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

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : RFP 905

WESTON SOLUTIONS, INC.

1090 King Georges Post Road

Suite 201

Edison, NJ - 08837-3703

Phone No: 732-585-4410

ORDER ID : Q1664

ATTENTION : Smita Sumbaly

Laboratory Certification ID # 20012

Table Of Contents for Q1664

1) SEMI-VOLATILE DATA 2
2) Signature Page 4
3) Case Narrative 5
4) Qualifier Page 8
5) Conformance/Non Conformance 9
6) QA Checklist 12
7) Chronicle 13
8) Hit Summary 15
9) QC Data Summary For SVOC-TCL BNA -20 17
- 9.1) Deuterated Monitoring Compound Summary 18
- 9.2) MS/MSD Summary 20
- 9.3) LCS/LCSD Summary 24
- 9.4) Method Blank Summary 26
- 9.5) GS/MS Tune Summary 27
- 9.6) Internal Standard Area and RT Summary 31

10) Sample Data 35
- 10.1) P001-BBDGA-001-01 36
- 10.2) P001-BBDGA-001-02 55
- 10.3) P001-BBDGA-001-02RE 74
- 10.4) P001-BBDGA-002-01 86
- 10.5) P001-BBDGA-002-01RE 105
- 10.6) P001-BBDGA-003-01 117
- 10.7) P001-BBDGA-004-01 136
- 10.8) P001-BBDGA-005-01 155
- 10.9) P001-BBDGA-005-01RE 174
- 10.10) P001-BBDGA-006-01 186
- 10.11) P001-BBDGA-006-01RE 205
- 10.12) P001-BBDGA-007-01 217
- 10.13) P001-BBDGA-008-01 237

11) Calibration Data Summary 256
- 11.1) Initial Calibration Data 3
  - 11.1.1) BF031025 257
  - 11.1.2) BM031325 665
- 11.2) Continued Calibration Data 1082
  - 11.2.1) BF142175.D 1082

11.2.2) BM049784.D 1139
12) QC Sample Data 1197
12.1) Tune Raw Data 1198
12.2) Method Blank Data 1214
12.3) LCS Data 1232
12.4) MS Data 1284
12.5) MSD Data 1337
13) Manual Integration 1390
14) Analytical Runlogs 1395
15) Percent Solid 1405
16) Extraction Logs 1407
16.1) PB167369.pdf 1407
16.2) PB167369IC.pdf 1409
17) Standard Prep Logs 1411
18) Shipping Document 1597
18.1) Chain Of Custody 1598
18.2) Lab Certificate 1607
18.3) Internal COC 1608

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

Cover Page

Order ID : Q1664

Project ID : RFP 905

Client : Weston Solutions, Inc.

Lab Sample Number	Client Sample Number
Q1664-01	P001-BBDGA-001-01
Q1664-02	P001-BBDGA-001-01MS
Q1664-03	P001-BBDGA-001-01MSD
Q1664-04	P001-BBDGA-001-01
Q1664-05	P001-BBDGA-001-01MS
Q1664-06	P001-BBDGA-001-01MSD
Q1664-07	P001-BBDGA-001-02
Q1664-08	P001-BBDGA-001-02
Q1664-09	P001-BBDGA-002-01
Q1664-10	P001-BBDGA-002-01
Q1664-11	P001-BBDGA-003-01
Q1664-12	P001-BBDGA-003-01
Q1664-13	P001-BBDGA-004-01
Q1664-14	P001-BBDGA-004-01
Q1664-15	P001-BBDGA-005-01
Q1664-16	P001-BBDGA-005-01
Q1664-17	P001-BBDGA-006-01
Q1664-18	P001-BBDGA-006-01
Q1664-19	P001-BBDGA-007-01
Q1664-20	P001-BBDGA-007-01
Q1664-21	P001-BBDGA-008-01
Q1664-22	P001-BBDGA-008-01

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 : **APPROVED** *By Nimisha Pandya, QA/QC Supervisor at 11:09 am, Apr 08, 2025*

Date: 4/4/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 905
Project # N/A
Chemtech Project # Q1664
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
22 Solid samples were received on 03/27/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Mercury, Metals ICP-TAL, METALS TAL+CN, PCB, Pesticide-TCL, SPLP BNA, SPLP Cyanide, SPLP Extraction, SPLP ICP Metals, SPLP Mercury, SPLP PCB, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

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-Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 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 PB167369BS [Terphenyl-d14 - 112%], marginally out of QC limits, therefore no corrective action was taken.
The Internal Standards Areas met the acceptable requirements except for P001-BBDGA-001-02, P001-BBDGA-002-01, P001-BBDGA-005-01 and P001-BBDGA-006-01, The sample was reanalyzed to confirm internal standard failure, both run were reported in Hard Copy.

The Retention Times were acceptable for all samples.

The MS {Q1664-02MS} with File ID: BM049797.D recoveries met the requirements for all compounds except for 2,2-oxybis(1-Chloropropane)[111%], 2-Chlorophenol[111%], 3+4-Methylphenols[117%], Atrazine[172%] and Benzaldehyde[111%], due to matrix interference therefore no corrective action is required .

The MSD {Q1664-03MSD} with File ID: BM049798.D recoveries met the acceptable requirements except for 2,2-oxybis(1-Chloropropane)[117%], 2,3,4,6-Tetrachlorophenol[117%], 2-Chlorophenol[111%], 3+4-Methylphenols[122%], 4-

Chlorophenyl-phenylether[111%], Atrazine[178%] and Benzaldehyde[117%], due to matrix interference, therefore no corrective action is required.

The RPD for {Q1664-03MSD} with File ID: BM049798.D met criteria except for 4-Chloroaniline[22%],due to matrix interference, no corrective action was taken.

The Blank Spike for {PB167369BS} with File ID: BF142177.D met requirements for all samples except for 2,4,5-Trichlorophenol[106%], 2,4-Dinitrotoluene[112%], 2,6-Dinitrotoluene[106%], 2-Chloronaphthalene[100%], 3,3-Dichlorobenzidine[19%], 4,6-Dinitro-2-methylphenol[118%], 4-Chlorophenyl-phenylether[106%], Acenaphthylene [106%], Anthracene[106%], Benzo(a)anthracene[106%], Benzo(a)pyrene[112%], Carbazole[100%], Chrysene[106%], Dimethylphthalate[100%], Hexachlorobenzene [106%], Hexachlorobutadiene[106%], Hexachlorocyclopentadiene [185%], Isophorone [100%], N-Nitrosodiphenylamine[100%], Pentachlorophenol[106%] and Pyrene[106%], The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BF031025.M) for 2,4-Dinitrophenol, this compound is passing on Linear Regression.

The % RSD is greater than 20% in the Initial Calibration (8270-BM031325.M) for 4-Nitroaniline, this compound is passing on Linear Regression, and 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol passing on Quadratic regression.

The Continuous Calibration File ID BF142175.D met the requirements except for Benzaldehyde, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BM049784.D met the requirements except for Terphenyl-d14, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:

Concentration of SOIL Sample:

Concentration ug/Kg,

$$\text{(dry weight basis)} = \frac{(Ax)\,(Is)\,(Vt)\,(DF)\,(GPC)}{(Ais)\,(\overline{RRF})\,(Vi)\,(Wt)\,(D)}$$

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

Where,
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
Vi = Volume of extract injected in microliters (uL)
Vt = Volume of concentrated extract in microliters (uL)
Wt = Weight of the original sample extracted in g
Df = Dilution factor

$\overline{\text{RRF}}$ = Mean Relative Response Factor determined from the initial calibration standard.
GPC = Vin = GPC factor (If no GPC is performed, GPC=1)
Vout = Volume of extract collected after GPC cleanup.

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 11:09 am, Apr 08, 2025

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

CHEMTECH PROJECT NUMBER: Q1664 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 (8270-BF031025.M) for 2,4-Dinitrophenol, this compound is passing on Linear Regression.			
	The % RSD is greater than 20% in the Initial Calibration (8270-BM031325.M) for 4-Nitroaniline, this compound is passing on Linear Regression, and 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol passing on Quadratic regression.			
	The Continuous Calibration File ID BF142175.D met the requirements except for Benzaldehyde, The associate samples have no positive hit for these compounds therefore no corrective action was taken.			
	The Continuous Calibration File ID BM049784.D met the requirements except for Terphenyl-d14, 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:		✓	
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 PB167369BS [Terphenyl-d14 - 112%], marginally out of QC limits, therefore no corrective action was taken.			

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

(CONTINUED)

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	

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

The MS {Q1664-02MS} with File ID: BM049797.D recoveries met the requirements for all compounds except for 2,2-oxybis(1-Chloropropane)[111%], 2-Chlorophenol[111%], 3+4-Methylphenols[117%], Atrazine[172%] and Benzaldehyde[111%], due to matrix interference therefore no corrective action is required .

The MSD {Q1664-03MSD} with File ID: BM049798.D recoveries met the acceptable requirements except for 2,2-oxybis(1-Chloropropane)[117%], 2,3,4,6-Tetrachlorophenol[117%], 2-Chlorophenol[111%], 3+4-Methylphenols[122%], 4-Chlorophenyl-phenylether[111%], Atrazine[178%] and Benzaldehyde[117%], due to matrix interference, therefore no corrective
action is required.

The Blank Spike for {PB167369BS} with File ID: BF142177.D met requirements for all samples except for 2,4,5-Trichlorophenol[106%], 2,4-Dinitrotoluene[112%], 2,6-Dinitrotoluene[106%], 2-Chloronaphthalene[100%], 3,3-Dichlorobenzidine[19%], 4,6-Dinitro-2-methylphenol[118%], 4-Chlorophenyl-phenylether[106%], Acenaphthylene [106%], Anthracene[106%], Benzo(a)anthracene[106%], Benzo(a)pyrene[112%], Carbazole[100%], Chrysene[106%], Dimethylphthalate[100%], Hexachlorobenzene [106%], Hexachlorobutadiene[106%], Hexachlorocyclopentadiene[185%], Isophorone[100%], N-Nitrosodiphenylamine[100%], Pentachlorophenol[106%] and Pyrene[106%], The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The RPD for {Q1664-03MSD} with File ID: BM049798.D met criteria except for 4-Chloroaniline[22%],due to matrix interference, no corrective action was taken.

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

Comments: The Internal Standards Areas met the acceptable requirements except for P001-BBDGA-001-02, P001-BBDGA-002-01, P001-BBDGA-005-01 and P001-BBDGA-006-01, The sample was reanalyzed to confirm internal standard failure, both run were reported in Hard Copy.

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:

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

NA NO YES

ADDITIONAL COMMENTS:

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 10:59 am, Apr 08, 2025

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1664

	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:** 04/04/2025

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

LAB CHRONICLE

OrderID:	Q1664	**OrderDate:**	3/27/2025 10:47:00 AM
Client:	Weston Solutions, Inc.	**Project:**	RFP 905
Contact:	Smita Sumbaly	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1664-01	**P001-BBDGA-001-01**	**SOIL**			**03/26/25**			**03/27/25**
			SVOC-TCL BNA -20	8270E		03/28/25	03/31/25	
Q1664-07	**P001-BBDGA-001-02**	**SOIL**			**03/26/25**			**03/27/25**
			SVOC-TCL BNA -20	8270E		03/28/25	03/31/25	
Q1664-07RE	**P001-BBDGA-001-02RE**	**SOIL**			**03/26/25**			**03/27/25**
			SVOC-TCL BNA -20	8270E		03/28/25	04/02/25	
Q1664-09	**P001-BBDGA-002-01**	**SOIL**			**03/26/25**			**03/27/25**
			SVOC-TCL BNA -20	8270E		03/28/25	03/31/25	
Q1664-09RE	**P001-BBDGA-002-01RE**	**SOIL**			**03/26/25**			**03/27/25**
			SVOC-TCL BNA -20	8270E		03/28/25	04/02/25	
Q1664-11	**P001-BBDGA-003-01**	**SOIL**			**03/26/25**			**03/27/25**
			SVOC-TCL BNA -20	8270E		03/28/25	03/31/25	
Q1664-13	**P001-BBDGA-004-01**	**SOIL**			**03/26/25**			**03/27/25**
			SVOC-TCL BNA -20	8270E		03/28/25	03/31/25	
Q1664-15	**P001-BBDGA-005-01**	**SOIL**			**03/26/25**			**03/27/25**
			SVOC-TCL BNA -20	8270E		03/28/25	03/31/25	
Q1664-15RE	**P001-BBDGA-005-01RE**	**SOIL**			**03/26/25**			**03/27/25**
			SVOC-TCL BNA -20	8270E		03/28/25	04/02/25	
Q1664-17	**P001-BBDGA-006-01**	**SOIL**			**03/26/25**			**03/27/25**
			SVOC-TCL BNA -20	8270E		03/28/25	03/31/25	

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

LAB CHRONICLE

Q1664-17RE	**P001-BBDGA-006-01RE**	**SOIL**			**03/26/25**			**03/27/25**
			SVOC-TCL BNA -20	8270E		03/28/25	04/02/25	
Q1664-19	**P001-BBDGA-007-01**	**SOIL**			**03/26/25**			**03/27/25**
			SVOC-TCL BNA -20	8270E		03/28/25	03/31/25	
Q1664-21	**P001-BBDGA-008-01**	**SOIL**			**03/26/25**			**03/27/25**
			SVOC-TCL BNA -20	8270E		03/28/25	03/31/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1664

Client: Weston Solutions, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**P001-BBDGA-001-01**								
Q1664-01	P001-BBDGA-001-01	SOIL	1-Heneicosanol	*	180.000	J	0	0	ug/Kg
Q1664-01	P001-BBDGA-001-01	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	420.000	AB	0	0	ug/Kg
Q1664-01	P001-BBDGA-001-01	SOIL	Benzophenone	*	180.000	J	0	0	ug/Kg
Q1664-01	P001-BBDGA-001-01	SOIL	Butane, 2-methoxy-2-methyl-	*	1,400.000	JB	0	0	ug/Kg
			Total Tics :		**2,180.00**				
			Total Concentration:		**2,180.00**				
Client ID :	**P001-BBDGA-001-02**								
Q1664-07	P001-BBDGA-001-02	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	320.000	AB	0	0	ug/Kg
Q1664-07	P001-BBDGA-001-02	SOIL	Benzophenone	*	160.000	J	0	0	ug/Kg
Q1664-07	P001-BBDGA-001-02	SOIL	Butane, 2-methoxy-2-methyl-	*	1,600.000	JB	0	0	ug/Kg
Q1664-07	P001-BBDGA-001-02	SOIL	n-Tetracosanol-1	*	150.000	J	0	0	ug/Kg
			Total Tics :		**2,230.00**				
			Total Concentration:		**2,230.00**				
Client ID :	**P001-BBDGA-002-01**								
Q1664-09	P001-BBDGA-002-01	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	200.000	AB	0	0	ug/Kg
Q1664-09	P001-BBDGA-002-01	SOIL	Benzophenone	*	130.000	J	0	0	ug/Kg
Q1664-09	P001-BBDGA-002-01	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	JB	0	0	ug/Kg
Q1664-09	P001-BBDGA-002-01	SOIL	Pentadecafluorooctanoic acid, oct	*	210.000	J	0	0	ug/Kg
			Total Tics :		**1,840.00**				
			Total Concentration:		**1,840.00**				
Client ID :	**P001-BBDGA-003-01**								
Q1664-11	P001-BBDGA-003-01	SOIL	1-Heneicosanol	*	160.000	J	0	0	ug/Kg
Q1664-11	P001-BBDGA-003-01	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	240.000	AB	0	0	ug/Kg
Q1664-11	P001-BBDGA-003-01	SOIL	Benzophenone	*	140.000	J	0	0	ug/Kg
Q1664-11	P001-BBDGA-003-01	SOIL	Butane, 2-methoxy-2-methyl-	*	1,700.000	JB	0	0	ug/Kg
			Total Tics :		**2,240.00**				
			Total Concentration:		**2,240.00**				
Client ID :	**P001-BBDGA-004-01**								
Q1664-13	P001-BBDGA-004-01	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	250.000	AB	0	0	ug/Kg
Q1664-13	P001-BBDGA-004-01	SOIL	Benzophenone	*	120.000	J	0	0	ug/Kg
Q1664-13	P001-BBDGA-004-01	SOIL	Butane, 2-methoxy-2-methyl-	*	1,400.000	JB	0	0	ug/Kg
Q1664-13	P001-BBDGA-004-01	SOIL	Pentadecafluorooctanoic acid, oct	*	190.000	J	0	0	ug/Kg
			Total Tics :		**1,960.00**				
			Total Concentration:		**1,960.00**				
Client ID :	**P001-BBDGA-005-01**								

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

Hit Summary Sheet
SW-846

SDG No.: Q1664

Client: Weston Solutions, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1664-15	P001-BBDGA-005-01	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	AB	0	0	ug/Kg
Q1664-15	P001-BBDGA-005-01	SOIL	Benzophenone	*	110.000	J	0	0	ug/Kg
Q1664-15	P001-BBDGA-005-01	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	JB	0	0	ug/Kg
Q1664-15	P001-BBDGA-005-01	SOIL	Docosyl pentafluoropropionate	*	140.000	J	0	0	ug/Kg
			Total Tics :		**1,770.00**				
			Total Concentration:		**1,770.00**				
Client ID :	**P001-BBDGA-006-01**								
Q1664-17	P001-BBDGA-006-01	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	240.000	AB	0	0	ug/Kg
Q1664-17	P001-BBDGA-006-01	SOIL	Benzophenone	*	120.000	J	0	0	ug/Kg
Q1664-17	P001-BBDGA-006-01	SOIL	Butane, 2-methoxy-2-methyl-	*	1,600.000	JB	0	0	ug/Kg
Q1664-17	P001-BBDGA-006-01	SOIL	Dichloroacetic acid, heptadecyl es	*	170.000	J	0	0	ug/Kg
			Total Tics :		**2,130.00**				
			Total Concentration:		**2,130.00**				
Client ID :	**P001-BBDGA-007-01**								
Q1664-19	P001-BBDGA-007-01	SOIL	1-Hexacosene	*	240.000	J	0	0	ug/Kg
Q1664-19	P001-BBDGA-007-01	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	320.000	AB	0	0	ug/Kg
Q1664-19	P001-BBDGA-007-01	SOIL	Benzophenone	*	340.000	J	0	0	ug/Kg
Q1664-19	P001-BBDGA-007-01	SOIL	Butane, 2-methoxy-2-methyl-	*	1,800.000	JB	0	0	ug/Kg
Q1664-19	P001-BBDGA-007-01	SOIL	n-Hexadecanoic acid	*	73.200	J	0	0	ug/Kg
			Total Tics :		**2,773.20**				
			Total Concentration:		**2,773.20**				
Client ID :	**P001-BBDGA-008-01**								
Q1664-21	P001-BBDGA-008-01	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	AB	0	0	ug/Kg
Q1664-21	P001-BBDGA-008-01	SOIL	Benzophenone	*	270.000	J	0	0	ug/Kg
Q1664-21	P001-BBDGA-008-01	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	JB	0	0	ug/Kg
Q1664-21	P001-BBDGA-008-01	SOIL	Heptadecyl heptafluorobutyrate	*	210.000	J	0	0	ug/Kg
			Total Tics :		**2,010.00**				
			Total Concentration:		**2,010.00**				

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167369BL	PB167369BL	2-Fluorophenol	150	142	94		18	112
		Phenol-d6	150	136	90		15	107
		Nitrobenzene-d5	100	96.2	96		18	107
		2-Fluorobiphenyl	100	96.1	96		20	109
		2,4,6-Tribromophenol	150	170	113		10	116
		Terphenyl-d14	100	103	103		10	105
PB167369BS	PB167369BS	2-Fluorophenol	150	143	96		18	112
		Phenol-d6	150	138	92		15	107
		Nitrobenzene-d5	100	97.1	97		18	107
		2-Fluorobiphenyl	100	98.9	99		20	109
		2,4,6-Tribromophenol	150	173	115		10	116
		Terphenyl-d14	100	112	112	*	10	105
Q1664-01	P001-BBDGA-001-01	2-Fluorophenol	150	94.0	63		18	112
		Phenol-d6	150	102	68		15	107
		Nitrobenzene-d5	100	78.8	79		18	107
		2-Fluorobiphenyl	100	85.3	85		20	109
		2,4,6-Tribromophenol	150	66.1	44		10	116
		Terphenyl-d14	100	64.4	64		10	105
Q1664-02MS	P001-BBDGA-001-01MS	2-Fluorophenol	150	98.7	66		18	112
		Phenol-d6	150	114	76		15	107
		Nitrobenzene-d5	100	79.6	80		18	107
		2-Fluorobiphenyl	100	76.9	77		20	109
		2,4,6-Tribromophenol	150	87.6	58		10	116
		Terphenyl-d14	100	79.0	79		10	105
Q1664-03MSD	P001-BBDGA-001-01MSD	2-Fluorophenol	150	102	68		18	112
		Phenol-d6	150	120	80		15	107
		Nitrobenzene-d5	100	79.7	80		18	107
		2-Fluorobiphenyl	100	76.3	76		20	109
		2,4,6-Tribromophenol	150	92.4	62		10	116
		Terphenyl-d14	100	82.9	83		10	105
Q1664-07	P001-BBDGA-001-02	2-Fluorophenol	150	102	68		18	112
		Phenol-d6	150	100	67		15	107
		Nitrobenzene-d5	100	75.7	76		18	107
		2-Fluorobiphenyl	100	84.3	84		20	109
		2,4,6-Tribromophenol	150	82.1	55		10	116
		Terphenyl-d14	100	57.8	58		10	105
Q1664-07RE	P001-BBDGA-001-02RE	2-Fluorophenol	150	113	75		18	112
		Phenol-d6	150	116	78		15	107
		Nitrobenzene-d5	100	78.6	79		18	107
		2-Fluorobiphenyl	100	77.1	77		20	109
		2,4,6-Tribromophenol	150	115	77		10	116
		Terphenyl-d14	100	84.0	84		10	105
Q1664-09	P001-BBDGA-002-01	2-Fluorophenol	150	95.4	64		18	112
		Phenol-d6	150	92.8	62		15	107
		Nitrobenzene-d5	100	65.8	66		18	107
		2-Fluorobiphenyl	100	72.3	72		20	109
		2,4,6-Tribromophenol	150	83.1	55		10	116
		Terphenyl-d14	100	54.5	55		10	105
Q1664-09RE	P001-BBDGA-002-01RE	2-Fluorophenol	150	100	67		18	112
		Phenol-d6	150	103	69		15	107
		Nitrobenzene-d5	100	68.1	68		18	107

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

Surrogate Summary

SW-846

SDG No.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q1664-09RE	P001-BBDGA-002-01RE	2-Fluorobiphenyl	100	64.7	65		20	109
		2,4,6-Tribromophenol	150	113	75		10	116
		Terphenyl-d14	100	71.7	72		10	105
Q1664-11	P001-BBDGA-003-01	2-Fluorophenol	150	113	75		18	112
		Phenol-d6	150	108	72		15	107
		Nitrobenzene-d5	100	78.0	78		18	107
		2-Fluorobiphenyl	100	84.1	84		20	109
		2,4,6-Tribromophenol	150	99.1	66		10	116
		Terphenyl-d14	100	67.7	68		10	105
Q1664-13	P001-BBDGA-004-01	2-Fluorophenol	150	113	75		18	112
		Phenol-d6	150	114	76		15	107
		Nitrobenzene-d5	100	73.9	74		18	107
		2-Fluorobiphenyl	100	86.6	87		20	109
		2,4,6-Tribromophenol	150	96.6	64		10	116
		Terphenyl-d14	100	67.6	68		10	105
Q1664-15	P001-BBDGA-005-01	2-Fluorophenol	150	95.6	64		18	112
		Phenol-d6	150	94.5	63		15	107
		Nitrobenzene-d5	100	67.6	68		18	107
		2-Fluorobiphenyl	100	76.0	76		20	109
		2,4,6-Tribromophenol	150	85.9	57		10	116
		Terphenyl-d14	100	55.2	55		10	105
Q1664-15RE	P001-BBDGA-005-01RE	2-Fluorophenol	150	103	69		18	112
		Phenol-d6	150	107	72		15	107
		Nitrobenzene-d5	100	71.2	71		18	107
		2-Fluorobiphenyl	100	68.6	69		20	109
		2,4,6-Tribromophenol	150	117	78		10	116
		Terphenyl-d14	100	78.1	78		10	105
Q1664-17	P001-BBDGA-006-01	2-Fluorophenol	150	110	73		18	112
		Phenol-d6	150	104	70		15	107
		Nitrobenzene-d5	100	77.2	77		18	107
		2-Fluorobiphenyl	100	84.3	84		20	109
		2,4,6-Tribromophenol	150	96.9	65		10	116
		Terphenyl-d14	100	63.4	63		10	105
Q1664-17RE	P001-BBDGA-006-01RE	2-Fluorophenol	150	120	80		18	112
		Phenol-d6	150	122	81		15	107
		Nitrobenzene-d5	100	81.8	82		18	107
		2-Fluorobiphenyl	100	78.6	79		20	109
		2,4,6-Tribromophenol	150	132	88		10	116
		Terphenyl-d14	100	85.4	85		10	105
Q1664-19	P001-BBDGA-007-01	2-Fluorophenol	150	134	89		18	112
		Phenol-d6	150	140	93		15	107
		Nitrobenzene-d5	100	98.0	98		18	107
		2-Fluorobiphenyl	100	99.7	100		20	109
		2,4,6-Tribromophenol	150	129	86		10	116
		Terphenyl-d14	100	72.9	73		10	105
Q1664-21	P001-BBDGA-008-01	2-Fluorophenol	150	101	67		18	112
		Phenol-d6	150	99.1	66		15	107
		Nitrobenzene-d5	100	72.0	72		18	107
		2-Fluorobiphenyl	100	78.3	78		20	109
		2,4,6-Tribromophenol	150	89.3	60		10	116
		Terphenyl-d14	100	57.9	58		10	105

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.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1664-02MS		**Client Sample ID: P001-BBDGA-001-01MS**						**DataFile: BM049797.D**			
Benzaldehyde	1800	0	2000	ug/Kg	111	*			10	86	
Phenol	1800	0	2000	ug/Kg	111				67	126	
bis(2-Chloroethyl)ether	1800	0	1900	ug/Kg	106				54	125	
2-Chlorophenol	1800	0	2000	ug/Kg	111	*			79	107	
2-Methylphenol	1800	0	2100	ug/Kg	117				66	122	
2,2-oxybis(1-Chloropropane)	1800	0	2000	ug/Kg	111	*			65	110	
Acetophenone	1800	0	1900	ug/Kg	106				75	111	
3+4-Methylphenols	1800	0	2100	ug/Kg	117	*			66	104	
N-Nitroso-di-n-propylamine	1800	0	2000	ug/Kg	111				59	119	
Hexachloroethane	1800	0	1900	ug/Kg	106				65	117	
Nitrobenzene	1800	0	1900	ug/Kg	106				70	119	
Isophorone	1800	0	2100	ug/Kg	117				76	122	
2-Nitrophenol	1800	0	2000	ug/Kg	111				54	145	
2,4-Dimethylphenol	1800	0	2200	ug/Kg	122				44	135	
bis(2-Chloroethoxy)methane	1800	0	1900	ug/Kg	106				68	112	
2,4-Dichlorophenol	1800	0	2000	ug/Kg	111				72	118	
Naphthalene	1800	0	1800	ug/Kg	100				72	110	
4-Chloroaniline	1800	0	600	ug/Kg	33				10	91	
Hexachlorobutadiene	1800	0	1900	ug/Kg	106				66	114	
Caprolactam	1800	0	2100	ug/Kg	117				51	134	
4-Chloro-3-methylphenol	1800	0	2000	ug/Kg	111				57	132	
2-Methylnaphthalene	1800	0	1700	ug/Kg	94				59	123	
Hexachlorocyclopentadiene	3600	0	5800	ug/Kg	161				10	175	
2,4,6-Trichlorophenol	1800	0	2000	ug/Kg	111				72	117	
2,4,5-Trichlorophenol	1800	0	2000	ug/Kg	111				72	117	
1,1-Biphenyl	1800	0	1900	ug/Kg	106				75	113	
2-Chloronaphthalene	1800	0	1900	ug/Kg	106				67	118	
2-Nitroaniline	1800	0	2100	ug/Kg	117				69	127	
Dimethylphthalate	1800	0	1900	ug/Kg	106				70	113	
Acenaphthylene	1800	0	2000	ug/Kg	111				79	118	
2,6-Dinitrotoluene	1800	0	2000	ug/Kg	111				70	125	
3-Nitroaniline	1800	0	1200	ug/Kg	67				30	99	
Acenaphthene	1800	0	1800	ug/Kg	100				70	121	
2,4-Dinitrophenol	3600	0	3400	ug/Kg	94				10	155	
4-Nitrophenol	3600	0	4500	ug/Kg	125				45	133	
Dibenzofuran	1800	0	1800	ug/Kg	100				72	110	
2,4-Dinitrotoluene	1800	0	2100	ug/Kg	117				55	128	
Diethylphthalate	1800	0	1900	ug/Kg	106				70	112	
4-Chlorophenyl-phenylether	1800	0	1900	ug/Kg	106				71	108	
Fluorene	1800	0	1900	ug/Kg	106				68	116	
4-Nitroaniline	1800	0	1700	ug/Kg	94				55	120	
4,6-Dinitro-2-methylphenol	1800	0	1900	ug/Kg	106				10	160	
N-Nitrosodiphenylamine	1800	0	1900	ug/Kg	106				73	118	
4-Bromophenyl-phenylether	1800	0	1900	ug/Kg	106				65	121	
Hexachlorobenzene	1800	0	1900	ug/Kg	106				67	118	
Atrazine	1800	0	3100	ug/Kg	172	*			79	127	

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.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	3600	0	4300	ug/Kg	119				47	128	
Phenanthrene	1800	0	2000	ug/Kg	111				52	128	
Anthracene	1800	0	2000	ug/Kg	111				62	124	
Carbazole	1800	0	2000	ug/Kg	111				59	119	
Di-n-butylphthalate	1800	0	2100	ug/Kg	117				69	118	
Fluoranthene	1800	0	2100	ug/Kg	117				44	125	
Pyrene	1800	0	1800	ug/Kg	100				26	142	
Butylbenzylphthalate	1800	0	2100	ug/Kg	117				64	126	
3,3-Dichlorobenzidine	1800	0	1200	ug/Kg	67				33	116	
Benzo(a)anthracene	1800	0	1900	ug/Kg	106				71	114	
Chrysene	1800	0	1900	ug/Kg	106				57	121	
bis(2-Ethylhexyl)phthalate	1800	0	2100	ug/Kg	117				42	169	
Di-n-octyl phthalate	1800	0	2200	ug/Kg	122				23	175	
Benzo(b)fluoranthene	1800	0	1900	ug/Kg	106				67	121	
Benzo(k)fluoranthene	1800	0	1900	ug/Kg	106				57	134	
Benzo(a)pyrene	1800	0	2100	ug/Kg	117				70	142	
Indeno(1,2,3-cd)pyrene	1800	0	2100	ug/Kg	117				40	129	
Dibenz(a,h)anthracene	1800	0	2100	ug/Kg	117				43	123	
Benzo(g,h,i)perylene	1800	0	2000	ug/Kg	111				24	125	
1,2,4,5-Tetrachlorobenzene	1800	0	1900	ug/Kg	106				69	124	
1,4-Dioxane	1800	0	1600	ug/Kg	89				46	112	
2,3,4,6-Tetrachlorophenol	1800	0	2000	ug/Kg	111				69	112	

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.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1664-03MSD		**Client Sample ID: P001-BBDGA-001-01MSD**						**DataFile: BM049798.D**			
Benzaldehyde	1800	0	2100	ug/Kg	117	*	5		10	86	20
Phenol	1800	0	2100	ug/Kg	117		5		67	126	20
bis(2-Chloroethyl)ether	1800	0	2000	ug/Kg	111		5		54	125	20
2-Chlorophenol	1800	0	2000	ug/Kg	111	*	0		79	107	20
2-Methylphenol	1800	0	2200	ug/Kg	122		4		66	122	20
2,2-oxybis(1-Chloropropane)	1800	0	2100	ug/Kg	117	*	5		65	110	20
Acetophenone	1800	0	1900	ug/Kg	106		0		75	111	20
3+4-Methylphenols	1800	0	2200	ug/Kg	122	*	4		66	104	20
N-Nitroso-di-n-propylamine	1800	0	2100	ug/Kg	117		5		59	119	20
Hexachloroethane	1800	0	1900	ug/Kg	106		0		65	117	20
Nitrobenzene	1800	0	1900	ug/Kg	106		0		70	119	20
Isophorone	1800	0	2200	ug/Kg	122		4		76	122	20
2-Nitrophenol	1800	0	2100	ug/Kg	117		5		54	145	20
2,4-Dimethylphenol	1800	0	2200	ug/Kg	122		0		44	135	20
bis(2-Chloroethoxy)methane	1800	0	1900	ug/Kg	106		0		68	112	20
2,4-Dichlorophenol	1800	0	2000	ug/Kg	111		0		72	118	20
Naphthalene	1800	0	1800	ug/Kg	100		0		72	110	20
4-Chloroaniline	1800	0	740	ug/Kg	41		22	*	10	91	20
Hexachlorobutadiene	1800	0	1800	ug/Kg	100		6		66	114	20
Caprolactam	1800	0	2300	ug/Kg	128		9		51	134	20
4-Chloro-3-methylphenol	1800	0	2100	ug/Kg	117		5		57	132	20
2-Methylnaphthalene	1800	0	1700	ug/Kg	94		0		59	123	20
Hexachlorocyclopentadiene	3600	0	5500	ug/Kg	153		5		10	175	20
2,4,6-Trichlorophenol	1800	0	2100	ug/Kg	117		5		72	117	20
2,4,5-Trichlorophenol	1800	0	2100	ug/Kg	117		5		72	117	20
1,1-Biphenyl	1800	0	1900	ug/Kg	106		0		75	113	20
2-Chloronaphthalene	1800	0	1900	ug/Kg	106		0		67	118	20
2-Nitroaniline	1800	0	2200	ug/Kg	122		4		69	127	20
Dimethylphthalate	1800	0	1900	ug/Kg	106		0		70	113	20
Acenaphthylene	1800	0	2100	ug/Kg	117		5		79	118	20
2,6-Dinitrotoluene	1800	0	2000	ug/Kg	111		0		70	125	20
3-Nitroaniline	1800	0	1300	ug/Kg	72		7		30	99	20
Acenaphthene	1800	0	1900	ug/Kg	106		6		70	121	20
2,4-Dinitrophenol	3600	0	3600	ug/Kg	100		6		10	155	20
4-Nitrophenol	3600	0	4700	ug/Kg	131		5		45	133	20
Dibenzofuran	1800	0	1800	ug/Kg	100		0		72	110	20
2,4-Dinitrotoluene	1800	0	2200	ug/Kg	122		4		55	128	20
Diethylphthalate	1800	0	2000	ug/Kg	111		5		70	112	20
4-Chlorophenyl-phenylether	1800	0	2000	ug/Kg	111	*	5		71	108	20
Fluorene	1800	0	2000	ug/Kg	111		5		68	116	20
4-Nitroaniline	1800	0	1800	ug/Kg	100		6		55	120	20
4,6-Dinitro-2-methylphenol	1800	0	1900	ug/Kg	106		0		10	160	20
N-Nitrosodiphenylamine	1800	0	1900	ug/Kg	106		0		73	118	20
4-Bromophenyl-phenylether	1800	0	2000	ug/Kg	111		5		65	121	20
Hexachlorobenzene	1800	0	2000	ug/Kg	111		5		67	118	20
Atrazine	1800	0	3200	ug/Kg	178	*	3		79	127	20

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.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3600	0	4500	ug/Kg	125		5		47	128	20
Phenanthrene	1800	0	2000	ug/Kg	111		0		52	128	20
Anthracene	1800	0	2000	ug/Kg	111		0		62	124	20
Carbazole	1800	0	2000	ug/Kg	111		0		59	119	20
Di-n-butylphthalate	1800	0	2100	ug/Kg	117		0		69	118	20
Fluoranthene	1800	0	2100	ug/Kg	117		0		44	125	20
Pyrene	1800	0	1900	ug/Kg	106		6		26	142	20
Butylbenzylphthalate	1800	0	2200	ug/Kg	122		4		64	126	20
3,3-Dichlorobenzidine	1800	0	1100	ug/Kg	61		9		33	116	20
Benzo(a)anthracene	1800	0	2000	ug/Kg	111		5		71	114	20
Chrysene	1800	0	1900	ug/Kg	106		0		57	121	20
bis(2-Ethylhexyl)phthalate	1800	0	2200	ug/Kg	122		4		42	169	20
Di-n-octyl phthalate	1800	0	2200	ug/Kg	122		0		23	175	20
Benzo(b)fluoranthene	1800	0	1900	ug/Kg	106		0		67	121	20
Benzo(k)fluoranthene	1800	0	2000	ug/Kg	111		5		57	134	20
Benzo(a)pyrene	1800	0	2100	ug/Kg	117		0		70	142	20
Indeno(1,2,3-cd)pyrene	1800	0	2100	ug/Kg	117		0		40	129	20
Dibenz(a,h)anthracene	1800	0	2100	ug/Kg	117		0		43	123	20
Benzo(g,h,i)perylene	1800	0	1900	ug/Kg	106		5		24	125	20
1,2,4,5-Tetrachlorobenzene	1800	0	1900	ug/Kg	106		0		69	124	20
1,4-Dioxane	1800	0	1600	ug/Kg	89		0		46	112	20
2,3,4,6-Tetrachlorophenol	1800	0	2100	ug/Kg	117	*	5		69	112	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: 8270E **DataFile:** BF142177.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167369BS	Benzaldehyde	1700	1600	ug/Kg	94				10	133	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	2-Methylphenol	1700	1700	ug/Kg	100				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1700	ug/Kg	100				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1700	ug/Kg	100				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1700	ug/Kg	100		*		59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	2200	ug/Kg	129				46	141	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				66	97	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	Naphthalene	1700	1600	ug/Kg	94				62	100	
	4-Chloroaniline	1700	320	ug/Kg	19				16	100	
	Hexachlorobutadiene	1700	1800	ug/Kg	106		*		53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1700	ug/Kg	100				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	6100	ug/Kg	185		*		45	165	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1800	ug/Kg	106		*		61	98	
	1,1-Biphenyl	1700	1700	ug/Kg	100				57	103	
	2-Chloronaphthalene	1700	1700	ug/Kg	100		*		58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1700	ug/Kg	100		*		61	99	
	Acenaphthylene	1700	1800	ug/Kg	106		*		63	101	
	2,6-Dinitrotoluene	1700	1800	ug/Kg	106		*		61	104	
	3-Nitroaniline	1700	480	ug/Kg	28				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				37	128	
	4-Nitrophenol	3300	3500	ug/Kg	106				48	119	
	Dibenzofuran	1700	1600	ug/Kg	94				63	99	
	2,4-Dinitrotoluene	1700	1900	ug/Kg	112		*		60	106	
	Diethylphthalate	1700	1700	ug/Kg	100				60	101	
	4-Chlorophenyl-phenylether	1700	1800	ug/Kg	106		*		58	98	
	Fluorene	1700	1700	ug/Kg	100				61	101	
	4-Nitroaniline	1700	1700	ug/Kg	100				64	103	
	4,6-Dinitro-2-methylphenol	1700	2000	ug/Kg	118		*		76	113	
	N-Nitrosodiphenylamine	1700	1700	ug/Kg	100		*		71	99	
	4-Bromophenyl-phenylether	1700	1700	ug/Kg	100				66	102	

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.: Q1664

Client: Weston Solutions, Inc.

Analytical Method: 8270E **DataFile:** BF142177.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167369BS	Hexachlorobenzene	1700	1800	ug/Kg	106		*		64	98	
	Atrazine	1700	2100	ug/Kg	124				47	152	
	Pentachlorophenol	3300	3500	ug/Kg	106		*		67	105	
	Phenanthrene	1700	1700	ug/Kg	100				59	103	
	Anthracene	1700	1800	ug/Kg	106		*		61	105	
	Carbazole	1700	1700	ug/Kg	100		*		61	99	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				58	104	
	Fluoranthene	1700	1700	ug/Kg	100				57	107	
	Pyrene	1700	1800	ug/Kg	106		*		59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	320	ug/Kg	19		*		42	91	
	Benzo(a)anthracene	1700	1800	ug/Kg	106		*		60	102	
	Chrysene	1700	1800	ug/Kg	106		*		59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1900	ug/Kg	112		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1700	ug/Kg	100				53	101	
	1,4-Dioxane	1700	1400	ug/Kg	82				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				59	108	

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167369BL

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

Lab File ID: BF142176.D Lab Sample ID: PB167369BL

Instrument ID: BNA_F Date Extracted: 03/28/2025

Matrix: (soil/water) SOIL Date Analyzed: 03/31/2025

Level: (low/med) LOW Time Analyzed: 12:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167369BS	PB167369BS	BF142177.D	03/31/2025
P001-BBDGA-002-01	Q1664-09	BF142182.D	03/31/2025
P001-BBDGA-003-01	Q1664-11	BF142184.D	03/31/2025
P001-BBDGA-001-01	Q1664-01	BF142188.D	03/31/2025
P001-BBDGA-001-02	Q1664-07	BF142191.D	03/31/2025
P001-BBDGA-004-01	Q1664-13	BF142185.D	03/31/2025
P001-BBDGA-006-01	Q1664-17	BF142186.D	03/31/2025
P001-BBDGA-008-01	Q1664-21	BF142187.D	03/31/2025
P001-BBDGA-005-01	Q1664-15	BF142189.D	03/31/2025
P001-BBDGA-007-01	Q1664-19	BF142190.D	03/31/2025
P001-BBDGA-001-01MS	Q1664-02MS	BM049797.D	04/02/2025
P001-BBDGA-001-01MSD	Q1664-03MSD	BM049798.D	04/02/2025

COMMENTS:

Form IV SV

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM SAS No.: Q1664 SDG NO.: Q1664

Lab File ID: BF141896.D DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.1
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	32.0
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.8
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	6.7
275	10.0 - 60.0% of mass 198	31.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	19.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (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
SSTDICC2.5	SSTDICC2.5	BF141897.D	03/10/2025	11:01
SSTDICC005	SSTDICC005	BF141898.D	03/10/2025	11:30
SSTDICC010	SSTDICC010	BF141899.D	03/10/2025	12:00
SSTDICC020	SSTDICC020	BF141900.D	03/10/2025	12:29
SSTDICCC040	SSTDICCC040	BF141901.D	03/10/2025	12:58
SSTDICC060	SSTDICC060	BF141903.D	03/10/2025	13:57
SSTDICC080	SSTDICC080	BF141904.D	03/10/2025	14:27
SSTDICC050	SSTDICC050	BF141905.D	03/10/2025	15:20

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: ROYF02

Lab Code: CHEM SAS No.: Q1664 SDG NO.: Q1664

Lab File ID: BF142174.D DFTPP Injection Date: 03/31/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.4
68	Less than 2.0% of mass 69	0.4 (1.8) 1
69	Mass 69 relative abundance	30.0
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.4
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	31.5
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	19.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142175.D	03/31/2025	12:22
PB167369BL	PB167369BL	BF142176.D	03/31/2025	12:52
PB167369BS	PB167369BS	BF142177.D	03/31/2025	13:22
P001-BBDGA-002-01	Q1664-09	BF142182.D	03/31/2025	15:58
P001-BBDGA-003-01	Q1664-11	BF142184.D	03/31/2025	16:58
P001-BBDGA-004-01	Q1664-13	BF142185.D	03/31/2025	17:27
P001-BBDGA-006-01	Q1664-17	BF142186.D	03/31/2025	17:57
P001-BBDGA-008-01	Q1664-21	BF142187.D	03/31/2025	18:27
P001-BBDGA-001-01	Q1664-01	BF142188.D	03/31/2025	18:57
P001-BBDGA-005-01	Q1664-15	BF142189.D	03/31/2025	19:26
P001-BBDGA-007-01	Q1664-19	BF142190.D	03/31/2025	19:56
P001-BBDGA-001-02	Q1664-07	BF142191.D	03/31/2025	20:26

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: ROYF02

Lab Code: CHEM SAS No.: Q1664 SDG NO.: Q1664

Lab File ID: BM049705.D DFTPP Injection Date: 03/13/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.2
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.3
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	40.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	10.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	12.4 (19.4) 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	BM049706.D	03/13/2025	09:02
SSTDICC005	SSTDICC005	BM049707.D	03/13/2025	09:42
SSTDICC010	SSTDICC010	BM049708.D	03/13/2025	10:21
SSTDICC020	SSTDICC020	BM049709.D	03/13/2025	11:00
SSTDICCC040	SSTDICCC040	BM049710.D	03/13/2025	11:39
SSTDICC050	SSTDICC050	BM049711.D	03/13/2025	12:19
SSTDICC060	SSTDICC060	BM049712.D	03/13/2025	12:58
SSTDICC080	SSTDICC080	BM049713.D	03/13/2025	13:37

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: ROYF02

Lab Code: CHEM SAS No.: Q1664 SDG NO.: Q1664

Lab File ID: BM049783.D DFTPP Injection Date: 04/02/2025

Instrument ID: BNA_M DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.3
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	32.4
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	37.9
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	6.9
275	10.0 - 60.0% of mass 198	25.3
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	11
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	13.1 (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	BM049784.D	04/02/2025	10:46
P001-BBDGA-002-01RE	Q1664-09RE	BM049793.D	04/02/2025	16:43
P001-BBDGA-006-01RE	Q1664-17RE	BM049794.D	04/02/2025	17:22
P001-BBDGA-005-01RE	Q1664-15RE	BM049795.D	04/02/2025	18:00
P001-BBDGA-001-02RE	Q1664-07RE	BM049796.D	04/02/2025	18:39
P001-BBDGA-001-01MS	Q1664-02MS	BM049797.D	04/02/2025	19:18
P001-BBDGA-001-01MSD	Q1664-03MSD	BM049798.D	04/02/2025	19:57

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.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/31/2025

Lab File ID: BF142175.D Time Analyzed: 12:22

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	153678	6.869	590359	8.15	382940	9.91
	UPPER LIMIT	307356	7.369	1180720	8.651	765880	10.41
	LOWER LIMIT	76839	6.369	295180	7.651	191470	9.41
	EPA SAMPLE NO.						
01	PB167369BL	118498	6.86	472340	8.15	277856	9.90
02	PB167369BS	120659	6.87	484067	8.15	285734	9.90
03	P001-BBDGA-001-01	110599	6.86	419746	8.15	224376	9.90
04	P001-BBDGA-001-02	107368	6.86	406080	8.15	205334	9.90
05	P001-BBDGA-002-01	101697	6.86	394826	8.15	204068	9.90
06	P001-BBDGA-003-01	105610	6.86	411261	8.15	218626	9.90
07	P001-BBDGA-004-01	115530	6.86	474582	8.15	241354	9.90
08	P001-BBDGA-005-01	106775	6.86	409581	8.15	207976	9.90
09	P001-BBDGA-006-01	105523	6.86	403592	8.15	210130	9.90
10	P001-BBDGA-007-01	123407	6.86	471110	8.15	230557	9.90
11	P001-BBDGA-008-01	108249	6.86	412298	8.15	217215	9.90

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.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/31/2025

Lab File ID: BF142175.D Time Analyzed: 12:22

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	658962	11.392	402422	14.039	395762	15.51
	UPPER LIMIT	1317920	11.892	804844	14.539	791524	16.01
	LOWER LIMIT	329481	10.892	201211	13.539	197881	15.01
	EPA SAMPLE NO.						
01	PB167369BL	534727	11.39	378101	14.03	303471	15.51
02	PB167369BS	517636	11.39	319787	14.04	347760	15.51
03	P001-BBDGA-001-01	340268	11.39	279969	14.03	334755	15.51
04	P001-BBDGA-001-02	292774 *	11.39	246157	14.03	308484	15.51
05	P001-BBDGA-002-01	307039 *	11.39	235202	14.03	291072	15.51
06	P001-BBDGA-003-01	339834	11.39	255104	14.03	303171	15.51
07	P001-BBDGA-004-01	374144	11.39	266268	14.03	317833	15.51
08	P001-BBDGA-005-01	314225 *	11.39	257304	14.03	316531	15.50
09	P001-BBDGA-006-01	323826 *	11.39	248316	14.03	304388	15.51
10	P001-BBDGA-007-01	352364	11.39	257348	14.03	307223	15.51
11	P001-BBDGA-008-01	330228	11.39	261109	14.03	317304	15.51

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.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/02/2025

Lab File ID: BM049784.D Time Analyzed: 10:46

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	413916	7.792	1531700	10.59	997714	14.43
	UPPER LIMIT	827832	8.292	3063400	11.086	1995430	14.933
	LOWER LIMIT	206958	7.292	765850	10.086	498857	13.933
	EPA SAMPLE NO.						
01	P001-BBDGA-001-01MS	289891	7.79	1002530	10.58	624668	14.43
02	P001-BBDGA-001-01MSD	300045	7.79	1080750	10.58	695223	14.43
03	P001-BBDGA-001-02RE	265752	7.79	914362	10.58	564453	14.43
04	P001-BBDGA-002-01RE	264655	7.79	911013	10.58	584281	14.43
05	P001-BBDGA-005-01RE	265150	7.79	907664	10.58	583290	14.43
06	P001-BBDGA-006-01RE	265201	7.79	906107	10.58	569854	14.43

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.: Q1664 SAS No.: Q1664 SDG NO.: Q1664

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/02/2025

Lab File ID: BM049784.D Time Analyzed: 10:46

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	1826070	17.174	1415650	21.403	1117040	24.403
	UPPER LIMIT	3652140	17.674	2831300	21.903	2234080	24.903
	LOWER LIMIT	913035	16.674	707825	20.903	558520	23.903
	EPA SAMPLE NO.						
01	P001-BBDGA-001-01MS	1190360	17.17	1305130	21.40	1260590	24.40
02	P001-BBDGA-001-01MSD	1362600	17.17	1430630	21.40	1371220	24.40
03	P001-BBDGA-001-02RE	1104040	17.17	1170670	21.40	1255250	24.40
04	P001-BBDGA-002-01RE	1161740	17.17	1251610	21.40	1282230	24.40
05	P001-BBDGA-005-01RE	1154410	17.17	1240640	21.40	1248570	24.40
06	P001-BBDGA-006-01RE	1129280	17.17	1215930	21.40	1241510	24.40

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

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

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

SAMPLE DATA

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142188.D	1	03/28/25 09:40	03/31/25 18:57	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.0	U	24.0	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.4	U	26.4	180	ug/Kg
95-57-8	2-Chlorophenol	26.5	U	26.5	180	ug/Kg
95-48-7	2-Methylphenol	32.5	U	32.5	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.8	U	40.8	180	ug/Kg
98-86-2	Acetophenone	32.1	U	32.1	180	ug/Kg
65794-96-9	3+4-Methylphenols	44.7	U	44.7	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.5	U	51.5	87.0	ug/Kg
67-72-1	Hexachloroethane	19.1	U	19.1	180	ug/Kg
98-95-3	Nitrobenzene	19.9	U	19.9	180	ug/Kg
78-59-1	Isophorone	35.7	UQ	35.7	180	ug/Kg
88-75-5	2-Nitrophenol	63.3	U	63.3	180	ug/Kg
105-67-9	2,4-Dimethylphenol	70.5	U	70.5	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.5	U	33.5	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.8	U	30.8	180	ug/Kg
91-20-3	Naphthalene	24.7	U	24.7	180	ug/Kg
106-47-8	4-Chloroaniline	38.5	U	38.5	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.5	UQ	27.5	180	ug/Kg
105-60-2	Caprolactam	56.7	U	56.7	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.2	U	31.2	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.8	U	27.8	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	UQ	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.5	U	21.5	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.6	UQ	31.6	180	ug/Kg
92-52-4	1,1-Biphenyl	23.7	U	23.7	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.5	UQ	24.5	180	ug/Kg
88-74-4	2-Nitroaniline	52.3	U	52.3	180	ug/Kg
131-11-3	Dimethylphthalate	29.5	UQ	29.5	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142188.D	1	03/28/25 09:40	03/31/25 18:57	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.4	UQ	31.4	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.5	UQ	36.5	180	ug/Kg
99-09-2	3-Nitroaniline	50.0	U	50.0	180	ug/Kg
83-32-9	Acenaphthene	23.2	U	23.2	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.7	U	24.7	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.5	UQ	54.5	180	ug/Kg
84-66-2	Diethylphthalate	30.8	U	30.8	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.0	UQ	29.0	180	ug/Kg
86-73-7	Fluorene	27.5	U	27.5	180	ug/Kg
100-01-6	4-Nitroaniline	69.8	U	69.8	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	UQ	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.8	UQ	35.8	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.2	U	30.2	180	ug/Kg
118-74-1	Hexachlorobenzene	27.5	UQ	27.5	180	ug/Kg
1912-24-9	Atrazine	37.0	U	37.0	180	ug/Kg
87-86-5	Pentachlorophenol	55.8	UQ	55.8	360	ug/Kg
85-01-8	Phenanthrene	22.7	U	22.7	180	ug/Kg
120-12-7	Anthracene	36.2	UQ	36.2	180	ug/Kg
86-74-8	Carbazole	33.9	UQ	33.9	180	ug/Kg
84-74-2	Di-n-butylphthalate	52.1	U	52.1	180	ug/Kg
206-44-0	Fluoranthene	32.6	U	32.6	180	ug/Kg
129-00-0	Pyrene	39.2	UQ	39.2	180	ug/Kg
85-68-7	Butylbenzylphthalate	77.6	U	77.6	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.9	UQ	39.9	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.0	UQ	25.0	180	ug/Kg
218-01-9	Chrysene	21.6	UQ	21.6	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.4	U	64.4	180	ug/Kg
117-84-0	Di-n-octyl phthalate	94.4	U	94.4	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.7	U	20.7	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142188.D	1	03/28/25 09:40	03/31/25 18:57	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.4	U	24.4	180	ug/Kg
50-32-8	Benzo(a)pyrene	32.1	UQ	32.1	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.6	U	31.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.8	U	29.8	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.9	U	27.9	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.8	U	27.8	180	ug/Kg
123-91-1	1,4-Dioxane	49.2	U	49.2	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.8	U	29.8	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	94.0		18 - 112	63%	SPK: 150
13127-88-3	Phenol-d6	102		15 - 107	68%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.8		18 - 107	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.3		20 - 109	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	66.1		10 - 116	44%	SPK: 150
1718-51-0	Terphenyl-d14	64.4		10 - 105	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	111000	6.863			
1146-65-2	Naphthalene-d8	420000	8.145			
15067-26-2	Acenaphthene-d10	224000	9.904			
1517-22-2	Phenanthrene-d10	340000	11.392			
1719-03-5	Chrysene-d12	280000	14.033			
1520-96-3	Perylene-d12	335000	15.51			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1400	JB		2.13	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	420	AB		5.08	ug/Kg
000119-61-9	Benzophenone	180	J		10.6	ug/Kg
015594-90-8	1-Heneicosanol	180	J		13.9	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142188.D	1	03/28/25 09:40	03/31/25 18:57	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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_F\Data\BF033125\
Data File : BF142188.D
Acq On : 31 Mar 2025 18:57
Operator : RC/JU
Sample : Q1664-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-01

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

Quant Time: Mar 31 19:33:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	110599	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	419746	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	224376	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	340268m	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	279969	20.000	ng	0.00
86) Perylene-d12	15.510	264	334755	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	622677	93.963	ng	-0.01
7) Phenol-d6	6.487	99	858500	101.749	ng	-0.02
23) Nitrobenzene-d5	7.428	82	588084	78.845	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	188057	66.066	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1258269	85.285	ng	-0.02
79) Terphenyl-d14	12.974	244	1218849	64.365	ng	-0.01
Target Compounds						Qvalue

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

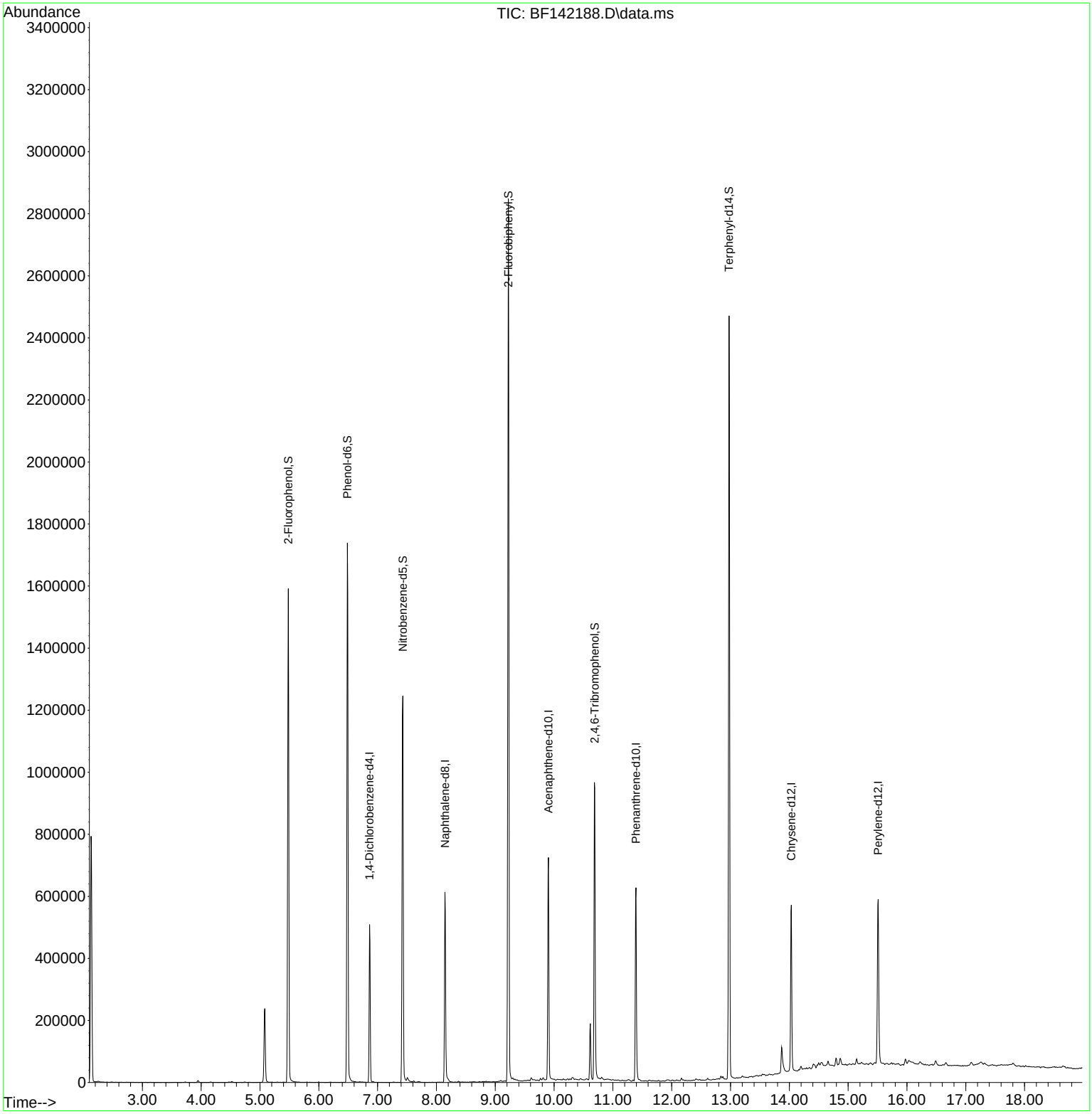
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142188.D
Acq On : 31 Mar 2025 18:57
Operator : RC/JU
Sample : Q1664-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

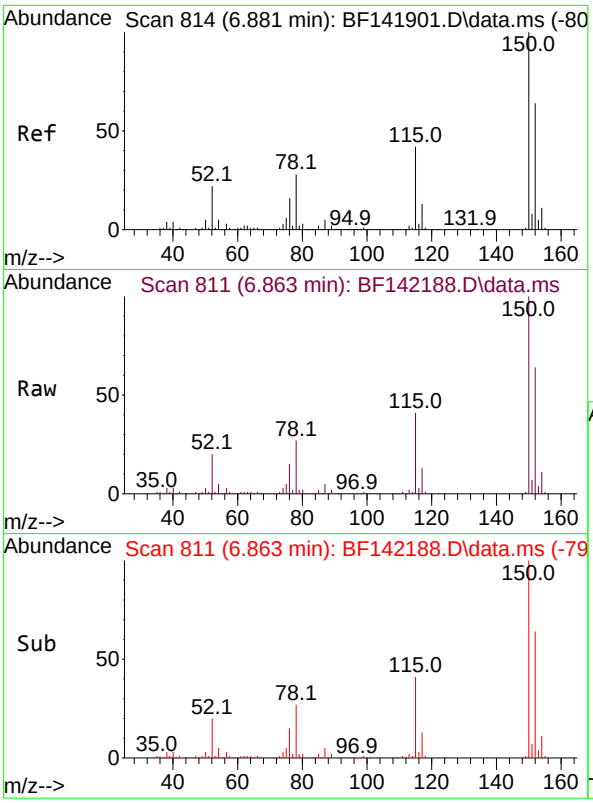
Quant Time: Mar 31 19:33:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-01

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

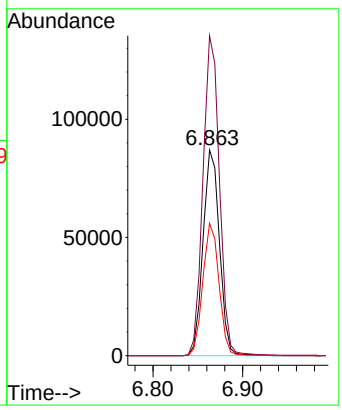




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142188.D
Acq: 31 Mar 2025 18:57

Tgt Ion:152 Resp: 11059

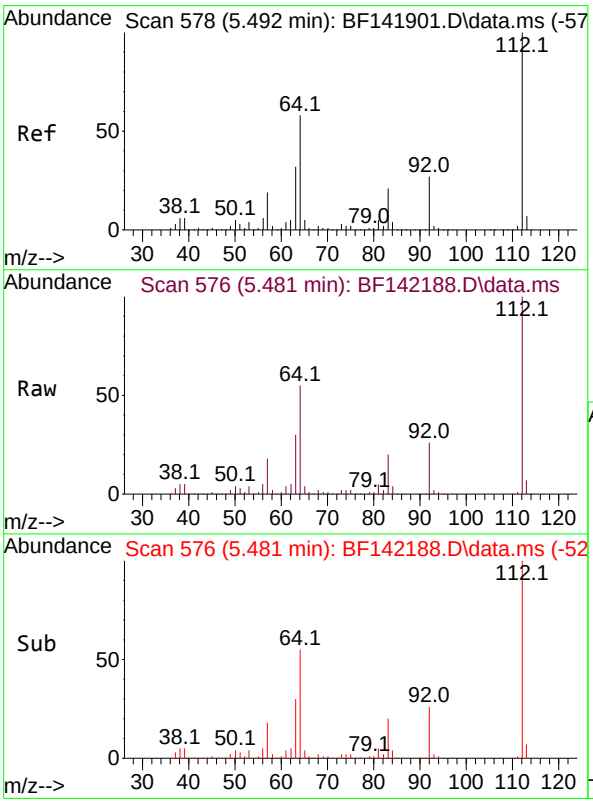
Ion	Ratio	Lower	Upper
152	100		
150	155.5	127.4	191.2
115	64.3	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-01

Manual Integrations
APPROVED

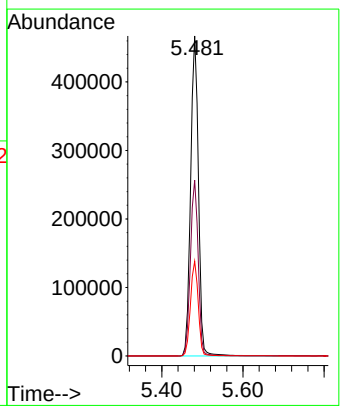
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

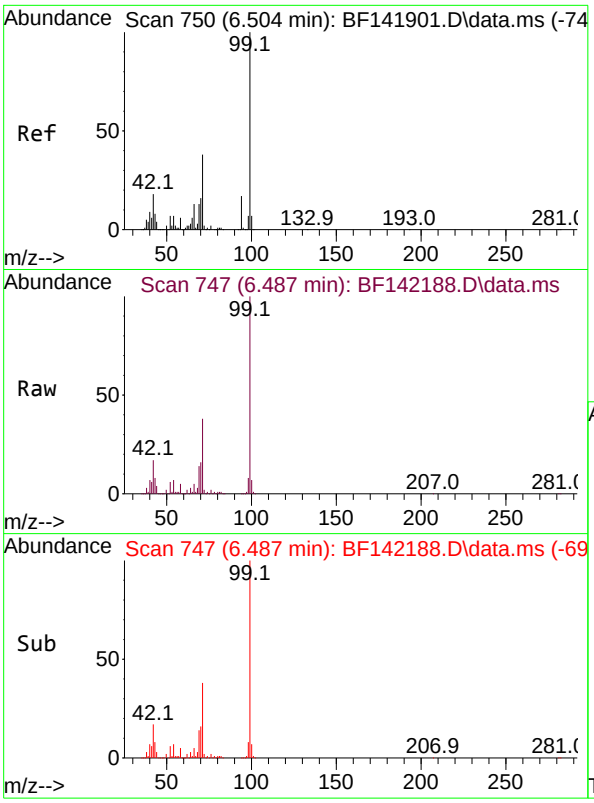


#5
2-Fluorophenol
Concen: 93.963 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142188.D
Acq: 31 Mar 2025 18:57

Tgt Ion:112 Resp: 622677

Ion	Ratio	Lower	Upper
112	100		
64	55.0	46.5	69.7
63	29.6	25.4	38.2

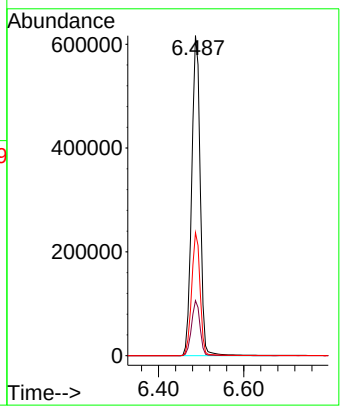




#7
Phenol-d6
Concen: 101.749 ng
RT: 6.487 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142188.D
Acq: 31 Mar 2025 18:57

Tgt Ion: 99 Resp: 85850

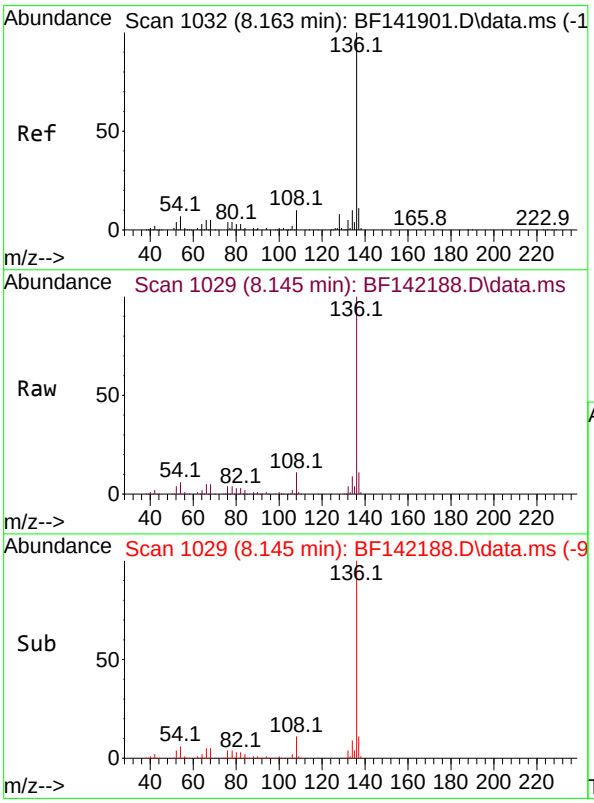
Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.6	21.8
71	38.5	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-01

Manual Integrations
APPROVED

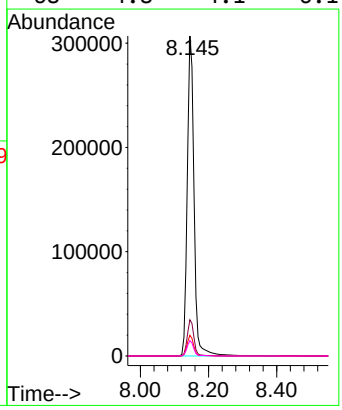
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

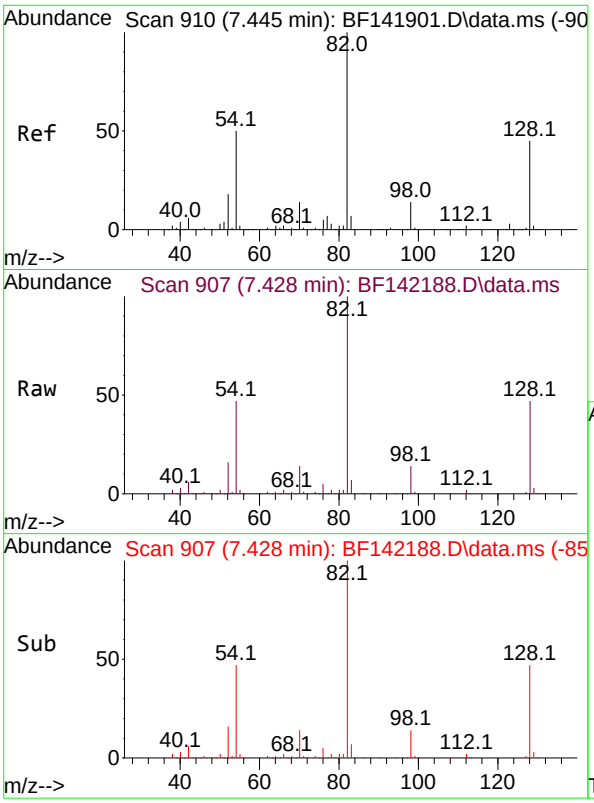


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142188.D
Acq: 31 Mar 2025 18:57

Tgt Ion:136 Resp: 419746

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	6.5	5.8	8.8
68	4.8	4.1	6.1

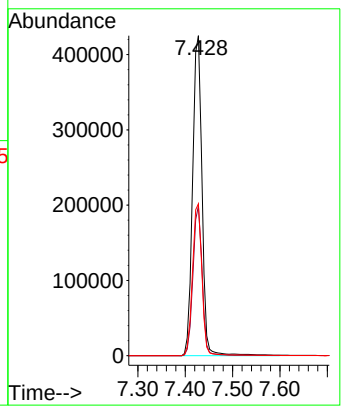




#23
Nitrobenzene-d5
Concen: 78.845 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF142188.D
Acq: 31 Mar 2025 18:57

Tgt Ion: 82 Resp: 58808

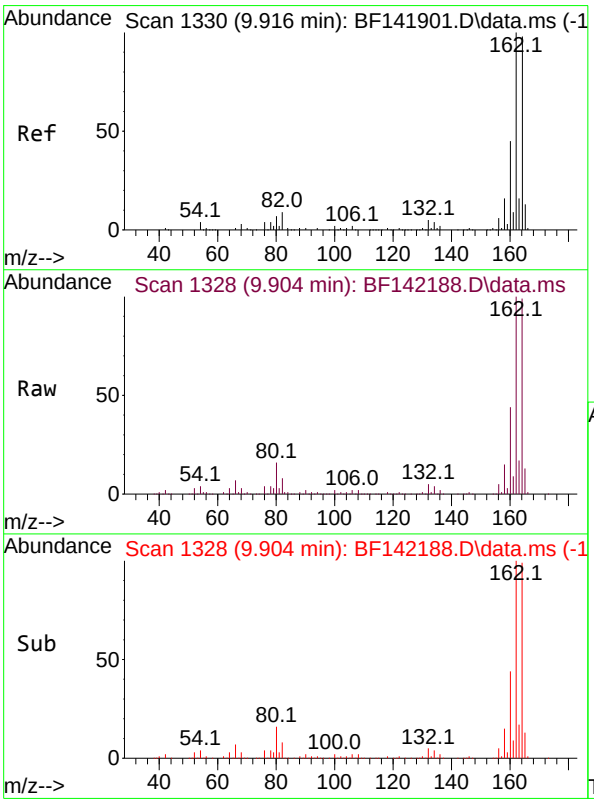
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.0	54.0
54	47.4	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-01

Manual Integrations
APPROVED

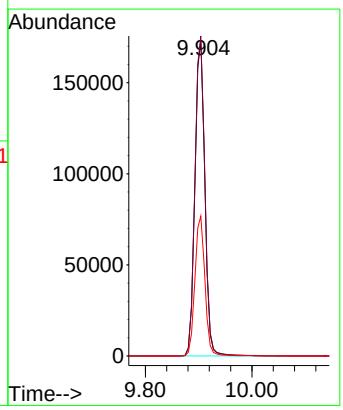
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

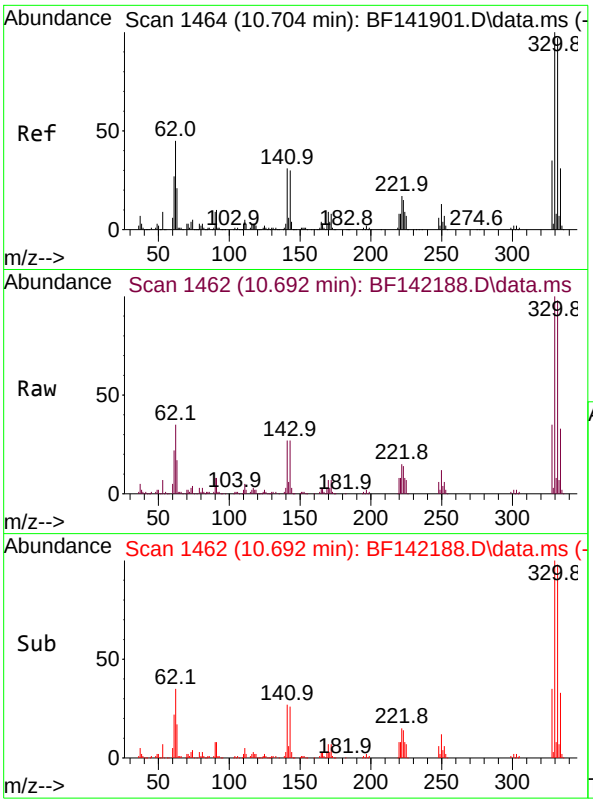


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142188.D
Acq: 31 Mar 2025 18:57

Tgt Ion:164 Resp: 224376

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.8	122.6
160	44.2	36.7	55.1





#42
2,4,6-Tribromophenol
Concen: 66.066 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142188.D
Acq: 31 Mar 2025 18:57

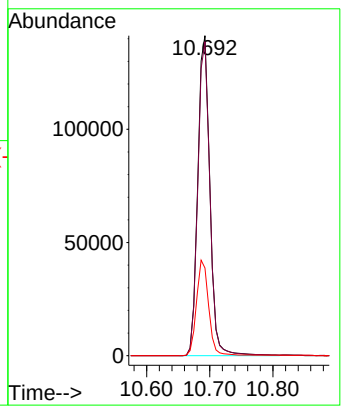
Tgt Ion:330 Resp: 18805

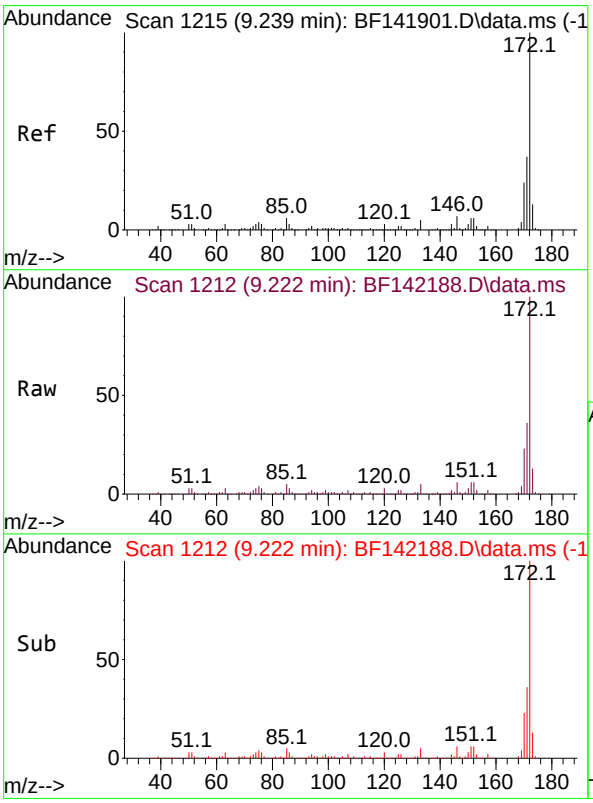
Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.6	116.4
141	30.2	24.7	37.1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-01

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

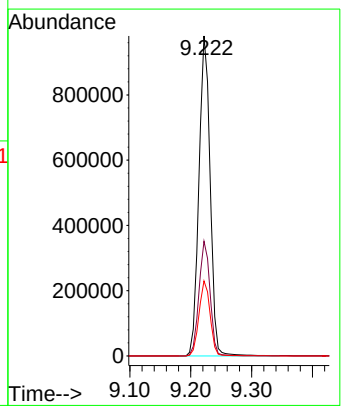


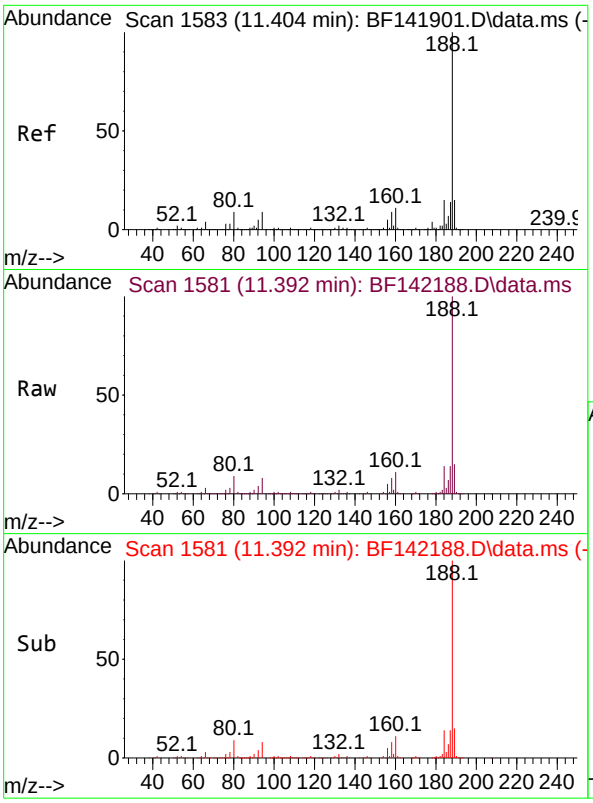


#45
2-Fluorobiphenyl
Concen: 85.285 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF142188.D
Acq: 31 Mar 2025 18:57

Tgt Ion:172 Resp: 1258269

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.3	43.9
170	23.4	19.4	29.0

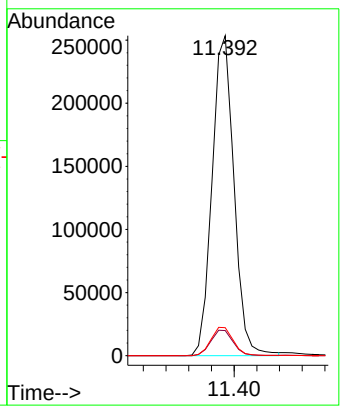




#64
Phenanthrene-d10
Concen: 20.000 ng m
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142188.D
Acq: 31 Mar 2025 18:57

Tgt Ion:188 Resp: 34026

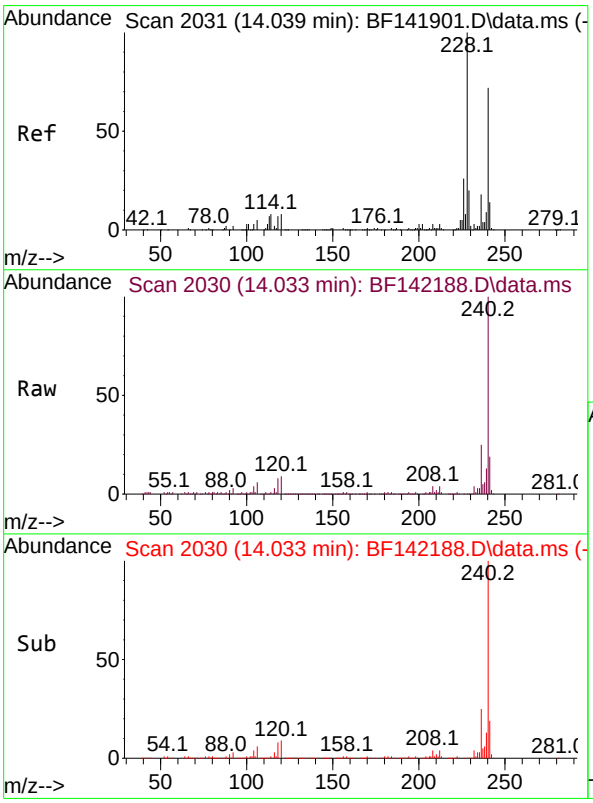
Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.8	10.2
80	8.8	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-01

Manual Integrations
APPROVED

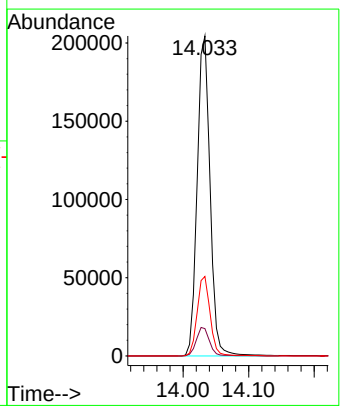
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

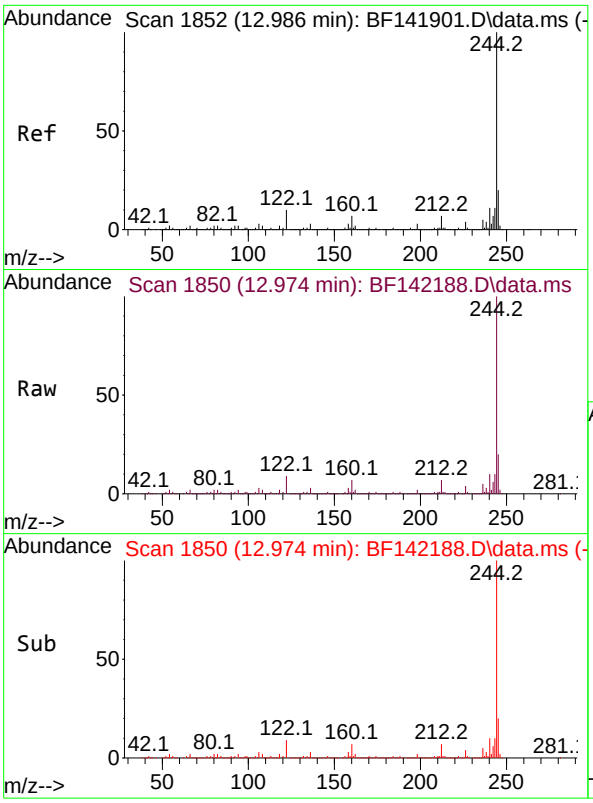


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142188.D
Acq: 31 Mar 2025 18:57

Tgt Ion:240 Resp: 279969

Ion	Ratio	Lower	Upper
240	100		
120	8.6	8.4	12.6
236	24.9	20.5	30.7

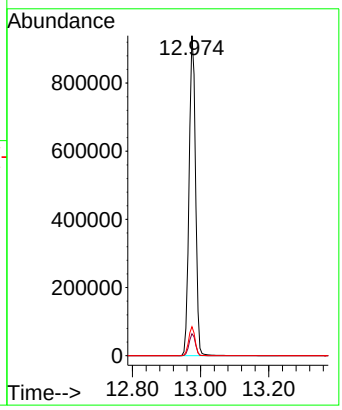




#79
Terphenyl-d14
Concen: 64.365 ng
RT: 12.974 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142188.D
Acq: 31 Mar 2025 18:57

Tgt Ion:244 Resp: 121884

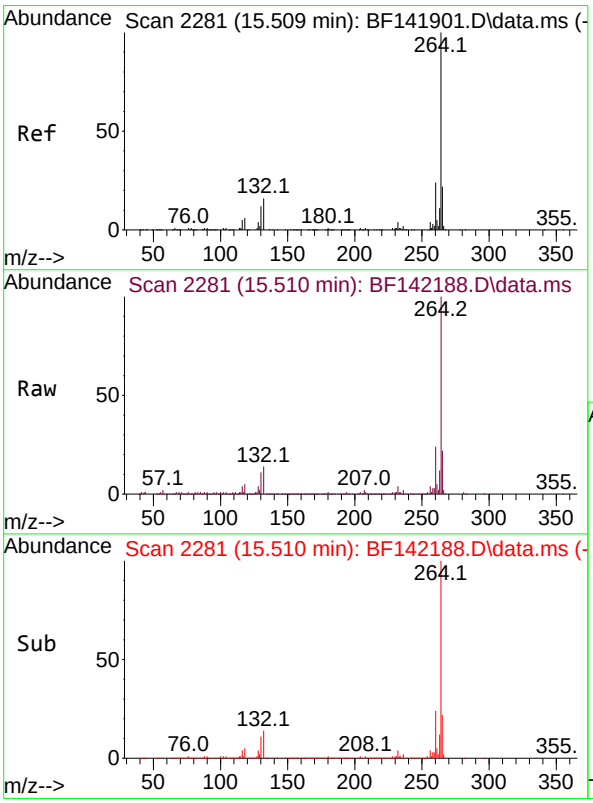
Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	9.0	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-01

Manual Integrations
APPROVED

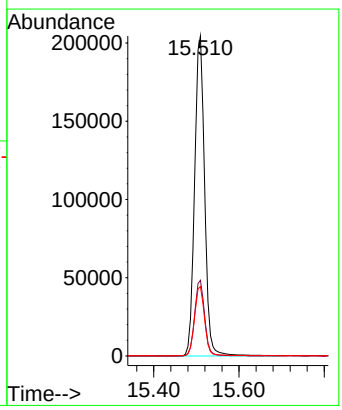
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142188.D
Acq: 31 Mar 2025 18:57

Tgt Ion:264 Resp: 334755

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	21.7	17.5	26.3



Sample Results: **BF142188.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142188.D
Acq On : 31 Mar 2025 18:57
Operator : RC/JU
Sample : Q1664-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142188.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	6	17	rVB	791070	1199888	33.14%	5.656%
2	5.081	498	508	521	rBV	238004	372311	10.28%	1.755%
3	5.481	570	576	596	rBV	1591253	2114827	58.42%	9.969%
4	6.487	741	747	763	rBV	1739003	2420331	66.85%	11.410%
5	6.863	806	811	819	rBV	508551	637067	17.60%	3.003%
6	7.428	901	907	917	rBV	1245907	1693286	46.77%	7.982%
7	8.145	1024	1029	1053	rVB	613338	831418	22.97%	3.919%
8	9.222	1206	1212	1222	rBV	2844764	3620304	100.00%	17.066%
9	9.904	1322	1328	1343	rBV	715674	938751	25.93%	4.425%
10	10.616	1444	1449	1456	rBV	181329	236277	6.53%	1.114%
11	10.686	1456	1461	1472	rBV	957225	1308402	36.14%	6.168%
12	11.392	1575	1581	1590	rBV	622434	850948	23.50%	4.011%
13	12.974	1844	1850	1868	rBV	2459646	3185324	87.98%	15.016%
14	13.869	1997	2002	2017	rBV	82490	182745	5.05%	0.861%
15	14.033	2023	2030	2045	rVB	535049	747695	20.65%	3.525%
16	15.510	2275	2281	2291	rVB	527949	873416	24.13%	4.117%

Sum of corrected areas: 21212990

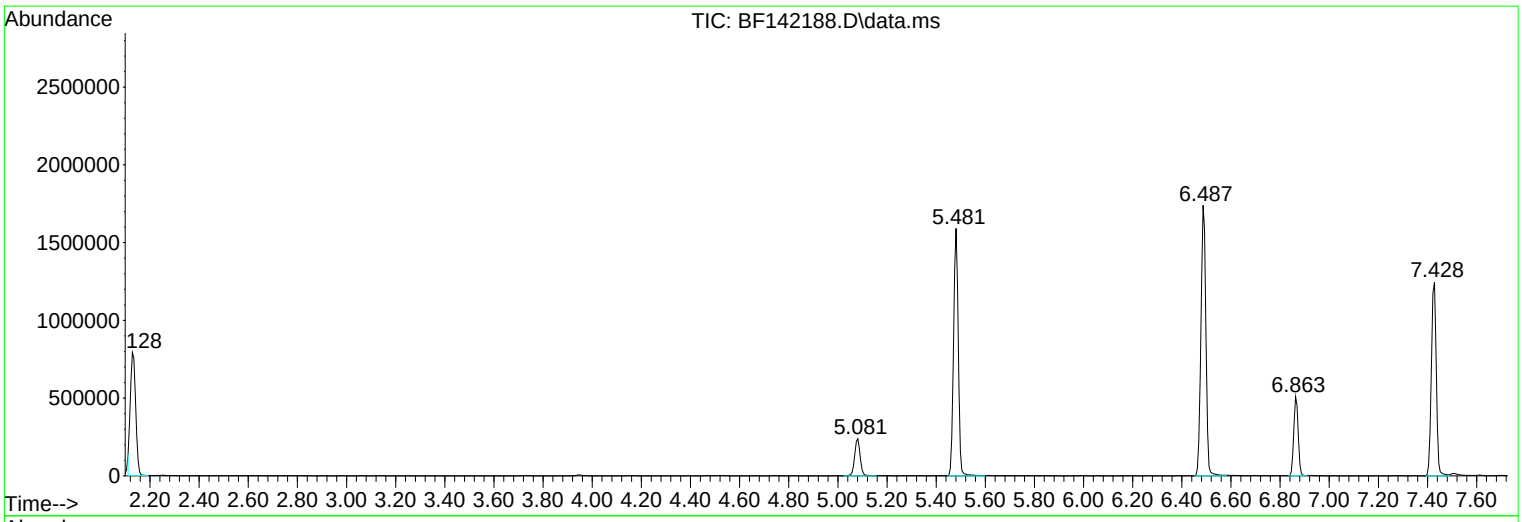
Sample Results: **BF142188.D**

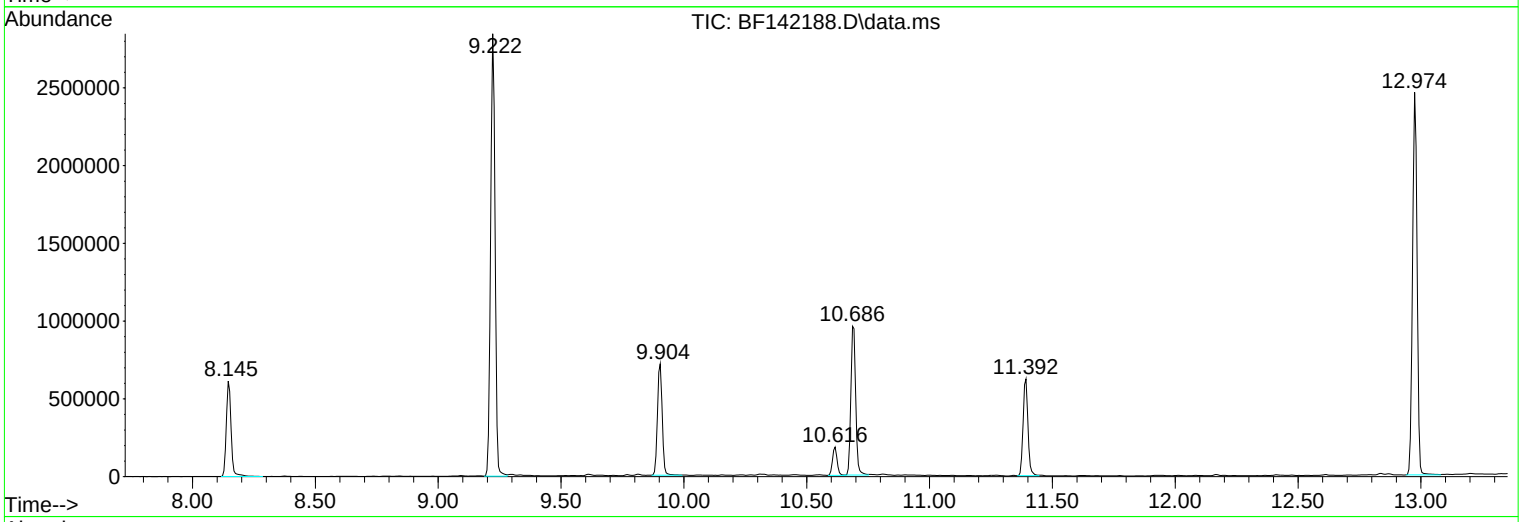
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142188.D
Acq On : 31 Mar 2025 18:57
Operator : RC/JU
Sample : Q1664-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

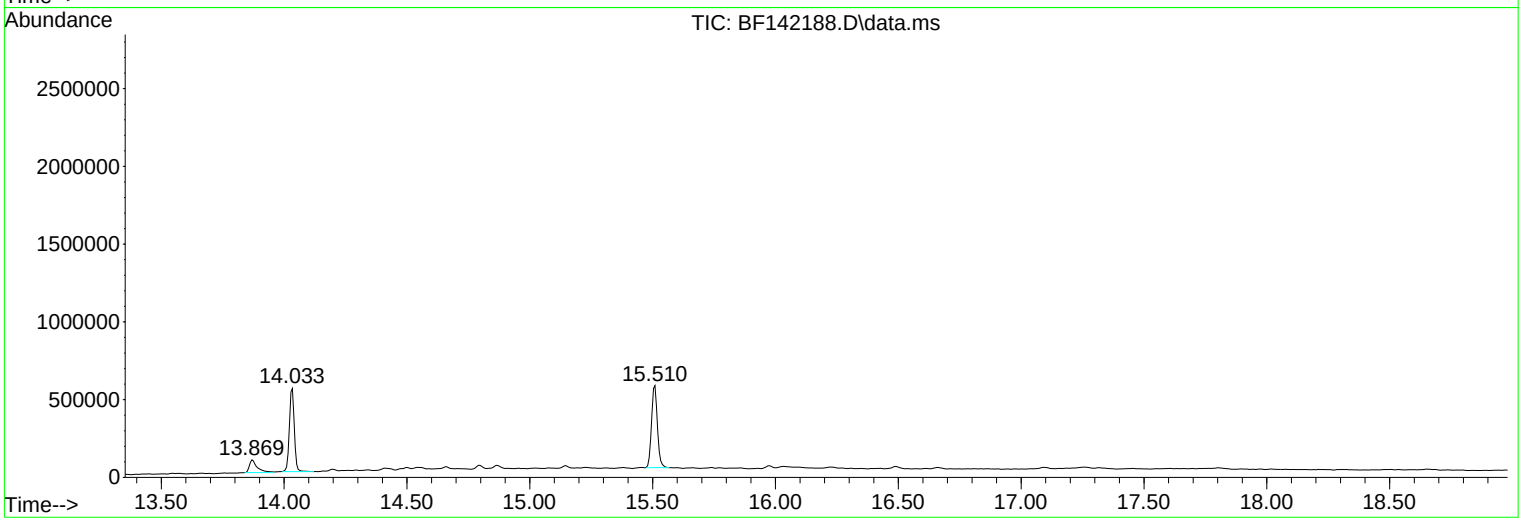
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142188.D
Acq On : 31 Mar 2025 18:57
Operator : RC/JU
Sample : Q1664-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

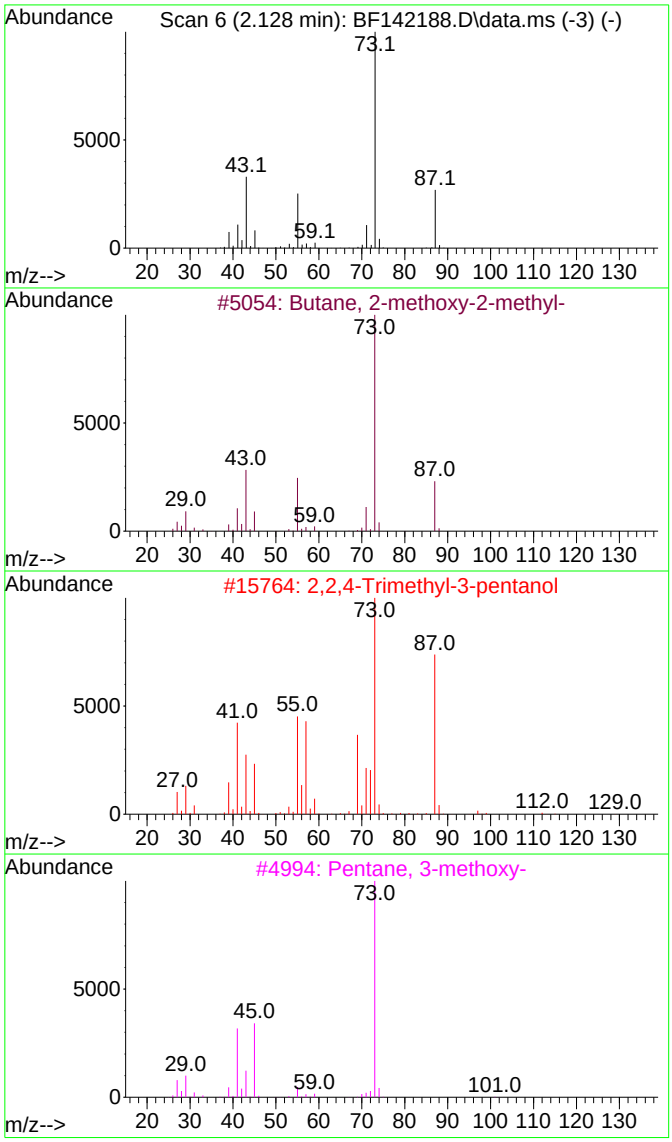
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

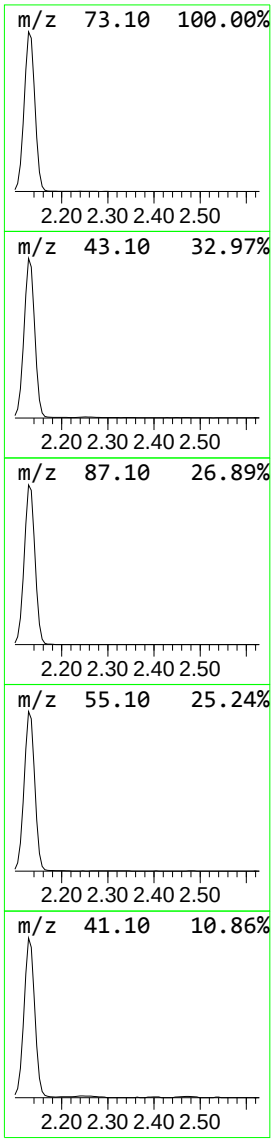
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	37.67 ng	1199890	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142188.D
Acq On : 31 Mar 2025 18:57
Operator : RC/JU
Sample : Q1664-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-01

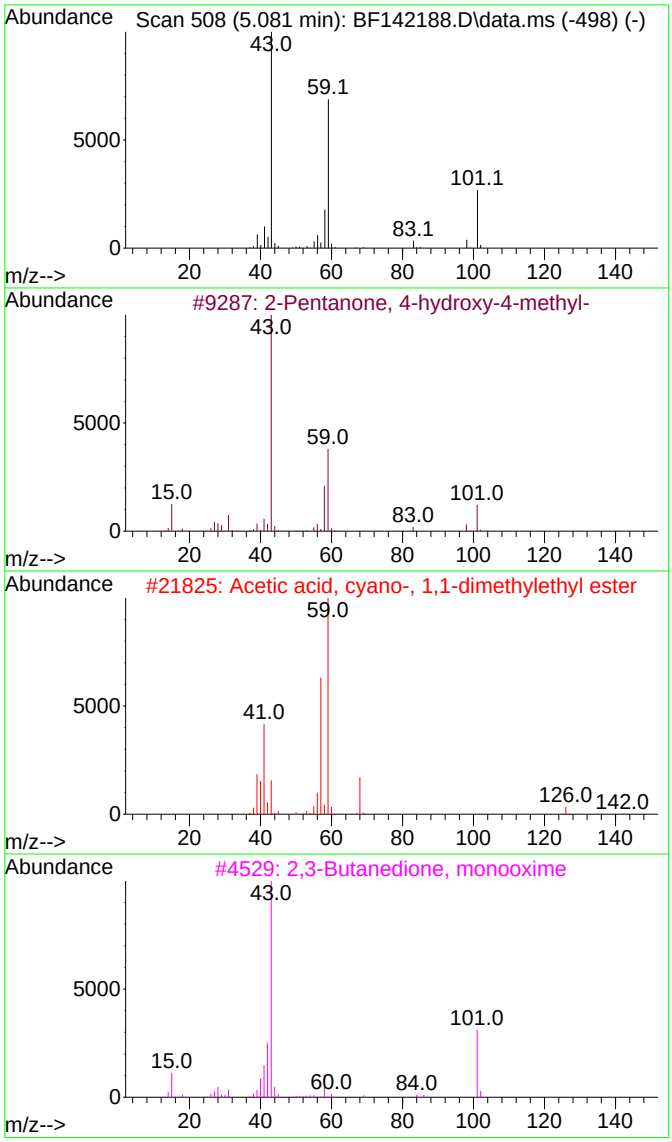
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

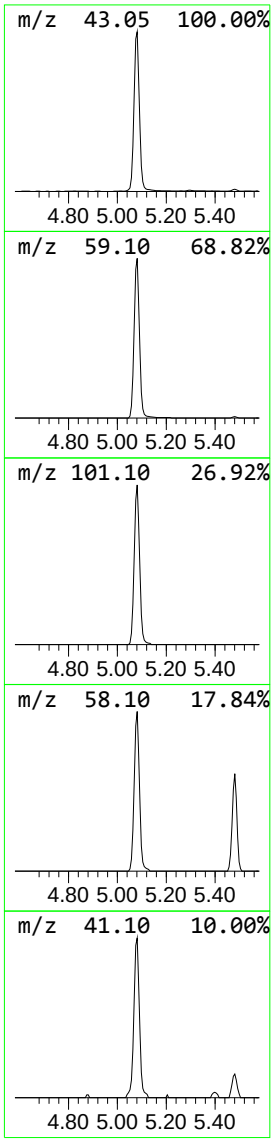
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	11.69 ng	372311	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142188.D
Acq On : 31 Mar 2025 18:57
Operator : RC/JU
Sample : Q1664-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

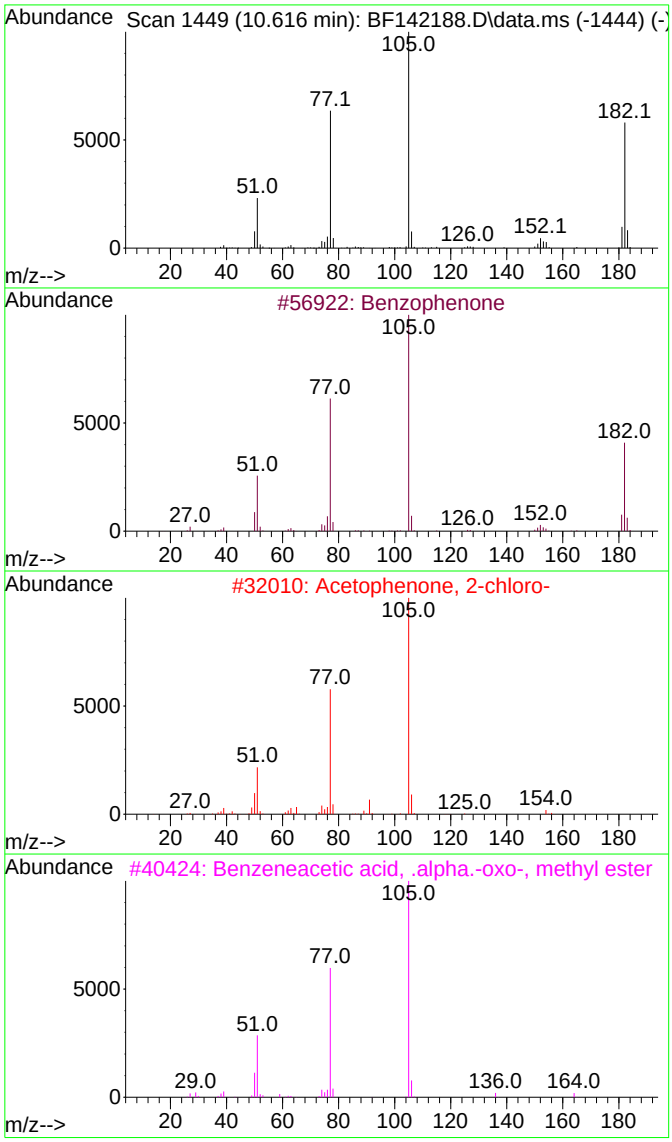
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

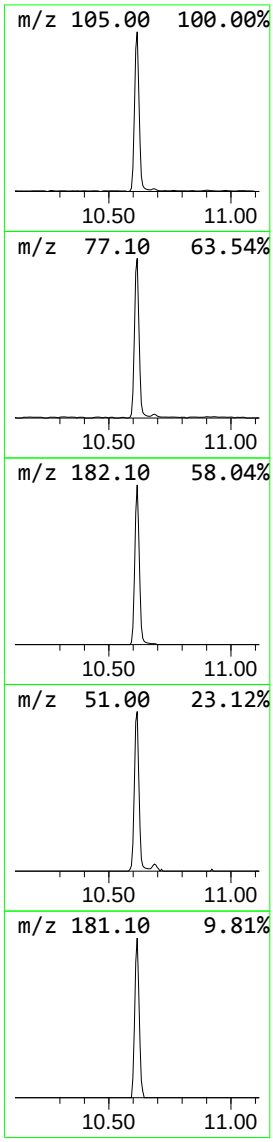
****

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	5.03 ng	236277	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47
4	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
5	Benzeneacetic acid, .alpha.-oxo-...	178	C10H10O3	001603-79-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142188.D
Acq On : 31 Mar 2025 18:57
Operator : RC/JU
Sample : Q1664-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

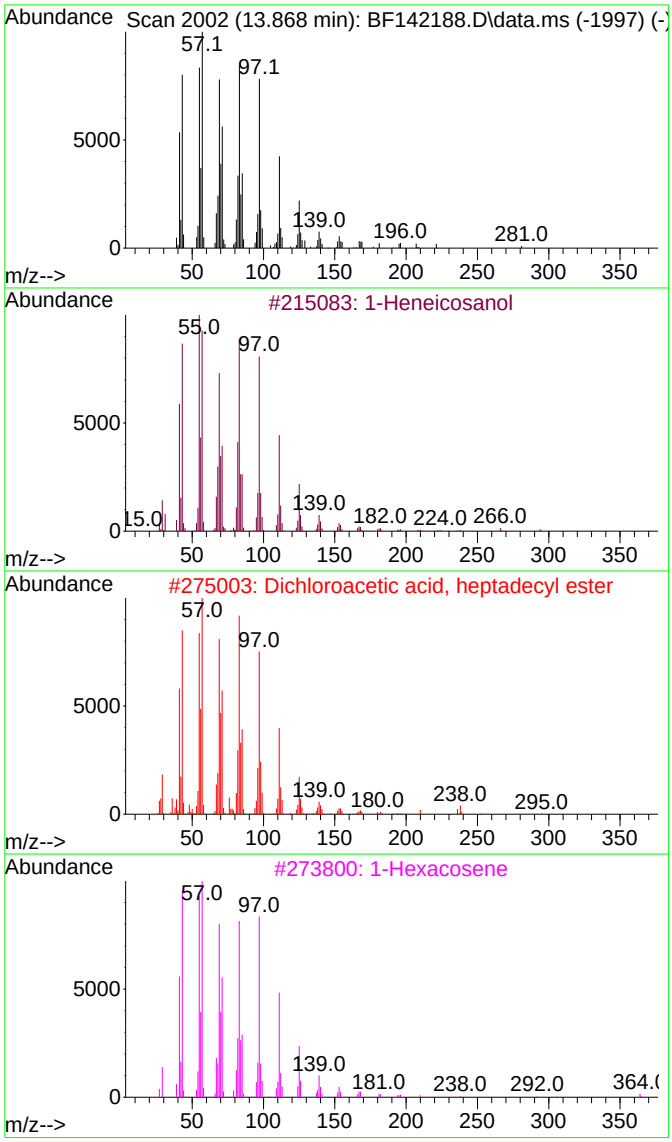
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

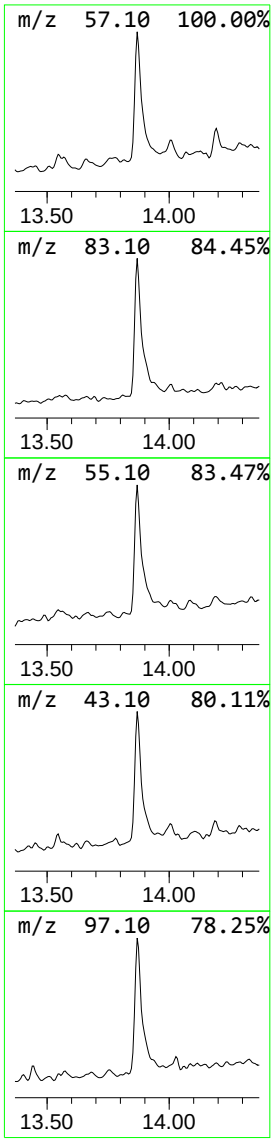
****

Peak Number 4 1-Heneicosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.868	4.89 ng	182745	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	95
3	1-Hexacosene	364	C26H52	018835-33-1	95
4	Behenic alcohol	326	C22H46O	000661-19-8	94
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142188.D
Acq On : 31 Mar 2025 18:57
Operator : RC/JU
Sample : Q1664-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.128	37.7	ng	1199890	1	6.863	637067	20.0
2-Pentanone, 4-...	5.081	11.7	ng	372311	1	6.863	637067	20.0
Benzophenone	10.616	5.0	ng	236277	3	9.904	938751	20.0
1-Heneicosanol	13.868	4.9	ng	182745	5	14.033	747695	20.0

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142191.D	1	03/28/25 09:40	03/31/25 20:26	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.0	U	24.0	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.4	U	26.4	180	ug/Kg
95-57-8	2-Chlorophenol	26.5	U	26.5	180	ug/Kg
95-48-7	2-Methylphenol	32.4	U	32.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.7	U	40.7	180	ug/Kg
98-86-2	Acetophenone	32.0	U	32.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	44.6	U	44.6	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.4	U	51.4	86.8	ug/Kg
67-72-1	Hexachloroethane	19.1	U	19.1	180	ug/Kg
98-95-3	Nitrobenzene	19.9	U	19.9	180	ug/Kg
78-59-1	Isophorone	35.6	UQ	35.6	180	ug/Kg
88-75-5	2-Nitrophenol	63.1	U	63.1	180	ug/Kg
105-67-9	2,4-Dimethylphenol	70.3	U	70.3	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.4	U	33.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.7	U	30.7	180	ug/Kg
91-20-3	Naphthalene	24.6	U	24.6	180	ug/Kg
106-47-8	4-Chloroaniline	38.4	U	38.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.4	UQ	27.4	180	ug/Kg
105-60-2	Caprolactam	56.5	U	56.5	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.1	U	31.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.8	U	27.8	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	UQ	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.5	U	21.5	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.6	UQ	31.6	180	ug/Kg
92-52-4	1,1-Biphenyl	23.6	U	23.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.4	UQ	24.4	180	ug/Kg
88-74-4	2-Nitroaniline	52.2	U	52.2	180	ug/Kg
131-11-3	Dimethylphthalate	29.4	UQ	29.4	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142191.D	1	03/28/25 09:40	03/31/25 20:26	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.4	UQ	31.4	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.4	UQ	36.4	180	ug/Kg
99-09-2	3-Nitroaniline	49.9	U	49.9	180	ug/Kg
83-32-9	Acenaphthene	23.1	U	23.1	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.6	U	24.6	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.3	UQ	54.3	180	ug/Kg
84-66-2	Diethylphthalate	30.7	U	30.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.0	UQ	29.0	180	ug/Kg
86-73-7	Fluorene	27.4	U	27.4	180	ug/Kg
100-01-6	4-Nitroaniline	69.6	U	69.6	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	UQ	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.7	UQ	35.7	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.2	U	30.2	180	ug/Kg
118-74-1	Hexachlorobenzene	27.4	UQ	27.4	180	ug/Kg
1912-24-9	Atrazine	36.9	U	36.9	180	ug/Kg
87-86-5	Pentachlorophenol	55.6	UQ	55.6	360	ug/Kg
85-01-8	Phenanthrene	22.7	U	22.7	180	ug/Kg
120-12-7	Anthracene	36.1	UQ	36.1	180	ug/Kg
86-74-8	Carbazole	33.8	UQ	33.8	180	ug/Kg
84-74-2	Di-n-butylphthalate	52.0	U	52.0	180	ug/Kg
206-44-0	Fluoranthene	32.5	U	32.5	180	ug/Kg
129-00-0	Pyrene	39.1	UQ	39.1	180	ug/Kg
85-68-7	Butylbenzylphthalate	77.5	U	77.5	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.8	UQ	39.8	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.0	UQ	25.0	180	ug/Kg
218-01-9	Chrysene	21.6	UQ	21.6	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.2	U	64.2	180	ug/Kg
117-84-0	Di-n-octyl phthalate	94.2	U	94.2	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.6	U	20.6	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02	SDG No.:	Q1664
Lab Sample ID:	Q1664-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142191.D	1	03/28/25 09:40	03/31/25 20:26	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.3	U	24.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	32.0	UQ	32.0	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.6	U	31.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.7	U	29.7	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.9	U	27.9	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.8	U	27.8	180	ug/Kg
123-91-1	1,4-Dioxane	49.0	U	49.0	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.7	U	29.7	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	102		18 - 112	68%	SPK: 150
13127-88-3	Phenol-d6	100		15 - 107	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.7		18 - 107	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.3		20 - 109	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.1		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	57.8		10 - 105	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	107000	6.863			
1146-65-2	Naphthalene-d8	406000	8.145			
15067-26-2	Acenaphthene-d10	205000	9.904			
1517-22-2	Phenanthrene-d10	293000	11.392			
1719-03-5	Chrysene-d12	246000	14.033			
1520-96-3	Perylene-d12	308000	15.509			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1600	JB		2.14	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	320	AB		5.08	ug/Kg
000119-61-9	Benzophenone	160	J		10.6	ug/Kg
000506-51-4	n-Tetracosanol-1	150	J		13.9	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	03/26/25
Project:	RFP 905			Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02			SDG No.:	Q1664
Lab Sample ID:	Q1664-07			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	92
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BF142191.D	1	03/28/25 09:40	03/31/25 20:26	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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_F\Data\BF033125\
Data File : BF142191.D
Acq On : 31 Mar 2025 20:26
Operator : RC/JU
Sample : Q1664-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-02

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

Quant Time: Apr 01 00:47:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	107368	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	406080	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	205334	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	292774m	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	246157	20.000	ng	0.00
86) Perylene-d12	15.509	264	308484	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	657013	102.128	ng	-0.01
7) Phenol-d6	6.487	99	823001	100.477	ng	-0.02
23) Nitrobenzene-d5	7.428	82	546450	75.729	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	213972	82.141	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1138602	84.331	ng	-0.02
79) Terphenyl-d14	12.974	244	961933	57.775	ng	-0.01
Target Compounds						Qvalue

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

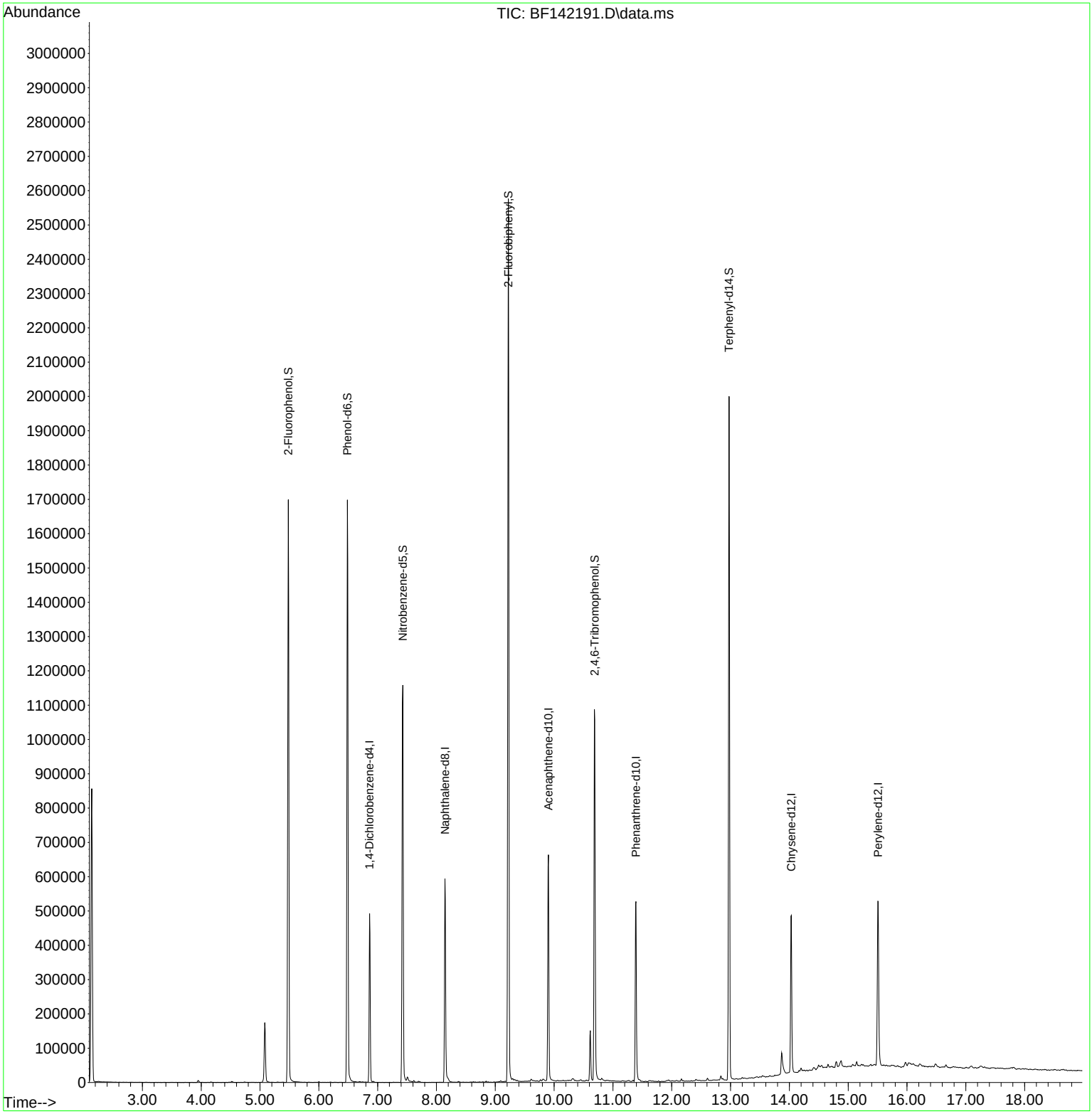
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142191.D
Acq On : 31 Mar 2025 20:26
Operator : RC/JU
Sample : Q1664-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

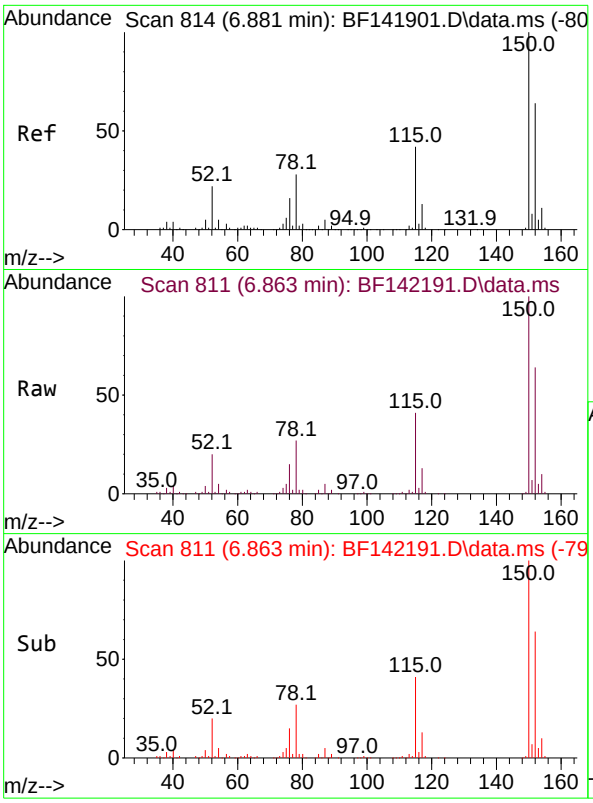
Quant Time: Apr 01 00:47:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-02

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

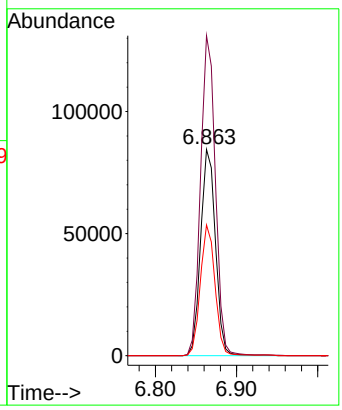




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion:152 Resp: 10736

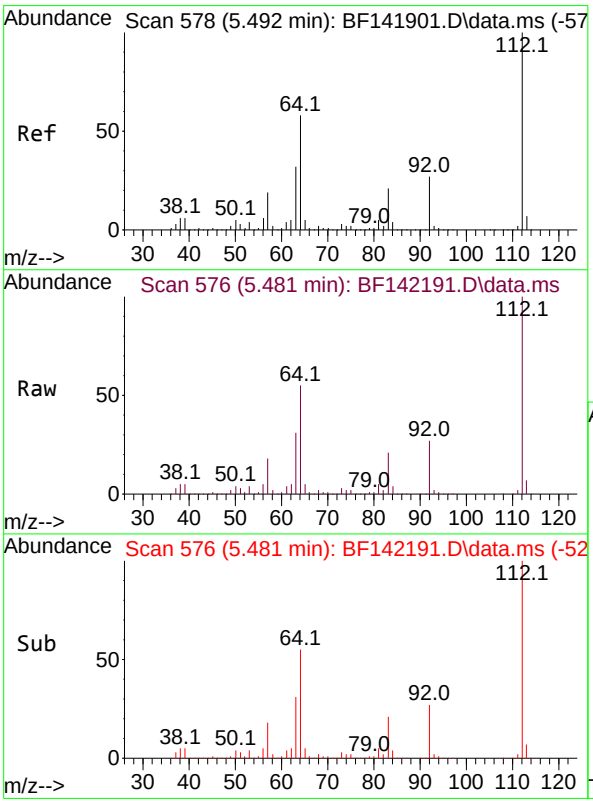
Ion	Ratio	Lower	Upper
152	100		
150	155.1	127.4	191.2
115	63.4	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-02

Manual Integrations
APPROVED

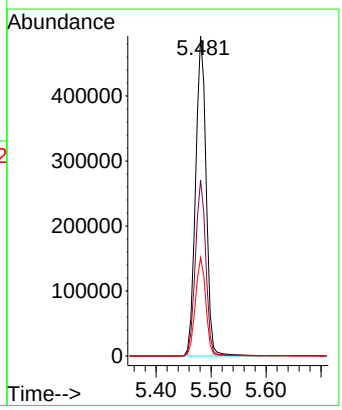
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

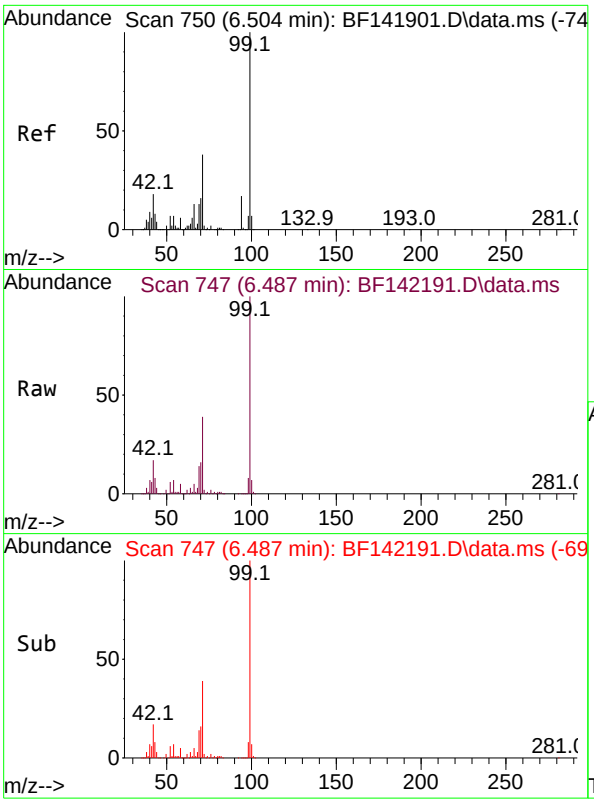


#5
2-Fluorophenol
Concen: 102.128 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion:112 Resp: 657013

Ion	Ratio	Lower	Upper
112	100		
64	55.0	46.5	69.7
63	30.7	25.4	38.2

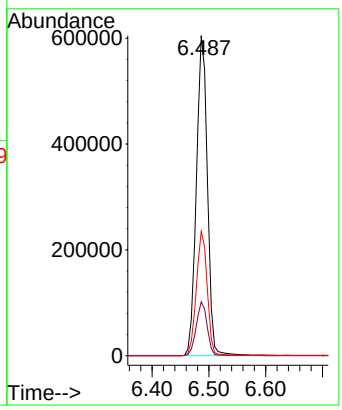




#7
Phenol-d6
Concen: 100.477 ng
RT: 6.487 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion: 99 Resp: 82300

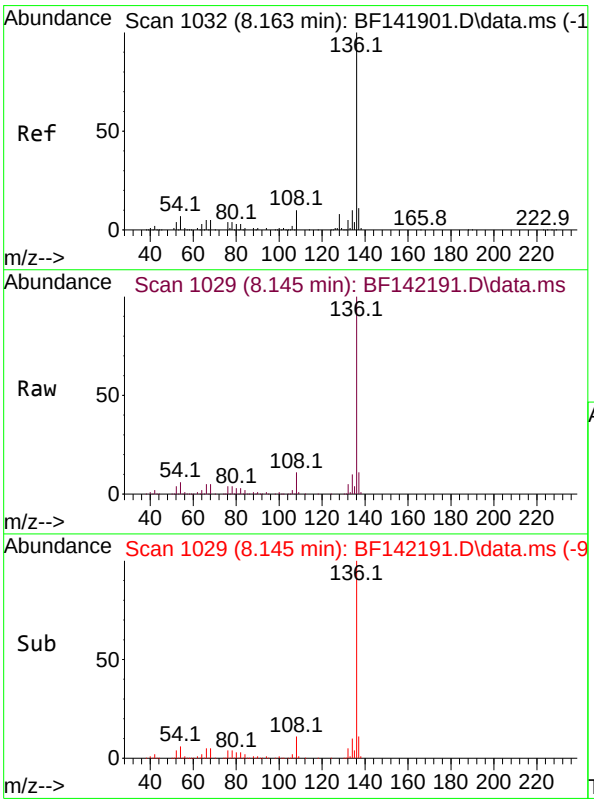
Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.6	21.8
71	38.8	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-02

Manual Integrations APPROVED

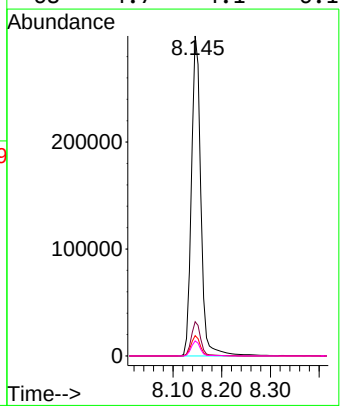
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

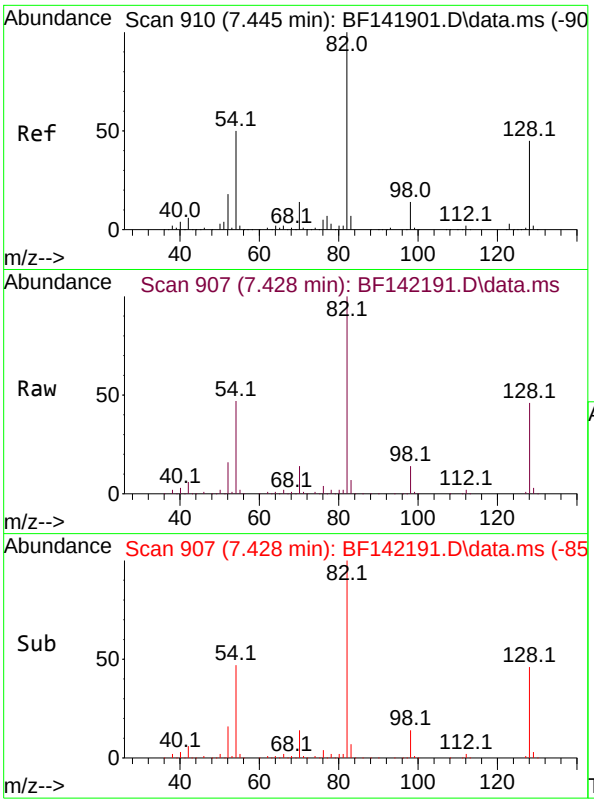


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion:136 Resp: 406080

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.4	5.8	8.8
68	4.7	4.1	6.1

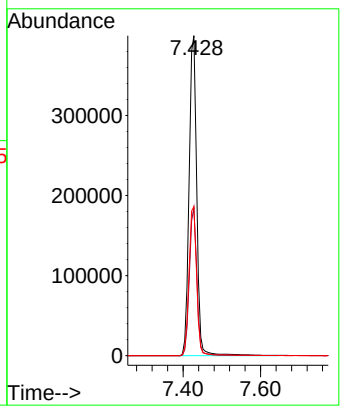




#23
Nitrobenzene-d5
Concen: 75.729 ng
RT: 7.428 min Scan# 9(
Delta R.T. -0.018 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion: 82 Resp: 54645(

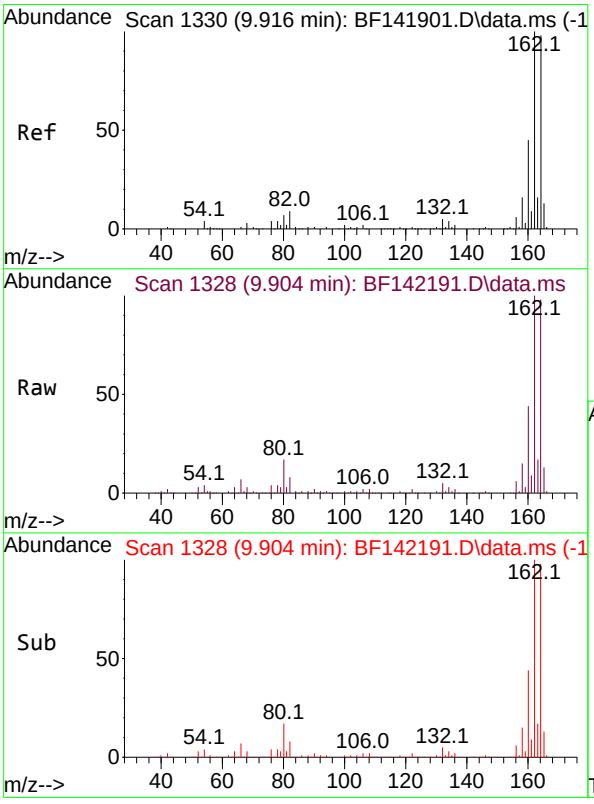
Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.0	54.0
54	46.6	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-02

Manual Integrations
APPROVED

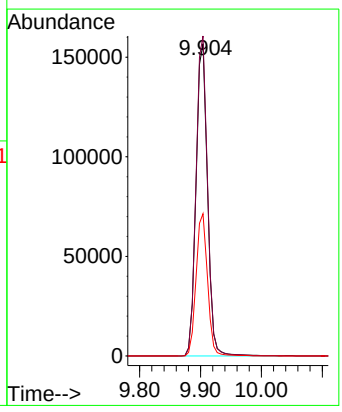
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

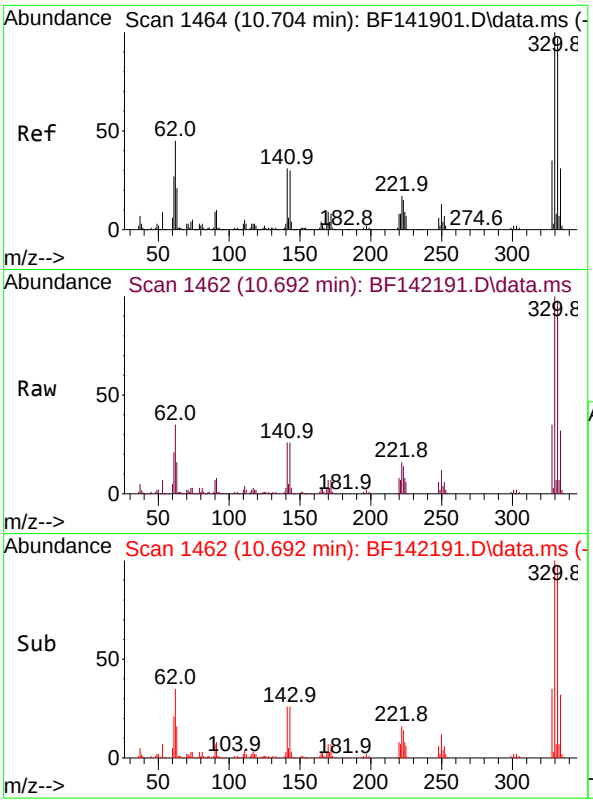


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion:164 Resp: 205334

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.8	122.6
160	45.5	36.7	55.1





#42
2,4,6-Tribromophenol
Concen: 82.141 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

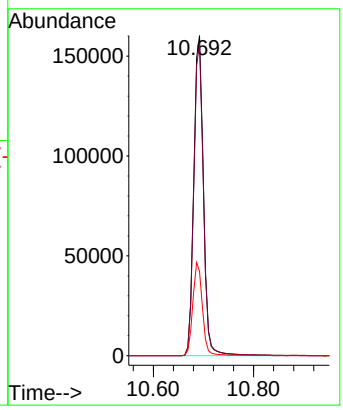
Tgt Ion:330 Resp: 21397

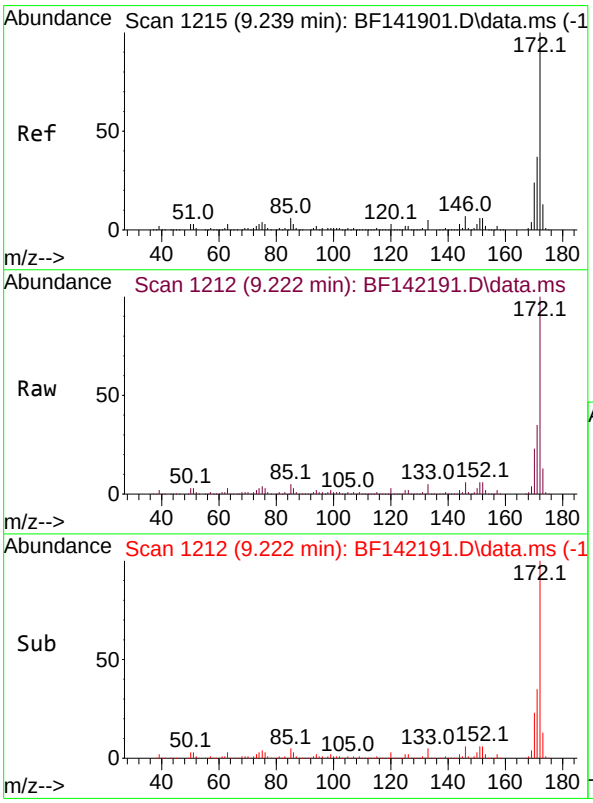
Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.6	116.4
141	29.2	24.7	37.1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-02

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

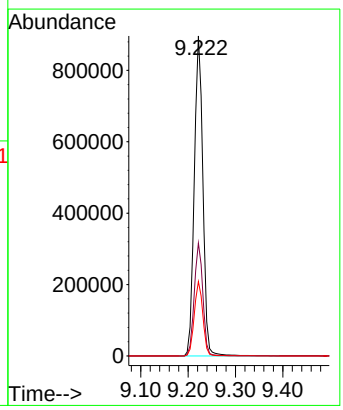


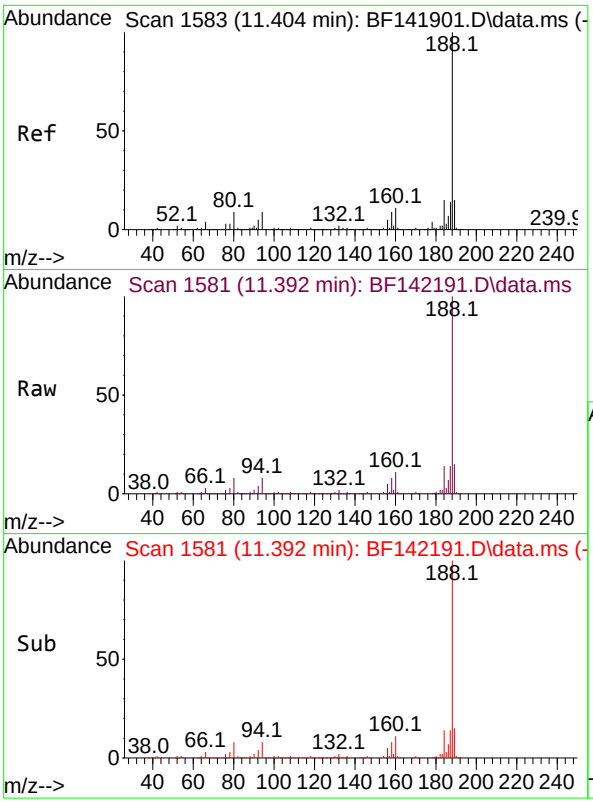


#45
2-Fluorobiphenyl
Concen: 84.331 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion:172 Resp: 1138602

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.3	43.9
170	23.3	19.4	29.0

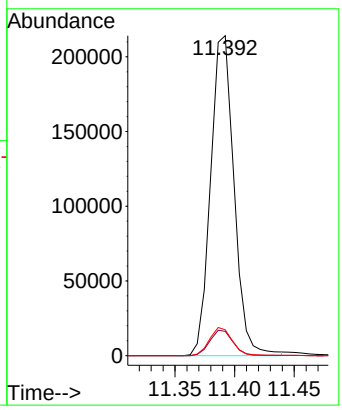




#64
Phenanthrene-d10
Concen: 20.000 ng m
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

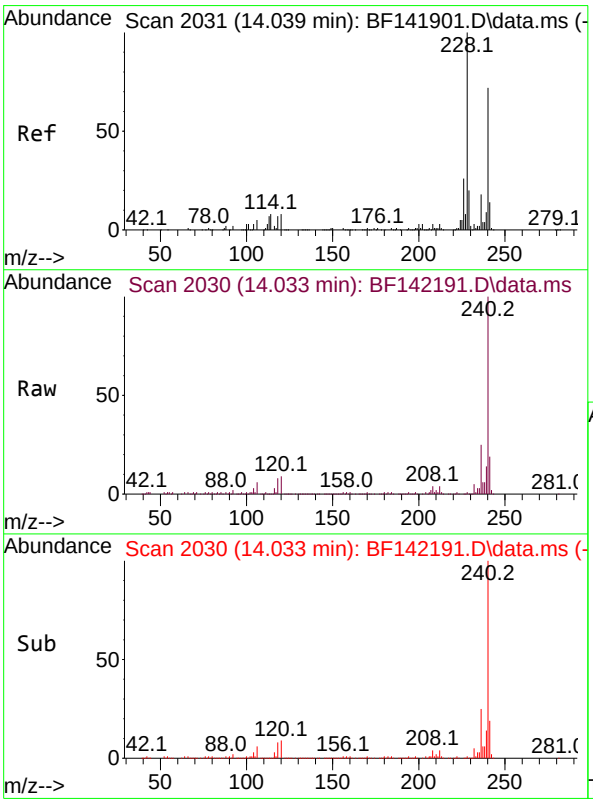
Tgt Ion:188 Resp: 29277

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.8	10.2
80	8.1	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-02

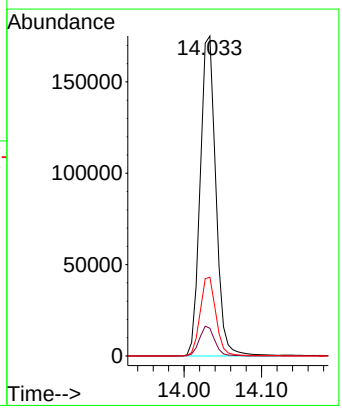
Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

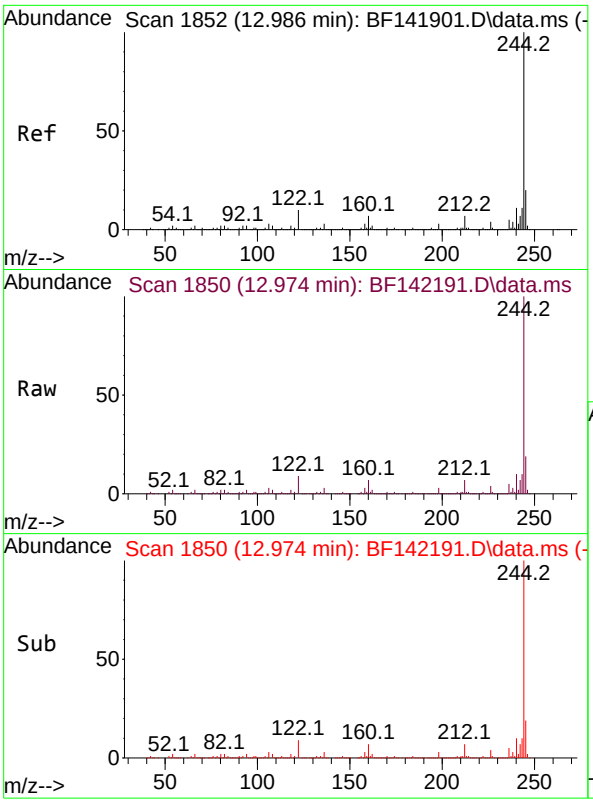


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion:240 Resp: 246157

Ion	Ratio	Lower	Upper
240	100		
120	8.6	8.4	12.6
236	24.6	20.5	30.7

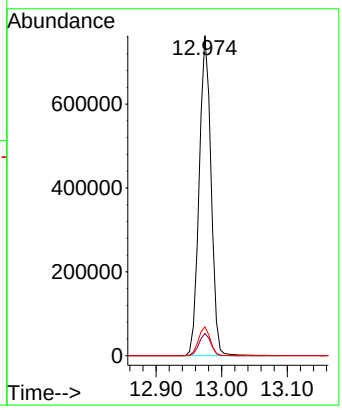




#79
Terphenyl-d14
Concen: 57.775 ng
RT: 12.974 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion:244 Resp: 96193

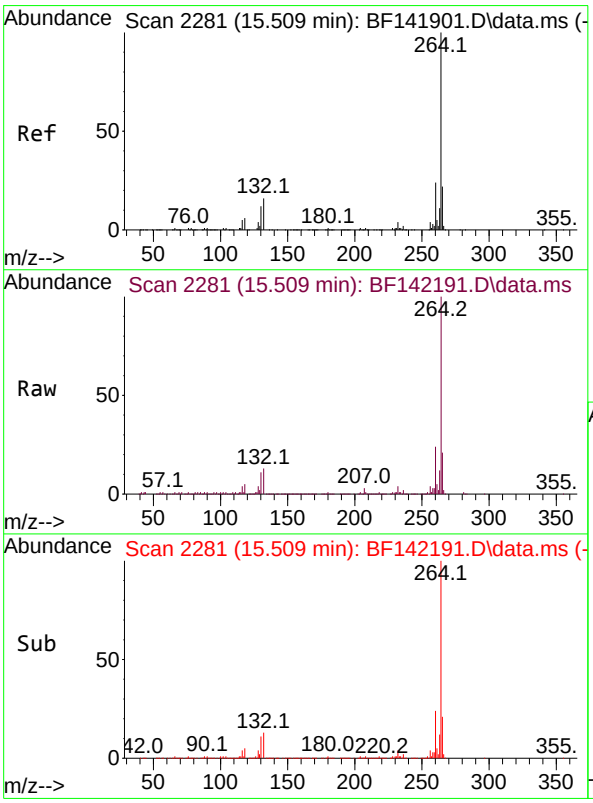
Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	9.0	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-02

Manual Integrations
APPROVED

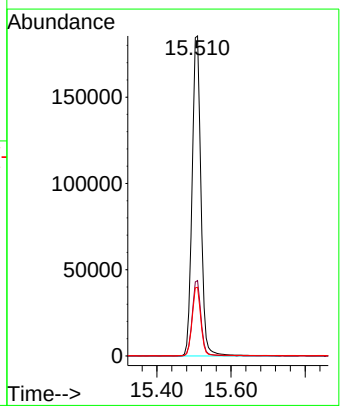
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142191.D
Acq: 31 Mar 2025 20:26

Tgt Ion:264 Resp: 308484

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.5	17.5	26.3



Sample Results: **BF142191.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142191.D
Acq On : 31 Mar 2025 20:26
Operator : RC/JU
Sample : Q1664-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-02

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142191.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.140	3	8	19	rVB	854380	1352186	41.68%	6.833%
2	5.081	498	508	523	rVB	173910	274676	8.47%	1.388%
3	5.481	570	576	598	rBV	1698965	2251222	69.40%	11.375%
4	6.487	741	747	767	rBV	1698084	2316580	71.41%	11.706%
5	6.863	806	811	819	rBV	491976	614418	18.94%	3.105%
6	7.428	901	907	917	rBV	1158362	1559902	48.09%	7.882%
7	8.145	1024	1029	1052	rBV	592904	802316	24.73%	4.054%
8	9.222	1206	1212	1222	rBV	2573354	3243843	100.00%	16.391%
9	9.904	1322	1328	1336	rBV	658067	863879	26.63%	4.365%
10	10.616	1444	1449	1456	rBV	145946	190466	5.87%	0.962%
11	10.686	1456	1461	1479	rVV	1081347	1473862	45.44%	7.447%
12	11.392	1576	1581	1595	rBV	524474	739073	22.78%	3.734%
13	12.974	1844	1850	1866	rBV	1992810	2516692	77.58%	12.717%
14	13.868	1998	2002	2015	rBV	61981	133303	4.11%	0.674%
15	14.033	2024	2030	2041	rBV	457633	650170	20.04%	3.285%
16	15.504	2274	2280	2291	rVB	478731	807889	24.91%	4.082%

Sum of corrected areas: 19790477

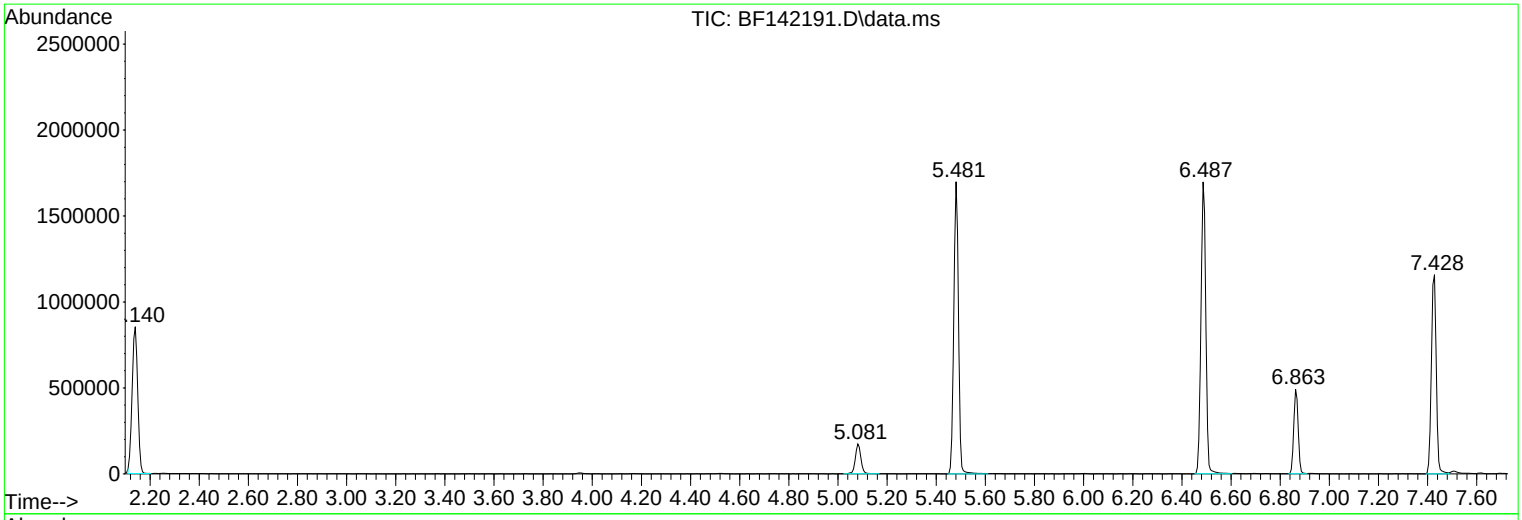
Sample Results: **BF142191.D**

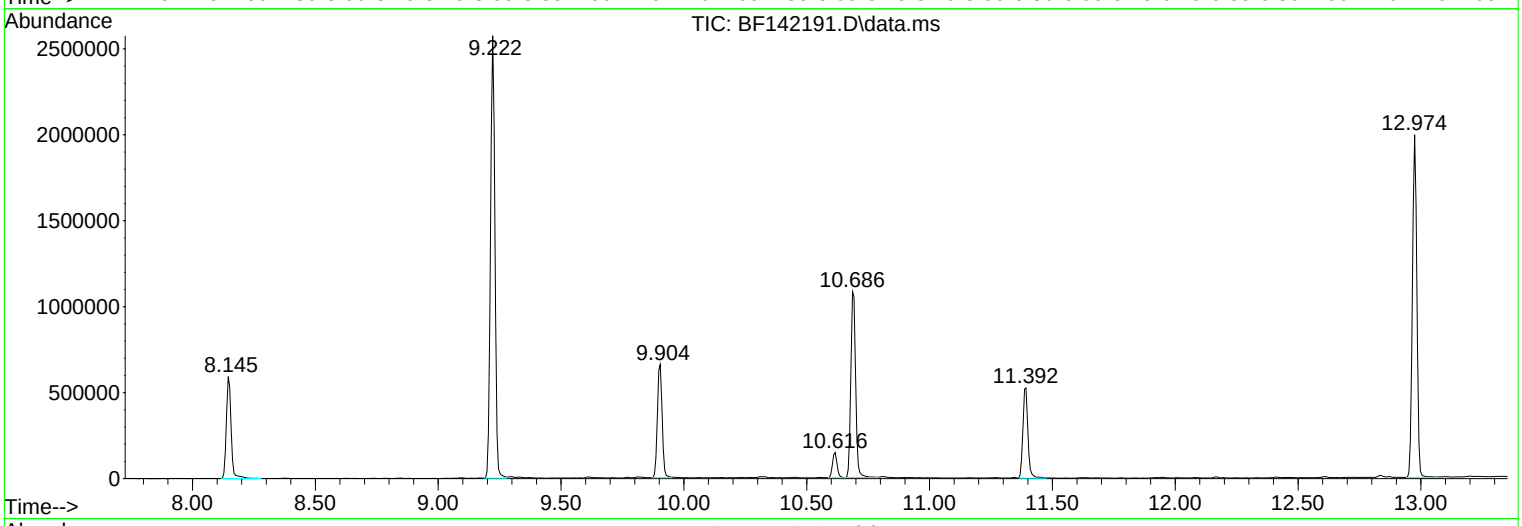
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142191.D
Acq On : 31 Mar 2025 20:26
Operator : RC/JU
Sample : Q1664-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

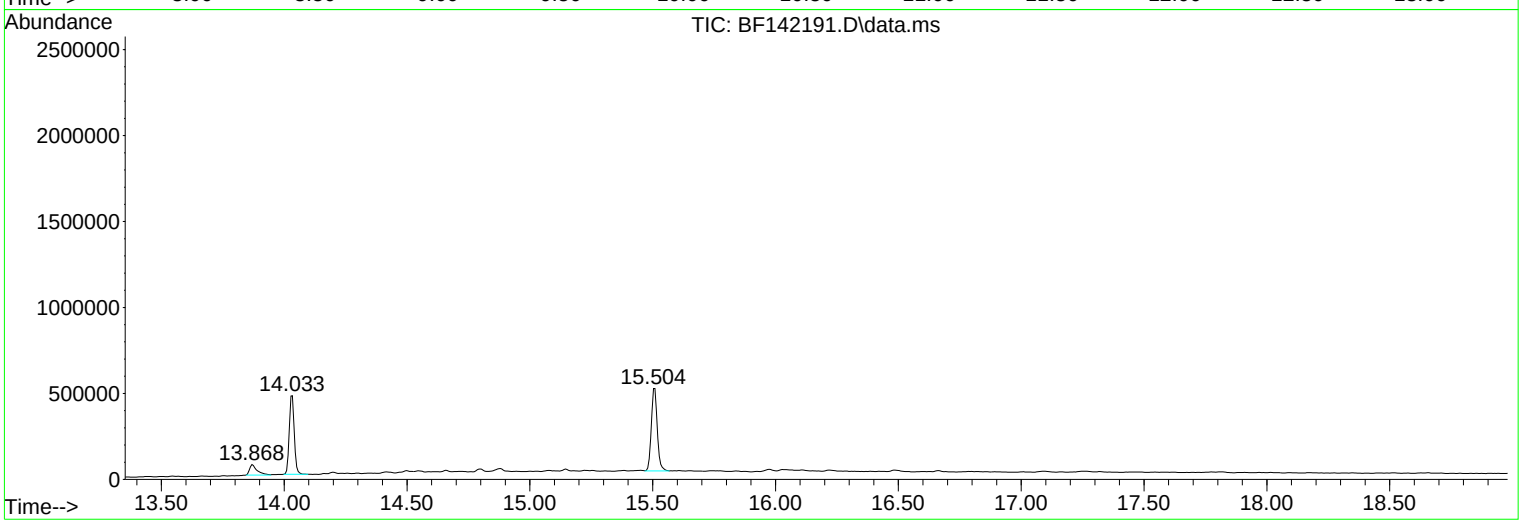
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142191.D
Acq On : 31 Mar 2025 20:26
Operator : RC/JU
Sample : Q1664-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-02

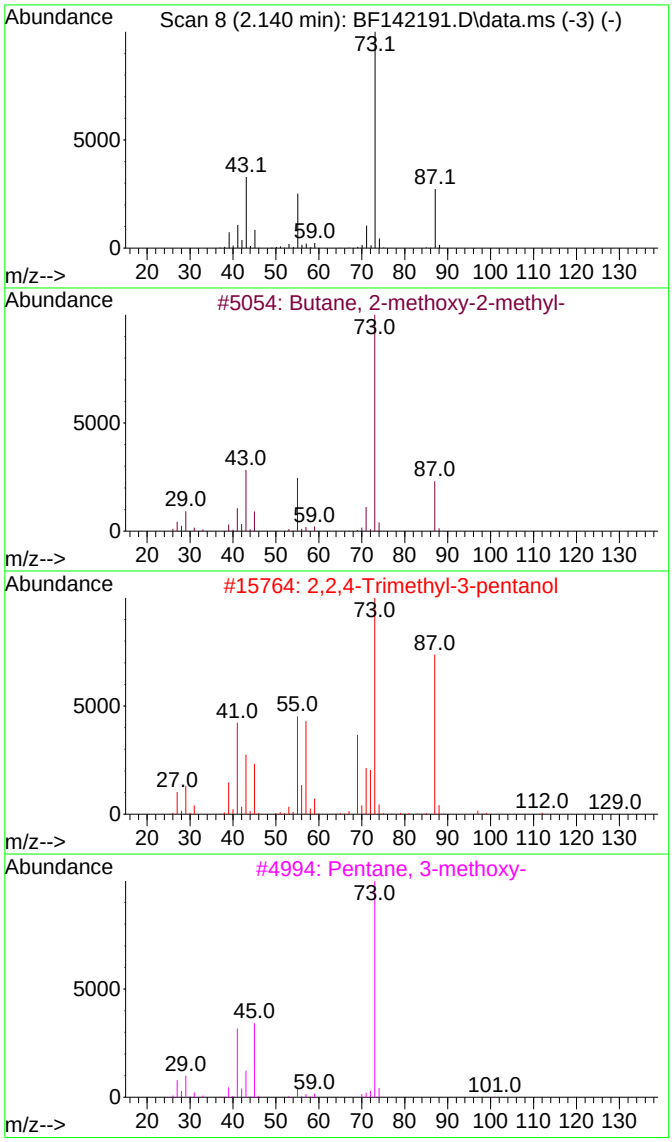
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

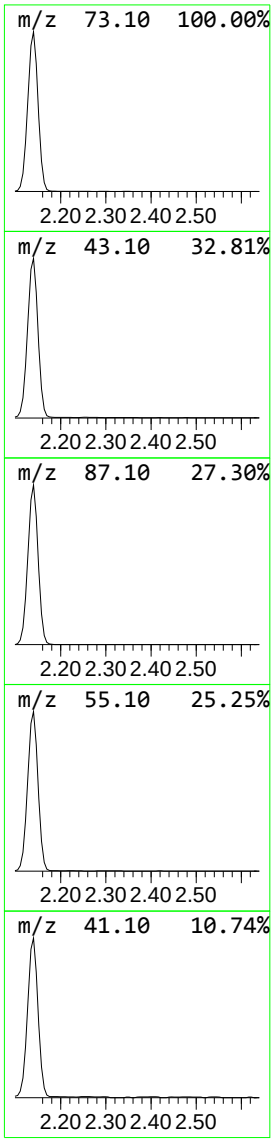
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.140	44.02 ng	1352190	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142191.D
Acq On : 31 Mar 2025 20:26
Operator : RC/JU
Sample : Q1664-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-02

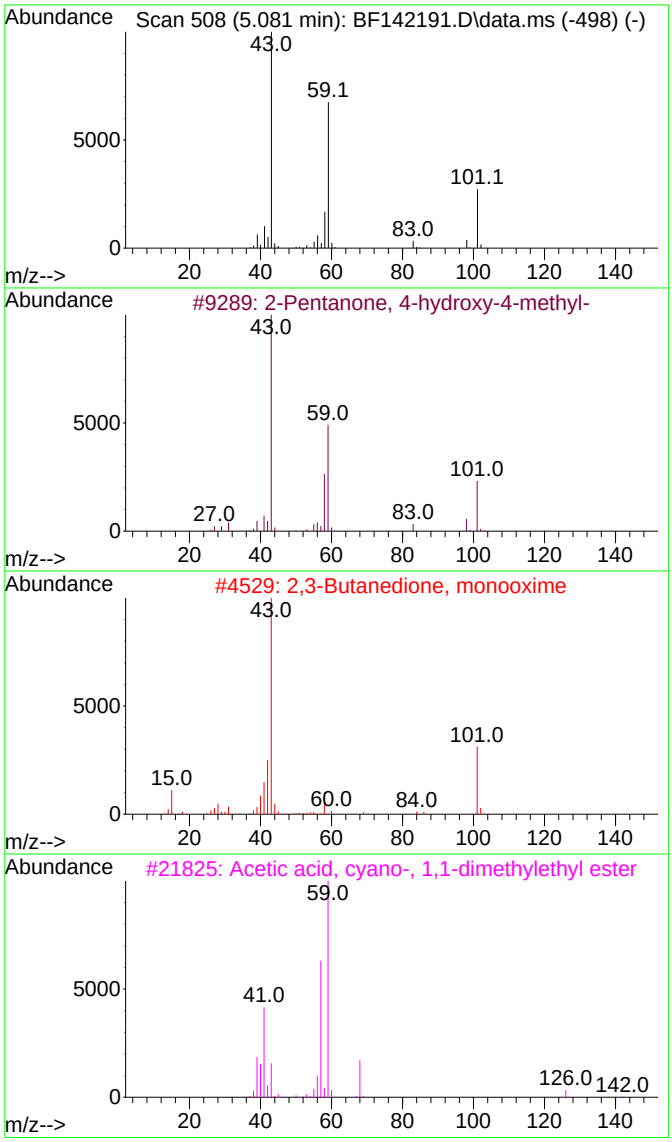
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

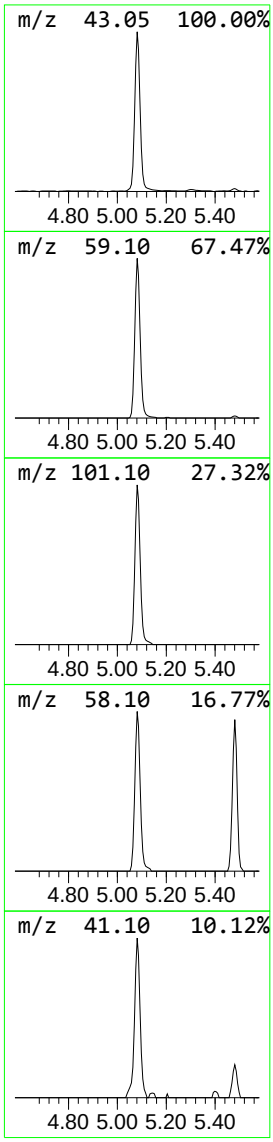
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	8.94 ng	274676	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142191.D
Acq On : 31 Mar 2025 20:26
Operator : RC/JU
Sample : Q1664-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

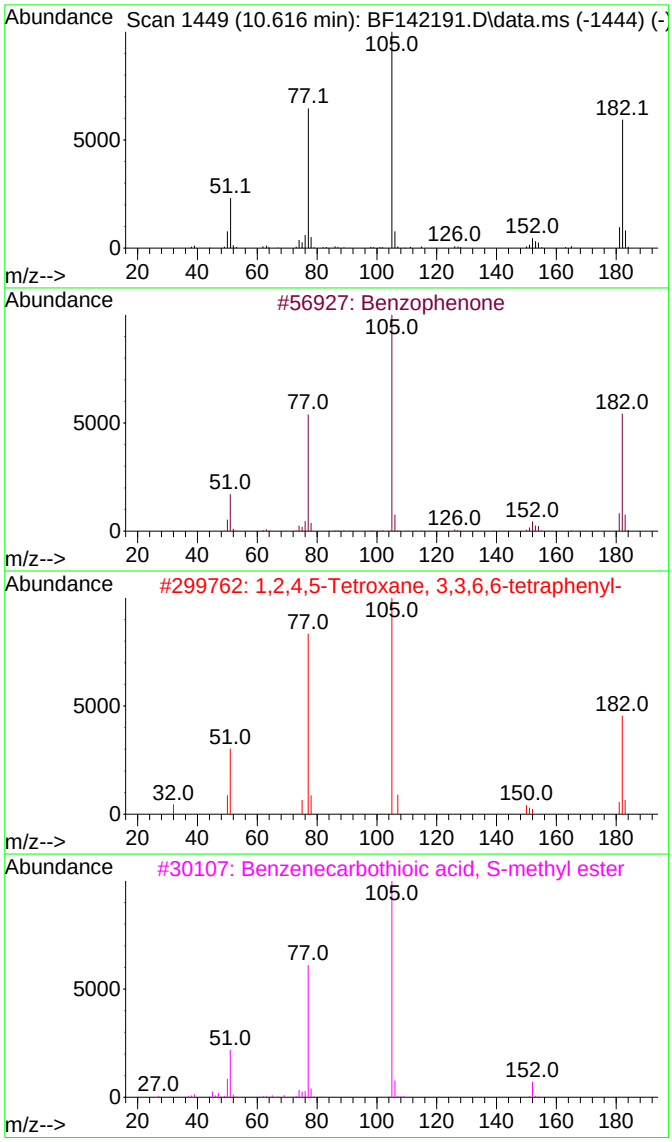
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

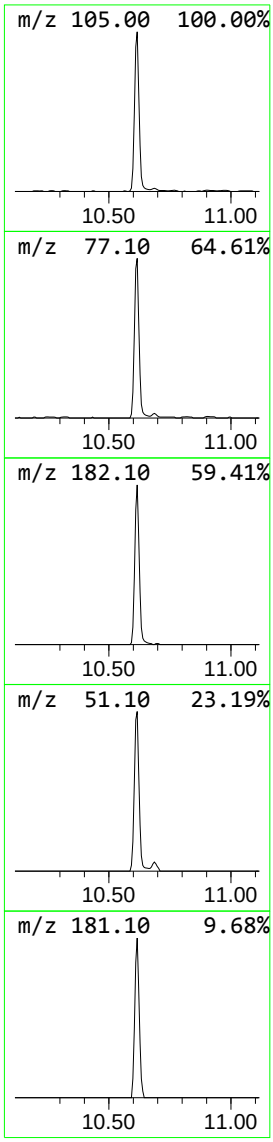
****

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	4.41 ng	190466	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
4	Azobenzene	182	C12H10N2	000103-33-3	47
5	Ethyl 2-benzoyl-4-cyanobutanoate	245	C14H15NO3	1000486-83-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142191.D
Acq On : 31 Mar 2025 20:26
Operator : RC/JU
Sample : Q1664-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

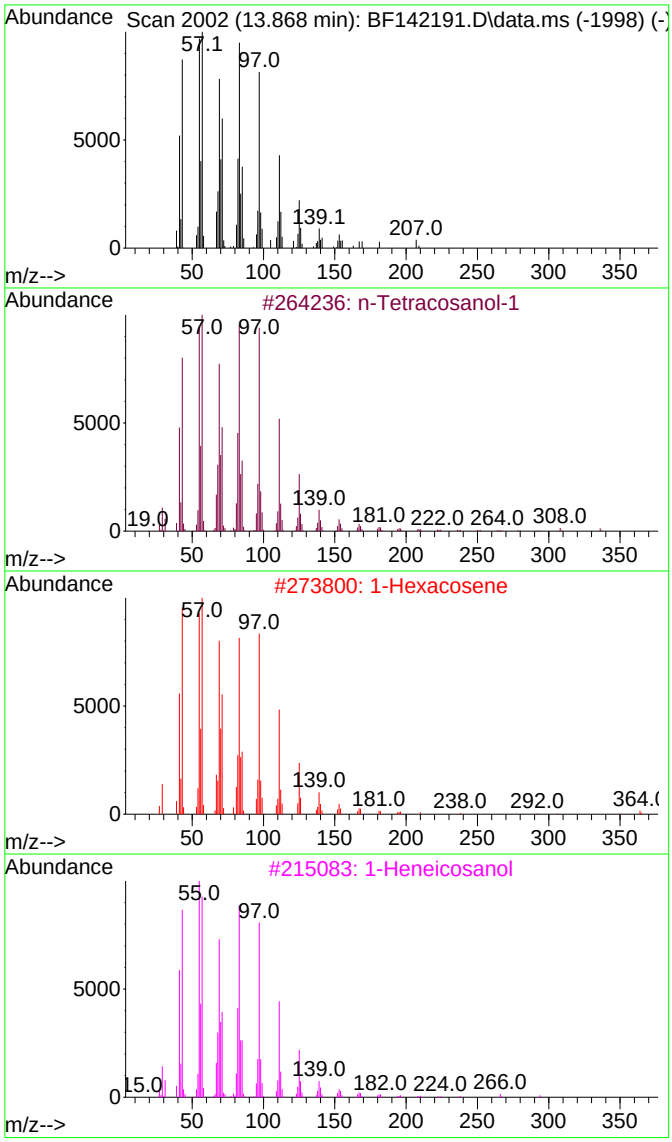
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

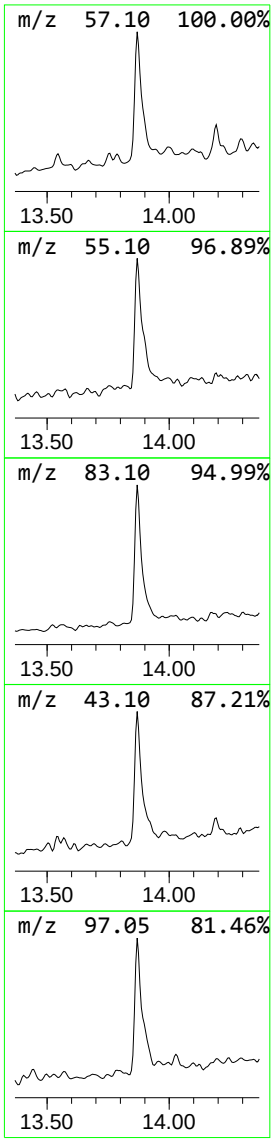
****

Peak Number 4 n-Tetracosanol-1 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.868	4.10 ng	133303	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
2	1-Hexacosene	364	C26H52	018835-33-1	95
3	1-Heneicosanol	312	C21H44O	015594-90-8	94
4	Behenic alcohol	326	C22H46O	000661-19-8	94
5	17-Pentatriacontene	491	C35H70	006971-40-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142191.D
Acq On : 31 Mar 2025 20:26
Operator : RC/JU
Sample : Q1664-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-001-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.140	44.0	ng	1352190	1	6.863	614418	20.0
2-Pentanone, 4-...	5.081	8.9	ng	274676	1	6.863	614418	20.0
Benzophenone	10.616	4.4	ng	190466	3	9.904	863879	20.0
n-Tetracosanol-1	13.868	4.1	ng	133303	5	14.033	650170	20.0

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02RE	SDG No.:	Q1664
Lab Sample ID:	Q1664-07RE	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049796.D	1	03/28/25 09:40	04/02/25 18:39	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.0	U	24.0	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.4	U	26.4	180	ug/Kg
95-57-8	2-Chlorophenol	26.5	U	26.5	180	ug/Kg
95-48-7	2-Methylphenol	32.4	U	32.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.7	U	40.7	180	ug/Kg
98-86-2	Acetophenone	32.0	U	32.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	44.6	U	44.6	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.4	U	51.4	86.8	ug/Kg
67-72-1	Hexachloroethane	19.1	U	19.1	180	ug/Kg
98-95-3	Nitrobenzene	19.9	U	19.9	180	ug/Kg
78-59-1	Isophorone	35.6	UQ	35.6	180	ug/Kg
88-75-5	2-Nitrophenol	63.1	U	63.1	180	ug/Kg
105-67-9	2,4-Dimethylphenol	70.3	U	70.3	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.4	U	33.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.7	U	30.7	180	ug/Kg
91-20-3	Naphthalene	24.6	U	24.6	180	ug/Kg
106-47-8	4-Chloroaniline	38.4	U	38.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.4	UQ	27.4	180	ug/Kg
105-60-2	Caprolactam	56.5	U	56.5	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.1	U	31.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.8	U	27.8	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	UQ	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.5	U	21.5	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.6	UQ	31.6	180	ug/Kg
92-52-4	1,1-Biphenyl	23.6	U	23.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.4	UQ	24.4	180	ug/Kg
88-74-4	2-Nitroaniline	52.2	U	52.2	180	ug/Kg
131-11-3	Dimethylphthalate	29.4	UQ	29.4	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02RE	SDG No.:	Q1664
Lab Sample ID:	Q1664-07RE	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049796.D	1	03/28/25 09:40	04/02/25 18:39	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.4	UQ	31.4	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.4	UQ	36.4	180	ug/Kg
99-09-2	3-Nitroaniline	49.9	U	49.9	180	ug/Kg
83-32-9	Acenaphthene	23.1	U	23.1	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.6	U	24.6	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.3	UQ	54.3	180	ug/Kg
84-66-2	Diethylphthalate	30.7	U	30.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.0	UQ	29.0	180	ug/Kg
86-73-7	Fluorene	27.4	U	27.4	180	ug/Kg
100-01-6	4-Nitroaniline	69.6	U	69.6	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	UQ	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.7	UQ	35.7	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.2	U	30.2	180	ug/Kg
118-74-1	Hexachlorobenzene	27.4	UQ	27.4	180	ug/Kg
1912-24-9	Atrazine	36.9	U	36.9	180	ug/Kg
87-86-5	Pentachlorophenol	55.6	UQ	55.6	360	ug/Kg
85-01-8	Phenanthrene	22.7	U	22.7	180	ug/Kg
120-12-7	Anthracene	36.1	UQ	36.1	180	ug/Kg
86-74-8	Carbazole	33.8	UQ	33.8	180	ug/Kg
84-74-2	Di-n-butylphthalate	52.0	U	52.0	180	ug/Kg
206-44-0	Fluoranthene	32.5	U	32.5	180	ug/Kg
129-00-0	Pyrene	39.1	UQ	39.1	180	ug/Kg
85-68-7	Butylbenzylphthalate	77.5	U	77.5	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.8	UQ	39.8	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.0	UQ	25.0	180	ug/Kg
218-01-9	Chrysene	21.6	UQ	21.6	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.2	U	64.2	180	ug/Kg
117-84-0	Di-n-octyl phthalate	94.2	U	94.2	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.6	U	20.6	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-02RE	SDG No.:	Q1664
Lab Sample ID:	Q1664-07RE	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049796.D	1	03/28/25 09:40	04/02/25 18:39	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.3	U	24.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	32.0	UQ	32.0	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.6	U	31.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.7	U	29.7	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.9	U	27.9	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.8	U	27.8	180	ug/Kg
123-91-1	1,4-Dioxane	49.0	U	49.0	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.7	U	29.7	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		18 - 112	75%	SPK: 150
13127-88-3	Phenol-d6	116		15 - 107	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.6		18 - 107	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.1		20 - 109	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	115		10 - 116	77%	SPK: 150
1718-51-0	Terphenyl-d14	84.0		10 - 105	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	266000	7.787			
1146-65-2	Naphthalene-d8	914000	10.58			
15067-26-2	Acenaphthene-d10	564000	14.427			
1517-22-2	Phenanthrene-d10	1100000	17.168			
1719-03-5	Chrysene-d12	1170000	21.403			
1520-96-3	Perylene-d12	1260000	24.403			

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\BM040225\
Data File : BM049796.D
Acq On : 02 Apr 2025 18:39
Operator : RC/JU
Sample : Q1664-07RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-02RE

Quant Time: Apr 03 00:48:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

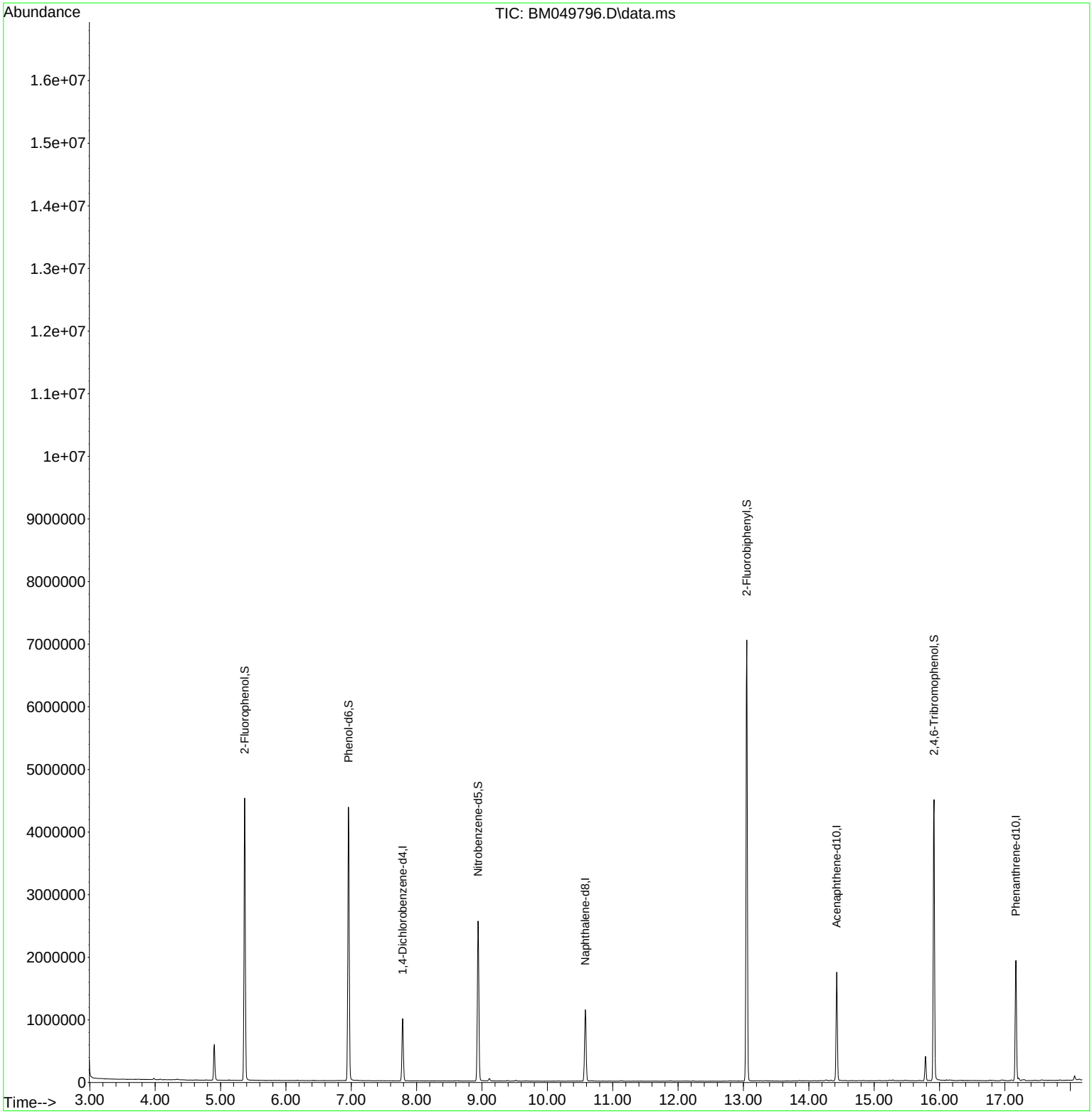
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	265752	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	914362	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	564453	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1104038	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1170671	20.000	ng	-0.02
86) Perylene-d12	24.403	264	1255254	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1780092	113.022	ng	-0.02
7) Phenol-d6	6.957	99	2301308	116.432	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1398966	78.552	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	756882	114.834	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	3477117	77.148	ng	-0.02
79) Terphenyl-d14	19.792	244	5832674	83.958	ng	-0.02
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049796.D
Acq On : 02 Apr 2025 18:39
Operator : RC/JU
Sample : Q1664-07RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-02RE

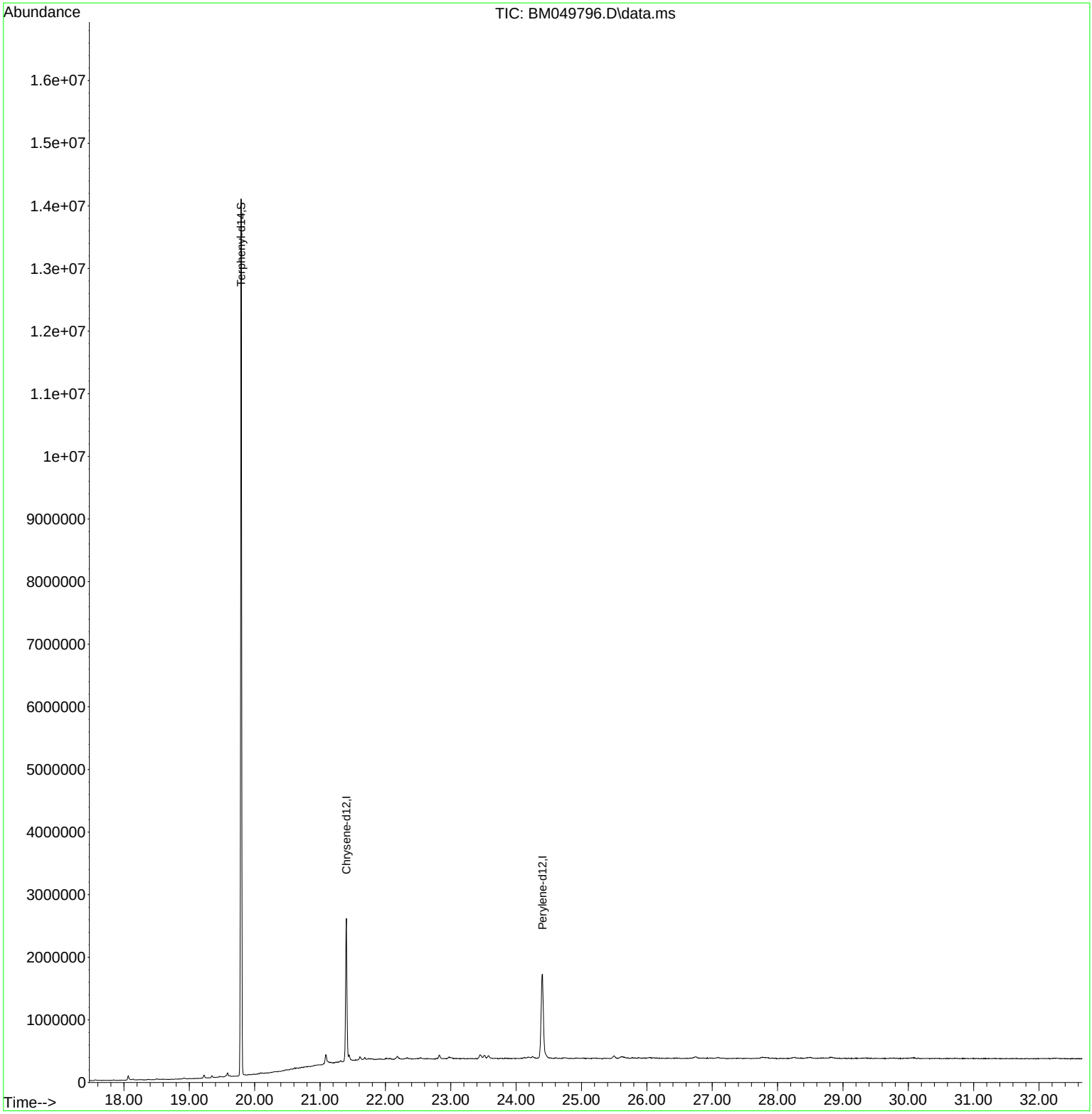
Quant Time: Apr 03 00:48:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

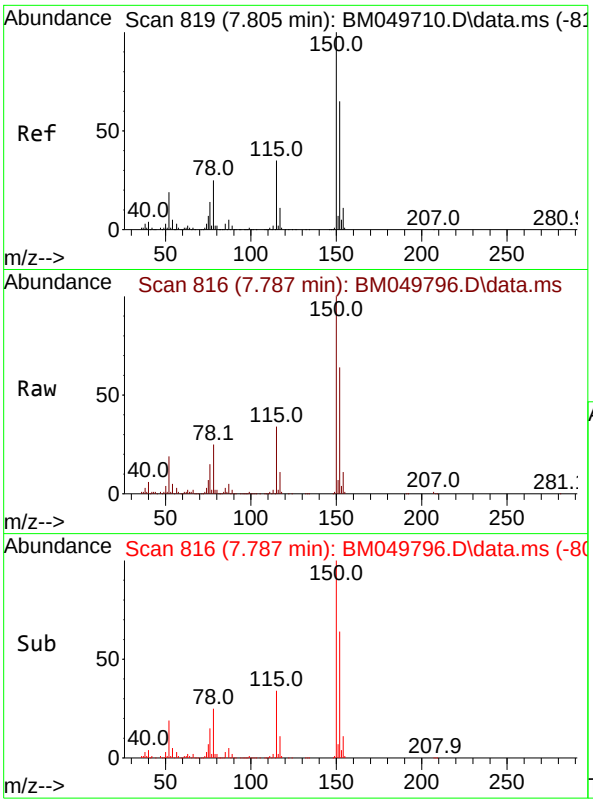


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049796.D
Acq On : 02 Apr 2025 18:39
Operator : RC/JU
Sample : Q1664-07RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-02RE

Quant Time: Apr 03 00:48:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



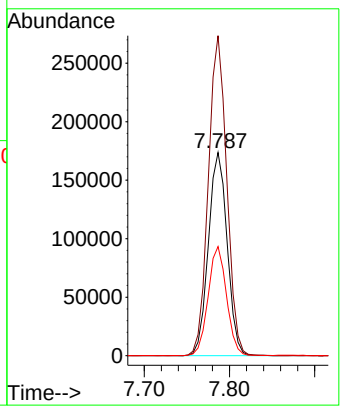


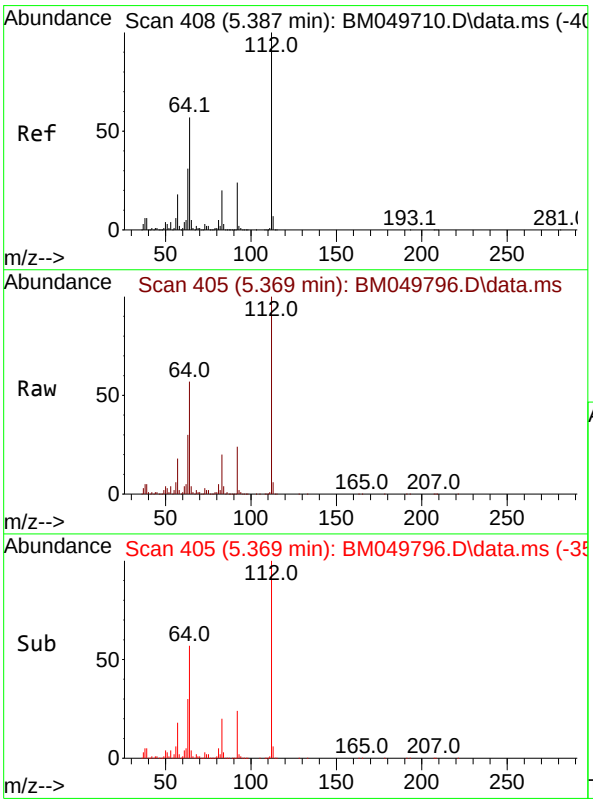
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-02RE

Tgt Ion:152 Resp: 265752

Ion	Ratio	Lower	Upper
152	100		
150	157.5	123.8	185.8
115	53.7	43.0	64.6

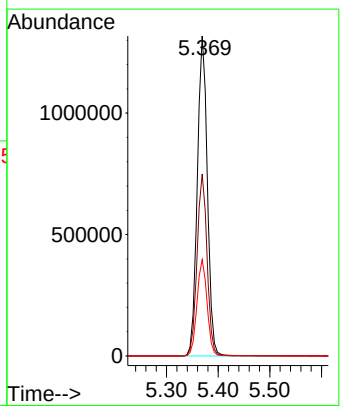


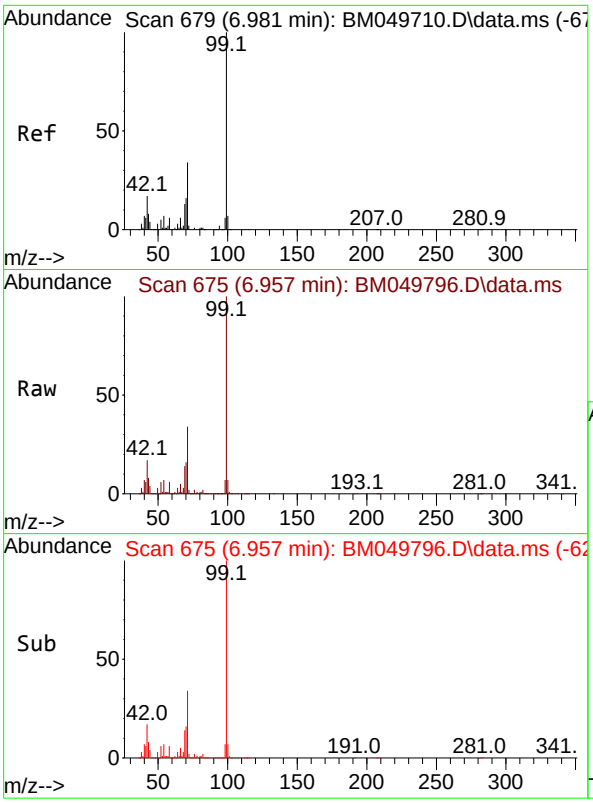


#5
2-Fluorophenol
Concen: 113.022 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Tgt Ion:112 Resp: 1780092

Ion	Ratio	Lower	Upper
112	100		
64	56.9	45.3	67.9
63	30.1	24.4	36.6



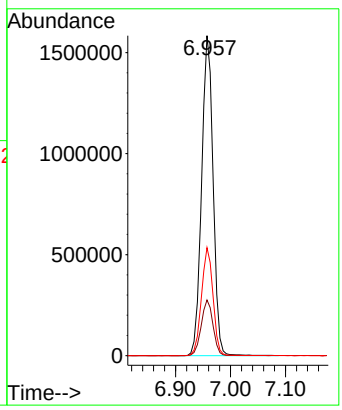


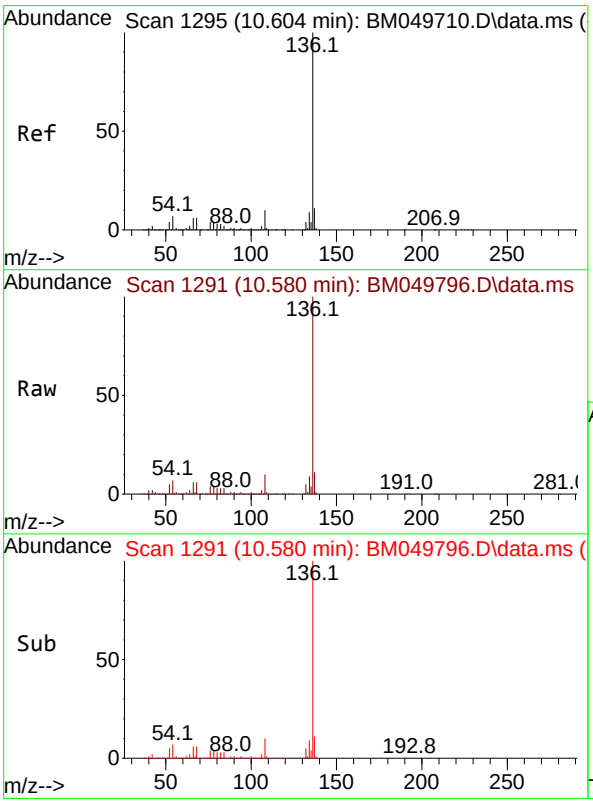
#7
Phenol-d6
Concen: 116.432 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-02RE

Tgt Ion: 99 Resp: 2301308

Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.6	20.4
71	33.7	27.0	40.6

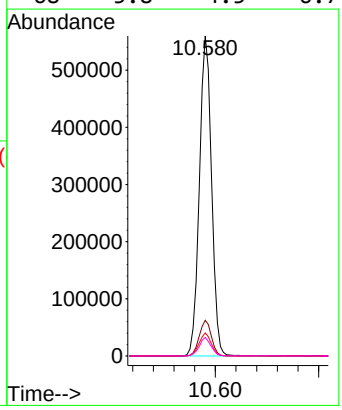


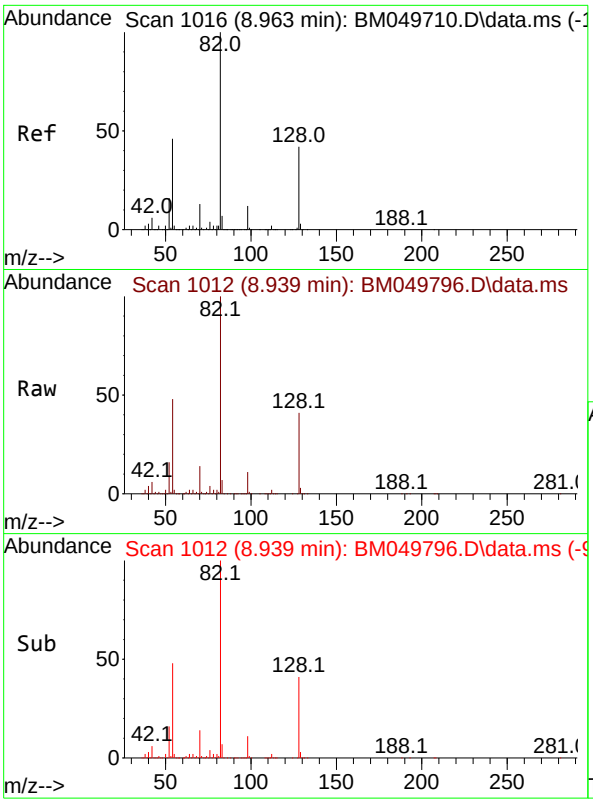


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Tgt Ion:136 Resp: 914362

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	7.2	5.8	8.8
68	5.8	4.5	6.7



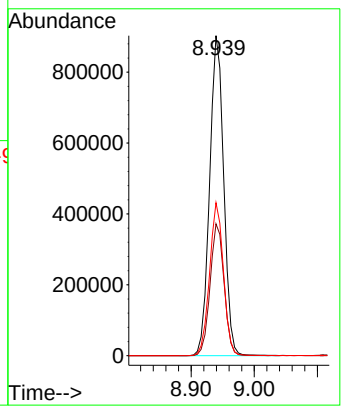


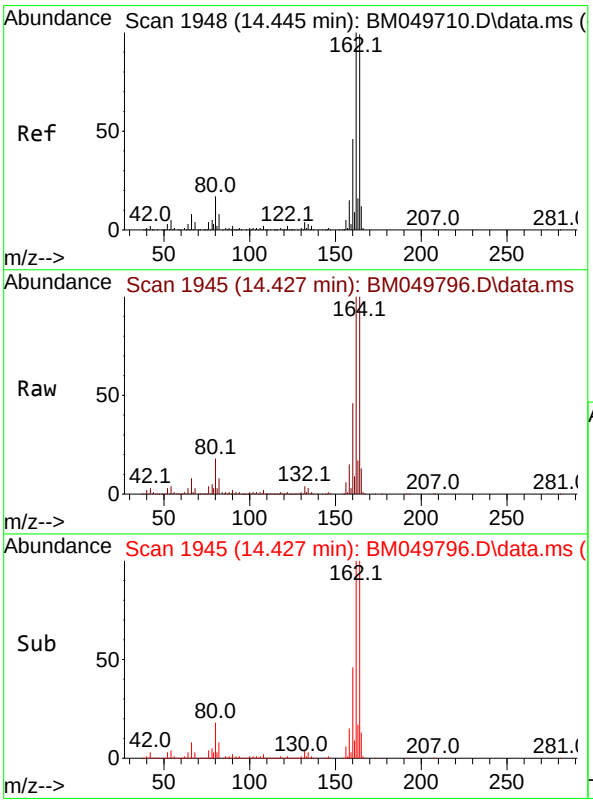
#23
Nitrobenzene-d5
Concen: 78.552 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-02RE

Tgt Ion: 82 Resp: 1398966

Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.4	50.0
54	47.8	36.4	54.6

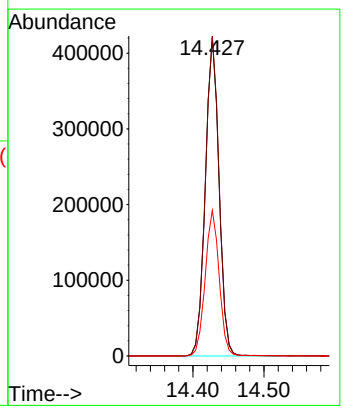


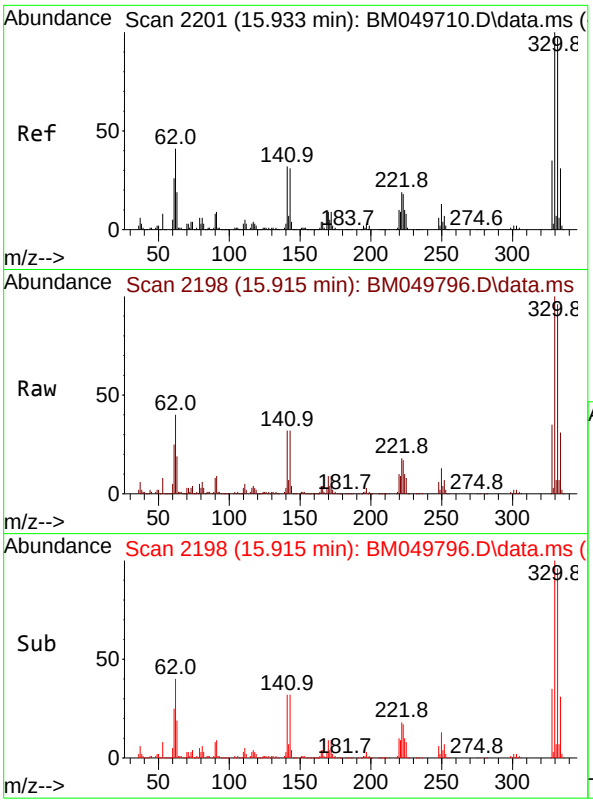


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Tgt Ion:164 Resp: 564453

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.5	120.7
160	45.7	36.9	55.3



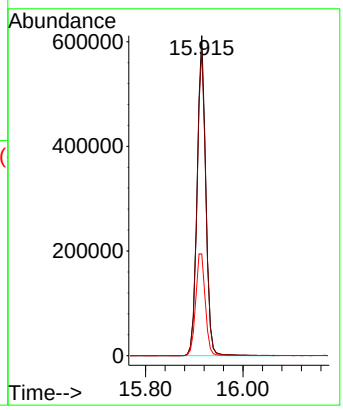


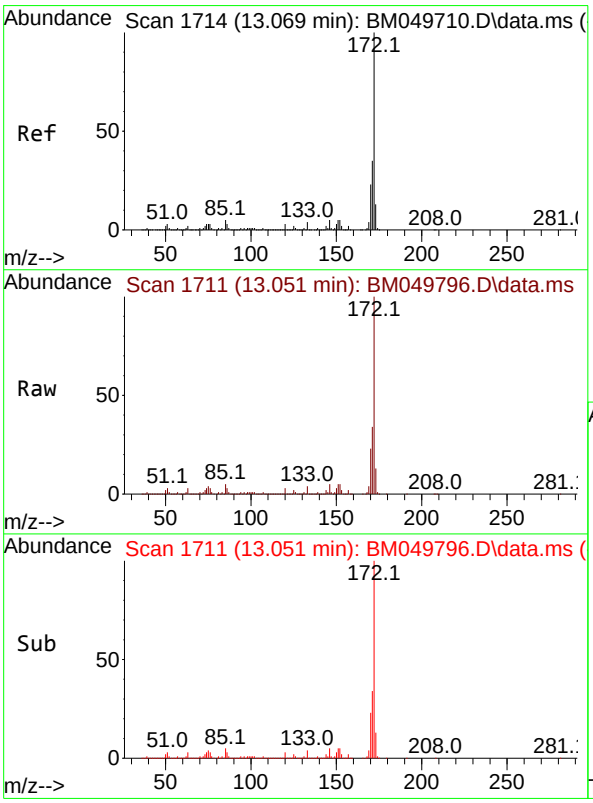
#42
2,4,6-Tribromophenol
Concen: 114.834 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-02RE

Tgt Ion:330 Resp: 756882

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.4
141	35.3	27.8	41.6

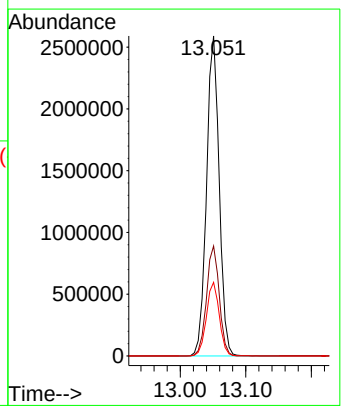


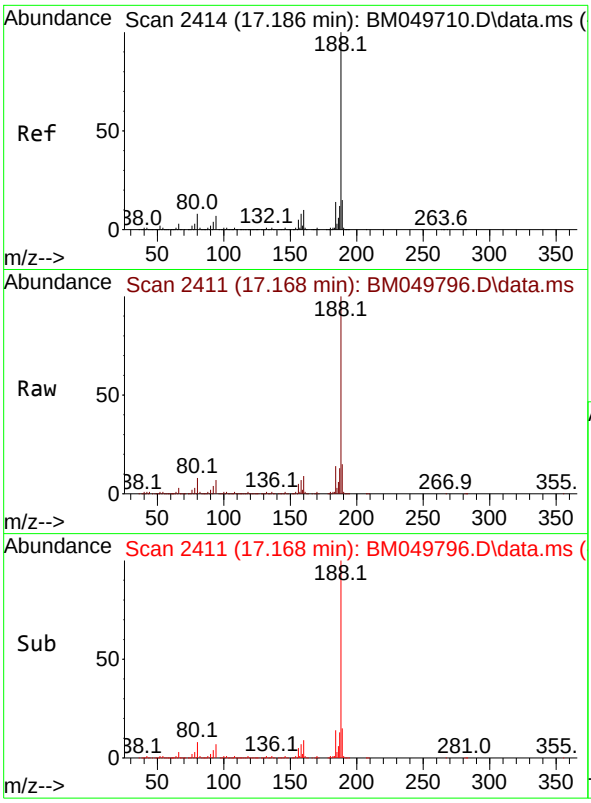


#45
2-Fluorobiphenyl
Concen: 77.148 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Tgt Ion:172 Resp: 3477117

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.9	41.9
170	23.0	18.6	28.0



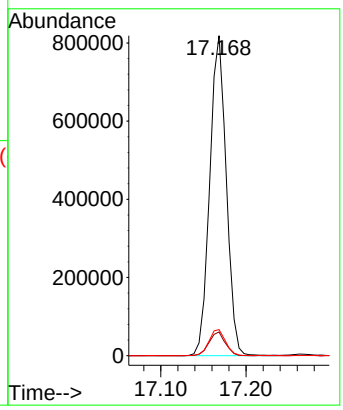


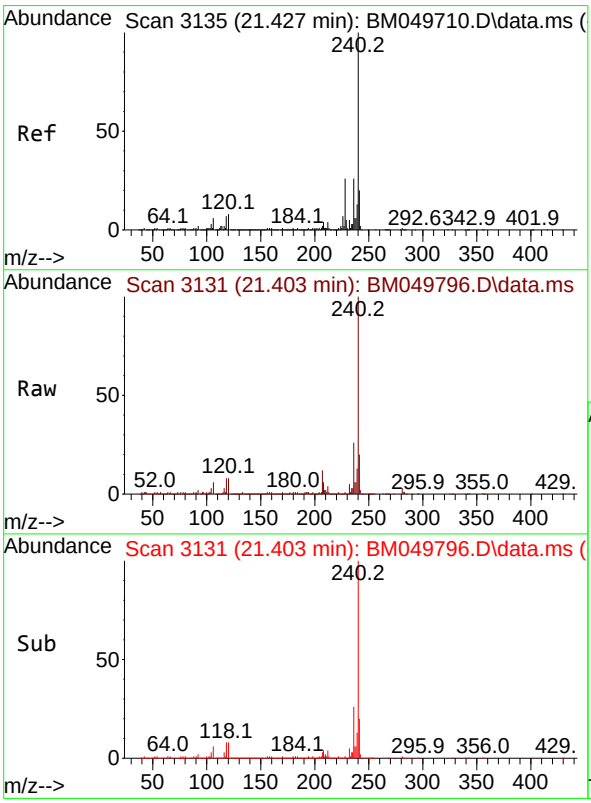
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-02RE

Tgt Ion:188 Resp: 1104038

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.6
80	8.2	6.3	9.5

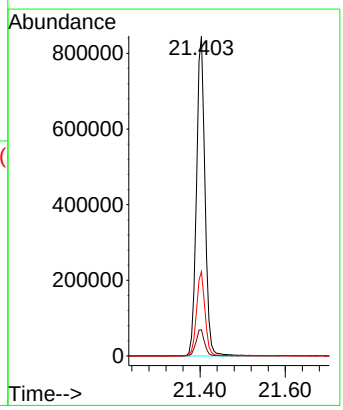


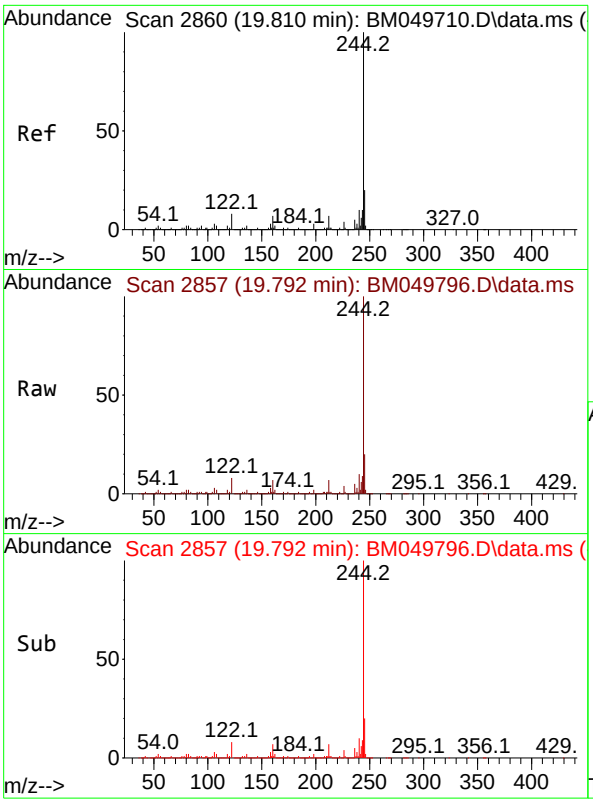


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Tgt Ion:240 Resp: 1170671

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	26.4	20.7	31.1



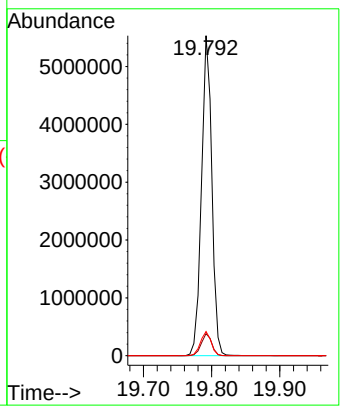


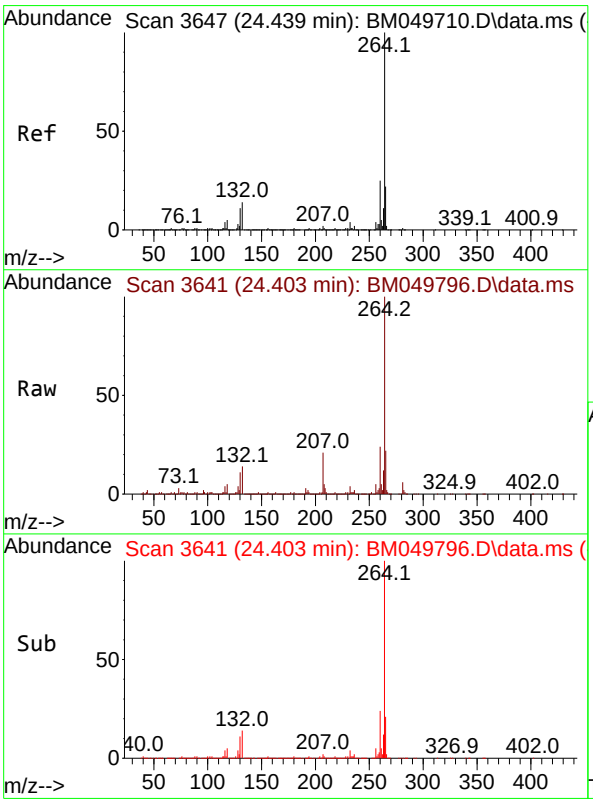
#79
Terphenyl-d14
Concen: 83.958 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-02RE

Tgt Ion:244 Resp: 5832674

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	7.6	6.0	9.0

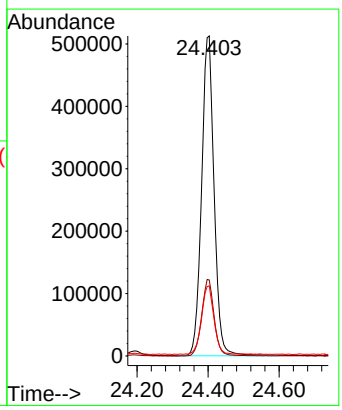




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.036 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Tgt Ion:264 Resp: 1255254

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.6	29.4
265	21.9	18.2	27.2



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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142182.D	1	03/28/25 09:40	03/31/25 15:58	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	350	ug/Kg
108-95-2	Phenol	23.6	U	23.6	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.9	U	25.9	180	ug/Kg
95-57-8	2-Chlorophenol	26.0	U	26.0	180	ug/Kg
95-48-7	2-Methylphenol	31.9	U	31.9	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.0	U	40.0	180	ug/Kg
98-86-2	Acetophenone	31.5	U	31.5	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.8	U	43.8	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.6	U	50.6	85.3	ug/Kg
67-72-1	Hexachloroethane	18.8	U	18.8	180	ug/Kg
98-95-3	Nitrobenzene	19.5	U	19.5	180	ug/Kg
78-59-1	Isophorone	35.0	UQ	35.0	180	ug/Kg
88-75-5	2-Nitrophenol	62.1	U	62.1	180	ug/Kg
105-67-9	2,4-Dimethylphenol	69.1	U	69.1	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.9	U	32.9	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.2	U	30.2	180	ug/Kg
91-20-3	Naphthalene	24.2	U	24.2	180	ug/Kg
106-47-8	4-Chloroaniline	37.8	U	37.8	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.0	UQ	27.0	180	ug/Kg
105-60-2	Caprolactam	55.6	U	55.6	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.6	U	30.6	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.3	U	27.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	UQ	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.1	U	21.1	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.0	UQ	31.0	180	ug/Kg
92-52-4	1,1-Biphenyl	23.3	U	23.3	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.0	UQ	24.0	180	ug/Kg
88-74-4	2-Nitroaniline	51.3	U	51.3	180	ug/Kg
131-11-3	Dimethylphthalate	28.9	UQ	28.9	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142182.D	1	03/28/25 09:40	03/31/25 15:58	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.8	UQ	30.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.8	UQ	35.8	180	ug/Kg
99-09-2	3-Nitroaniline	49.1	U	49.1	180	ug/Kg
83-32-9	Acenaphthene	22.7	U	22.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.2	U	24.2	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.4	UQ	53.4	180	ug/Kg
84-66-2	Diethylphthalate	30.2	U	30.2	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.5	UQ	28.5	180	ug/Kg
86-73-7	Fluorene	27.0	U	27.0	180	ug/Kg
100-01-6	4-Nitroaniline	68.5	U	68.5	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	UQ	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.1	UQ	35.1	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.7	U	29.7	180	ug/Kg
118-74-1	Hexachlorobenzene	27.0	UQ	27.0	180	ug/Kg
1912-24-9	Atrazine	36.3	U	36.3	180	ug/Kg
87-86-5	Pentachlorophenol	54.7	UQ	54.7	350	ug/Kg
85-01-8	Phenanthrene	22.3	U	22.3	180	ug/Kg
120-12-7	Anthracene	35.5	UQ	35.5	180	ug/Kg
86-74-8	Carbazole	33.3	UQ	33.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	51.1	U	51.1	180	ug/Kg
206-44-0	Fluoranthene	32.0	U	32.0	180	ug/Kg
129-00-0	Pyrene	38.4	UQ	38.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	76.2	U	76.2	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.1	UQ	39.1	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.5	UQ	24.5	180	ug/Kg
218-01-9	Chrysene	21.2	UQ	21.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63.1	U	63.1	180	ug/Kg
117-84-0	Di-n-octyl phthalate	92.6	U	92.6	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.3	U	20.3	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142182.D	1	03/28/25 09:40	03/31/25 15:58	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.9	U	23.9	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.5	UQ	31.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.0	U	31.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.2	U	29.2	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.4	U	27.4	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.3	U	27.3	180	ug/Kg
123-91-1	1,4-Dioxane	48.2	U	48.2	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.2	U	29.2	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	95.4		18 - 112	64%	SPK: 150
13127-88-3	Phenol-d6	92.8		15 - 107	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.8		18 - 107	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.3		20 - 109	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.1		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	54.5		10 - 105	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	102000	6.863			
1146-65-2	Naphthalene-d8	395000	8.145			
15067-26-2	Acenaphthene-d10	204000	9.904			
1517-22-2	Phenanthrene-d10	307000	11.392			
1719-03-5	Chrysene-d12	235000	14.033			
1520-96-3	Perylene-d12	291000	15.51			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1300	JB		2.13	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB		5.08	ug/Kg
000119-61-9	Benzophenone	130	J		10.6	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	210	J		13.9	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142182.D	1	03/28/25 09:40	03/31/25 15:58	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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_F\Data\BF033125\
Data File : BF142182.D
Acq On : 31 Mar 2025 15:58
Operator : RC/JU
Sample : Q1664-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

Quant Time: Mar 31 16:41:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	101697	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	394826	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	204068	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	307039m	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	235202	20.000	ng	0.00
86) Perylene-d12	15.510	264	291072	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	581032	95.354	ng	-0.01
7) Phenol-d6	6.487	99	719822	92.781	ng	-0.02
23) Nitrobenzene-d5	7.428	82	461513	65.781	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	215148	83.105	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	970023	72.291	ng	-0.02
79) Terphenyl-d14	12.974	244	867531	54.532	ng	-0.01
Target Compounds						Qvalue

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

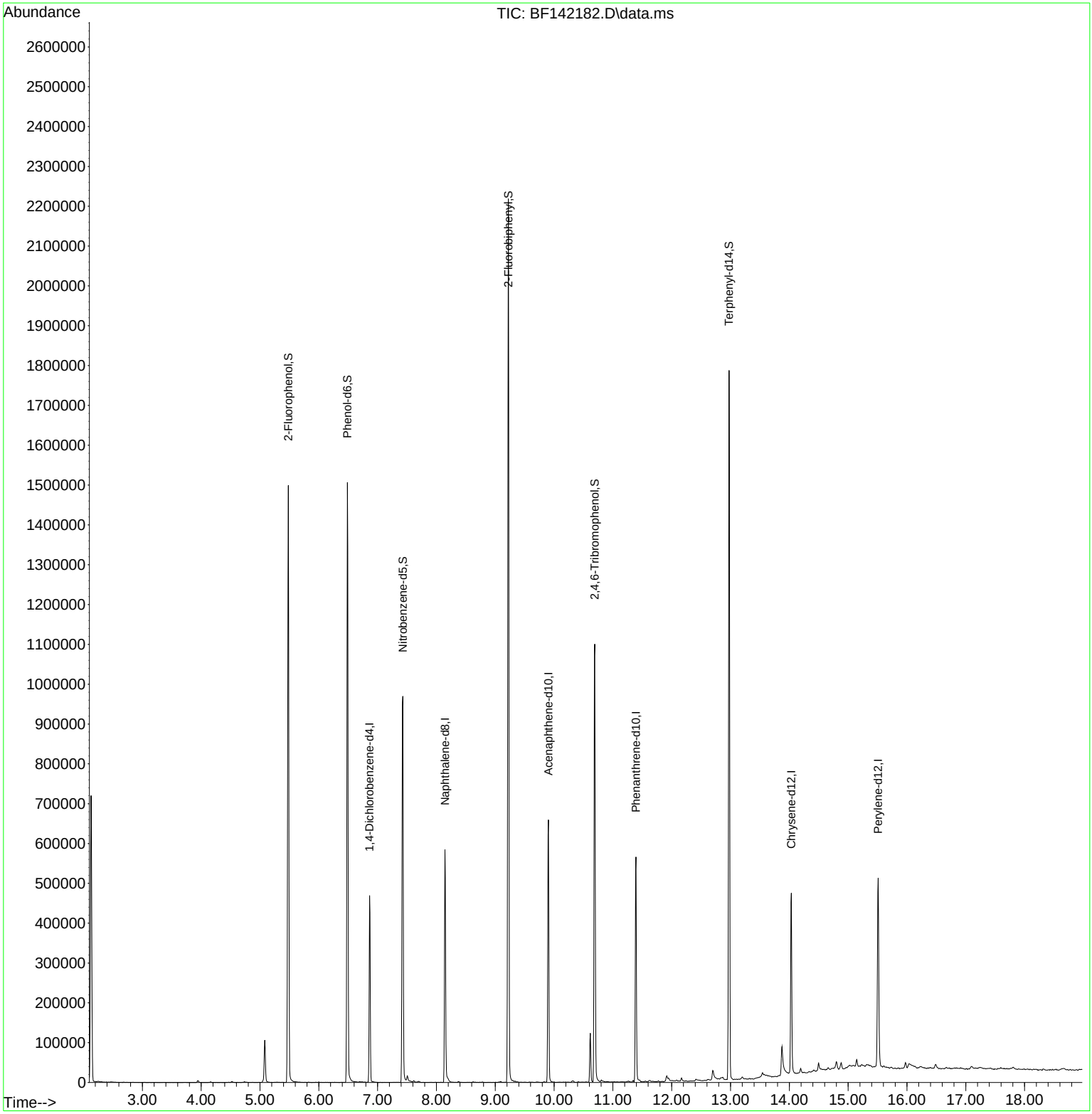
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142182.D
Acq On : 31 Mar 2025 15:58
Operator : RC/JU
Sample : Q1664-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

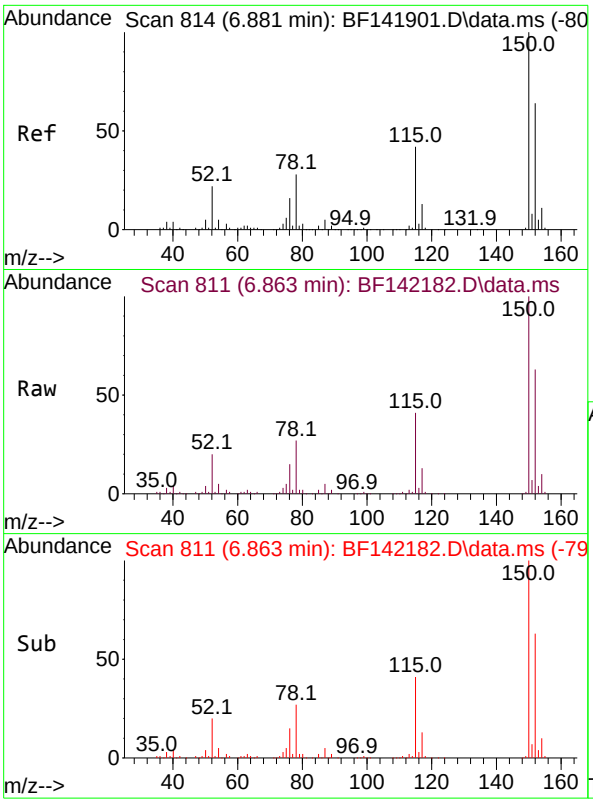
Quant Time: Mar 31 16:41:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

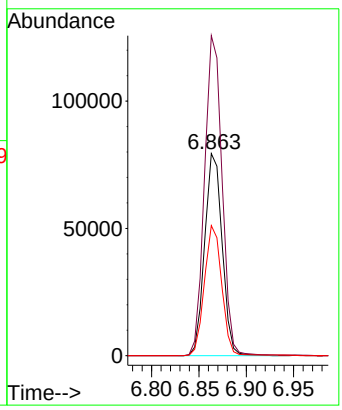




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion:152 Resp: 10169

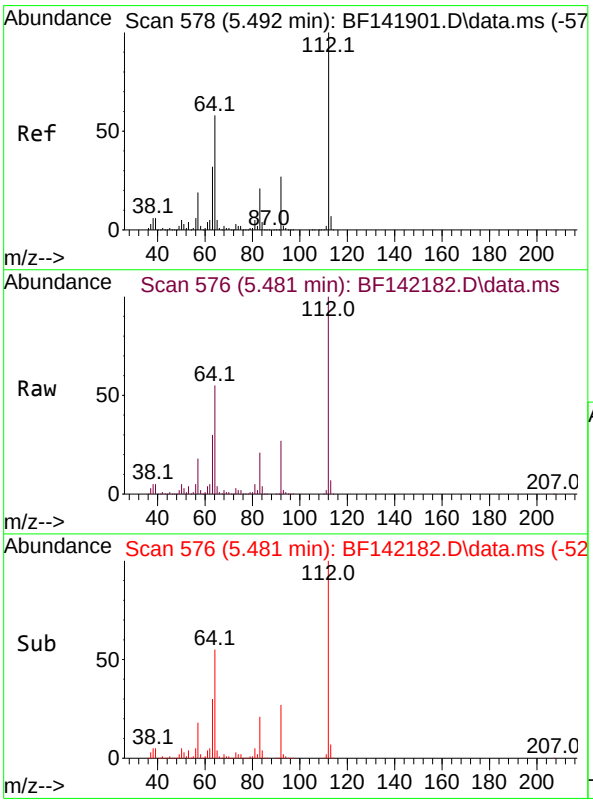
Ion	Ratio	Lower	Upper
152	100		
150	158.4	127.4	191.2
115	64.4	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

Manual Integrations
APPROVED

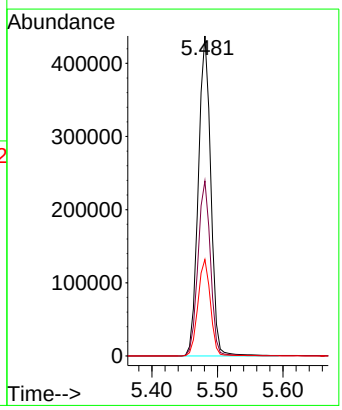
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

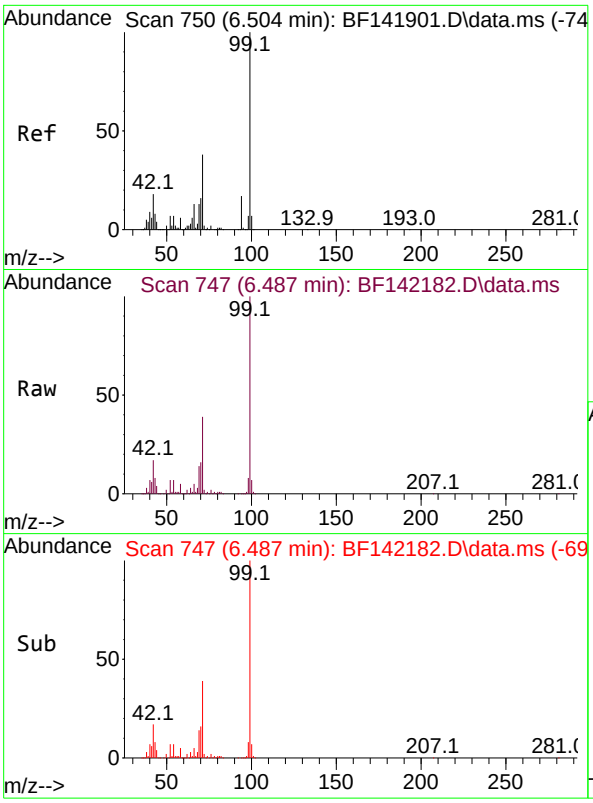


#5
2-Fluorophenol
Concen: 95.354 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion:112 Resp: 581032

Ion	Ratio	Lower	Upper
112	100		
64	54.7	46.5	69.7
63	30.1	25.4	38.2

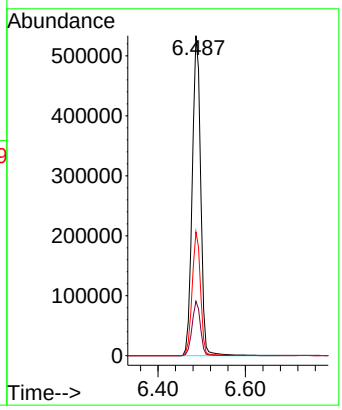




#7
Phenol-d6
Concen: 92.781 ng
RT: 6.487 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion: 99 Resp: 71982

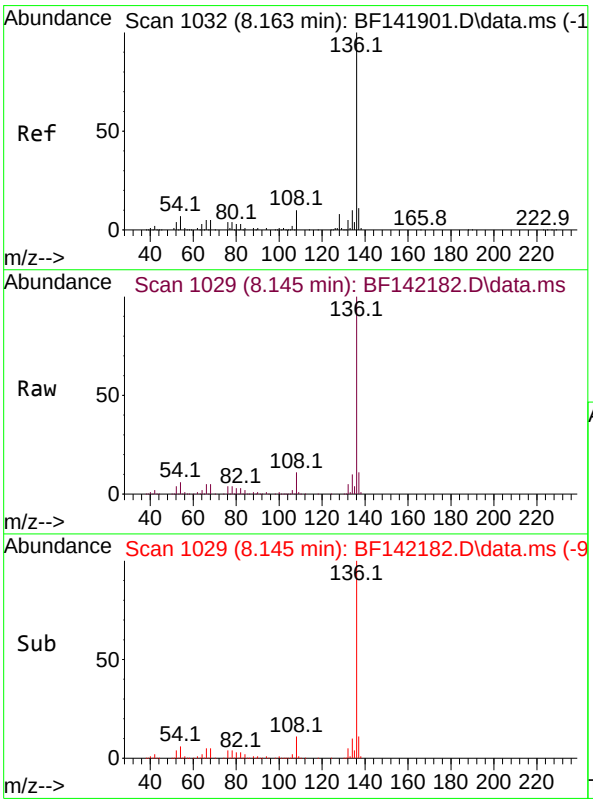
Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.6	21.8
71	38.7	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

Manual Integrations APPROVED

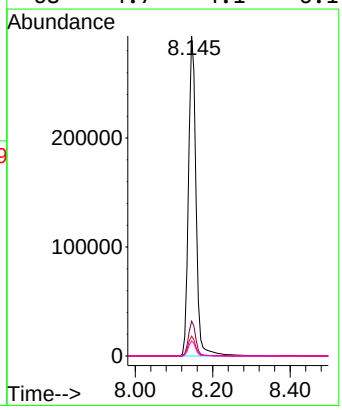
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

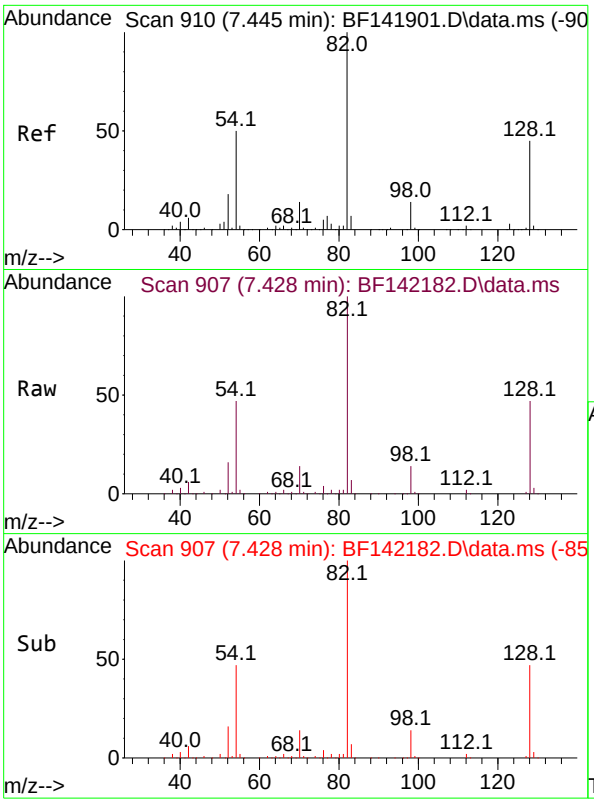


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion:136 Resp: 394826

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.2	5.8	8.8
68	4.7	4.1	6.1

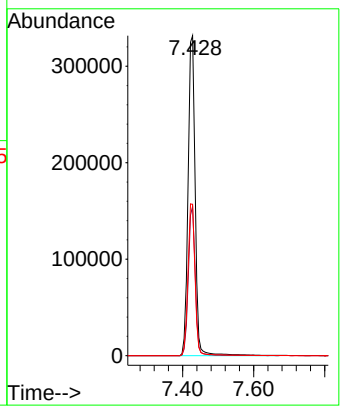




#23
Nitrobenzene-d5
Concen: 65.781 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion: 82 Resp: 46151

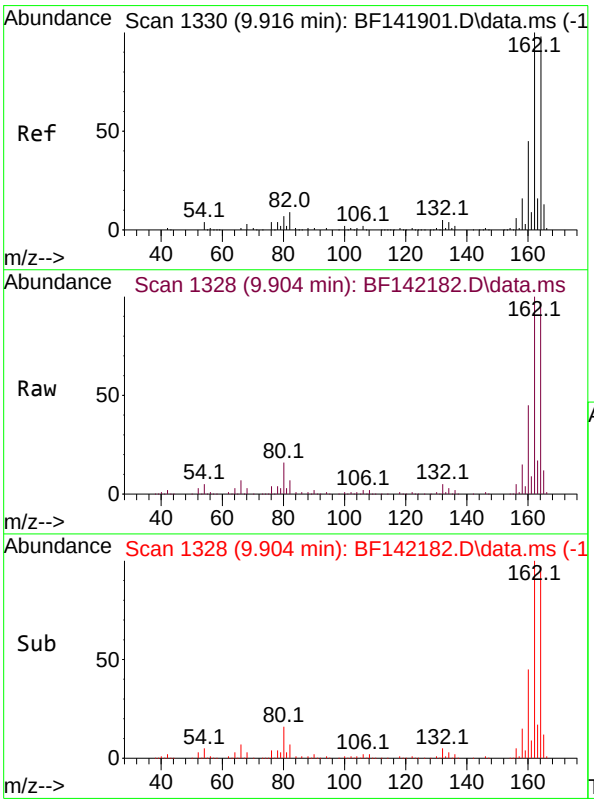
Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.0	54.0
54	47.2	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

Manual Integrations
APPROVED

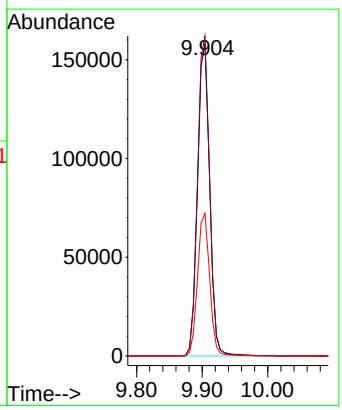
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

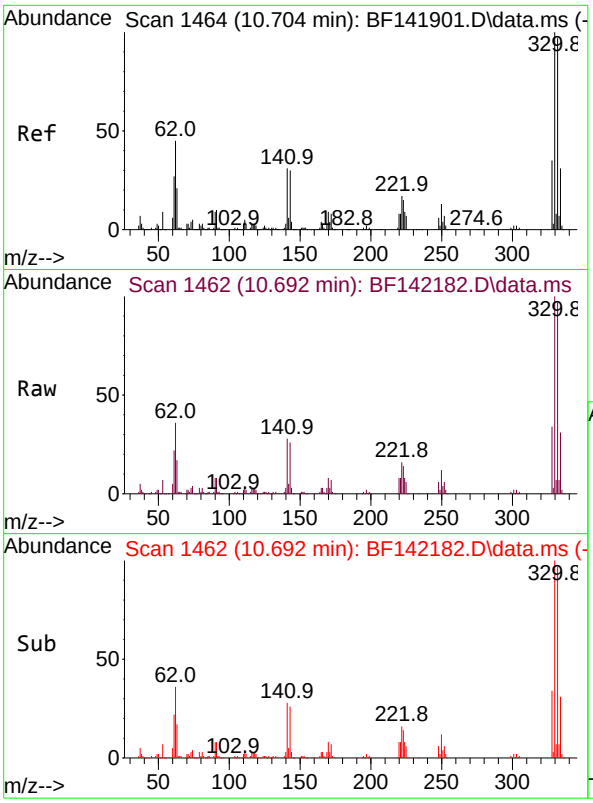


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion:164 Resp: 204068

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.8	122.6
160	45.7	36.7	55.1

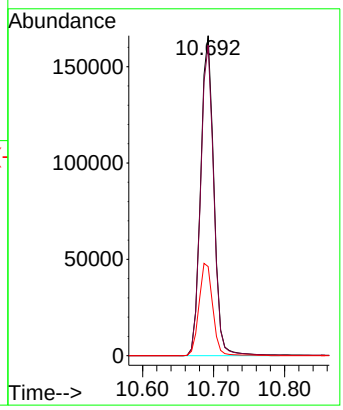




#42
2,4,6-Tribromophenol
Concen: 83.105 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion:330 Resp: 21514

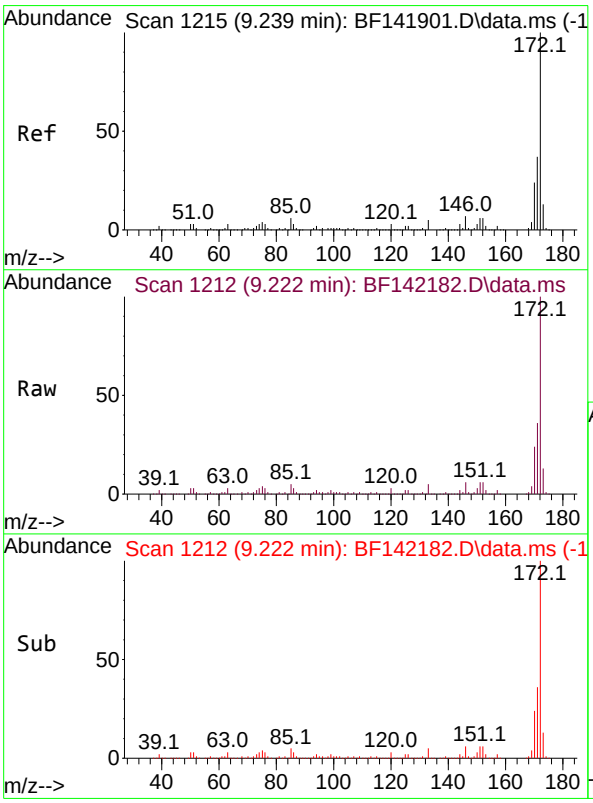
Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.6	116.4
141	30.1	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

Manual Integrations
APPROVED

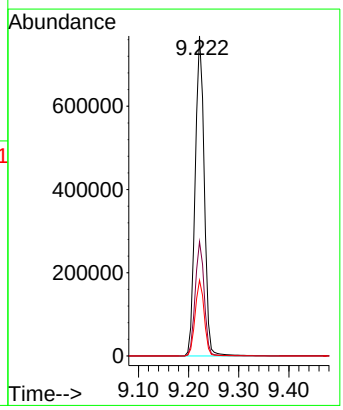
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

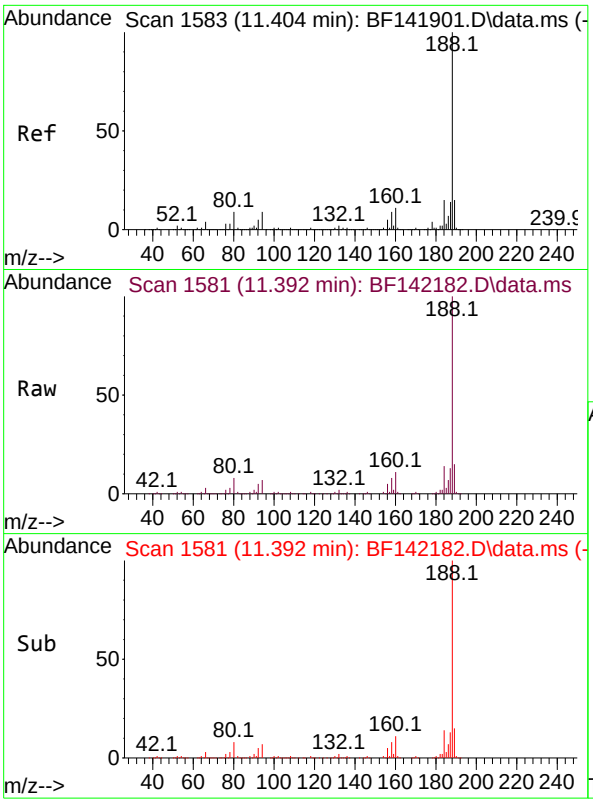


#45
2-Fluorobiphenyl
Concen: 72.291 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion:172 Resp: 970023

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.3	43.9
170	23.6	19.4	29.0

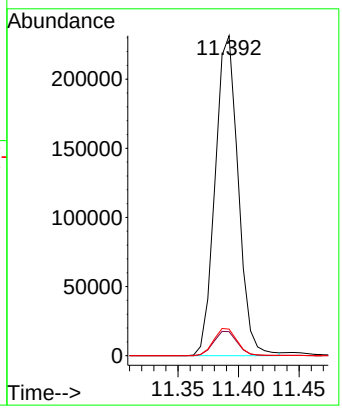




#64
Phenanthrene-d10
Concen: 20.000 ng m
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion:188 Resp: 30703

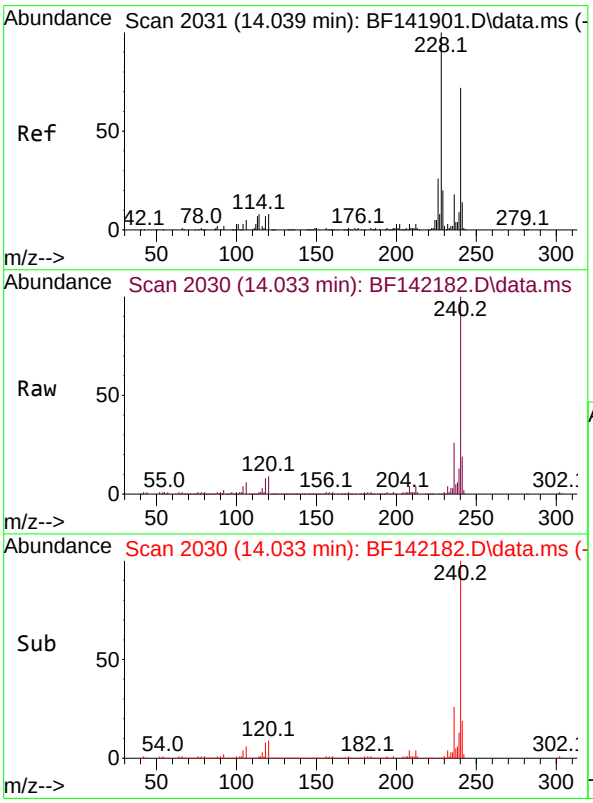
Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.8	10.2
80	8.3	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

Manual Integrations
APPROVED

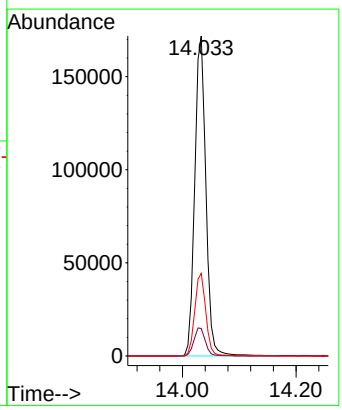
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

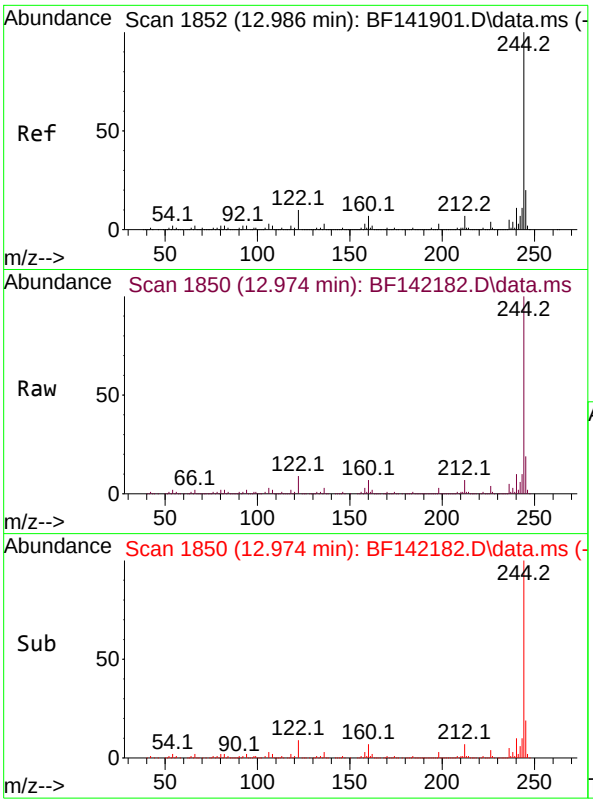


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion:240 Resp: 235202

Ion	Ratio	Lower	Upper
240	100		
120	8.6	8.4	12.6
236	25.8	20.5	30.7

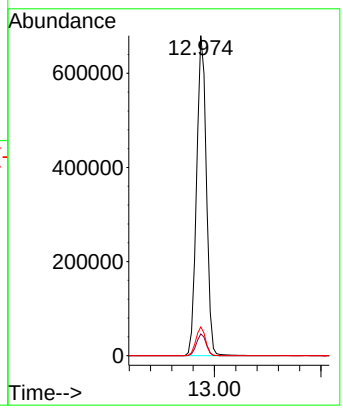




#79
Terphenyl-d14
Concen: 54.532 ng
RT: 12.974 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion:244 Resp: 86753

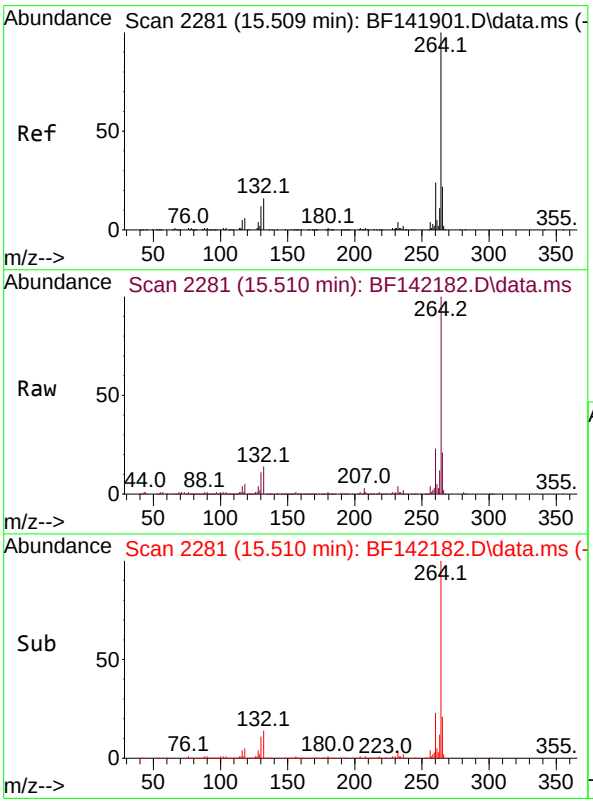
Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	9.0	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

Manual Integrations
APPROVED

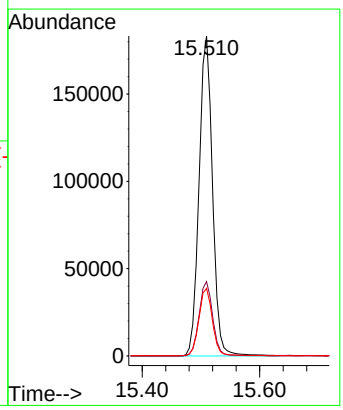
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142182.D
Acq: 31 Mar 2025 15:58

Tgt Ion:264 Resp: 291072

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.1	28.7
265	21.2	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142182.D
Acq On : 31 Mar 2025 15:58
Operator : RC/JU
Sample : Q1664-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142182.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	6	22	rVB	718306	1051929	37.94%	5.875%
2	5.081	498	508	524	rBV	106053	165103	5.95%	0.922%
3	5.481	570	576	594	rBV	1498672	1991108	71.81%	11.120%
4	6.487	741	747	770	rBV	1506648	2032738	73.31%	11.353%
5	6.863	806	811	820	rBV	468987	592687	21.37%	3.310%
6	7.428	901	907	916	rBV	969531	1319759	47.60%	7.371%
7	8.145	1024	1029	1047	rBV	584026	779489	28.11%	4.353%
8	9.222	1206	1212	1223	rBV	2218024	2772841	100.00%	15.486%
9	9.904	1322	1328	1341	rVB	658229	849774	30.65%	4.746%
10	10.616	1444	1449	1456	rBV	122743	156311	5.64%	0.873%
11	10.692	1456	1462	1478	rVV	1099041	1480836	53.41%	8.270%
12	11.392	1575	1581	1589	rBV	564910	753303	27.17%	4.207%
13	12.698	1796	1803	1816	rBV3	24309	65246	2.35%	0.364%
14	12.974	1845	1850	1863	rVB	1780846	2263289	81.62%	12.640%
15	13.874	1997	2003	2020	rBV2	72901	190913	6.89%	1.066%
16	14.033	2024	2030	2040	rVB	452510	634179	22.87%	3.542%
17	14.498	2105	2109	2115	rBV2	18090	30407	1.10%	0.170%
18	15.510	2275	2281	2294	rVB	475084	775401	27.96%	4.331%

Sum of corrected areas: 17905313

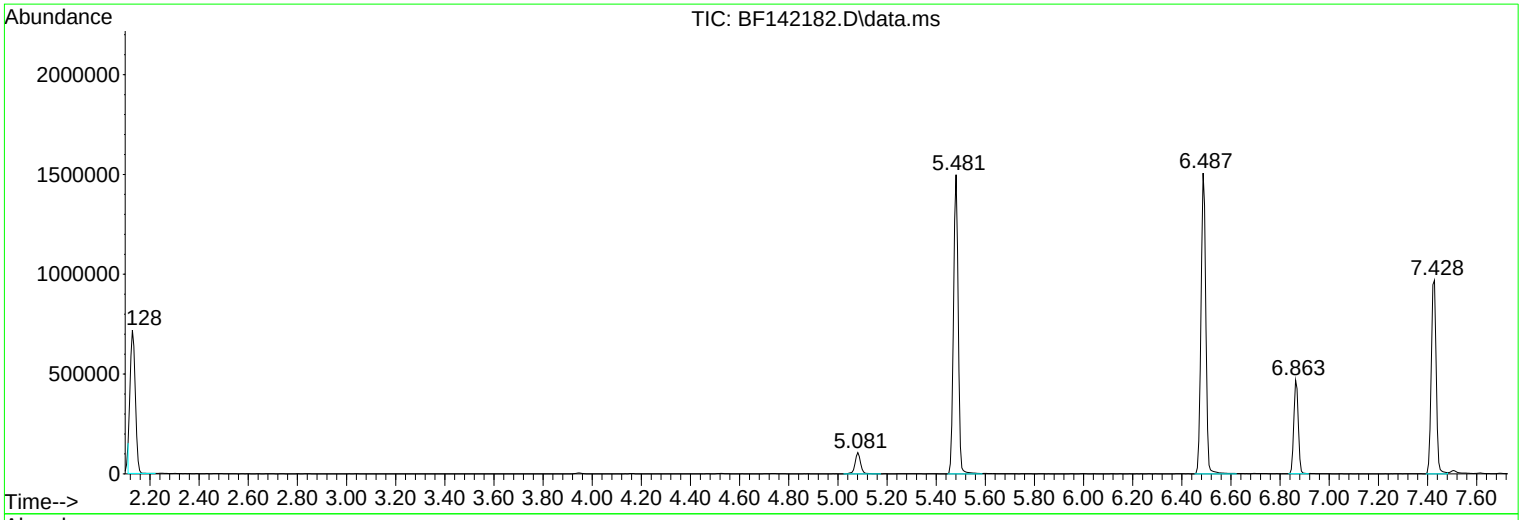
Sample Results: **BF142182.D**

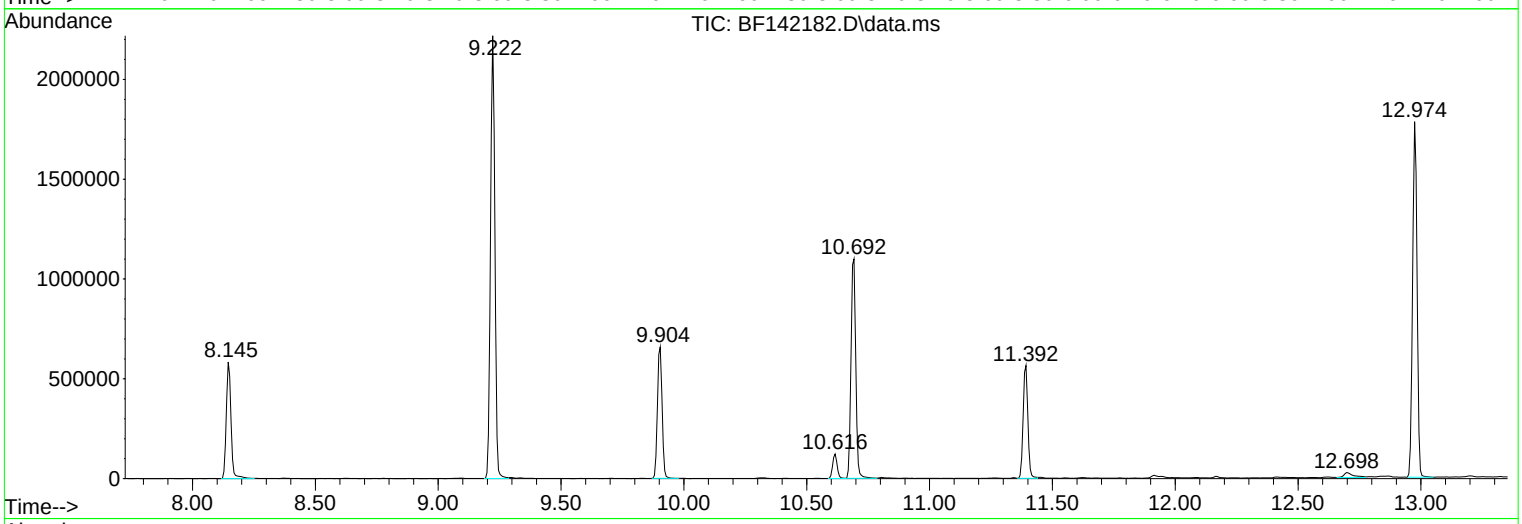
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142182.D
Acq On : 31 Mar 2025 15:58
Operator : RC/JU
Sample : Q1664-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

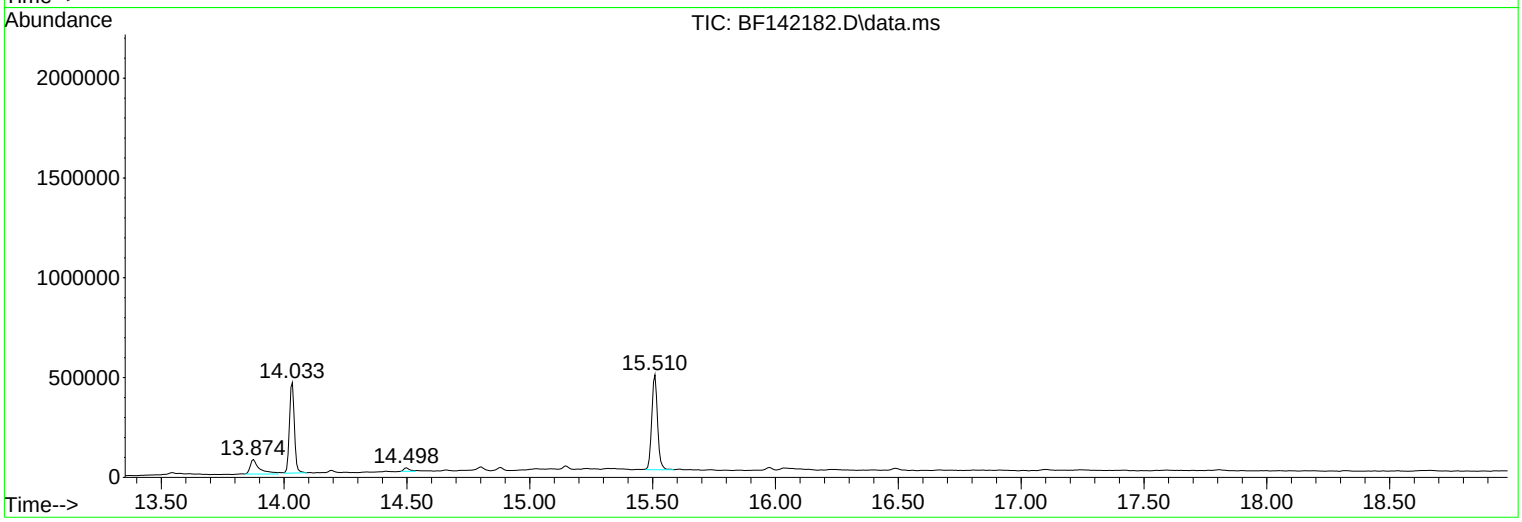
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142182.D
Acq On : 31 Mar 2025 15:58
Operator : RC/JU
Sample : Q1664-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

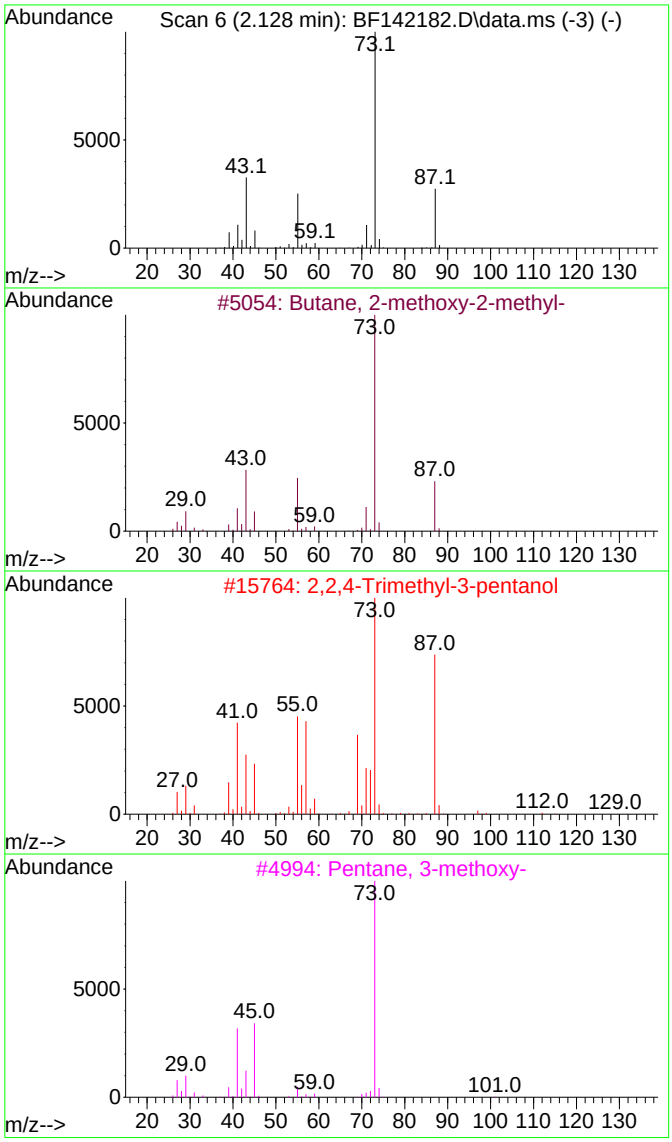
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

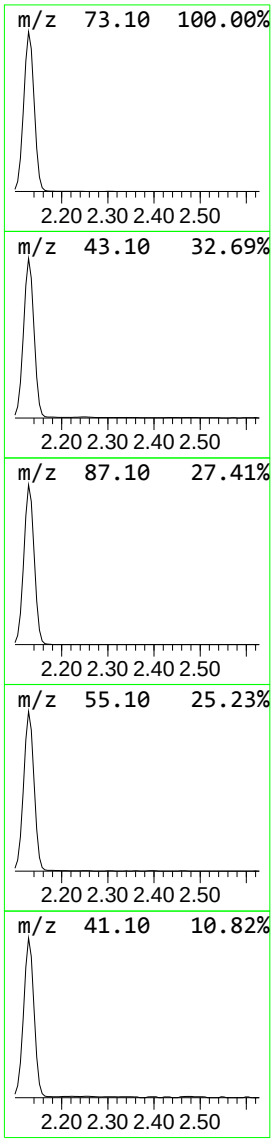
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	35.50 ng	1051930	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142182.D
Acq On : 31 Mar 2025 15:58
Operator : RC/JU
Sample : Q1664-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

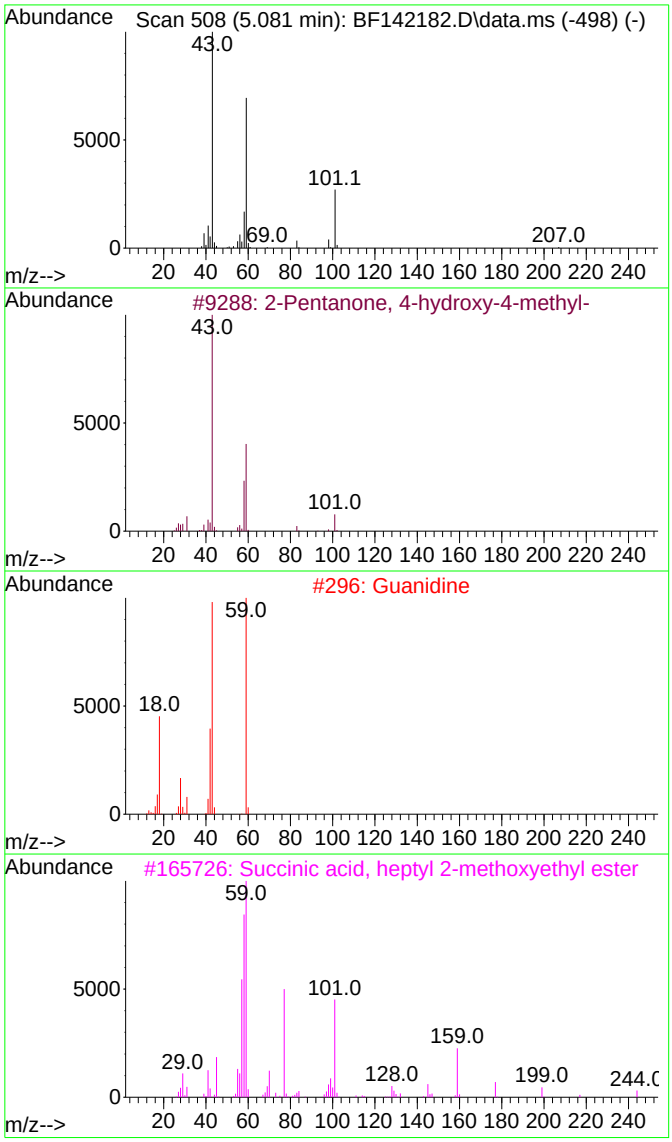
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

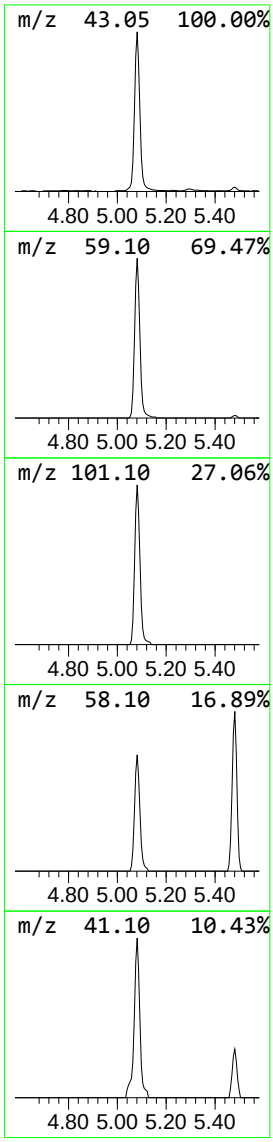
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	5.57 ng	165103	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Guanidine	59	CH5N3	000113-00-8	43
3	Succinic acid, heptyl 2-methoxye...	274	C14H26O5	1000325-80-7	28
4	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	25
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142182.D
Acq On    : 31 Mar 2025  15:58
Operator  : RC/JU
Sample    : Q1664-09
Misc      :
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

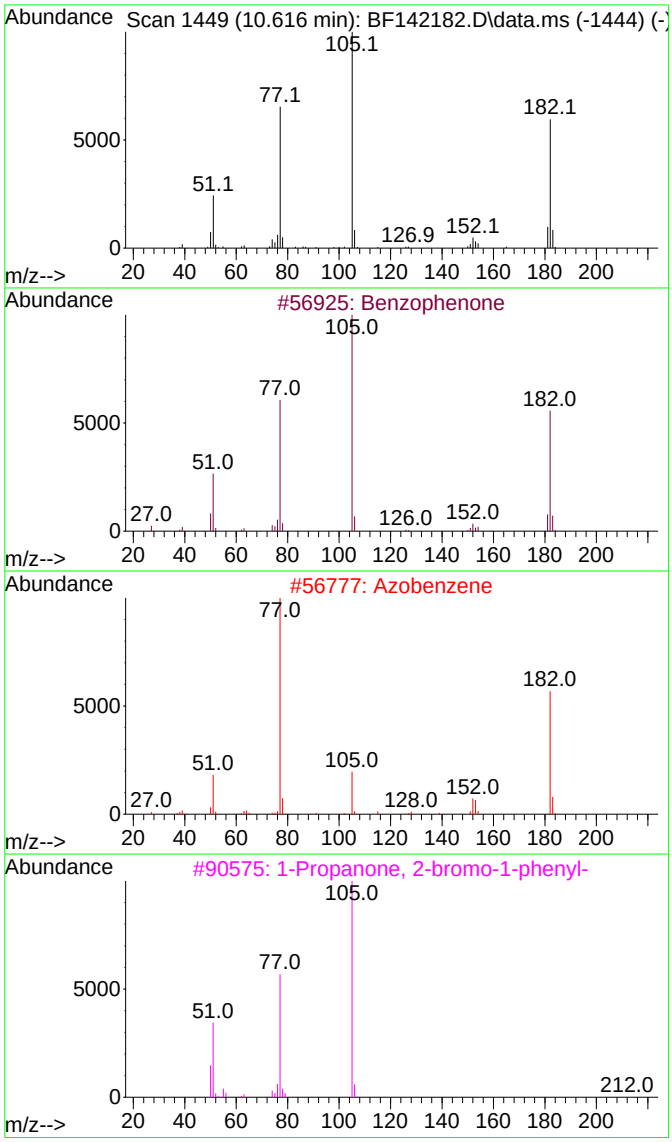
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

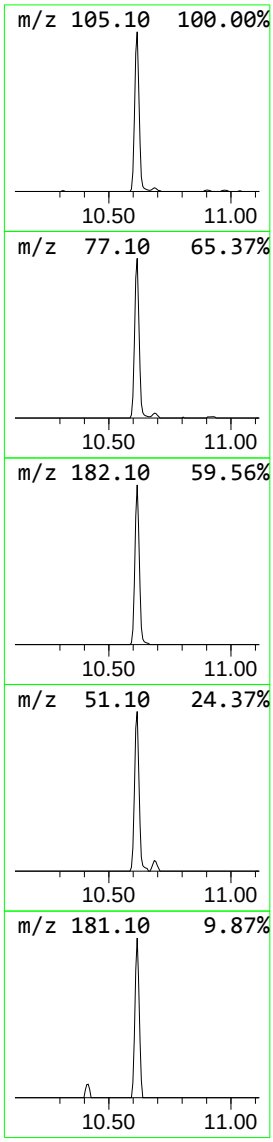
****

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	3.68 ng	156311	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	47
3	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
4	Vinyl benzoate	148	C9H8O2	000769-78-8	47
5	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142182.D
Acq On : 31 Mar 2025 15:58
Operator : RC/JU
Sample : Q1664-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

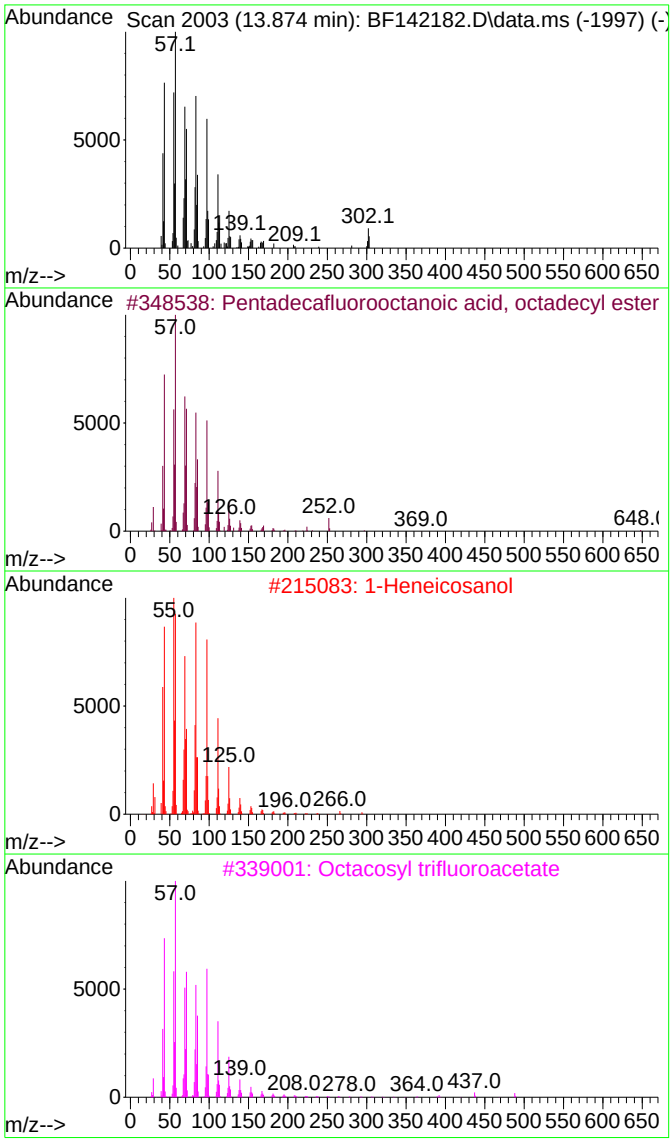
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

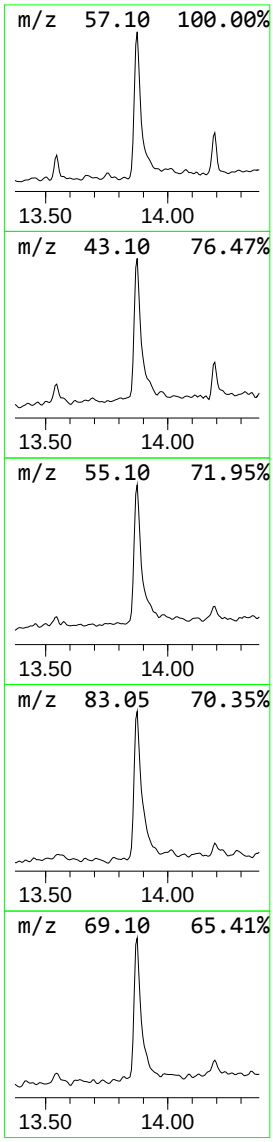
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentadecafluorooctanoic aci... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	6.02 ng	190913	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	93
2	1-Heneicosanol	312	C21H44O	015594-90-8	93
3	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	93
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
5	1-Hexacosene	364	C26H52	018835-33-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142182.D
Acq On : 31 Mar 2025 15:58
Operator : RC/JU
Sample : Q1664-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-002-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.128	35.5	ng	1051930	1	6.863	592687	20.0
2-Pentanone, 4-...	5.081	5.6	ng	165103	1	6.863	592687	20.0
Benzophenone	10.616	3.7	ng	156311	3	9.904	849774	20.0
Pentadecafluoro...	13.874	6.0	ng	190913	5	14.033	634179	20.0

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01RE	SDG No.:	Q1664
Lab Sample ID:	Q1664-09RE	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049793.D	1	03/28/25 09:40	04/02/25 16:43	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	350	ug/Kg
108-95-2	Phenol	23.6	U	23.6	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.9	U	25.9	180	ug/Kg
95-57-8	2-Chlorophenol	26.0	U	26.0	180	ug/Kg
95-48-7	2-Methylphenol	31.9	U	31.9	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.0	U	40.0	180	ug/Kg
98-86-2	Acetophenone	31.5	U	31.5	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.8	U	43.8	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.6	U	50.6	85.3	ug/Kg
67-72-1	Hexachloroethane	18.8	U	18.8	180	ug/Kg
98-95-3	Nitrobenzene	19.5	U	19.5	180	ug/Kg
78-59-1	Isophorone	35.0	UQ	35.0	180	ug/Kg
88-75-5	2-Nitrophenol	62.1	U	62.1	180	ug/Kg
105-67-9	2,4-Dimethylphenol	69.1	U	69.1	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.9	U	32.9	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.2	U	30.2	180	ug/Kg
91-20-3	Naphthalene	24.2	U	24.2	180	ug/Kg
106-47-8	4-Chloroaniline	37.8	U	37.8	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.0	UQ	27.0	180	ug/Kg
105-60-2	Caprolactam	55.6	U	55.6	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.6	U	30.6	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.3	U	27.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	UQ	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.1	U	21.1	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.0	UQ	31.0	180	ug/Kg
92-52-4	1,1-Biphenyl	23.3	U	23.3	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.0	UQ	24.0	180	ug/Kg
88-74-4	2-Nitroaniline	51.3	U	51.3	180	ug/Kg
131-11-3	Dimethylphthalate	28.9	UQ	28.9	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01RE	SDG No.:	Q1664
Lab Sample ID:	Q1664-09RE	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049793.D	1	03/28/25 09:40	04/02/25 16:43	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.8	UQ	30.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.8	UQ	35.8	180	ug/Kg
99-09-2	3-Nitroaniline	49.1	U	49.1	180	ug/Kg
83-32-9	Acenaphthene	22.7	U	22.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.2	U	24.2	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.4	UQ	53.4	180	ug/Kg
84-66-2	Diethylphthalate	30.2	U	30.2	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.5	UQ	28.5	180	ug/Kg
86-73-7	Fluorene	27.0	U	27.0	180	ug/Kg
100-01-6	4-Nitroaniline	68.5	U	68.5	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	UQ	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.1	UQ	35.1	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.7	U	29.7	180	ug/Kg
118-74-1	Hexachlorobenzene	27.0	UQ	27.0	180	ug/Kg
1912-24-9	Atrazine	36.3	U	36.3	180	ug/Kg
87-86-5	Pentachlorophenol	54.7	UQ	54.7	350	ug/Kg
85-01-8	Phenanthrene	22.3	U	22.3	180	ug/Kg
120-12-7	Anthracene	35.5	UQ	35.5	180	ug/Kg
86-74-8	Carbazole	33.3	UQ	33.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	51.1	U	51.1	180	ug/Kg
206-44-0	Fluoranthene	32.0	U	32.0	180	ug/Kg
129-00-0	Pyrene	38.4	UQ	38.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	76.2	U	76.2	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.1	UQ	39.1	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.5	UQ	24.5	180	ug/Kg
218-01-9	Chrysene	21.2	UQ	21.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63.1	U	63.1	180	ug/Kg
117-84-0	Di-n-octyl phthalate	92.6	U	92.6	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.3	U	20.3	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-002-01RE	SDG No.:	Q1664
Lab Sample ID:	Q1664-09RE	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049793.D	1	03/28/25 09:40	04/02/25 16:43	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.9	U	23.9	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.5	UQ	31.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.0	U	31.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.2	U	29.2	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.4	U	27.4	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.3	U	27.3	180	ug/Kg
123-91-1	1,4-Dioxane	48.2	U	48.2	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.2	U	29.2	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	100		18 - 112	67%	SPK: 150
13127-88-3	Phenol-d6	103		15 - 107	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.1		18 - 107	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.7		20 - 109	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	113		10 - 116	75%	SPK: 150
1718-51-0	Terphenyl-d14	71.7		10 - 105	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	265000	7.787			
1146-65-2	Naphthalene-d8	911000	10.581			
15067-26-2	Acenaphthene-d10	584000	14.427			
1517-22-2	Phenanthrene-d10	1160000	17.168			
1719-03-5	Chrysene-d12	1250000	21.403			
1520-96-3	Perylene-d12	1280000	24.397			

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\BM040225\
Data File : BM049793.D
Acq On : 02 Apr 2025 16:43
Operator : RC/JU
Sample : Q1664-09RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-002-01RE

Quant Time: Apr 02 18:16:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

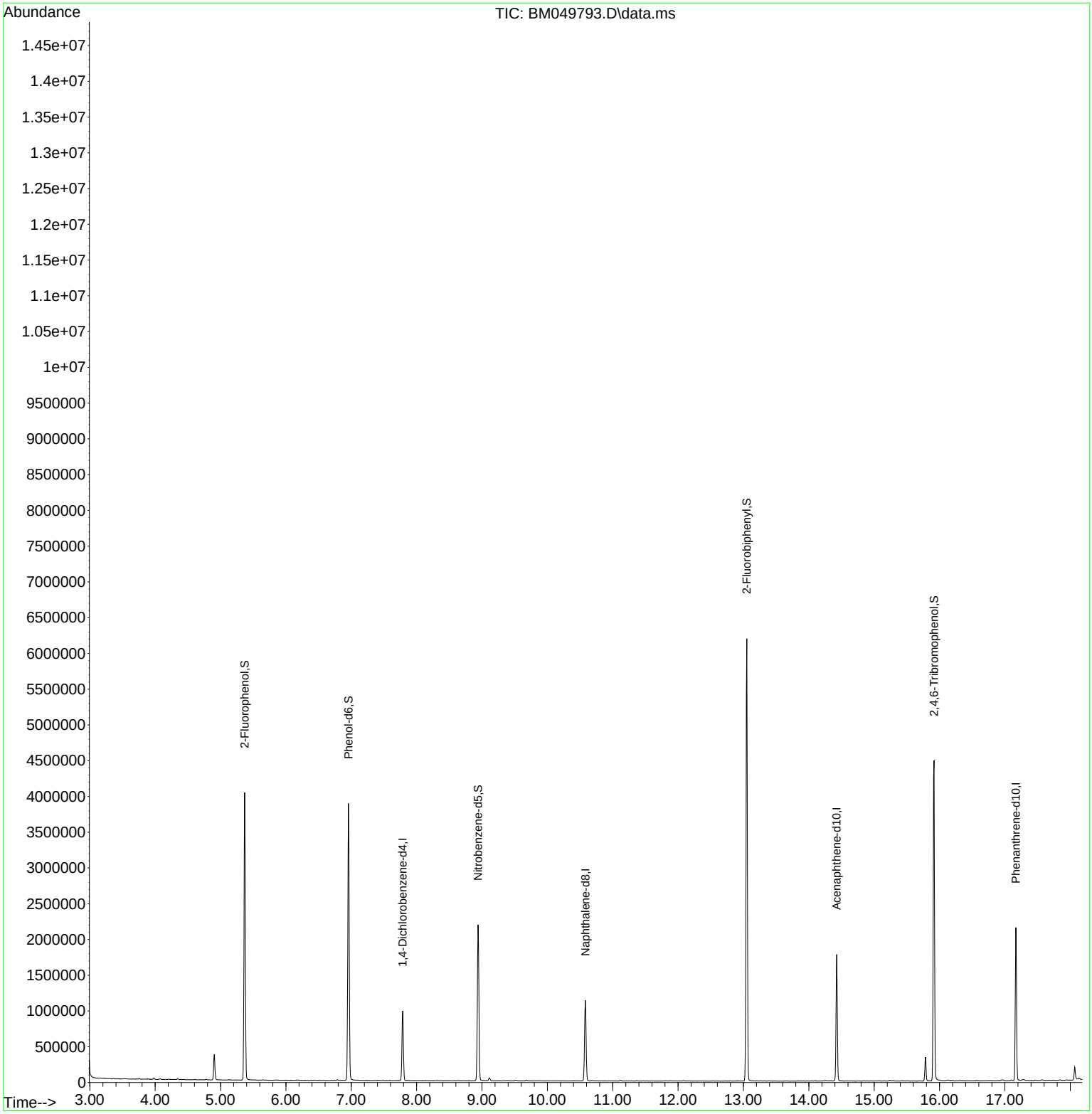
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	264655	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	911013	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	584281	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1161738	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1251607	20.000	ng	-0.02
86) Perylene-d12	24.397	264	1282226	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1576295	100.498	ng	-0.02
7) Phenol-d6	6.957	99	2025949	102.925	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1207984	68.078	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	771113	113.023	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	3020020	64.733	ng	-0.02
79) Terphenyl-d14	19.792	244	5328314	71.739	ng	-0.02
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049793.D
Acq On : 02 Apr 2025 16:43
Operator : RC/JU
Sample : Q1664-09RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-002-01RE

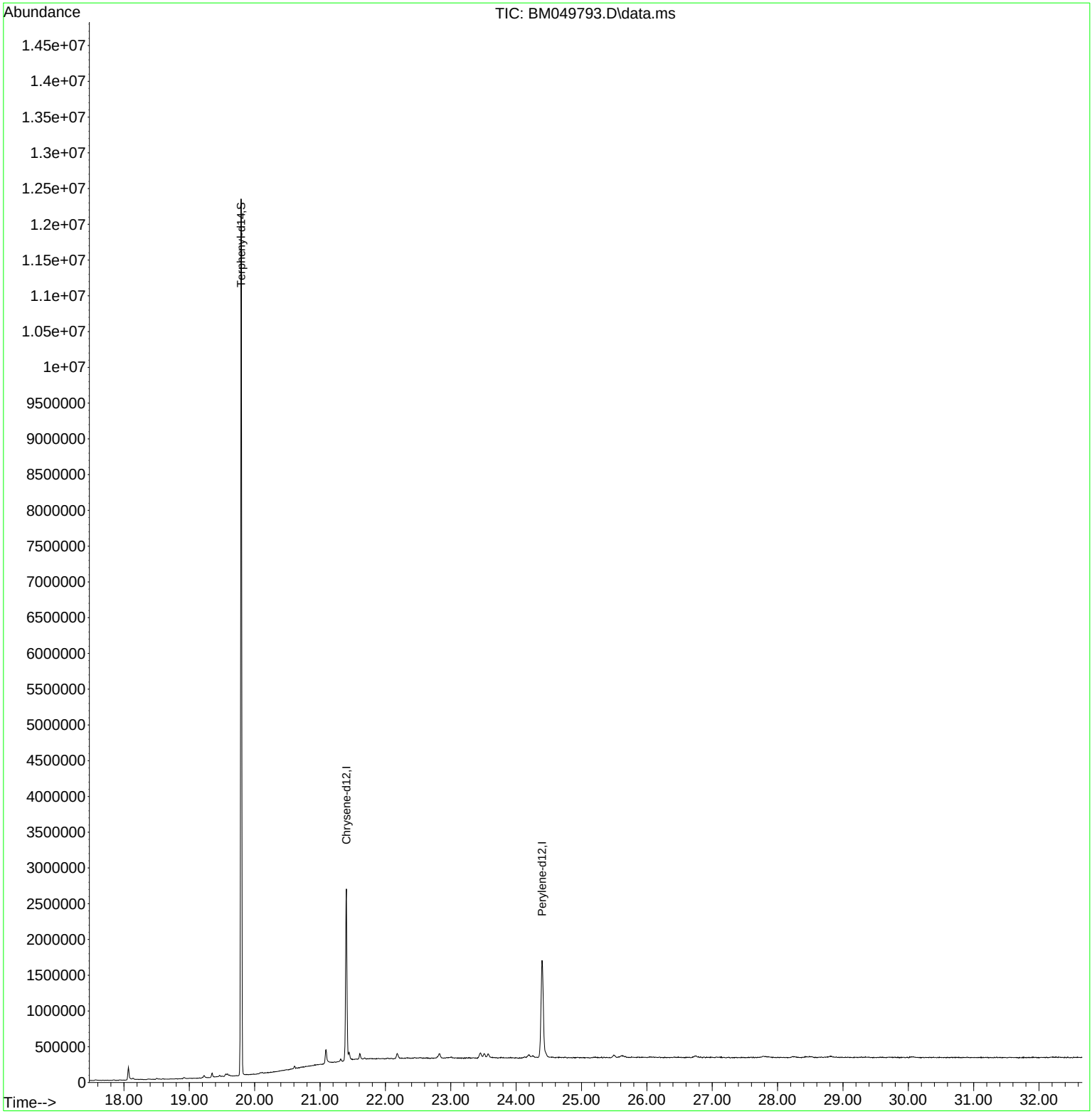
Quant Time: Apr 02 18:16:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

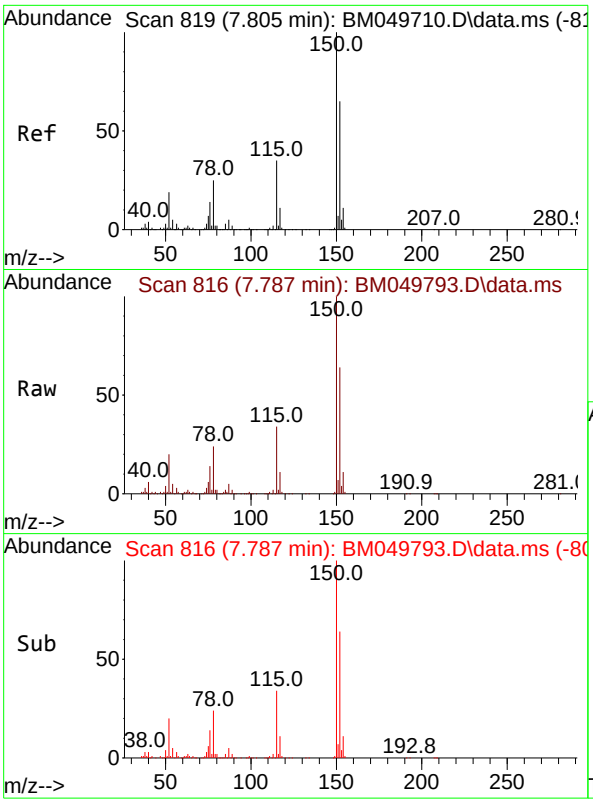


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049793.D
Acq On : 02 Apr 2025 16:43
Operator : RC/JU
Sample : Q1664-09RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-002-01RE

Quant Time: Apr 02 18:16:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



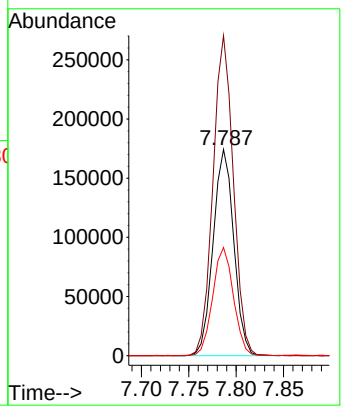


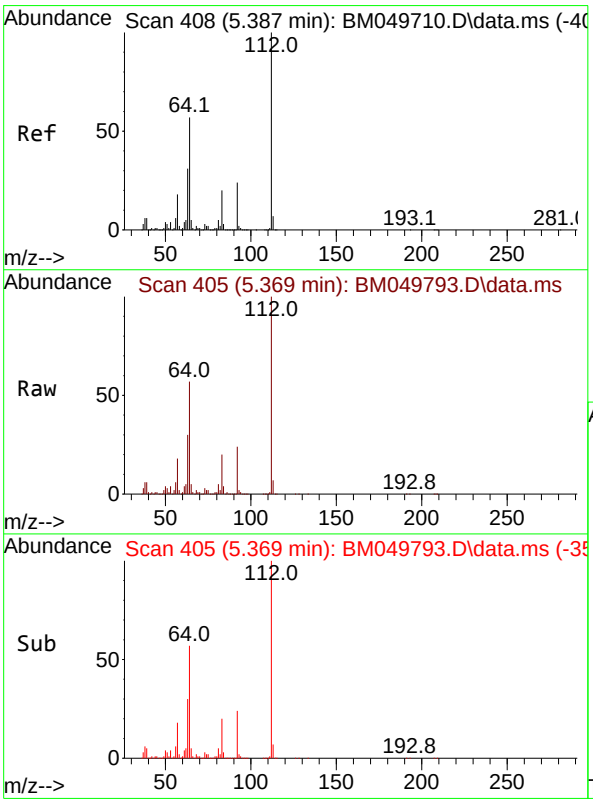
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049793.D
Acq: 02 Apr 2025 16:43

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-002-01RE

Tgt Ion:152 Resp: 264655

Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.8	185.8
115	52.4	43.0	64.6

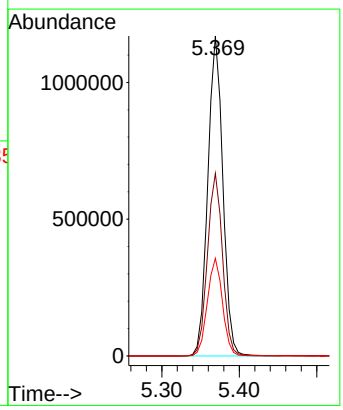


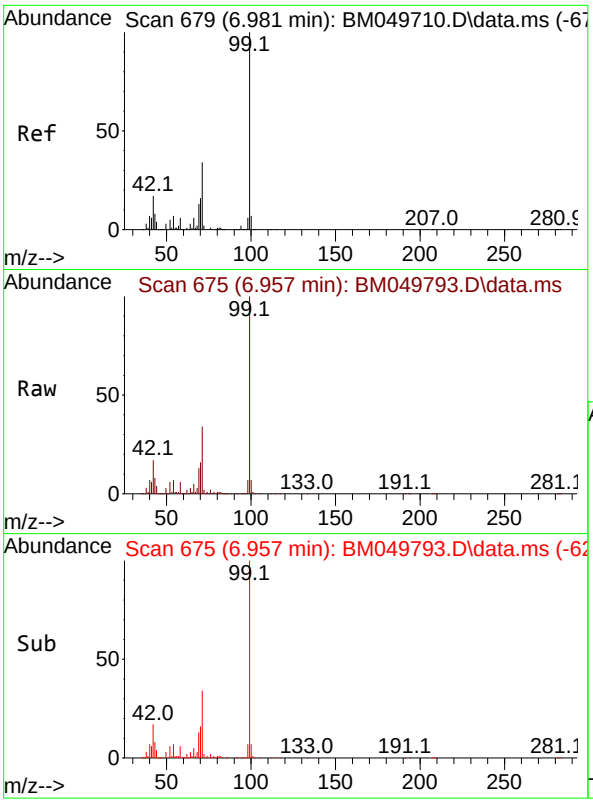


#5
2-Fluorophenol
Concen: 100.498 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049793.D
Acq: 02 Apr 2025 16:43

Tgt Ion:112 Resp: 1576295

Ion	Ratio	Lower	Upper
112	100		
64	57.0	45.3	67.9
63	30.5	24.4	36.6



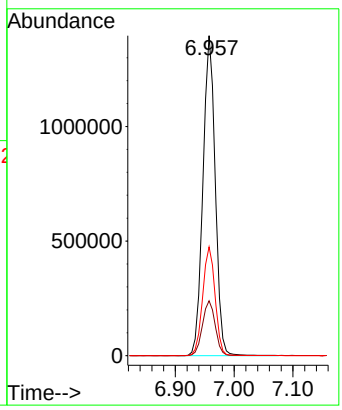


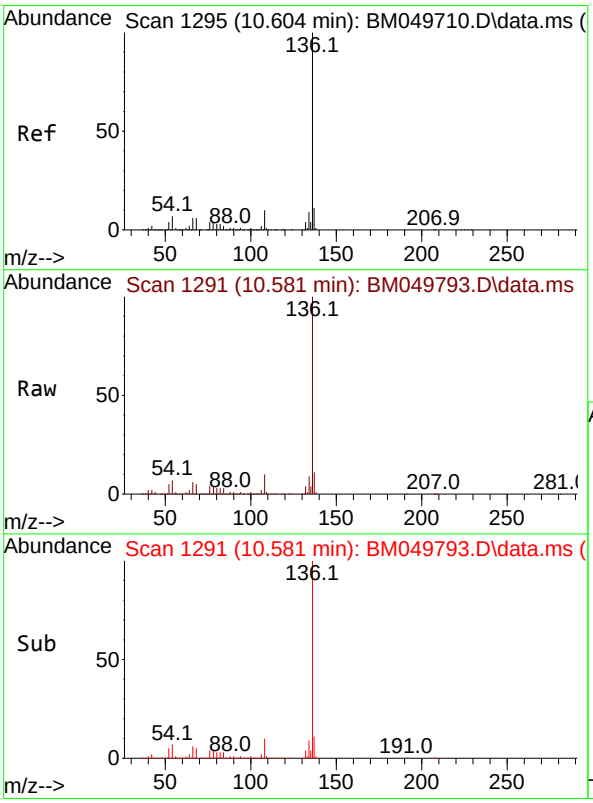
#7
Phenol-d6
Concen: 102.925 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049793.D
Acq: 02 Apr 2025 16:43

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-002-01RE

Tgt Ion: 99 Resp: 2025949

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.6	20.4
71	34.0	27.0	40.6

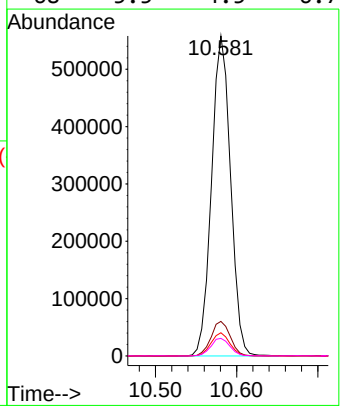


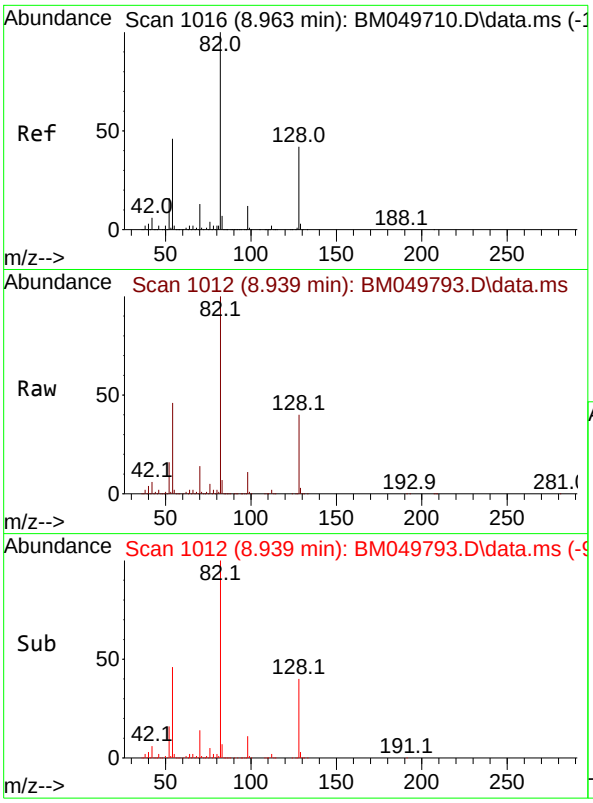


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049793.D
Acq: 02 Apr 2025 16:43

Tgt Ion:136 Resp: 911013

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	7.2	5.8	8.8
68	5.5	4.5	6.7



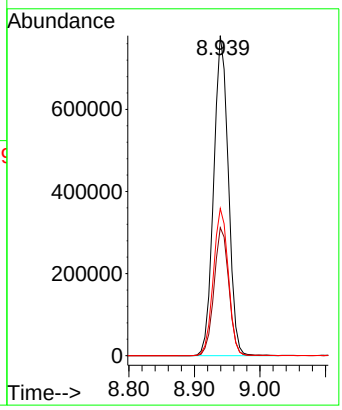


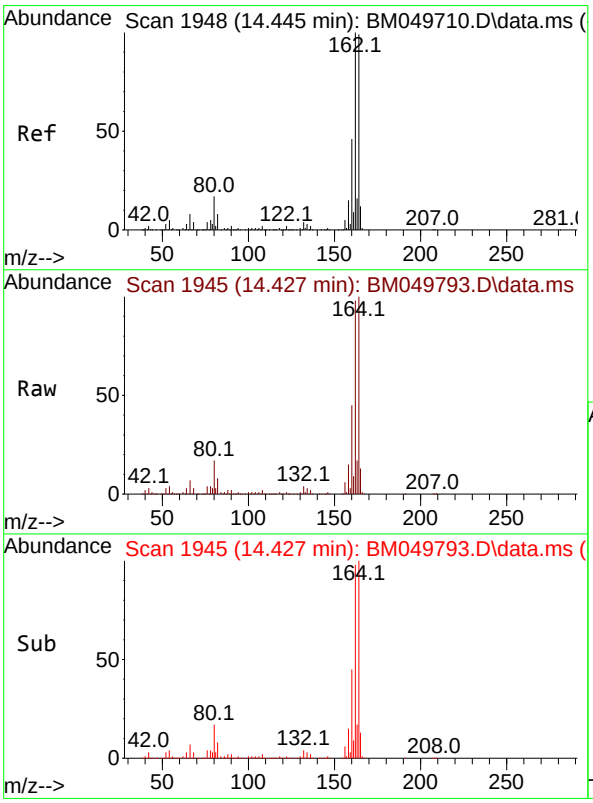
#23
Nitrobenzene-d5
Concen: 68.078 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049793.D
Acq: 02 Apr 2025 16:43

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-002-01RE

Tgt Ion: 82 Resp: 1207984

Ion	Ratio	Lower	Upper
82	100		
128	40.0	33.4	50.0
54	46.0	36.4	54.6

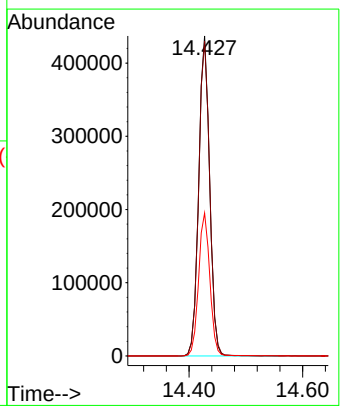


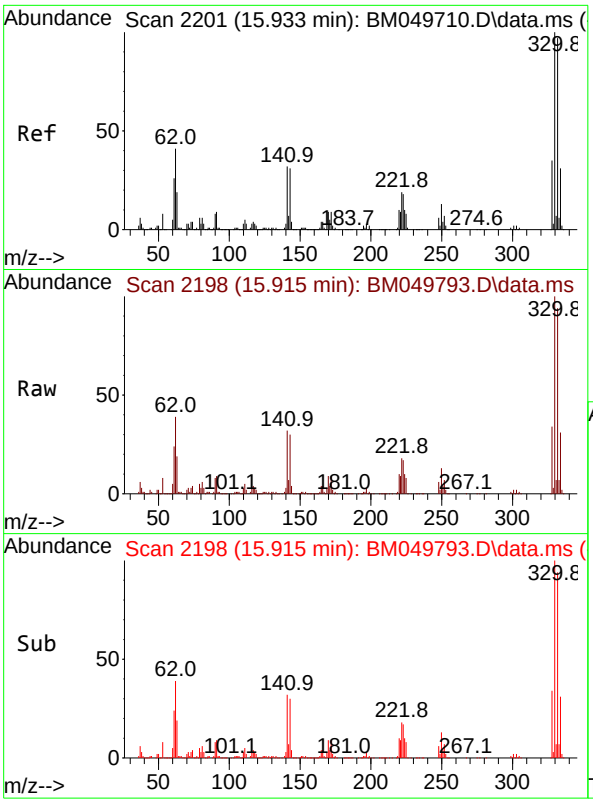


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049793.D
Acq: 02 Apr 2025 16:43

Tgt Ion:164 Resp: 584281

Ion	Ratio	Lower	Upper
164	100		
162	98.3	80.5	120.7
160	44.6	36.9	55.3



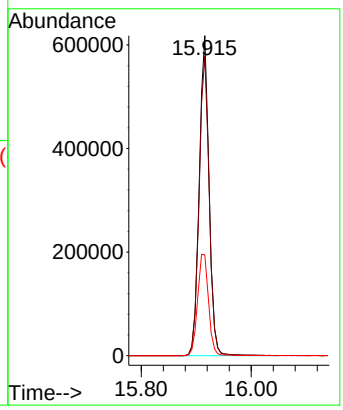


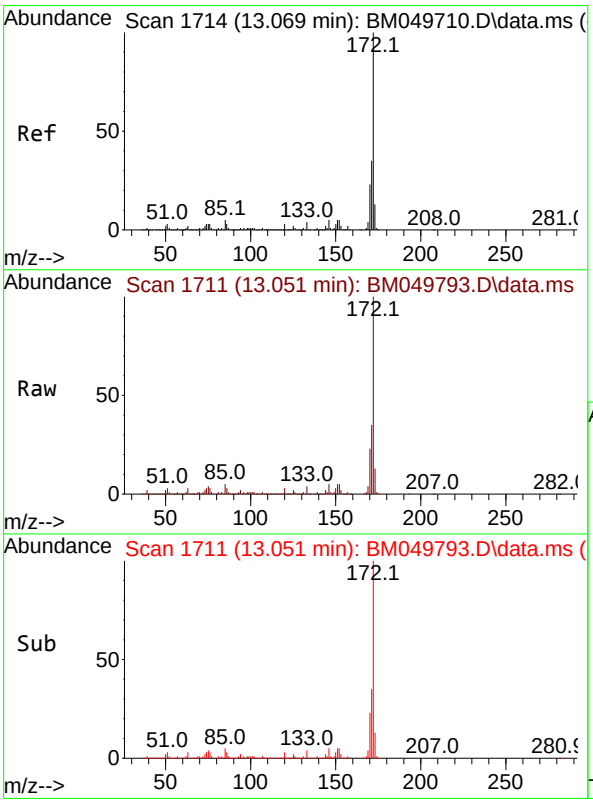
#42
2,4,6-Tribromophenol
Concen: 113.023 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049793.D
Acq: 02 Apr 2025 16:43

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-002-01RE

Tgt Ion:330 Resp: 771113

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.4
141	35.1	27.8	41.6

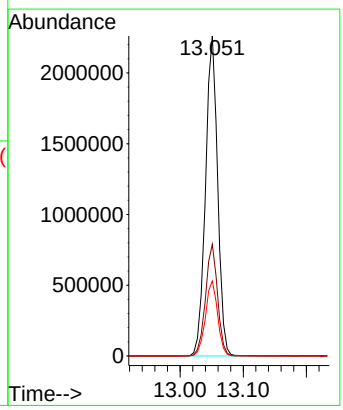


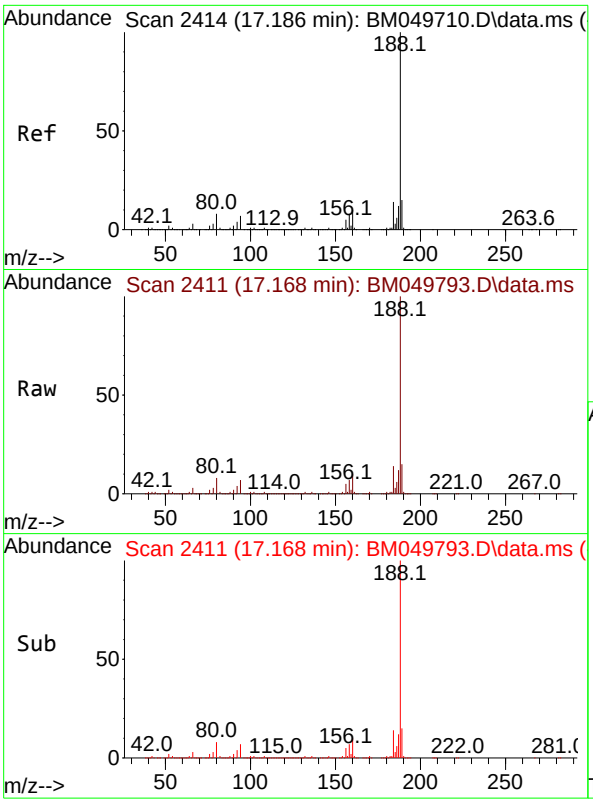


#45
2-Fluorobiphenyl
Concen: 64.733 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049793.D
Acq: 02 Apr 2025 16:43

Tgt Ion:172 Resp: 3020020

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.4	18.6	28.0



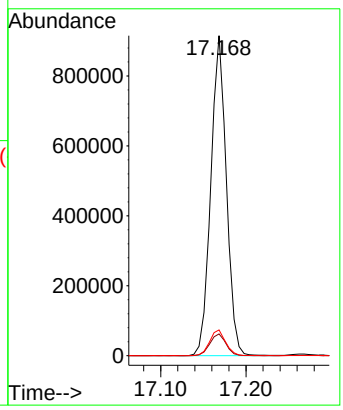


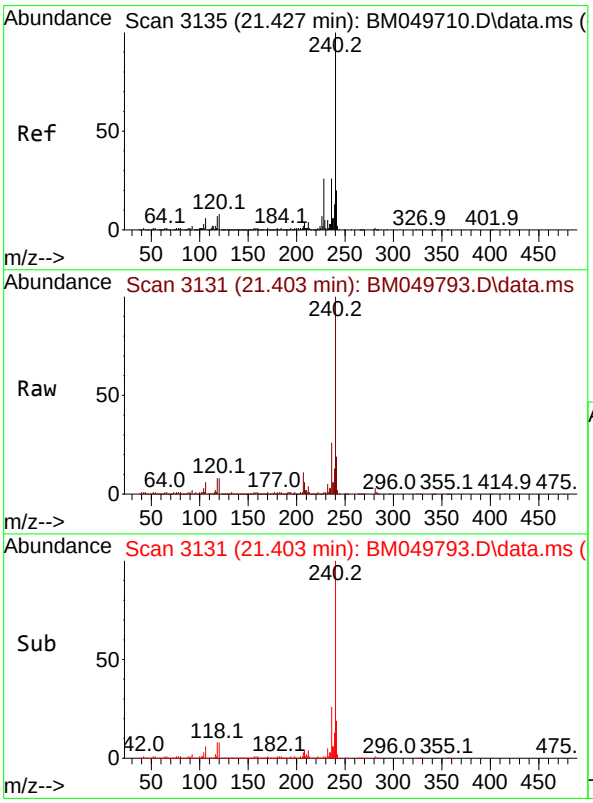
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049793.D
Acq: 02 Apr 2025 16:43

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-002-01RE

Tgt Ion:188 Resp: 1161738

Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.8	8.6
80	8.0	6.3	9.5

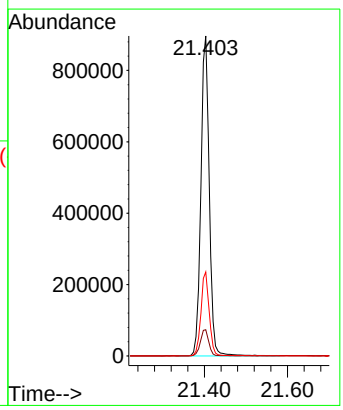


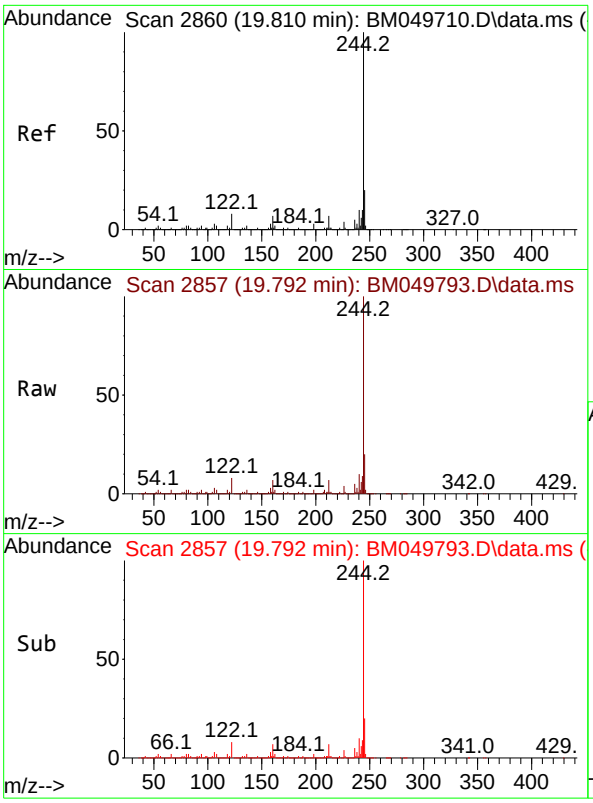


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049793.D
Acq: 02 Apr 2025 16:43

Tgt Ion:240 Resp: 1251607

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	26.2	20.7	31.1



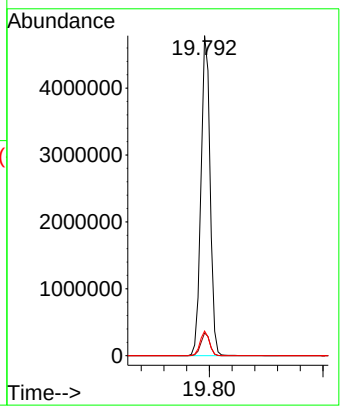


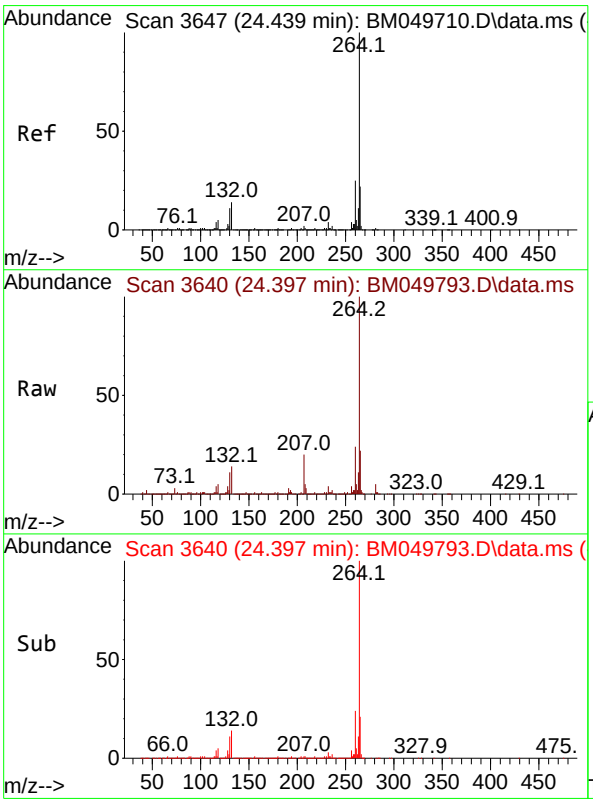
#79
Terphenyl-d14
Concen: 71.739 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049793.D
Acq: 02 Apr 2025 16:43

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-002-01RE

Tgt Ion:244 Resp: 5328314

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	7.7	6.0	9.0

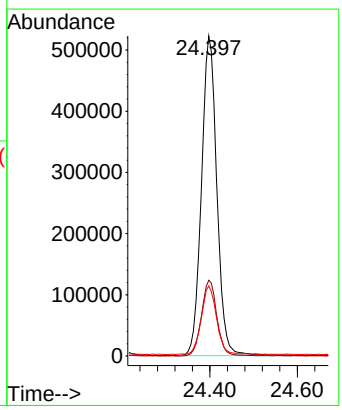




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.041 min
Lab File: BM049793.D
Acq: 02 Apr 2025 16:43

Tgt Ion:264 Resp: 1282226

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.6	29.4
265	21.9	18.2	27.2



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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-003-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142184.D	1	03/28/25 09:40	03/31/25 16:58	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	350	ug/Kg
108-95-2	Phenol	23.3	U	23.3	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.7	U	25.7	180	ug/Kg
95-57-8	2-Chlorophenol	25.8	U	25.8	180	ug/Kg
95-48-7	2-Methylphenol	31.6	U	31.6	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39.6	U	39.6	180	ug/Kg
98-86-2	Acetophenone	31.2	U	31.2	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.4	U	43.4	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.1	U	50.1	84.5	ug/Kg
67-72-1	Hexachloroethane	18.6	U	18.6	180	ug/Kg
98-95-3	Nitrobenzene	19.3	U	19.3	180	ug/Kg
78-59-1	Isophorone	34.6	UQ	34.6	180	ug/Kg
88-75-5	2-Nitrophenol	61.5	U	61.5	180	ug/Kg
105-67-9	2,4-Dimethylphenol	68.5	U	68.5	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.5	U	32.5	180	ug/Kg
120-83-2	2,4-Dichlorophenol	29.9	U	29.9	180	ug/Kg
91-20-3	Naphthalene	24.0	U	24.0	180	ug/Kg
106-47-8	4-Chloroaniline	37.4	U	37.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	26.7	UQ	26.7	180	ug/Kg
105-60-2	Caprolactam	55.0	U	55.0	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.3	U	30.3	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.0	U	27.0	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	UQ	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	20.9	U	20.9	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	30.7	UQ	30.7	180	ug/Kg
92-52-4	1,1-Biphenyl	23.0	U	23.0	180	ug/Kg
91-58-7	2-Chloronaphthalene	23.8	UQ	23.8	180	ug/Kg
88-74-4	2-Nitroaniline	50.8	U	50.8	180	ug/Kg
131-11-3	Dimethylphthalate	28.6	UQ	28.6	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-003-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142184.D	1	03/28/25 09:40	03/31/25 16:58	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.5	UQ	30.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.5	UQ	35.5	180	ug/Kg
99-09-2	3-Nitroaniline	48.6	U	48.6	180	ug/Kg
83-32-9	Acenaphthene	22.5	U	22.5	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.0	U	24.0	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	52.9	UQ	52.9	180	ug/Kg
84-66-2	Diethylphthalate	29.9	U	29.9	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.2	UQ	28.2	180	ug/Kg
86-73-7	Fluorene	26.7	U	26.7	180	ug/Kg
100-01-6	4-Nitroaniline	67.8	U	67.8	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	UQ	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	34.8	UQ	34.8	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.4	U	29.4	180	ug/Kg
118-74-1	Hexachlorobenzene	26.7	UQ	26.7	180	ug/Kg
1912-24-9	Atrazine	35.9	U	35.9	180	ug/Kg
87-86-5	Pentachlorophenol	54.2	UQ	54.2	350	ug/Kg
85-01-8	Phenanthrene	22.1	U	22.1	180	ug/Kg
120-12-7	Anthracene	35.2	UQ	35.2	180	ug/Kg
86-74-8	Carbazole	33.0	UQ	33.0	180	ug/Kg
84-74-2	Di-n-butylphthalate	50.6	U	50.6	180	ug/Kg
206-44-0	Fluoranthene	31.7	U	31.7	180	ug/Kg
129-00-0	Pyrene	38.0	UQ	38.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	75.4	U	75.4	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38.8	UQ	38.8	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.3	UQ	24.3	180	ug/Kg
218-01-9	Chrysene	21.0	UQ	21.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.5	U	62.5	180	ug/Kg
117-84-0	Di-n-octyl phthalate	91.7	U	91.7	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.1	U	20.1	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-003-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142184.D	1	03/28/25 09:40	03/31/25 16:58	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.7	U	23.7	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.2	UQ	31.2	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	30.7	U	30.7	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	28.9	U	28.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.1	U	27.1	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.0	U	27.0	180	ug/Kg
123-91-1	1,4-Dioxane	47.7	U	47.7	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	28.9	U	28.9	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		18 - 112	75%	SPK: 150
13127-88-3	Phenol-d6	108		15 - 107	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.0		18 - 107	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.1		20 - 109	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	99.1		10 - 116	66%	SPK: 150
1718-51-0	Terphenyl-d14	67.7		10 - 105	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	106000	6.863			
1146-65-2	Naphthalene-d8	411000	8.145			
15067-26-2	Acenaphthene-d10	219000	9.904			
1517-22-2	Phenanthrene-d10	340000	11.392			
1719-03-5	Chrysene-d12	255000	14.033			
1520-96-3	Perylene-d12	303000	15.51			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1700	JB		2.14	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	AB		5.09	ug/Kg
000119-61-9	Benzophenone	140	J		10.6	ug/Kg
015594-90-8	1-Heneicosanol	160	J		13.9	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-003-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142184.D	1	03/28/25 09:40	03/31/25 16:58	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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_F\Data\BF033125\
Data File : BF142184.D
Acq On : 31 Mar 2025 16:58
Operator : RC/JU
Sample : Q1664-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

Quant Time: Mar 31 17:21:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	105610	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	411261	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	218626	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	339834m	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	255104	20.000	ng	0.00
86) Perylene-d12	15.510	264	303171	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	713312	112.725	ng	-0.01
7) Phenol-d6	6.487	99	868537	107.802	ng	-0.02
23) Nitrobenzene-d5	7.428	82	569976	77.994	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	274995	99.149	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1209148	84.111	ng	-0.02
79) Terphenyl-d14	12.974	244	1168019	67.692	ng	-0.01
Target Compounds						Qvalue

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

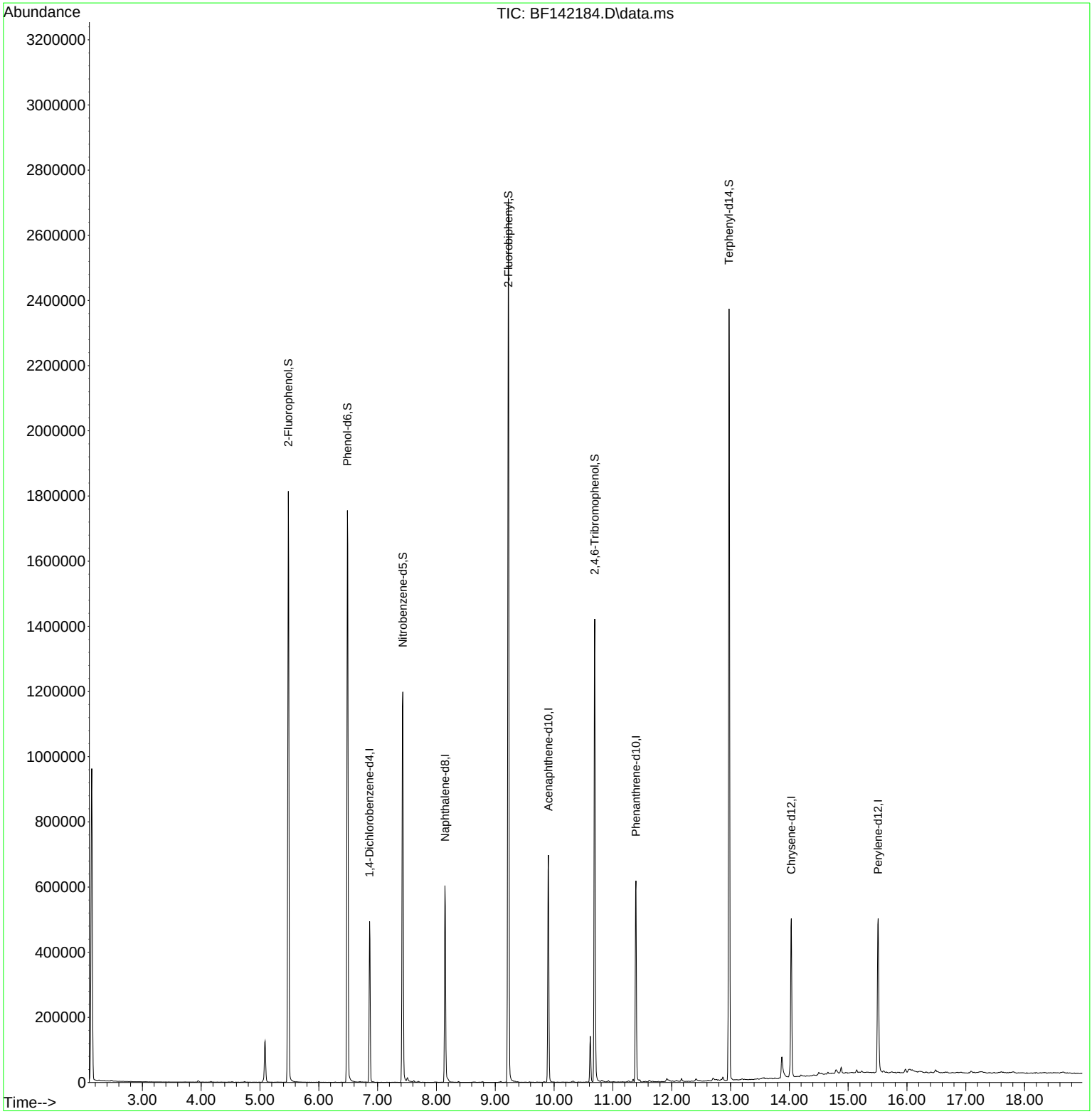
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142184.D
Acq On : 31 Mar 2025 16:58
Operator : RC/JU
Sample : Q1664-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

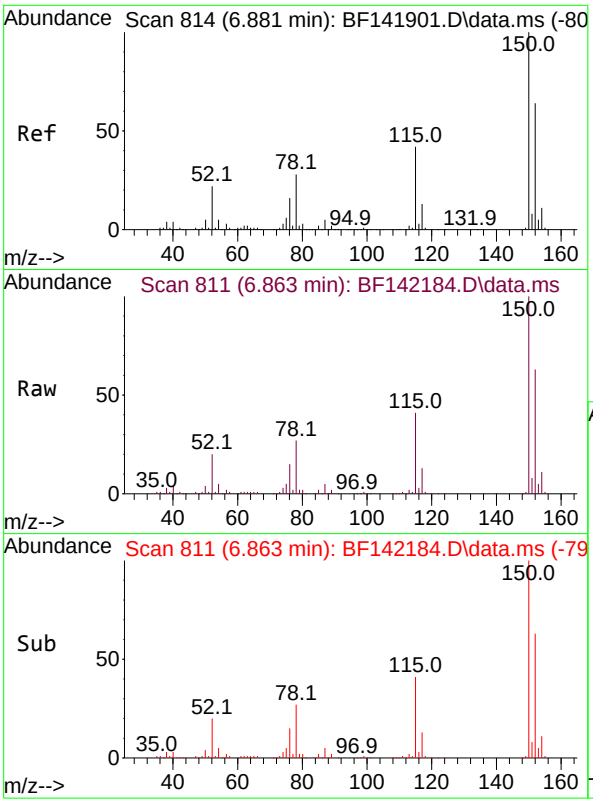
Quant Time: Mar 31 17:21:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

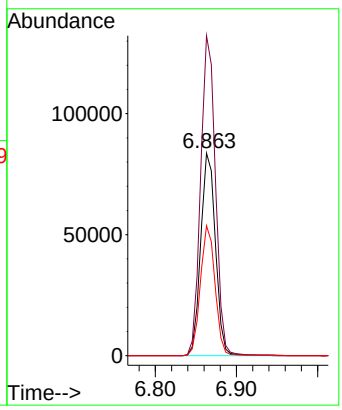




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion:152 Resp: 10561

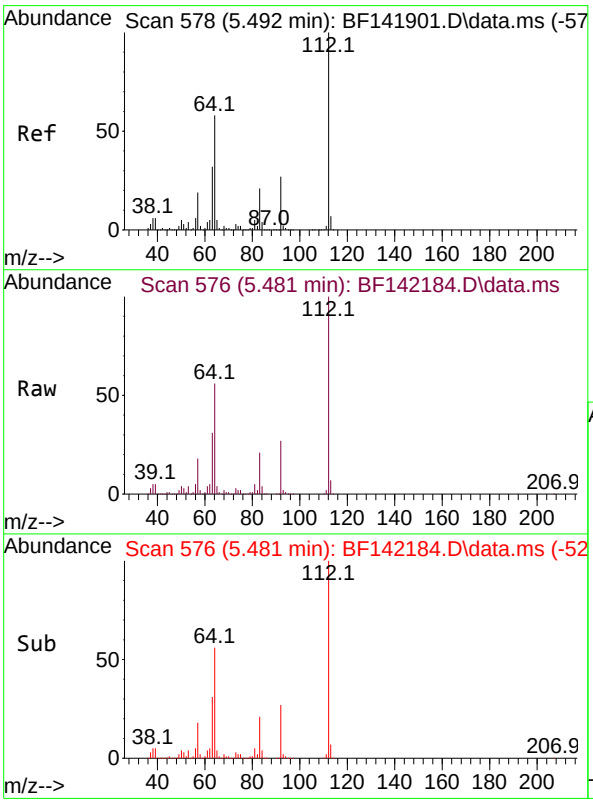
Ion	Ratio	Lower	Upper
152	100		
150	158.0	127.4	191.2
115	64.2	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

Manual Integrations
APPROVED

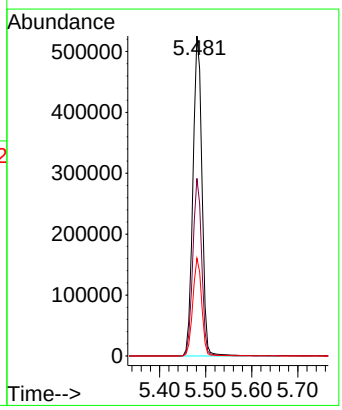
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

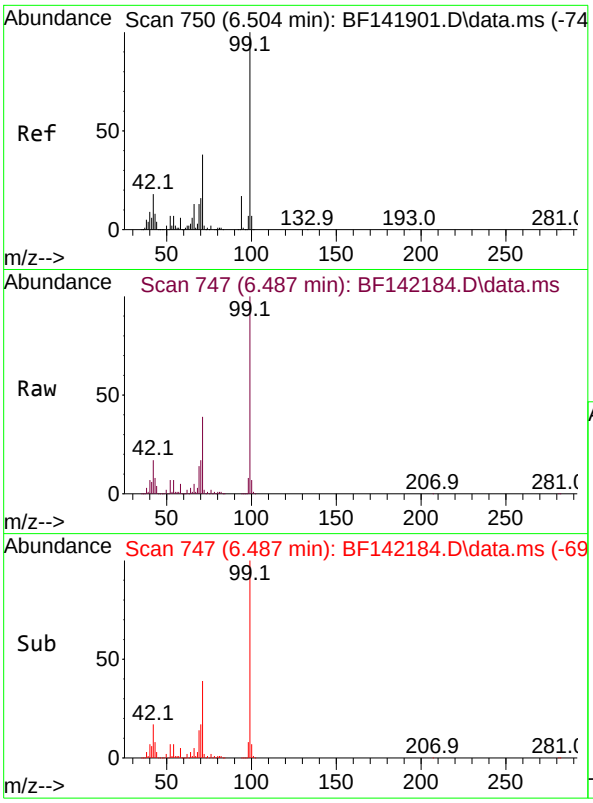


#5
2-Fluorophenol
Concen: 112.725 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion:112 Resp: 713312

Ion	Ratio	Lower	Upper
112	100		
64	55.5	46.5	69.7
63	30.6	25.4	38.2

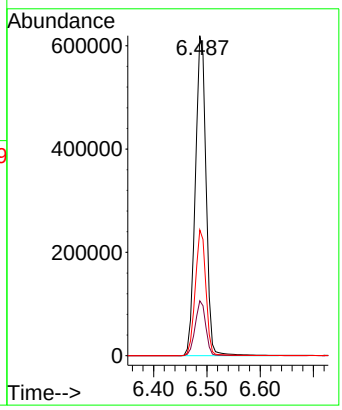




#7
Phenol-d6
Concen: 107.802 ng
RT: 6.487 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 99 Resp: 86853

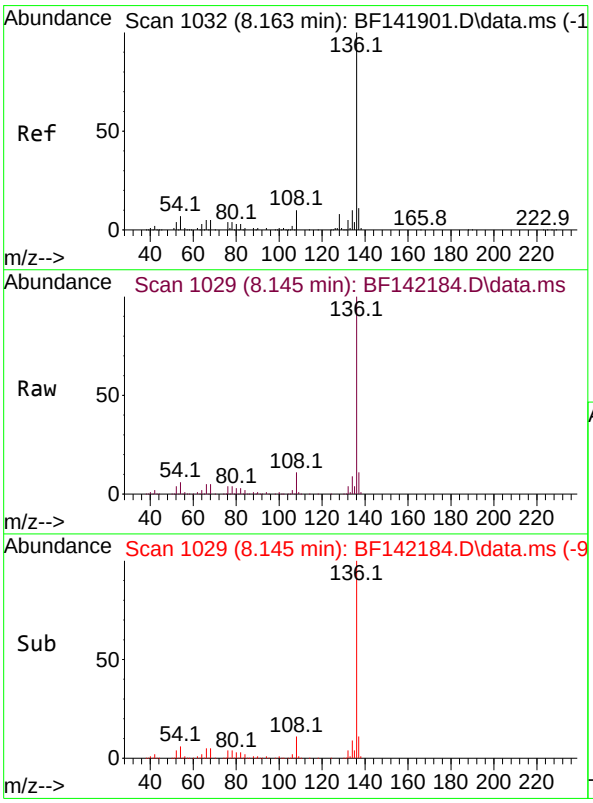
Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.6	21.8
71	39.3	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

Manual Integrations
APPROVED

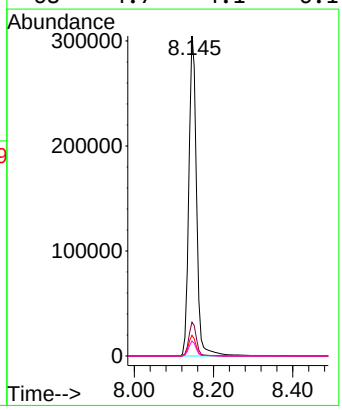
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

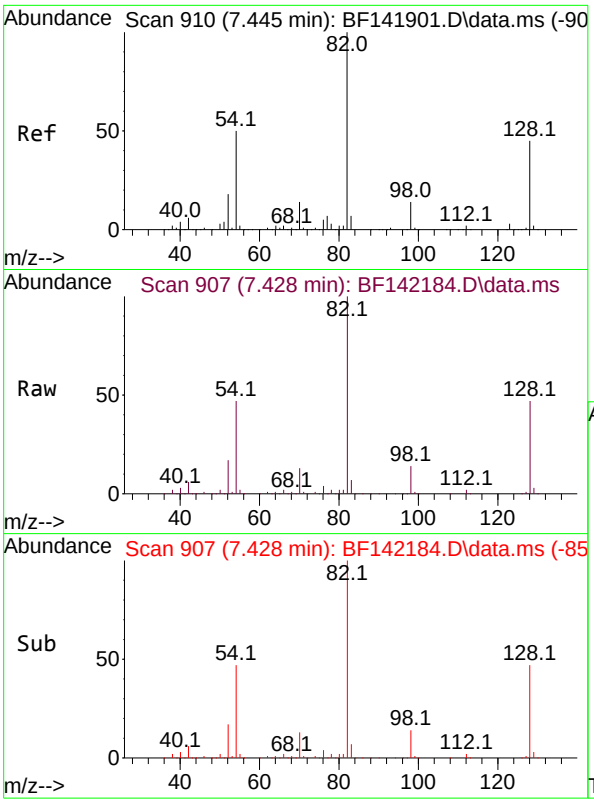


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion:136 Resp: 411261

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	6.4	5.8	8.8
68	4.7	4.1	6.1





#23
Nitrobenzene-d5
Concen: 77.994 ng
RT: 7.428 min Scan# 9(
Delta R.T. -0.018 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

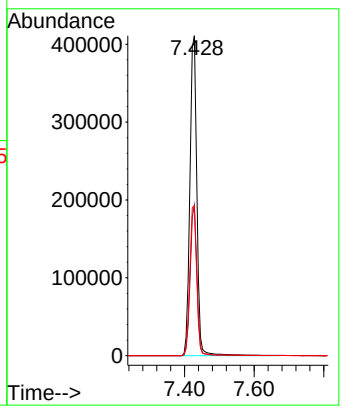
Tgt Ion: 82 Resp: 56997(

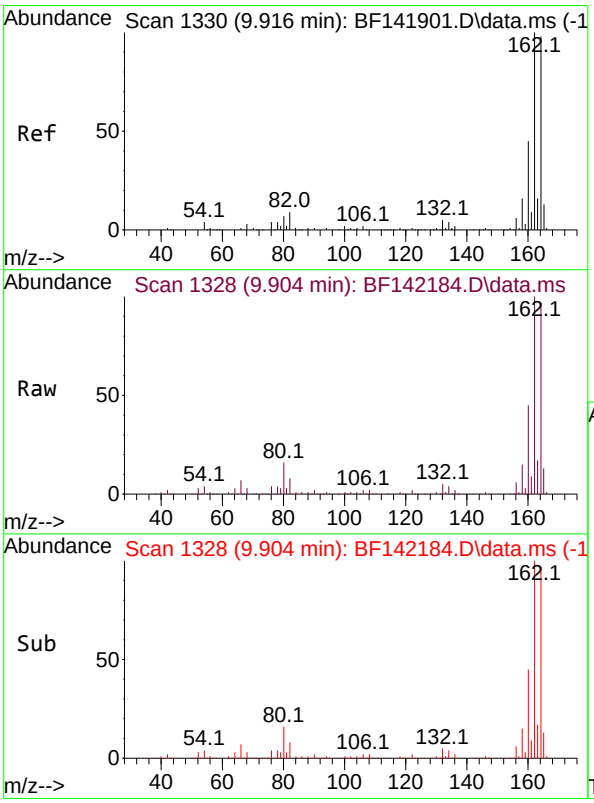
Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.0	54.0
54	46.8	39.6	59.4

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

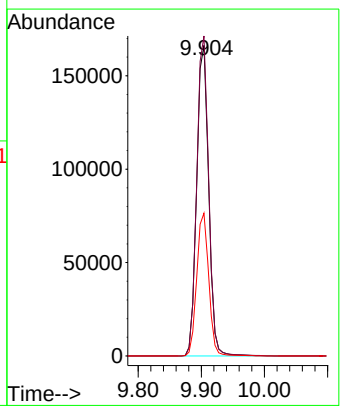


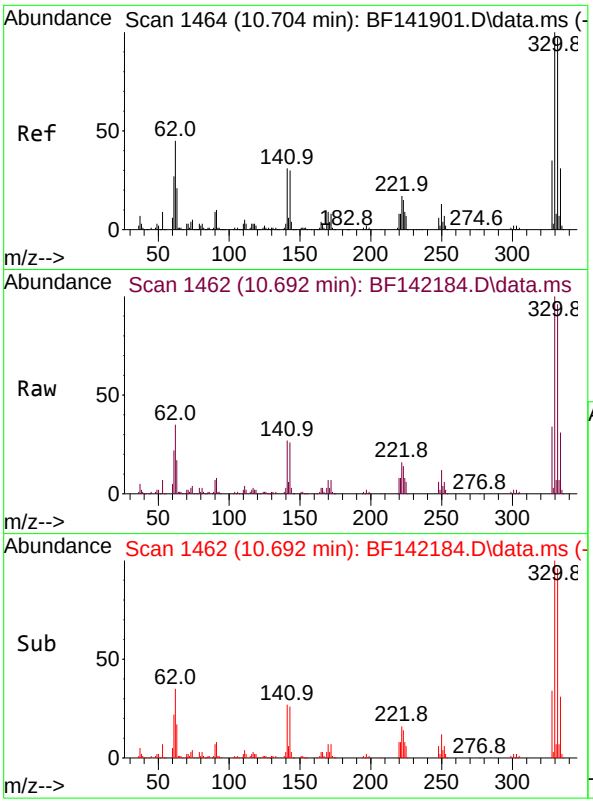


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion:164 Resp: 218626

Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.8	122.6
160	46.0	36.7	55.1

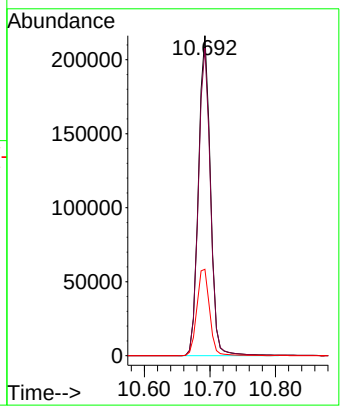




#42
2,4,6-Tribromophenol
Concen: 99.149 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion:330 Resp: 27499

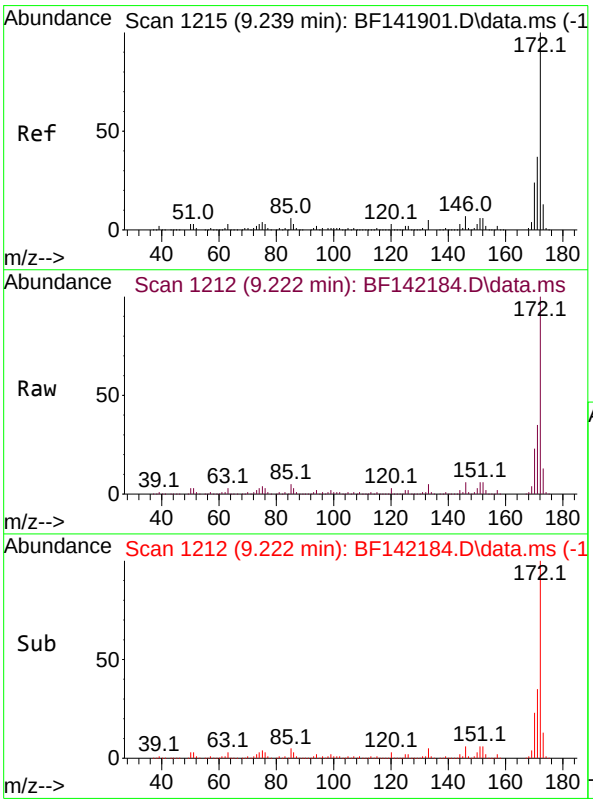
Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.6	116.4
141	28.8	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

Manual Integrations
APPROVED

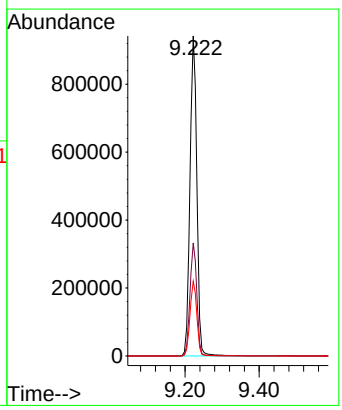
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

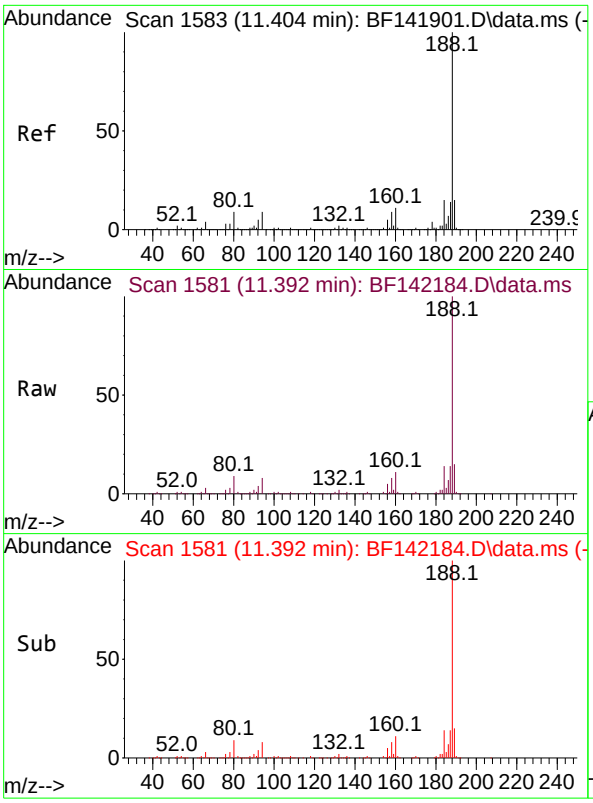


#45
2-Fluorobiphenyl
Concen: 84.111 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion:172 Resp: 1209148

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.3	43.9
170	23.4	19.4	29.0

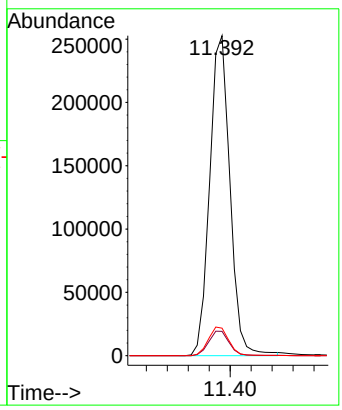




#64
Phenanthrene-d10
Concen: 20.000 ng m
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion:188 Resp: 33983

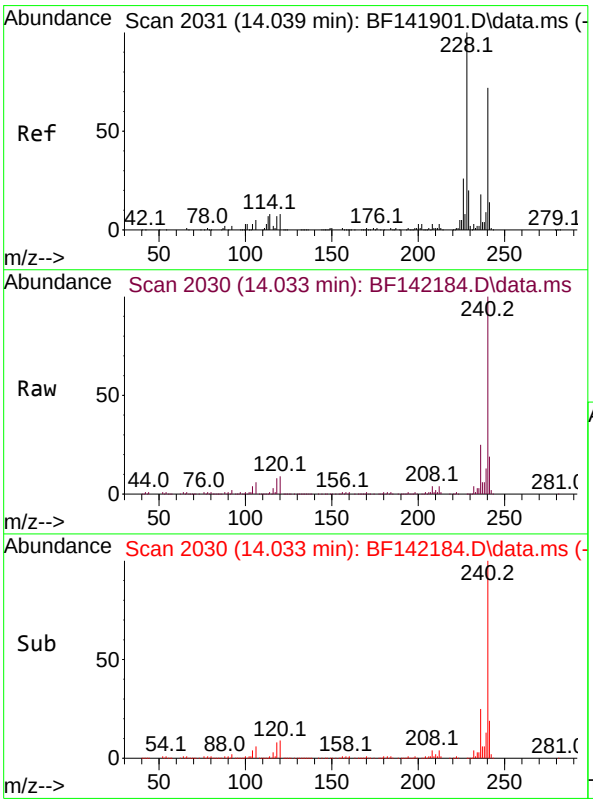
Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.8	10.2
80	8.6	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

Manual Integrations
APPROVED

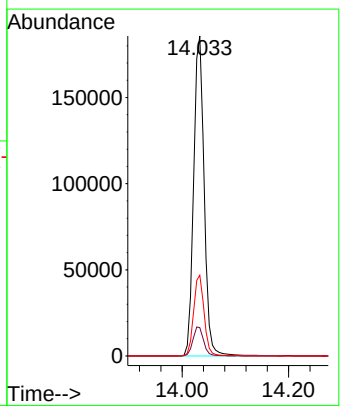
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

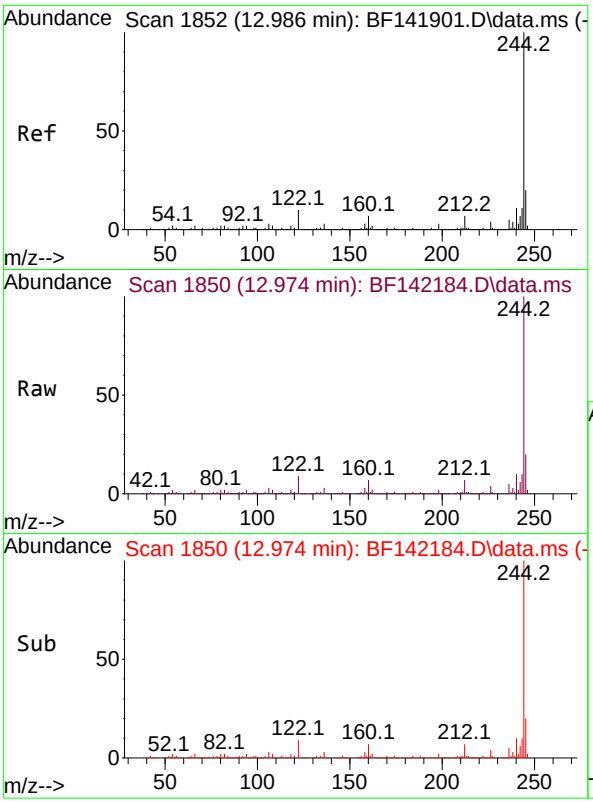


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion:240 Resp: 255104

Ion	Ratio	Lower	Upper
240	100		
120	8.9	8.4	12.6
236	25.3	20.5	30.7

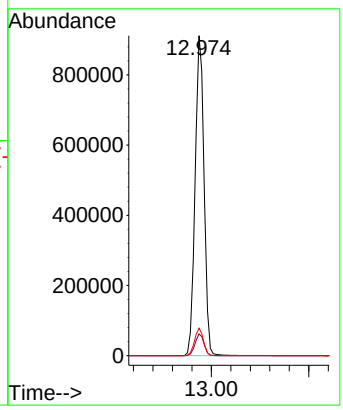




#79
Terphenyl-d14
Concen: 67.692 ng
RT: 12.974 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion:244 Resp: 116801

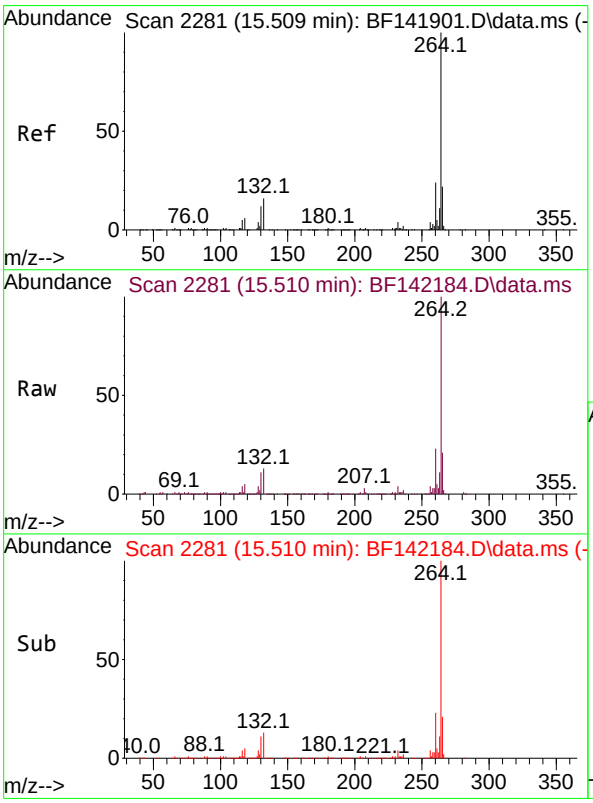
Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	8.6	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

Manual Integrations
APPROVED

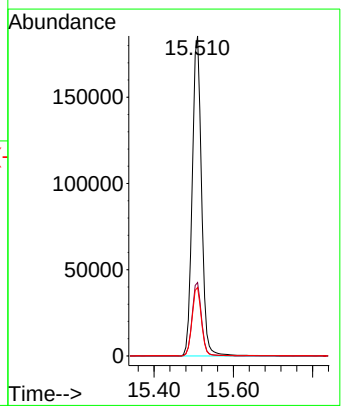
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142184.D
Acq: 31 Mar 2025 16:58

Tgt Ion:264 Resp: 303171

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.1	28.7
265	21.4	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142184.D
Acq On : 31 Mar 2025 16:58
Operator : RC/JU
Sample : Q1664-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142184.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.140	3	8	24	rVB	956900	1520630	44.06%	7.052%
2	5.087	499	509	523	rBV	126217	208923	6.05%	0.969%
3	5.481	570	576	598	rBV	1813766	2430198	70.41%	11.270%
4	6.487	741	747	769	rBV	1755027	2461291	71.31%	11.415%
5	6.863	806	811	820	rBV	493505	616319	17.86%	2.858%
6	7.428	901	907	917	rBV	1198125	1630087	47.23%	7.560%
7	8.145	1024	1029	1047	rBV	603617	804997	23.32%	3.733%
8	9.222	1206	1212	1229	rBV	2711242	3451428	100.00%	16.007%
9	9.904	1322	1328	1341	rVB	696530	911910	26.42%	4.229%
10	10.616	1444	1449	1456	rBV	140944	180692	5.24%	0.838%
11	10.692	1456	1462	1478	rVV	1420567	1870413	54.19%	8.674%
12	11.392	1576	1581	1590	rBV	616485	826854	23.96%	3.835%
13	12.974	1845	1850	1863	rBV	2367953	3019972	87.50%	14.006%
14	13.874	1997	2003	2017	rBV	64515	153363	4.44%	0.711%
15	14.033	2022	2030	2039	rVV	486067	692271	20.06%	3.211%
16	15.510	2274	2281	2293	rBV	472359	783172	22.69%	3.632%

Sum of corrected areas: 21562520

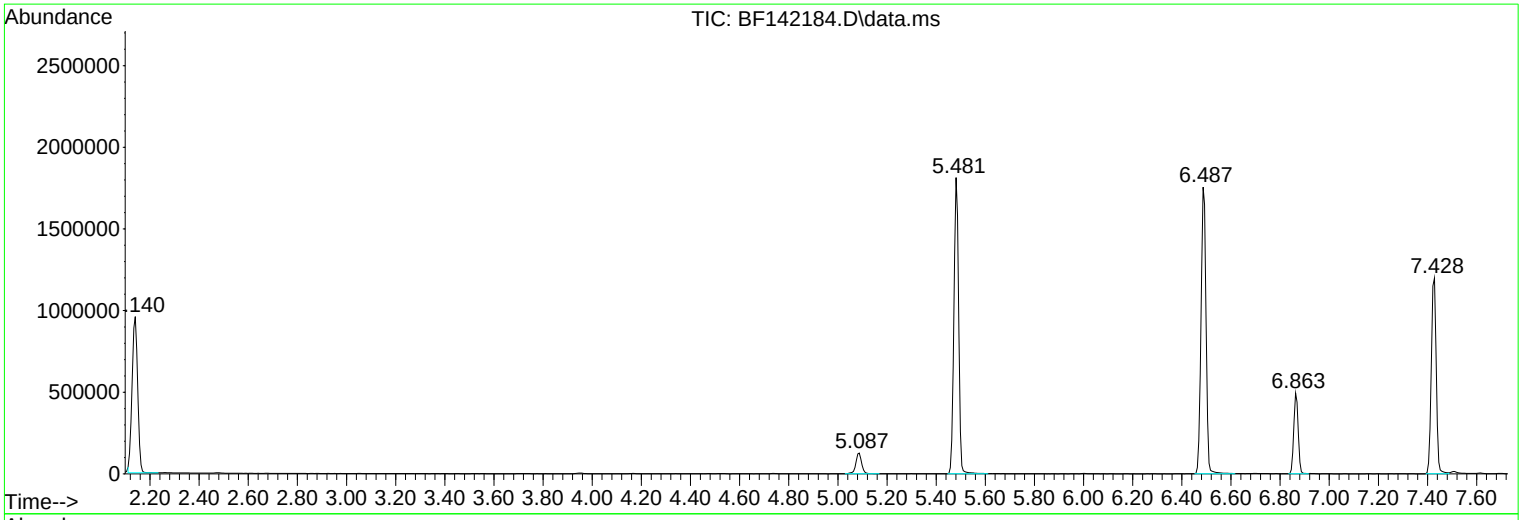
Sample Results: **BF142184.D**

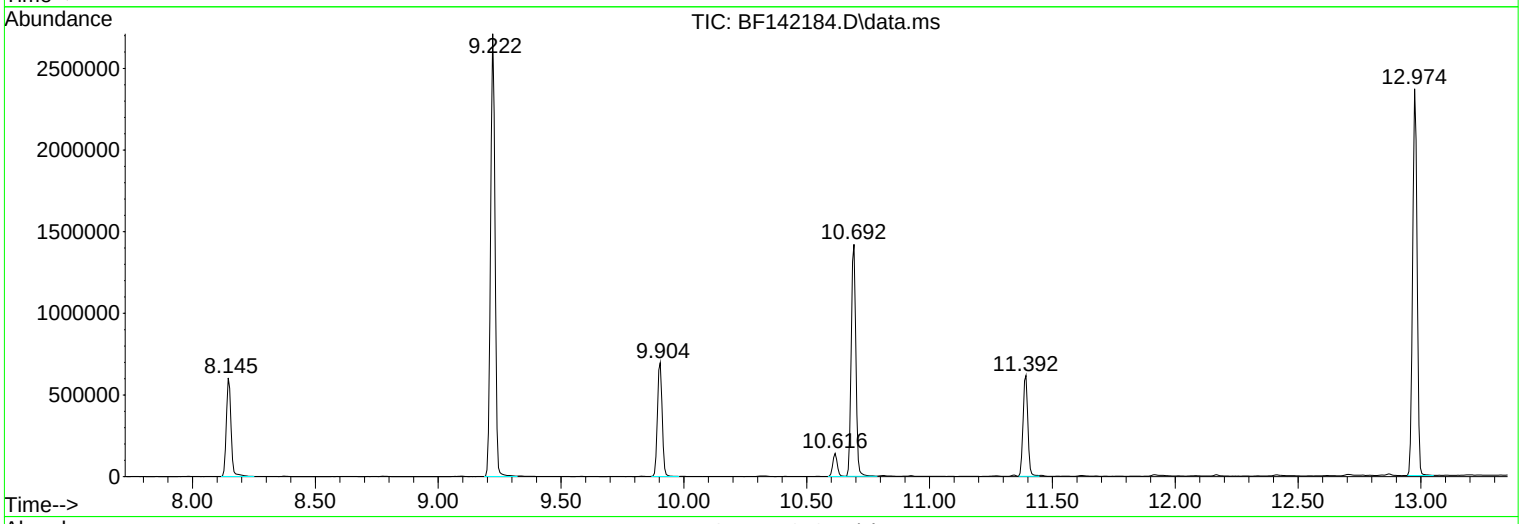
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142184.D
Acq On : 31 Mar 2025 16:58
Operator : RC/JU
Sample : Q1664-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

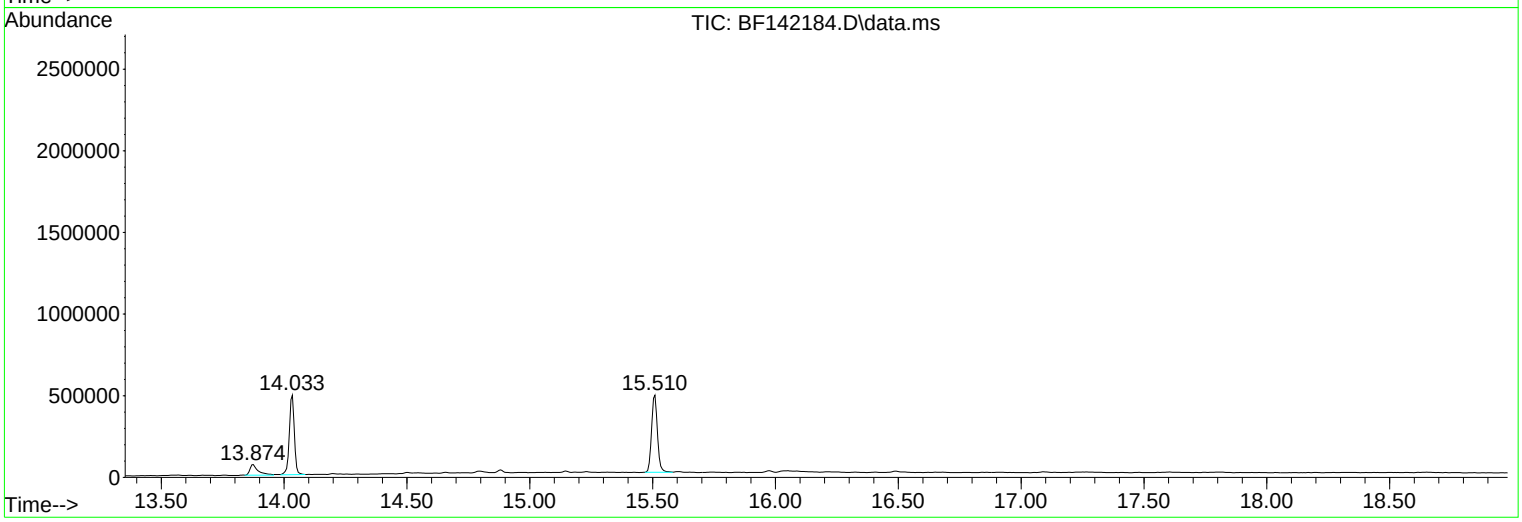
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142184.D
Acq On : 31 Mar 2025 16:58
Operator : RC/JU
Sample : Q1664-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

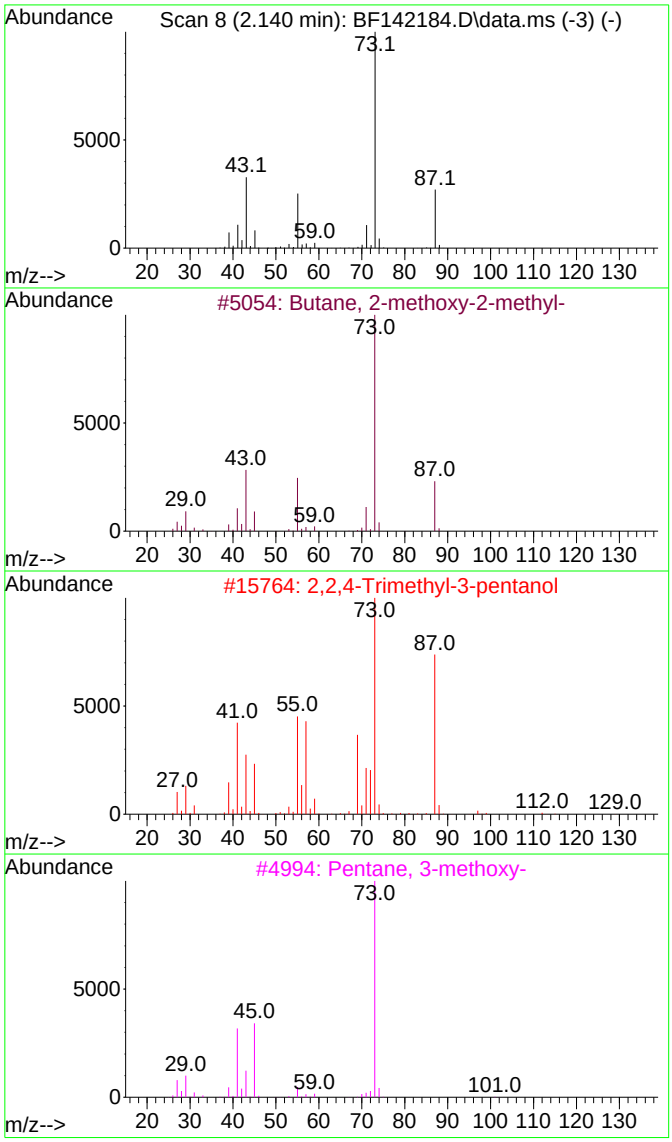
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

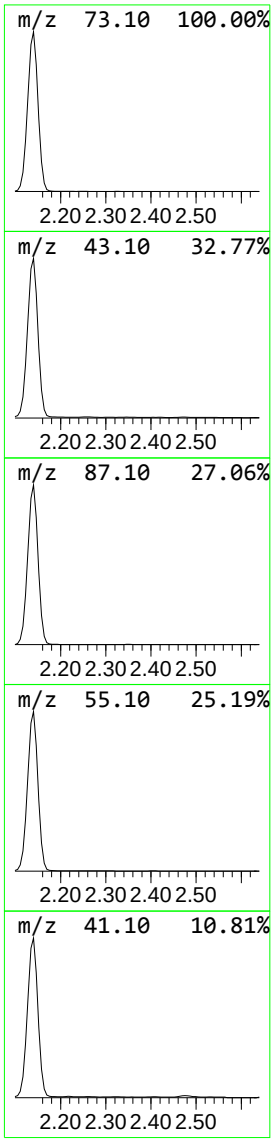
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.140	49.35 ng	1520630	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142184.D
Acq On : 31 Mar 2025 16:58
Operator : RC/JU
Sample : Q1664-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

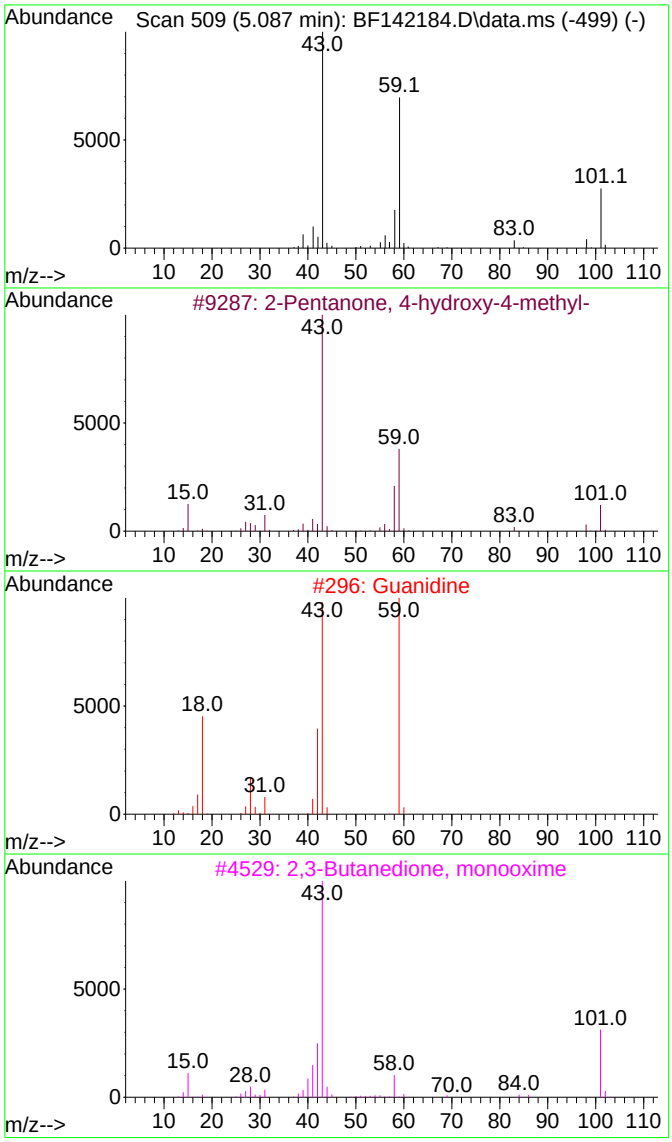
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

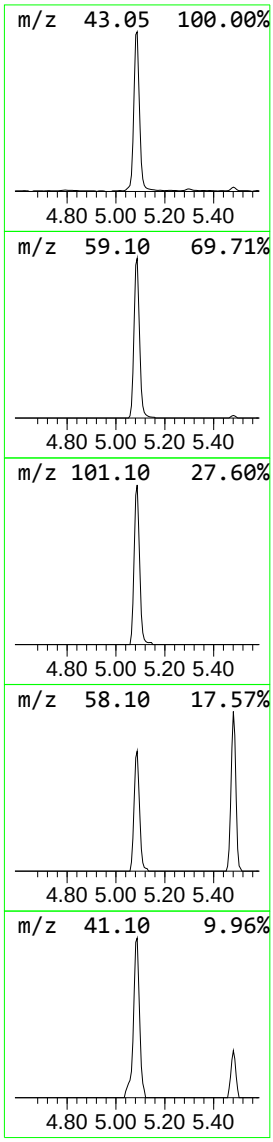
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	6.78 ng	208923	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Guanidine	59	CH5N3	000113-00-8	43
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Acetone	58	C3H6O	000067-64-1	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142184.D
Acq On : 31 Mar 2025 16:58
Operator : RC/JU
Sample : Q1664-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

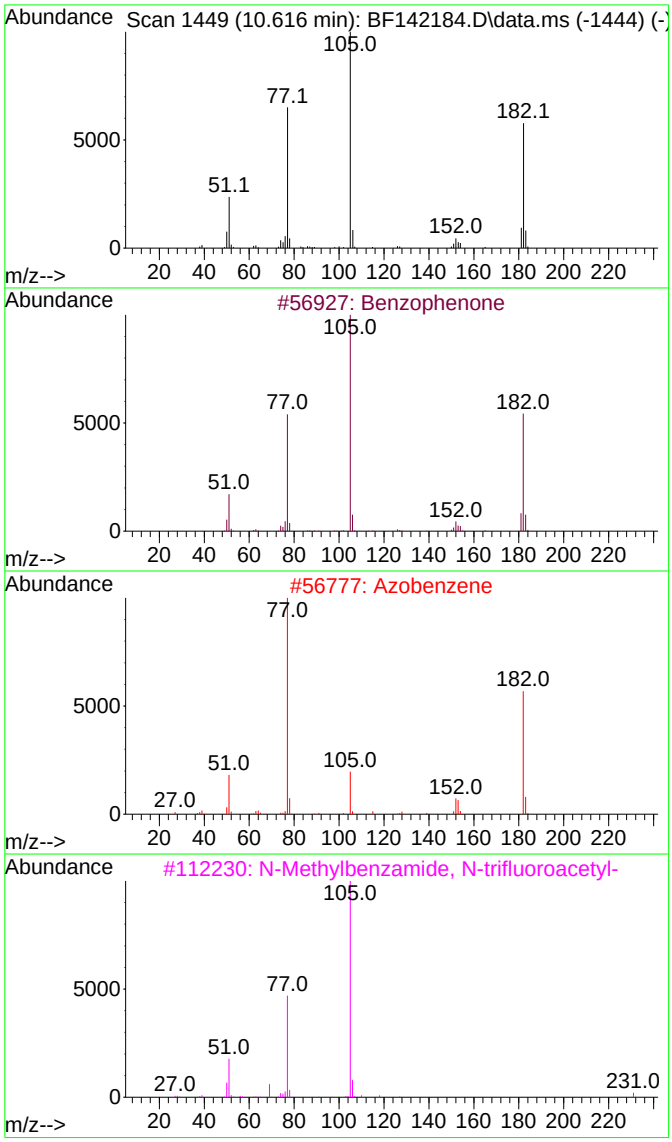
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

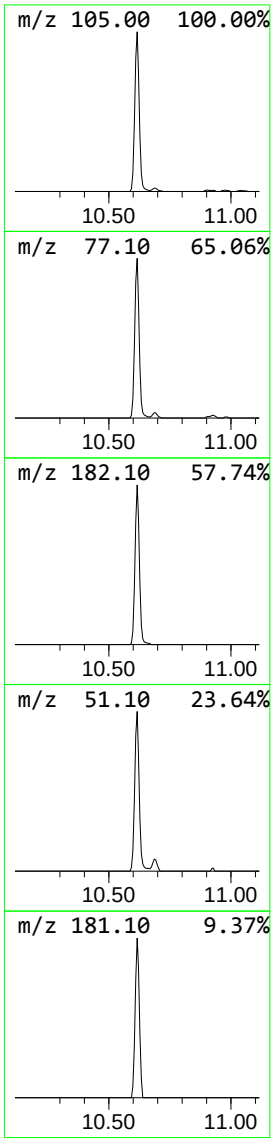
****

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	3.96 ng	180692	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
4	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142184.D
Acq On    : 31 Mar 2025  16:58
Operator  : RC/JU
Sample    : Q1664-11
Misc      :
ALS Vial  : 11   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

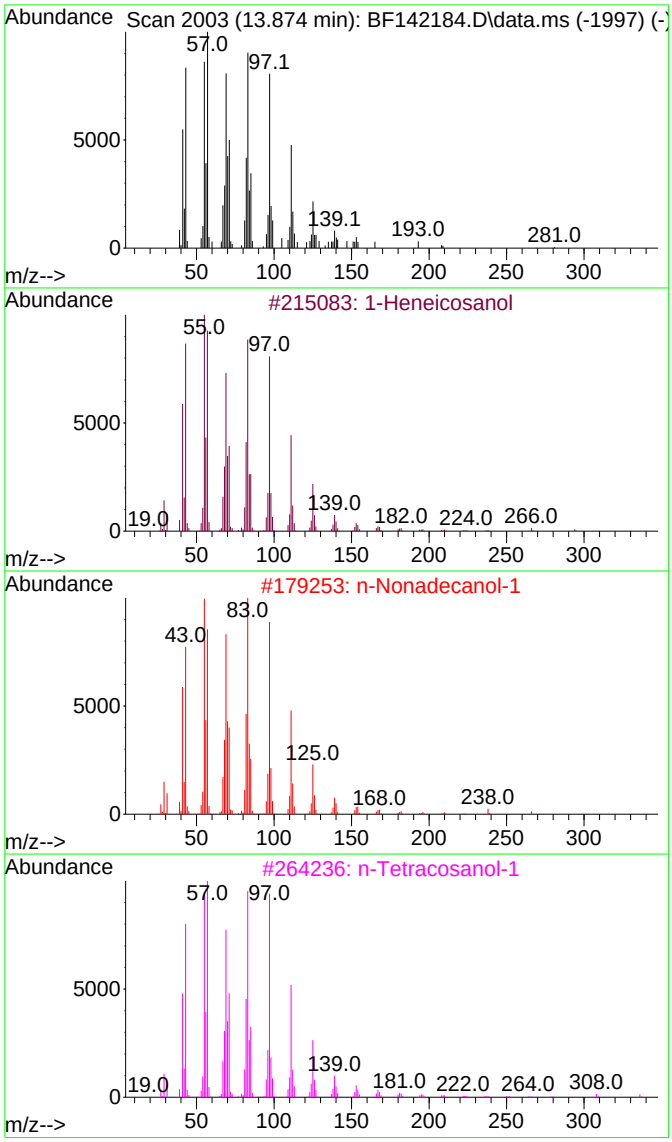
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

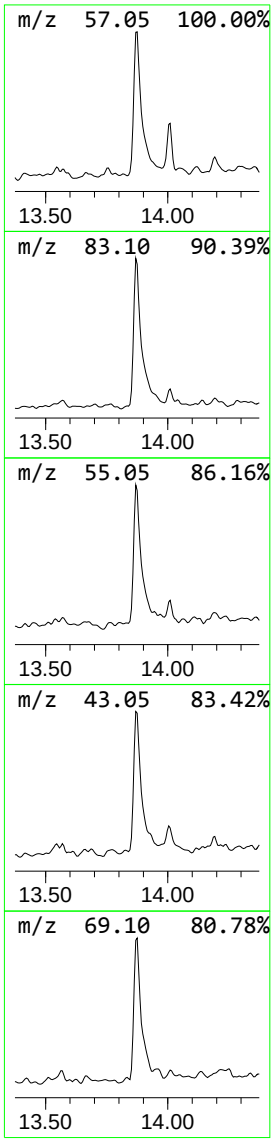
****

Peak Number 4 1-Heneicosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	4.43 ng	153363	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
4	1-Tetracosene	336	C24H48	010192-32-2	94
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142184.D
Acq On : 31 Mar 2025 16:58
Operator : RC/JU
Sample : Q1664-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-003-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.140	49.4	ng	1520630	1	6.863	616319	20.0
2-Pentanone, 4-...	5.087	6.8	ng	208923	1	6.863	616319	20.0
Benzophenone	10.616	4.0	ng	180692	3	9.904	911910	20.0
1-Heneicosanol	13.874	4.4	ng	153363	5	14.033	692271	20.0

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-004-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142185.D	1	03/28/25 09:40	03/31/25 17:27	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	350	ug/Kg
108-95-2	Phenol	23.1	U	23.1	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.4	U	25.4	180	ug/Kg
95-57-8	2-Chlorophenol	25.5	U	25.5	180	ug/Kg
95-48-7	2-Methylphenol	31.3	U	31.3	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39.3	U	39.3	180	ug/Kg
98-86-2	Acetophenone	30.9	U	30.9	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.0	U	43.0	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	49.6	U	49.6	83.7	ug/Kg
67-72-1	Hexachloroethane	18.4	U	18.4	180	ug/Kg
98-95-3	Nitrobenzene	19.2	U	19.2	180	ug/Kg
78-59-1	Isophorone	34.3	UQ	34.3	180	ug/Kg
88-75-5	2-Nitrophenol	60.9	U	60.9	180	ug/Kg
105-67-9	2,4-Dimethylphenol	67.8	U	67.8	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.2	U	32.2	180	ug/Kg
120-83-2	2,4-Dichlorophenol	29.6	U	29.6	180	ug/Kg
91-20-3	Naphthalene	23.8	U	23.8	180	ug/Kg
106-47-8	4-Chloroaniline	37.1	U	37.1	180	ug/Kg
87-68-3	Hexachlorobutadiene	26.5	UQ	26.5	180	ug/Kg
105-60-2	Caprolactam	54.5	U	54.5	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.0	U	30.0	180	ug/Kg
91-57-6	2-Methylnaphthalene	26.8	U	26.8	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	UQ	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	20.7	U	20.7	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	30.5	UQ	30.5	180	ug/Kg
92-52-4	1,1-Biphenyl	22.8	U	22.8	180	ug/Kg
91-58-7	2-Chloronaphthalene	23.6	UQ	23.6	180	ug/Kg
88-74-4	2-Nitroaniline	50.4	U	50.4	180	ug/Kg
131-11-3	Dimethylphthalate	28.4	UQ	28.4	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-004-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142185.D	1	03/28/25 09:40	03/31/25 17:27	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.3	UQ	30.3	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.2	UQ	35.2	180	ug/Kg
99-09-2	3-Nitroaniline	48.2	U	48.2	180	ug/Kg
83-32-9	Acenaphthene	22.3	U	22.3	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	23.8	U	23.8	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	52.4	UQ	52.4	180	ug/Kg
84-66-2	Diethylphthalate	29.6	U	29.6	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.0	UQ	28.0	180	ug/Kg
86-73-7	Fluorene	26.5	U	26.5	180	ug/Kg
100-01-6	4-Nitroaniline	67.2	U	67.2	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	UQ	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	34.4	UQ	34.4	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.1	U	29.1	180	ug/Kg
118-74-1	Hexachlorobenzene	26.5	UQ	26.5	180	ug/Kg
1912-24-9	Atrazine	35.6	U	35.6	180	ug/Kg
87-86-5	Pentachlorophenol	53.7	UQ	53.7	350	ug/Kg
85-01-8	Phenanthrene	21.9	U	21.9	180	ug/Kg
120-12-7	Anthracene	34.9	UQ	34.9	180	ug/Kg
86-74-8	Carbazole	32.7	UQ	32.7	180	ug/Kg
84-74-2	Di-n-butylphthalate	50.1	U	50.1	180	ug/Kg
206-44-0	Fluoranthene	31.4	U	31.4	180	ug/Kg
129-00-0	Pyrene	37.7	UQ	37.7	180	ug/Kg
85-68-7	Butylbenzylphthalate	74.7	U	74.7	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38.4	UQ	38.4	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.1	UQ	24.1	180	ug/Kg
218-01-9	Chrysene	20.8	UQ	20.8	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.0	U	62.0	180	ug/Kg
117-84-0	Di-n-octyl phthalate	90.9	U	90.9	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.9	U	19.9	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-004-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142185.D	1	03/28/25 09:40	03/31/25 17:27	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.4	U	23.4	180	ug/Kg
50-32-8	Benzo(a)pyrene	30.9	UQ	30.9	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	30.5	U	30.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	28.7	U	28.7	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	26.9	U	26.9	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	26.8	U	26.8	180	ug/Kg
123-91-1	1,4-Dioxane	47.3	U	47.3	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	28.7	U	28.7	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		18 - 112	75%	SPK: 150
13127-88-3	Phenol-d6	114		15 - 107	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.9		18 - 107	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.6		20 - 109	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	96.6		10 - 116	64%	SPK: 150
1718-51-0	Terphenyl-d14	67.6		10 - 105	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	116000	6.863			
1146-65-2	Naphthalene-d8	475000	8.145			
15067-26-2	Acenaphthene-d10	241000	9.904			
1517-22-2	Phenanthrene-d10	374000	11.392			
1719-03-5	Chrysene-d12	266000	14.033			
1520-96-3	Perylene-d12	318000	15.51			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1400	JB		2.13	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB		5.09	ug/Kg
000119-61-9	Benzophenone	120	J		10.6	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	190	J		13.9	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-004-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142185.D	1	03/28/25 09:40	03/31/25 17:27	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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_F\Data\BF033125\
Data File : BF142185.D
Acq On : 31 Mar 2025 17:27
Operator : RC/JU
Sample : Q1664-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

Quant Time: Mar 31 17:45:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	115530	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	474582	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	241354	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	374144m	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	266268	20.000	ng	0.00
86) Perylene-d12	15.510	264	317833	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	779634	112.627	ng	-0.01
7) Phenol-d6	6.487	99	1005465	114.081	ng	-0.02
23) Nitrobenzene-d5	7.428	82	623433	73.927	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	295749	96.590	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1373830	86.567	ng	-0.02
79) Terphenyl-d14	12.974	244	1217312	67.591	ng	-0.01
Target Compounds						Qvalue

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

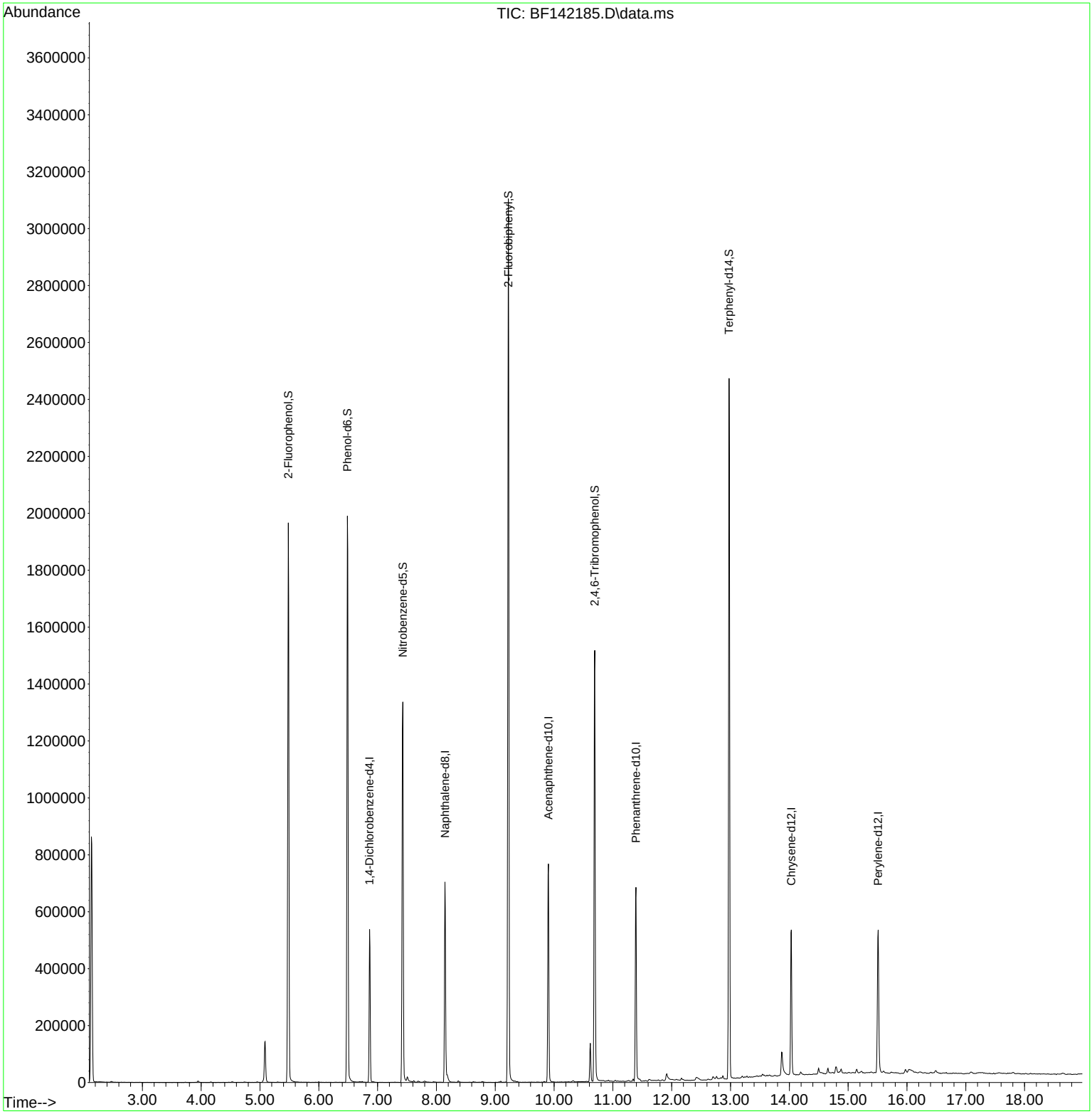
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142185.D
Acq On : 31 Mar 2025 17:27
Operator : RC/JU
Sample : Q1664-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

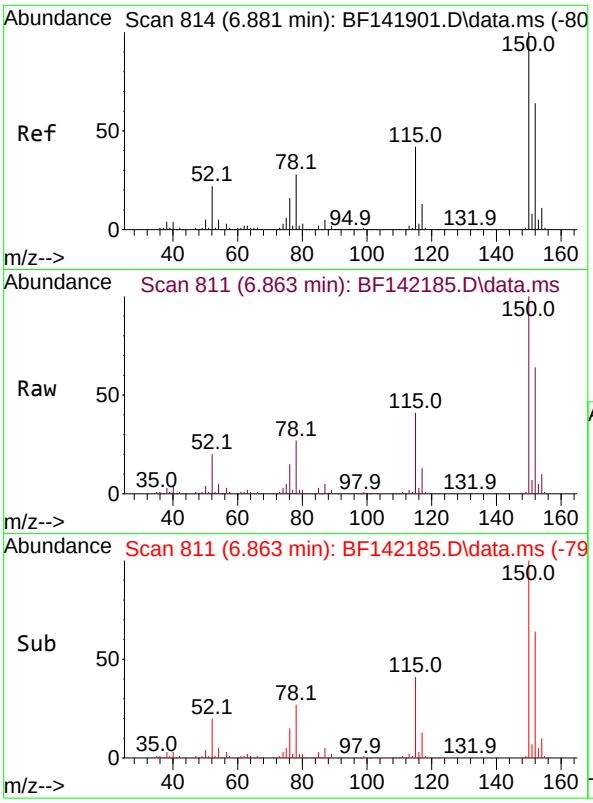
Quant Time: Mar 31 17:45:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

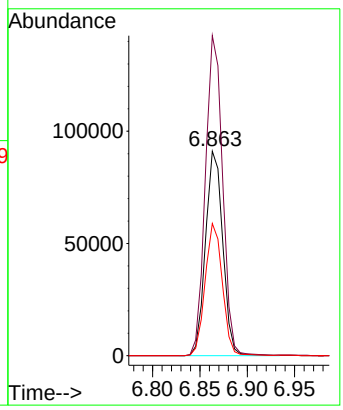




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion:152 Resp: 11553

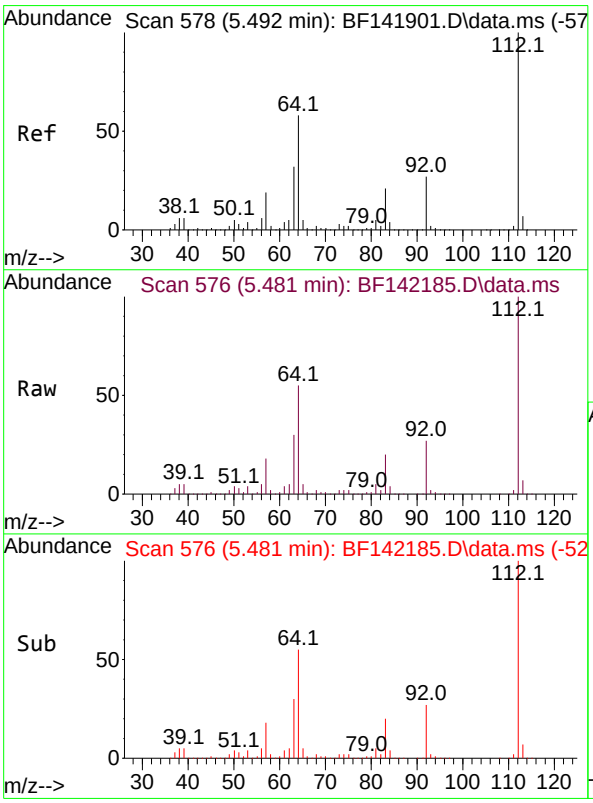
Ion	Ratio	Lower	Upper
152	100		
150	156.5	127.4	191.2
115	64.7	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

Manual Integrations
APPROVED

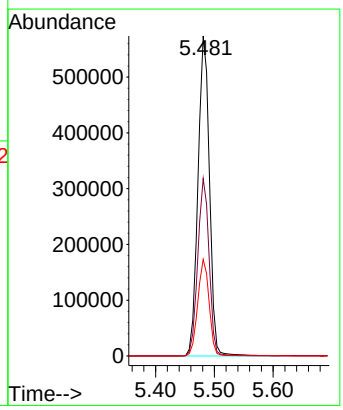
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

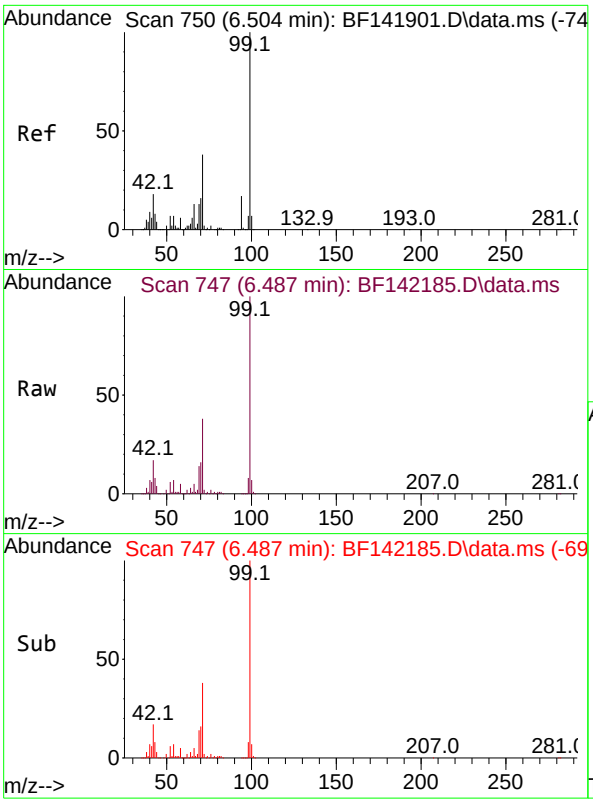


#5
2-Fluorophenol
Concen: 112.627 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion:112 Resp: 779634

Ion	Ratio	Lower	Upper
112	100		
64	55.5	46.5	69.7
63	30.2	25.4	38.2

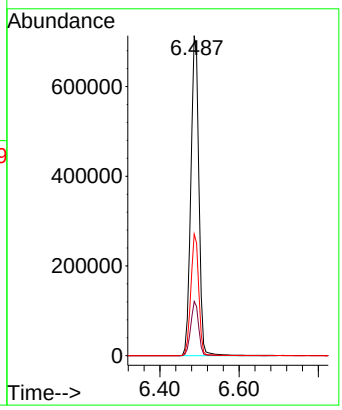




#7
Phenol-d6
Concen: 114.081 ng
RT: 6.487 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion: 99 Resp: 100546

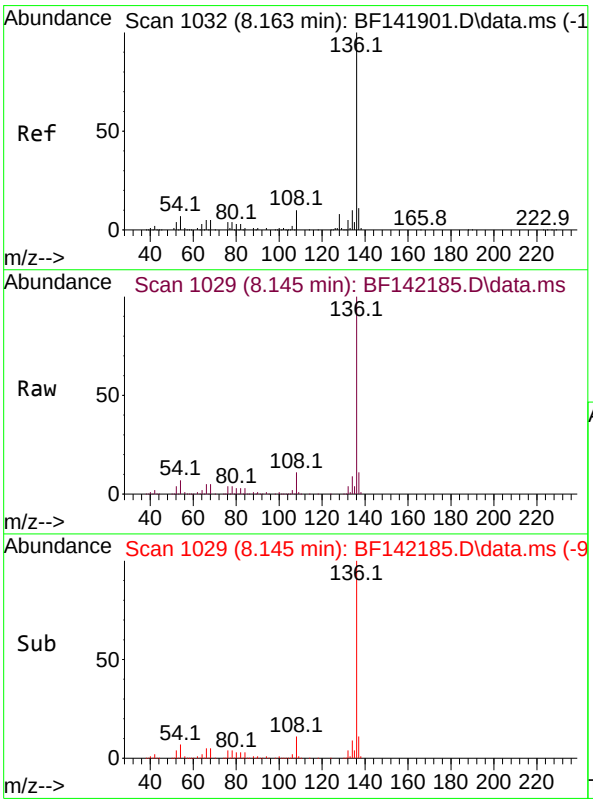
Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.6	21.8
71	38.0	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

Manual Integrations
APPROVED

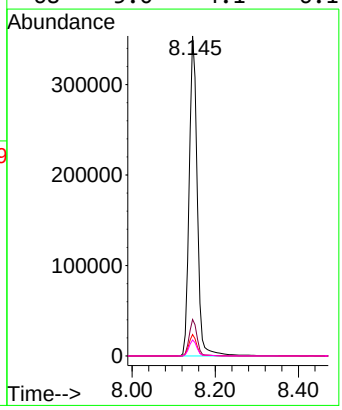
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

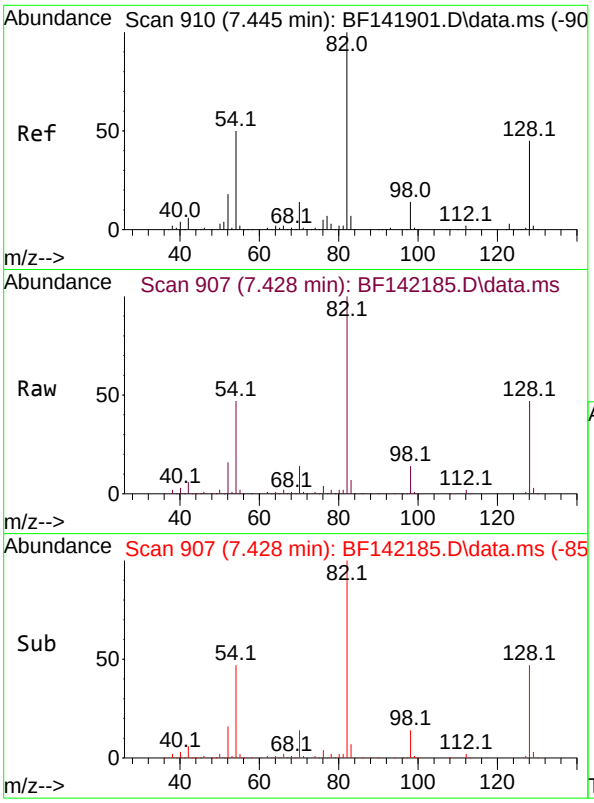


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion:136 Resp: 474582

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	6.7	5.8	8.8
68	5.0	4.1	6.1

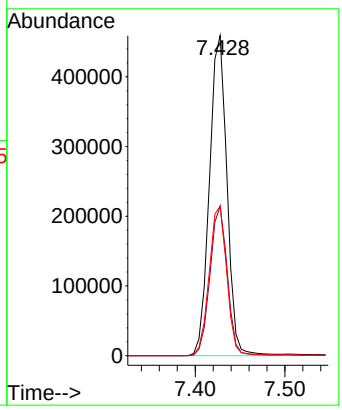




#23
Nitrobenzene-d5
Concen: 73.927 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion: 82 Resp: 62343

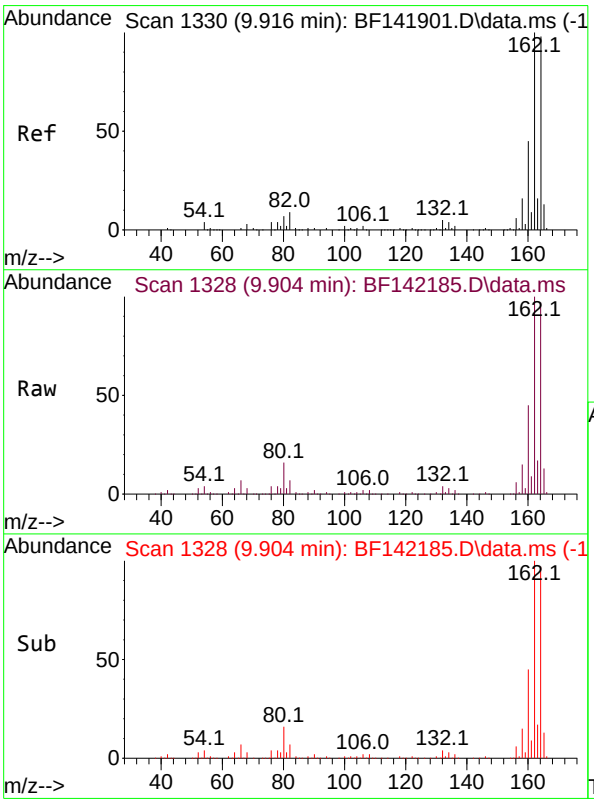
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.0	54.0
54	46.7	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

Manual Integrations
APPROVED

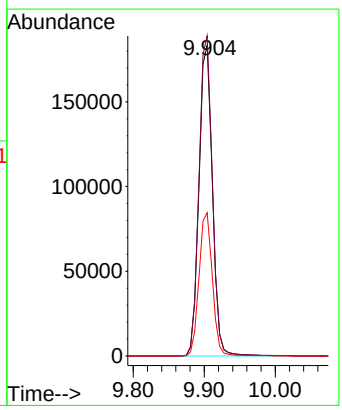
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

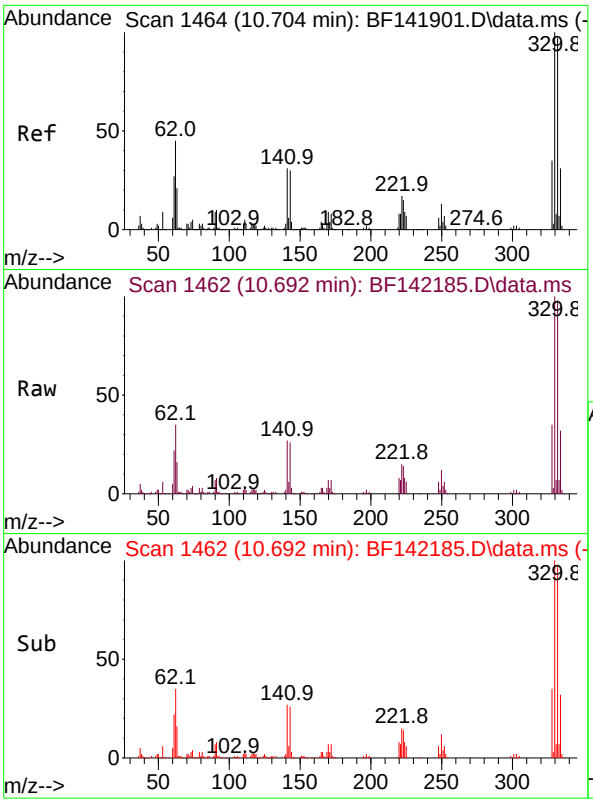


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion:164 Resp: 241354

Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.8	122.6
160	46.1	36.7	55.1

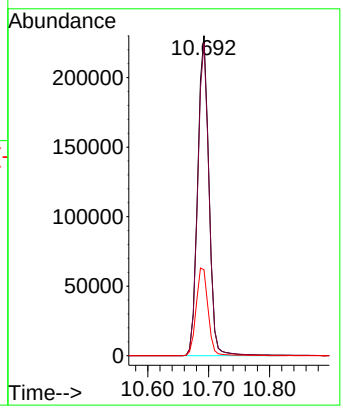




#42
2,4,6-Tribromophenol
Concen: 96.590 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion:330 Resp: 29574

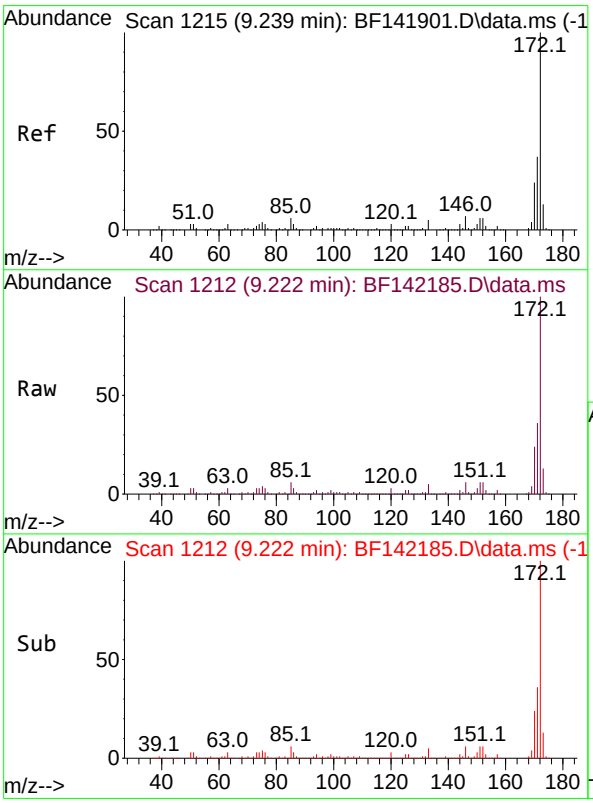
Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.6	116.4
141	29.1	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

Manual Integrations
APPROVED

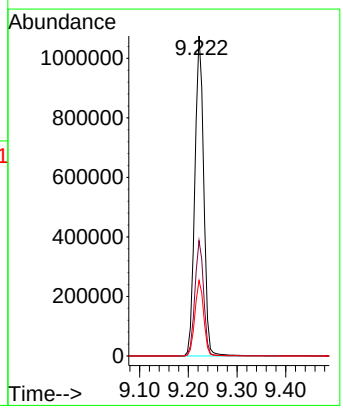
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

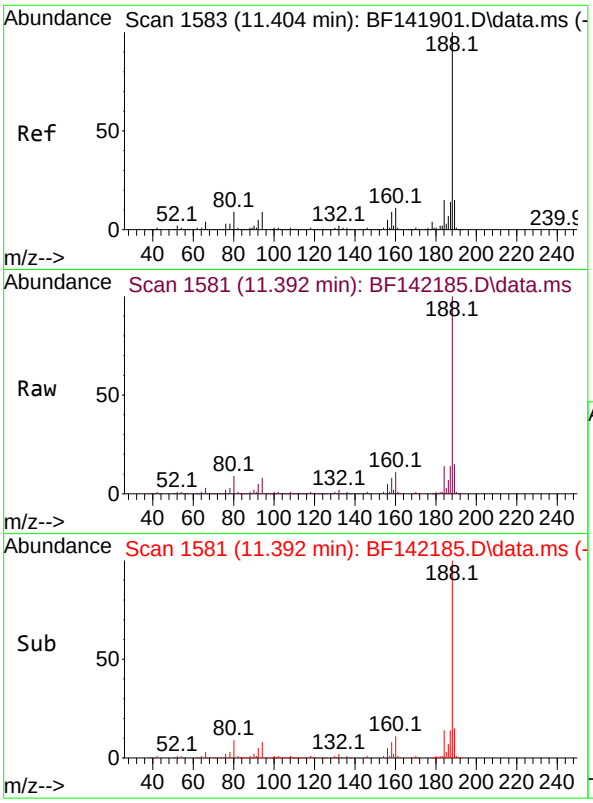


#45
2-Fluorobiphenyl
Concen: 86.567 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion:172 Resp: 1373830

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.3	43.9
170	23.6	19.4	29.0

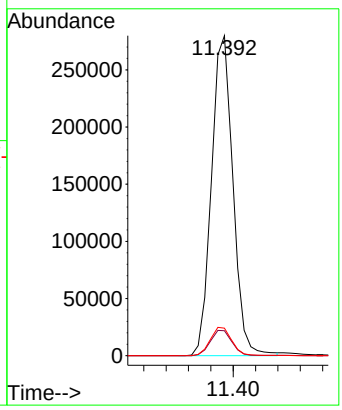




#64
Phenanthrene-d10
Concen: 20.000 ng m
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion:188 Resp: 37414

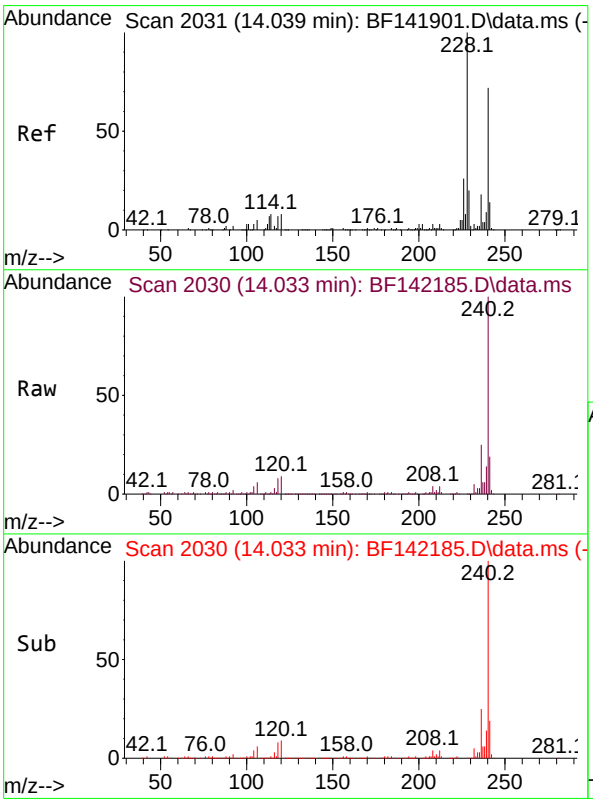
Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.8	10.2
80	8.6	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

Manual Integrations
APPROVED

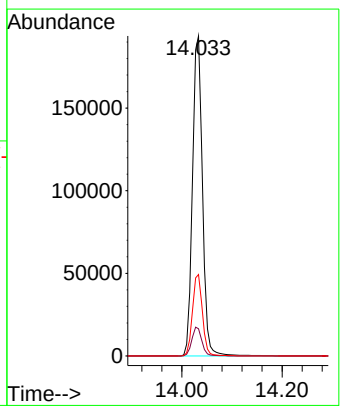
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

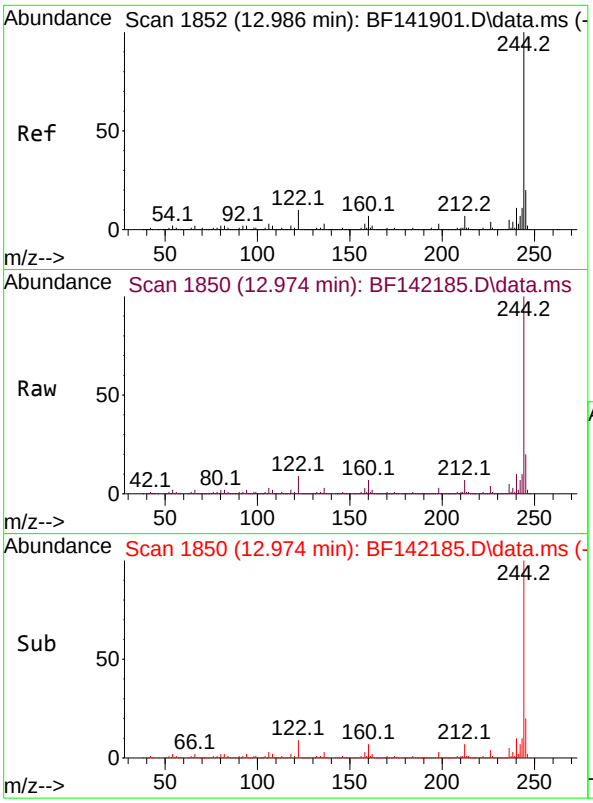


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion:240 Resp: 266268

Ion	Ratio	Lower	Upper
240	100		
120	8.5	8.4	12.6
236	25.4	20.5	30.7

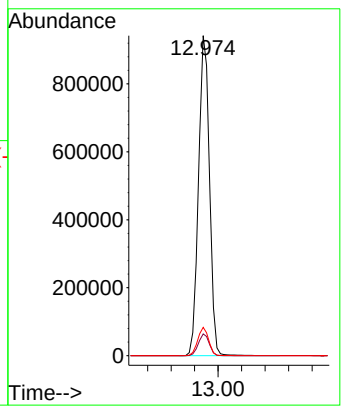




#79
Terphenyl-d14
Concen: 67.591 ng
RT: 12.974 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion:244 Resp: 121731

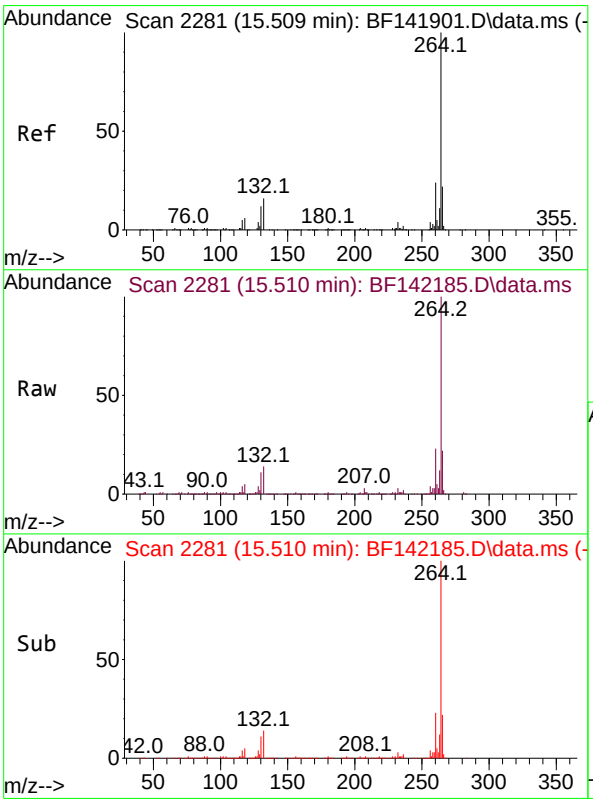
Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	8.8	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

Manual Integrations
APPROVED

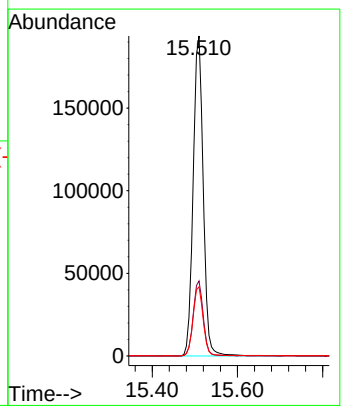
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142185.D
Acq: 31 Mar 2025 17:27

Tgt Ion:264 Resp: 317833

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	21.6	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142185.D
Acq On : 31 Mar 2025 17:27
Operator : RC/JU
Sample : Q1664-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142185.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.134	3	7	20	rVB	860496	1374696	34.89%	5.847%
2	5.087	498	509	519	rBV	143398	237604	6.03%	1.011%
3	5.481	570	576	597	rBV	1966022	2647631	67.19%	11.262%
4	6.487	741	747	773	rBV	1990425	2807257	71.25%	11.941%
5	6.863	806	811	819	rBV	536735	671263	17.04%	2.855%
6	7.428	900	907	916	rBV	1336989	1810544	45.95%	7.701%
7	8.145	1024	1029	1049	rBV	703737	954903	24.23%	4.062%
8	9.222	1206	1212	1228	rBV	3103742	3940283	100.00%	16.760%
9	9.904	1322	1328	1342	rVB	765915	1003782	25.47%	4.270%
10	10.616	1444	1449	1456	rBV	134704	173469	4.40%	0.738%
11	10.692	1456	1462	1475	rBV	1514105	2017073	51.19%	8.580%
12	11.392	1576	1581	1590	rBV	680800	913910	23.19%	3.887%
13	11.916	1663	1670	1682	rBV2	23856	64837	1.65%	0.276%
14	12.974	1844	1850	1858	rBV	2461853	3167863	80.40%	13.474%
15	13.869	1997	2002	2022	rBV	81505	188416	4.78%	0.801%
16	14.033	2024	2030	2038	rVB	508632	700202	17.77%	2.978%
17	15.510	2274	2281	2292	rBV	501112	836470	21.23%	3.558%

Sum of corrected areas: 23510203

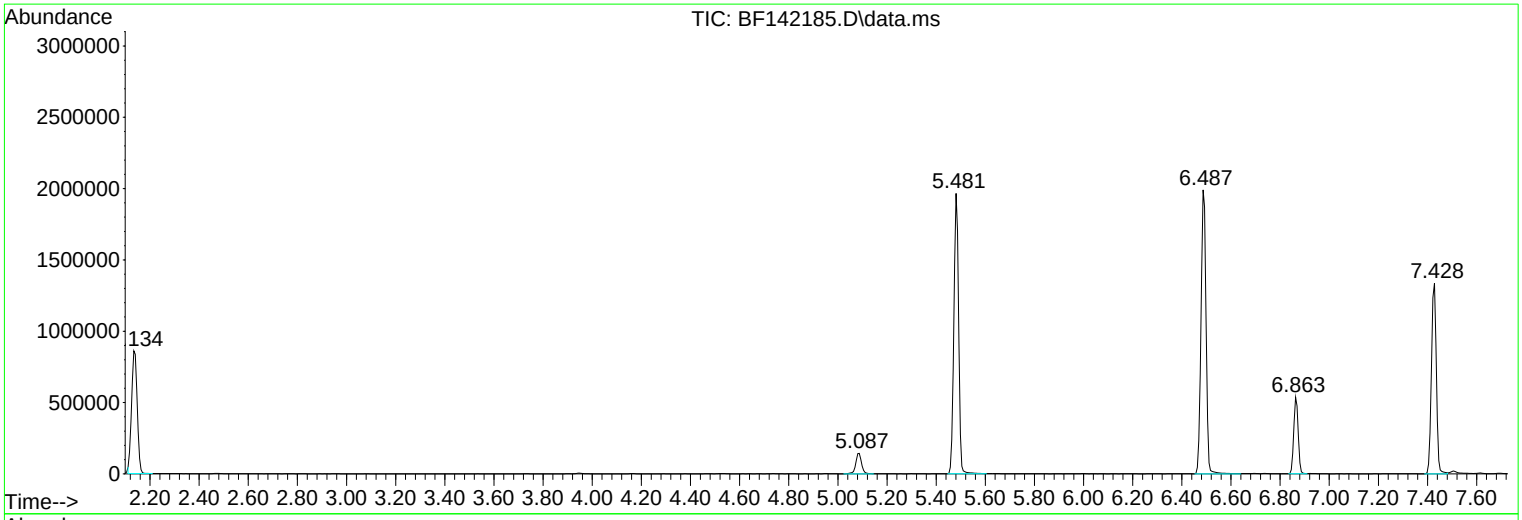
Sample Results: **BF142185.D**

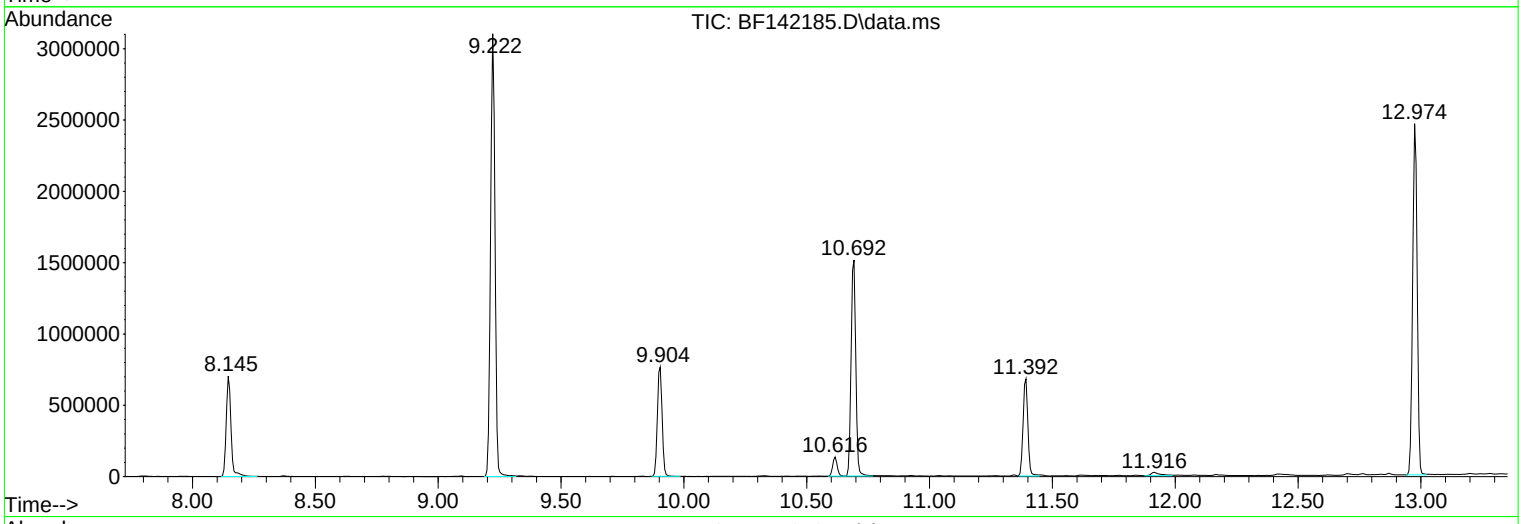
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142185.D
Acq On : 31 Mar 2025 17:27
Operator : RC/JU
Sample : Q1664-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

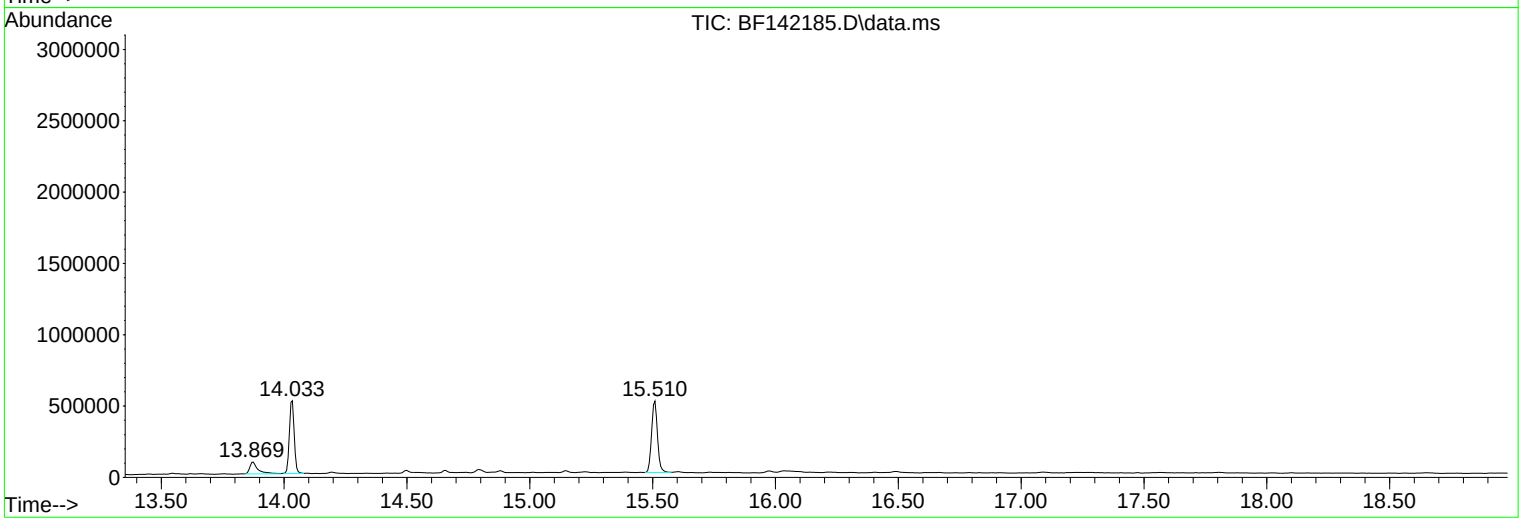
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142185.D
Acq On : 31 Mar 2025 17:27
Operator : RC/JU
Sample : Q1664-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

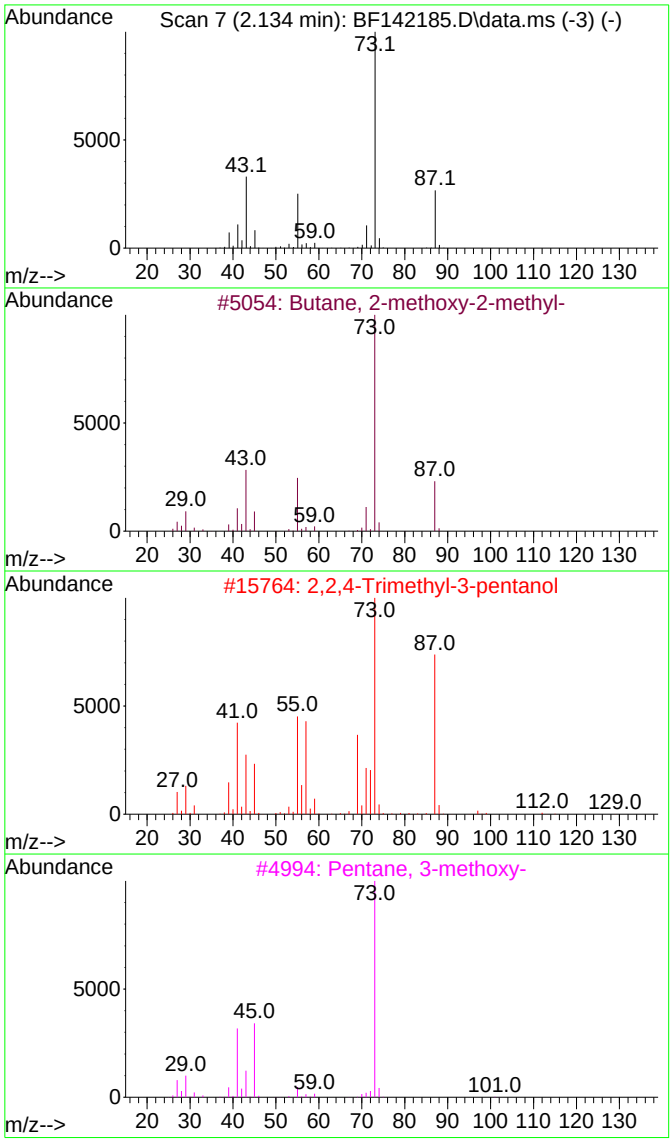
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

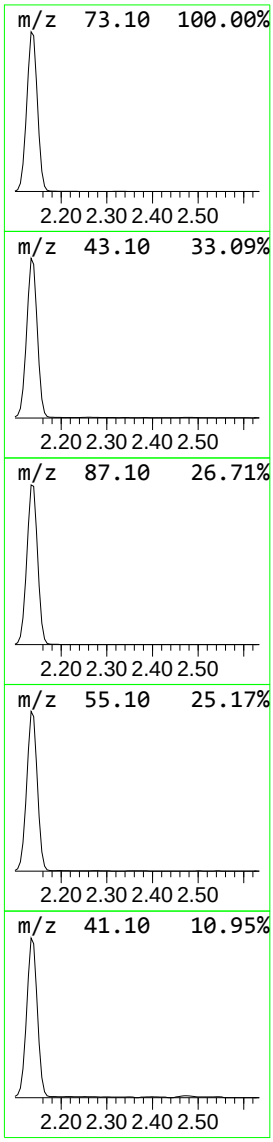
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.134	40.96 ng	1374700	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142185.D
Acq On : 31 Mar 2025 17:27
Operator : RC/JU
Sample : Q1664-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

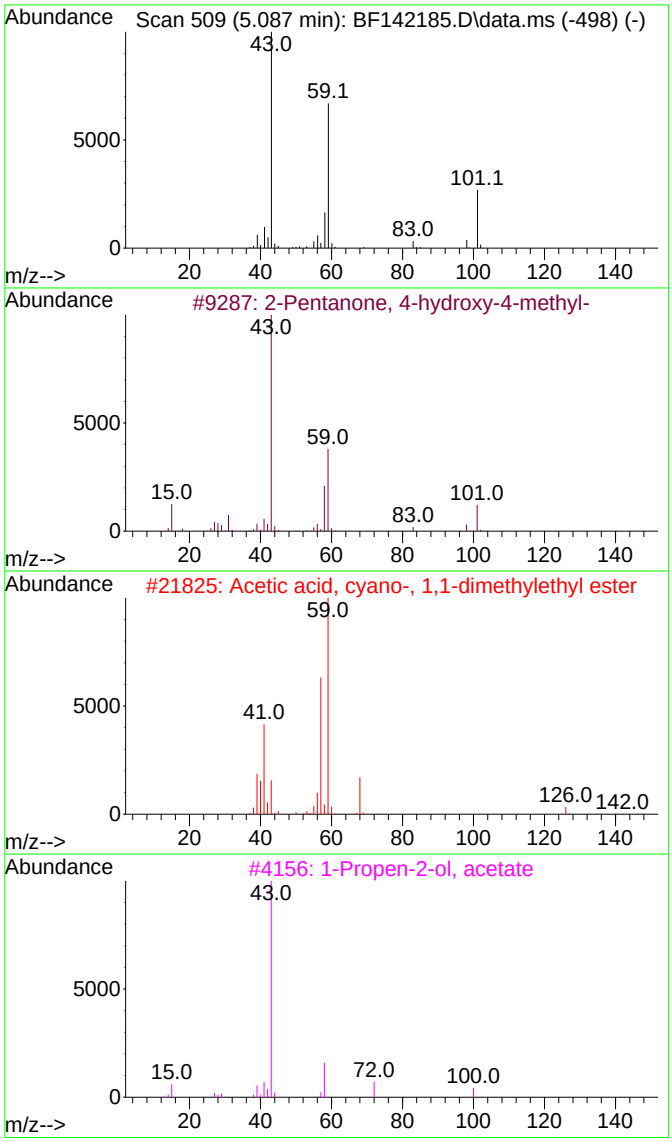
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

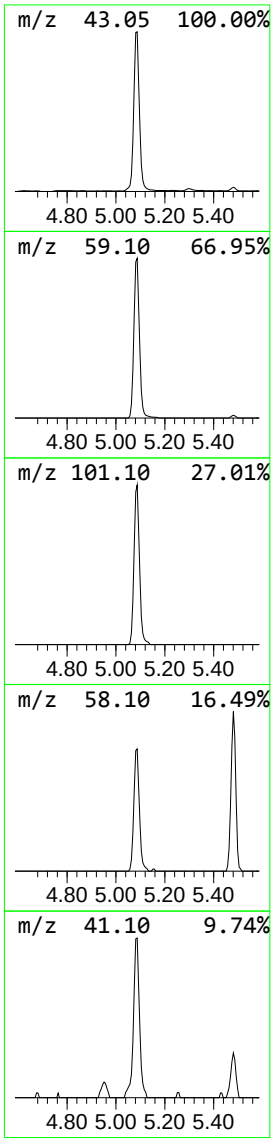
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	7.08 ng	237604	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142185.D
Acq On : 31 Mar 2025 17:27
Operator : RC/JU
Sample : Q1664-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

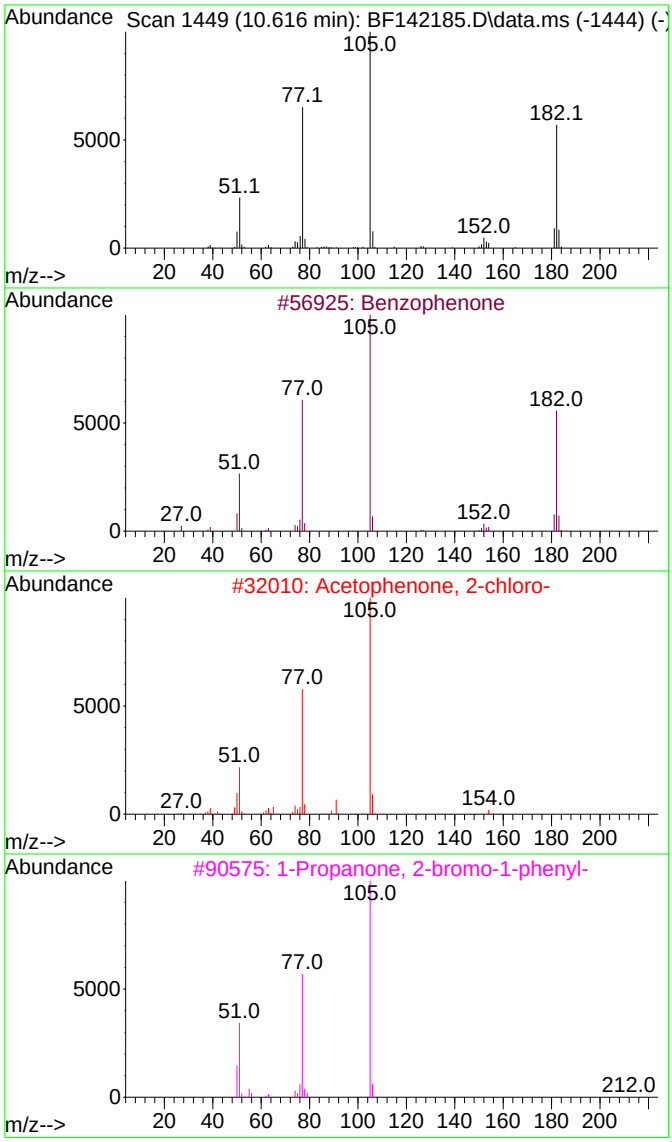
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

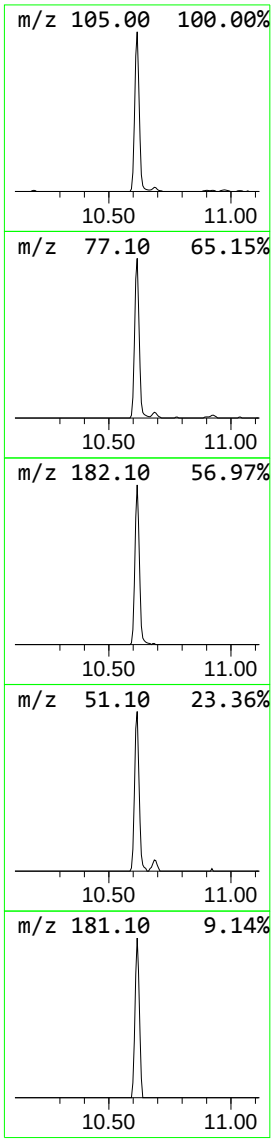
****

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	3.46 ng	173469	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
4	2-Chloro-1-phenyl-1-propanone	168	C9H9ClO	006084-17-9	47
5	N-Methylbenzamide, N-pentafluoro...	281	C11H8F5NO2	1000446-98-1	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142185.D
Acq On : 31 Mar 2025 17:27
Operator : RC/JU
Sample : Q1664-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

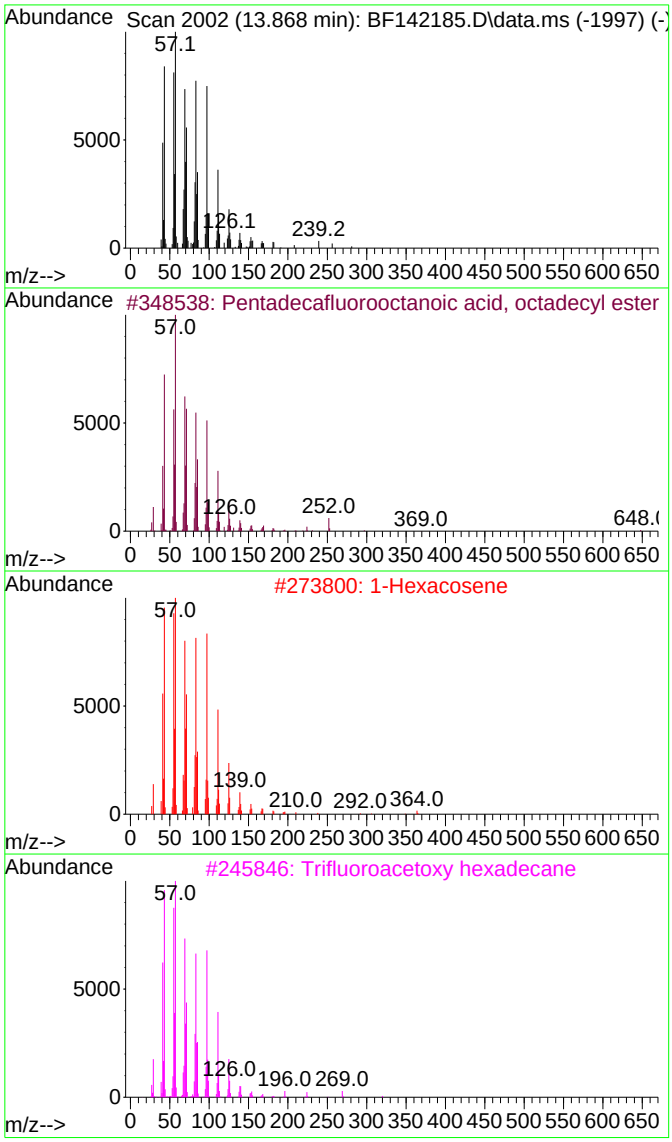
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

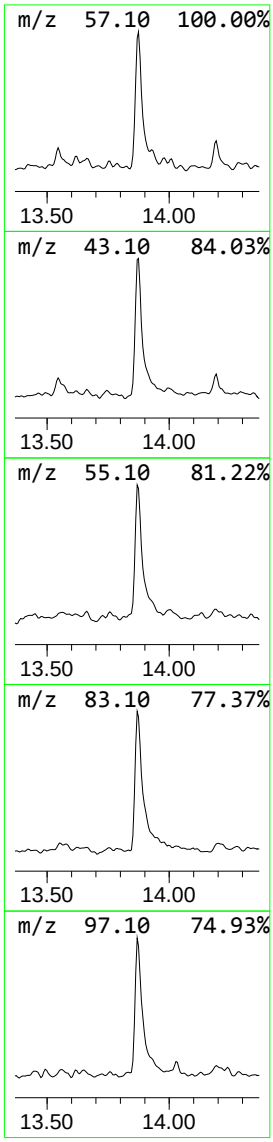
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentadecafluorooctanoic aci... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.868	5.38 ng	188416	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
2	1-Hexacosene	364	C26H52	018835-33-1	95
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
4	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	94
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142185.D
Acq On : 31 Mar 2025 17:27
Operator : RC/JU
Sample : Q1664-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-004-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.134	41.0	ng	1374700	1	6.863	671263	20.0
2-Pentanone, 4-...	5.087	7.1	ng	237604	1	6.863	671263	20.0
Benzophenone	10.616	3.5	ng	173469	3	9.904	1003780	20.0
Pentadecafluoro...	13.868	5.4	ng	188416	5	14.033	700202	20.0

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142189.D	1	03/28/25 09:40	03/31/25 19:26	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.1	U	24.1	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.5	U	26.5	190	ug/Kg
95-57-8	2-Chlorophenol	26.6	U	26.6	190	ug/Kg
95-48-7	2-Methylphenol	32.6	U	32.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.9	U	40.9	190	ug/Kg
98-86-2	Acetophenone	32.1	U	32.1	190	ug/Kg
65794-96-9	3+4-Methylphenols	44.8	U	44.8	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.6	U	51.6	87.2	ug/Kg
67-72-1	Hexachloroethane	19.2	U	19.2	190	ug/Kg
98-95-3	Nitrobenzene	19.9	U	19.9	190	ug/Kg
78-59-1	Isophorone	35.7	UQ	35.7	190	ug/Kg
88-75-5	2-Nitrophenol	63.4	U	63.4	190	ug/Kg
105-67-9	2,4-Dimethylphenol	70.6	U	70.6	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.6	U	33.6	190	ug/Kg
120-83-2	2,4-Dichlorophenol	30.8	U	30.8	190	ug/Kg
91-20-3	Naphthalene	24.7	U	24.7	190	ug/Kg
106-47-8	4-Chloroaniline	38.6	U	38.6	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.6	UQ	27.6	190	ug/Kg
105-60-2	Caprolactam	56.8	U	56.8	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.3	U	31.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	27.9	U	27.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	UQ	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.6	U	21.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.7	UQ	31.7	190	ug/Kg
92-52-4	1,1-Biphenyl	23.7	U	23.7	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.5	UQ	24.5	190	ug/Kg
88-74-4	2-Nitroaniline	52.4	U	52.4	190	ug/Kg
131-11-3	Dimethylphthalate	29.5	UQ	29.5	190	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142189.D	1	03/28/25 09:40	03/31/25 19:26	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.5	UQ	31.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.6	UQ	36.6	190	ug/Kg
99-09-2	3-Nitroaniline	50.1	U	50.1	190	ug/Kg
83-32-9	Acenaphthene	23.2	U	23.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.7	U	24.7	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.6	UQ	54.6	190	ug/Kg
84-66-2	Diethylphthalate	30.8	U	30.8	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.1	UQ	29.1	190	ug/Kg
86-73-7	Fluorene	27.6	U	27.6	190	ug/Kg
100-01-6	4-Nitroaniline	69.9	U	69.9	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	UQ	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.8	UQ	35.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.3	U	30.3	190	ug/Kg
118-74-1	Hexachlorobenzene	27.6	UQ	27.6	190	ug/Kg
1912-24-9	Atrazine	37.0	U	37.0	190	ug/Kg
87-86-5	Pentachlorophenol	55.9	UQ	55.9	360	ug/Kg
85-01-8	Phenanthrene	22.8	U	22.8	190	ug/Kg
120-12-7	Anthracene	36.3	UQ	36.3	190	ug/Kg
86-74-8	Carbazole	34.0	UQ	34.0	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.2	U	52.2	190	ug/Kg
206-44-0	Fluoranthene	32.7	U	32.7	190	ug/Kg
129-00-0	Pyrene	39.2	UQ	39.2	190	ug/Kg
85-68-7	Butylbenzylphthalate	77.8	U	77.8	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.0	UQ	40.0	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.1	UQ	25.1	190	ug/Kg
218-01-9	Chrysene	21.7	UQ	21.7	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.5	U	64.5	190	ug/Kg
117-84-0	Di-n-octyl phthalate	94.6	U	94.6	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.7	U	20.7	190	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142189.D	1	03/28/25 09:40	03/31/25 19:26	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.4	U	24.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.1	UQ	32.1	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.7	U	31.7	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.9	U	29.9	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.0	U	28.0	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.9	U	27.9	190	ug/Kg
123-91-1	1,4-Dioxane	49.2	U	49.2	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.9	U	29.9	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	95.6		18 - 112	64%	SPK: 150
13127-88-3	Phenol-d6	94.5		15 - 107	63%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.6		18 - 107	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.0		20 - 109	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	85.9		10 - 116	57%	SPK: 150
1718-51-0	Terphenyl-d14	55.2		10 - 105	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	107000	6.863			
1146-65-2	Naphthalene-d8	410000	8.145			
15067-26-2	Acenaphthene-d10	208000	9.904			
1517-22-2	Phenanthrene-d10	314000	11.392			
1719-03-5	Chrysene-d12	257000	14.027			
1520-96-3	Perylene-d12	317000	15.504			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1300	JB		2.13	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB		5.08	ug/Kg
000119-61-9	Benzophenone	110	J		10.6	ug/Kg
1000351-80-9	Docosyl pentafluoropropionate	140	J		13.9	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142189.D	1	03/28/25 09:40	03/31/25 19:26	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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_F\Data\BF033125\
Data File : BF142189.D
Acq On : 31 Mar 2025 19:26
Operator : RC/JU
Sample : Q1664-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-005-01

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

Quant Time: Apr 01 00:46:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	106775	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	409581	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	207976	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	314225m	20.000	ng	-0.01
76) Chrysene-d12	14.027	240	257304	20.000	ng	-0.01
86) Perylene-d12	15.504	264	316531	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	611366	95.560	ng	-0.01
7) Phenol-d6	6.487	99	769812	94.506	ng	-0.02
23) Nitrobenzene-d5	7.422	82	491903	67.587	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	226667	85.909	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1039970	76.047	ng	-0.02
79) Terphenyl-d14	12.975	244	961311	55.236	ng	-0.01
Target Compounds						Qvalue

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

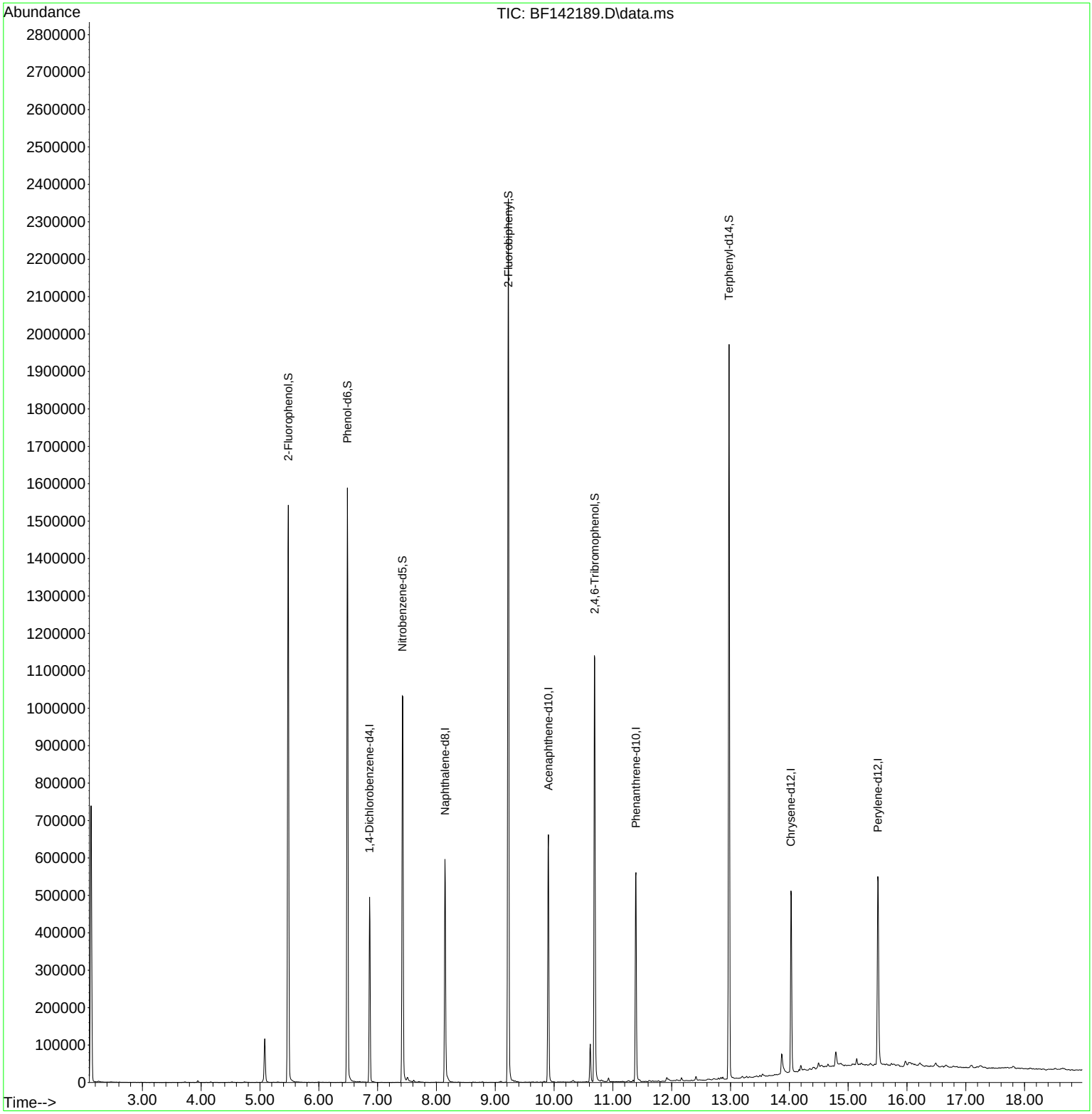
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142189.D
Acq On : 31 Mar 2025 19:26
Operator : RC/JU
Sample : Q1664-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

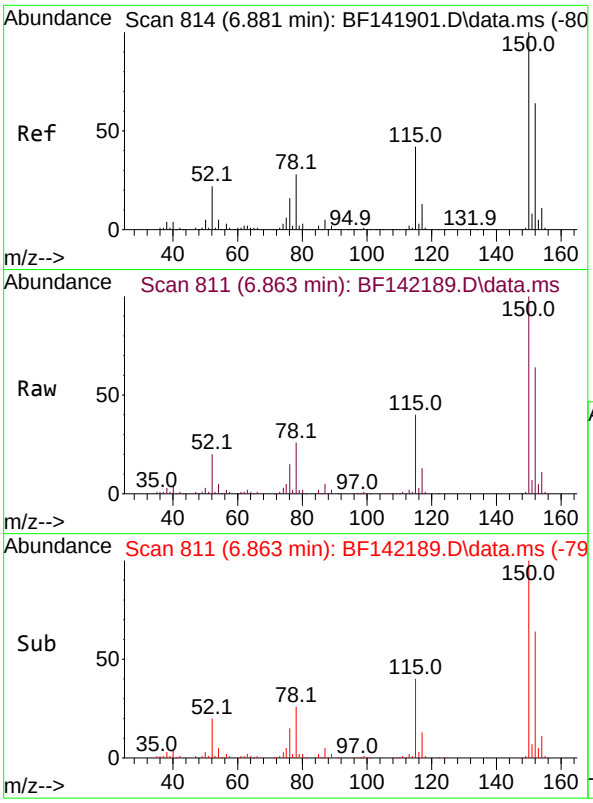
Quant Time: Apr 01 00:46:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-005-01

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

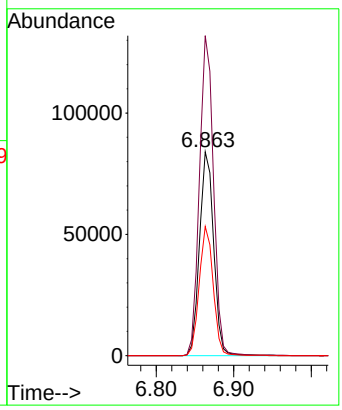




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142189.D
Acq: 31 Mar 2025 19:26

Tgt Ion:152 Resp: 10677

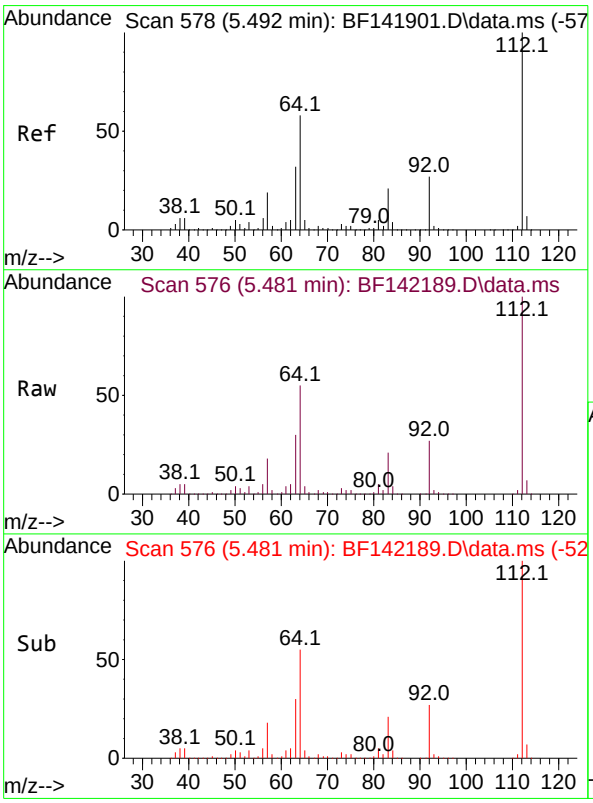
Ion	Ratio	Lower	Upper
152	100		
150	157.0	127.4	191.2
115	63.3	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-005-01

Manual Integrations
APPROVED

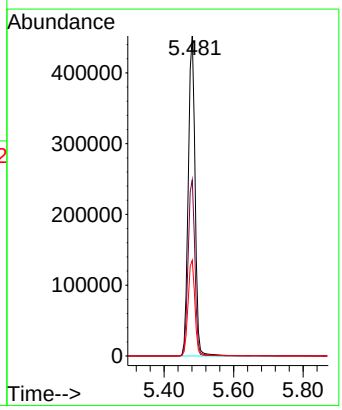
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

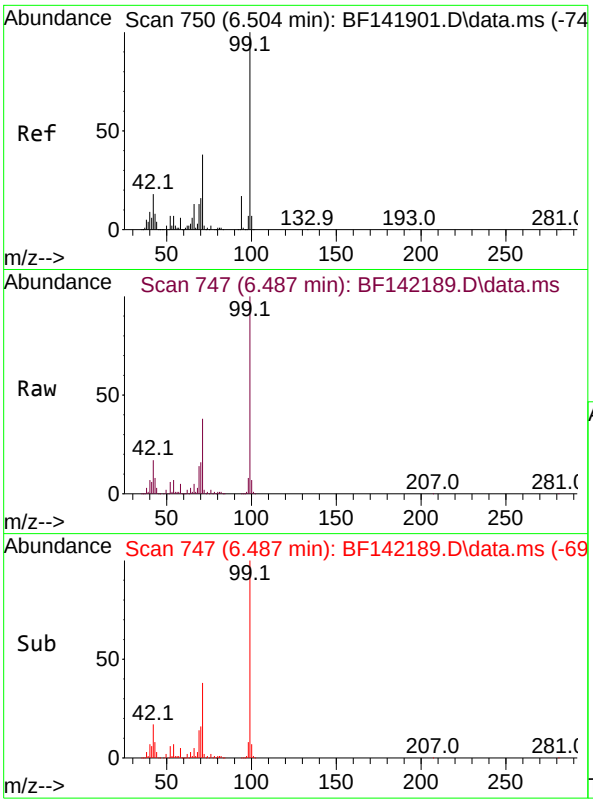


#5
2-Fluorophenol
Concen: 95.560 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142189.D
Acq: 31 Mar 2025 19:26

Tgt Ion:112 Resp: 611366

Ion	Ratio	Lower	Upper
112	100		
64	55.0	46.5	69.7
63	29.9	25.4	38.2

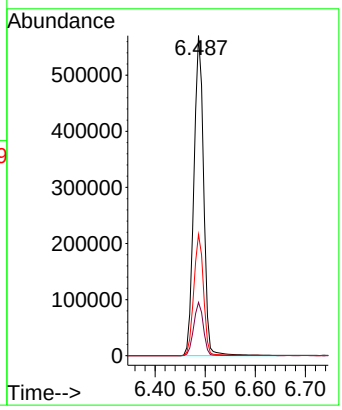




#7
Phenol-d6
Concen: 94.506 ng
RT: 6.487 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF142189.D
Acq: 31 Mar 2025 19:26

Tgt Ion: 99 Resp: 76981

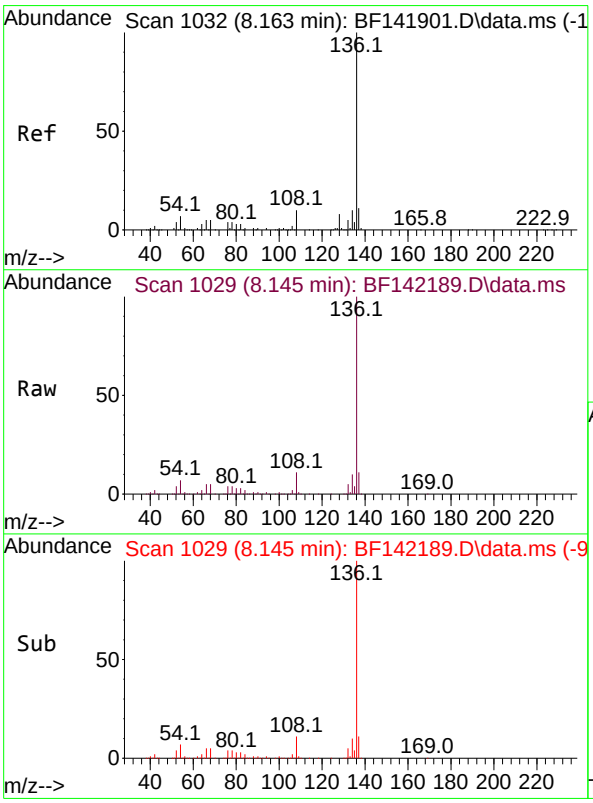
Ion	Ratio	Lower	Upper
99	100		
42	16.6	14.6	21.8
71	37.9	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-005-01

Manual Integrations
APPROVED

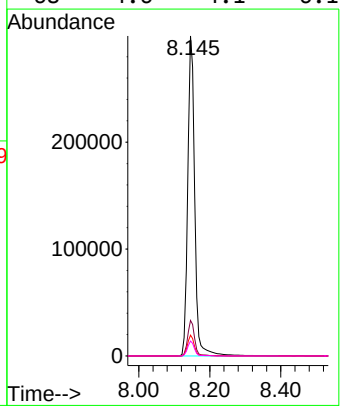
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

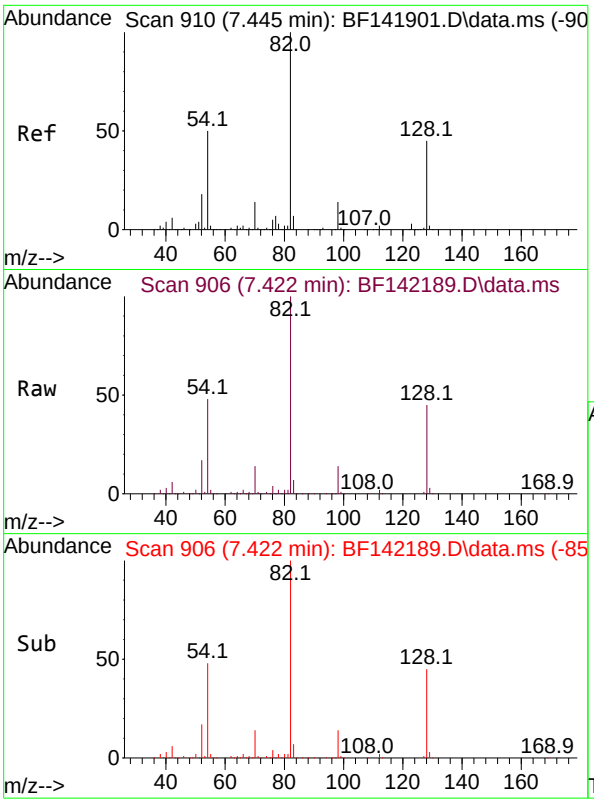


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142189.D
Acq: 31 Mar 2025 19:26

Tgt Ion:136 Resp: 409581

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.5	5.8	8.8
68	4.6	4.1	6.1





#23
Nitrobenzene-d5
Concen: 67.587 ng
RT: 7.422 min Scan# 9
Delta R.T. -0.023 min
Lab File: BF142189.D
Acq: 31 Mar 2025 19:26

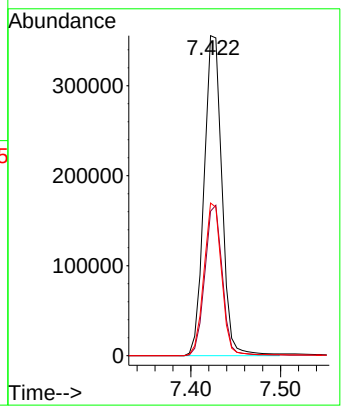
Tgt Ion: 82 Resp: 49190

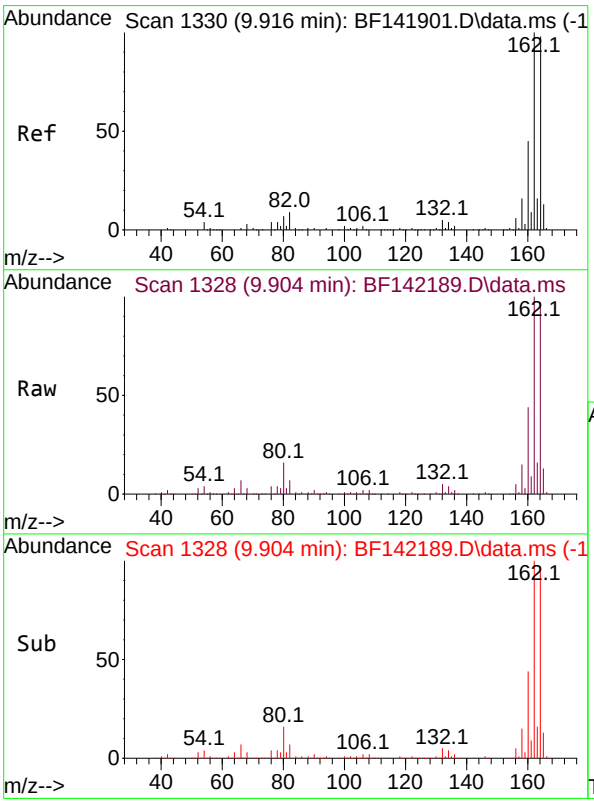
Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.0	54.0
54	47.7	39.6	59.4

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-005-01

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

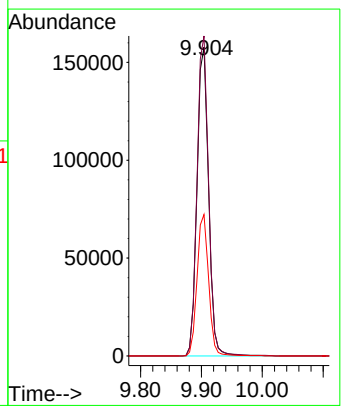


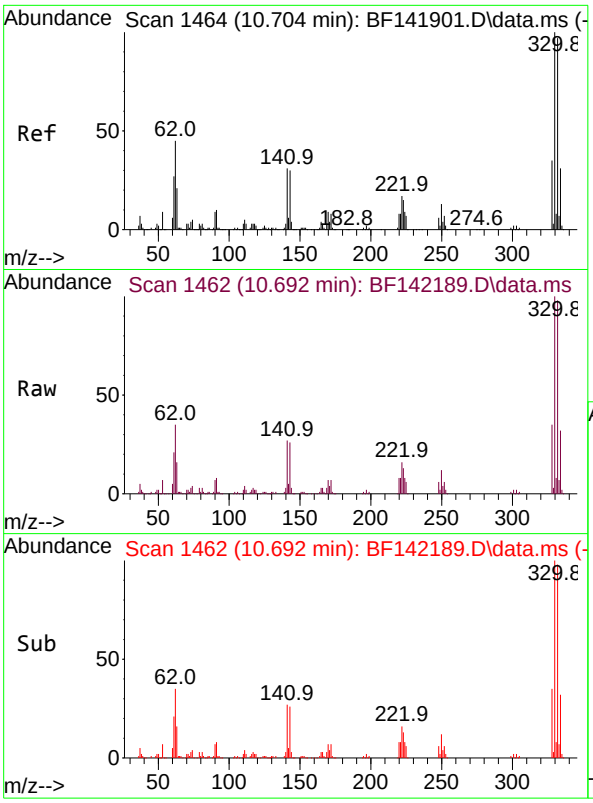


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142189.D
Acq: 31 Mar 2025 19:26

Tgt Ion:164 Resp: 207976

Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.8	122.6
160	45.8	36.7	55.1





#42
2,4,6-Tribromophenol
Concen: 85.909 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142189.D
Acq: 31 Mar 2025 19:26

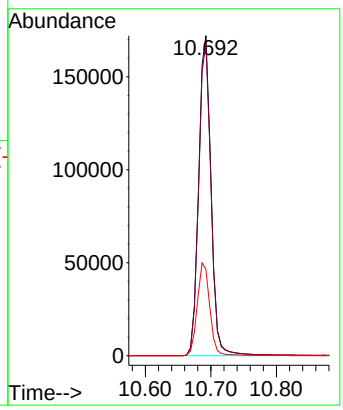
Tgt Ion:330 Resp: 22666

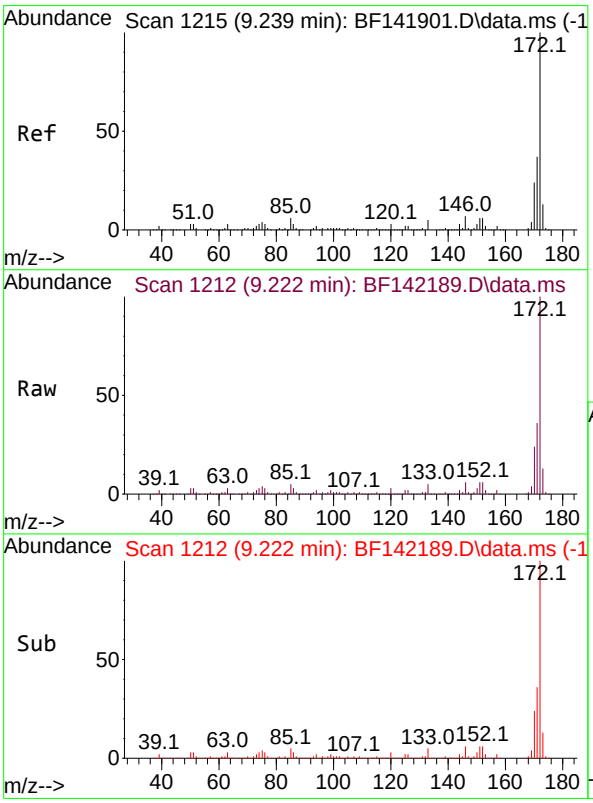
Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.6	116.4
141	29.4	24.7	37.1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-005-01

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

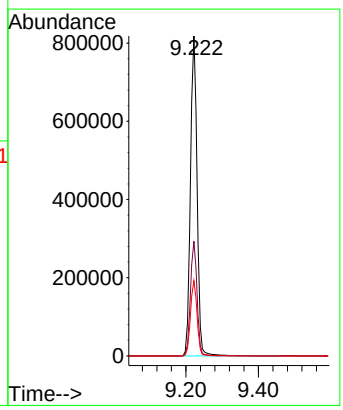


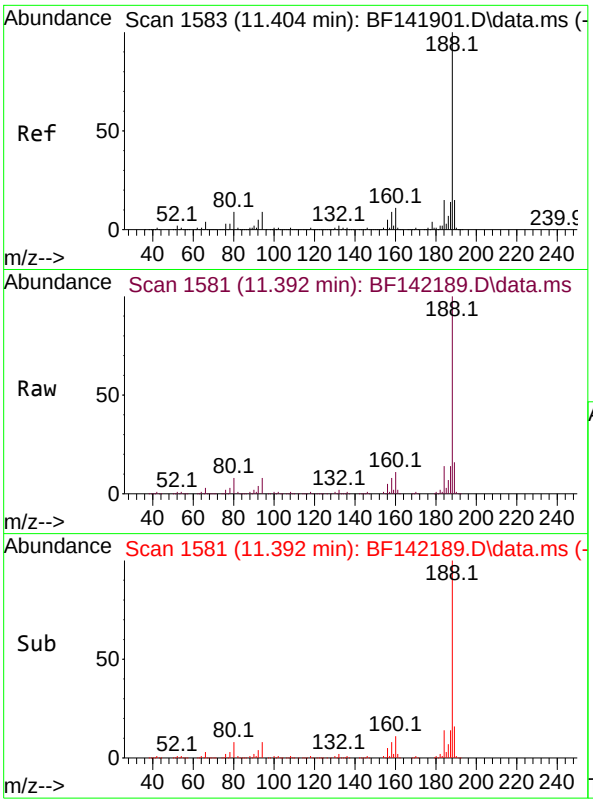


#45
2-Fluorobiphenyl
Concen: 76.047 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.017 min
Lab File: BF142189.D
Acq: 31 Mar 2025 19:26

Tgt Ion:172 Resp: 1039970

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.3	43.9
170	23.6	19.4	29.0

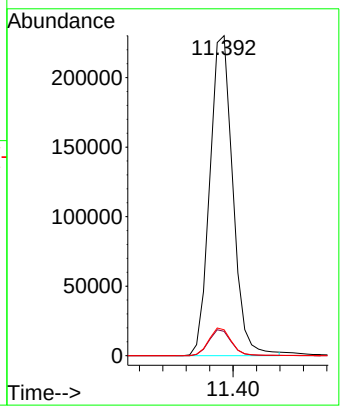




#64
Phenanthrene-d10
Concen: 20.000 ng m
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142189.D
Acq: 31 Mar 2025 19:26

Tgt Ion:188 Resp: 31422

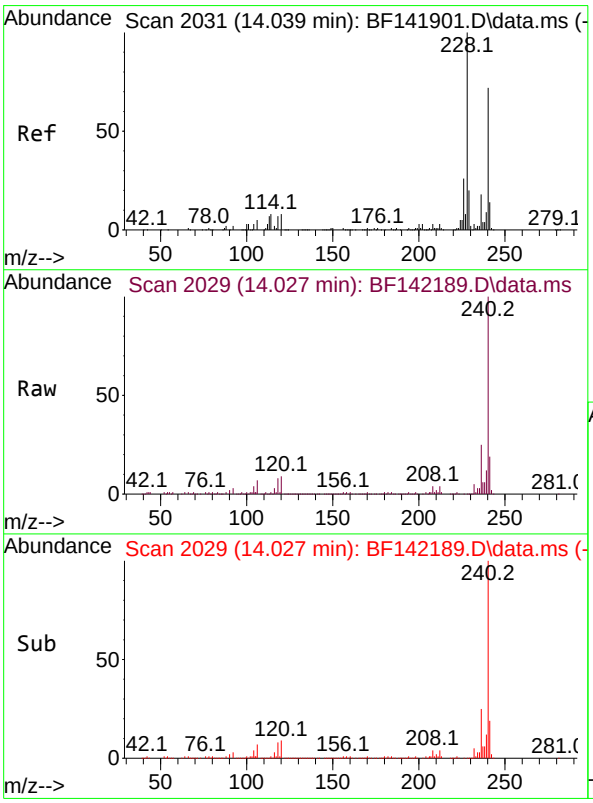
Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.8	10.2
80	8.1	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-005-01

Manual Integrations
APPROVED

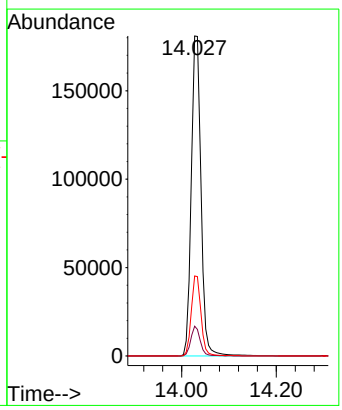
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

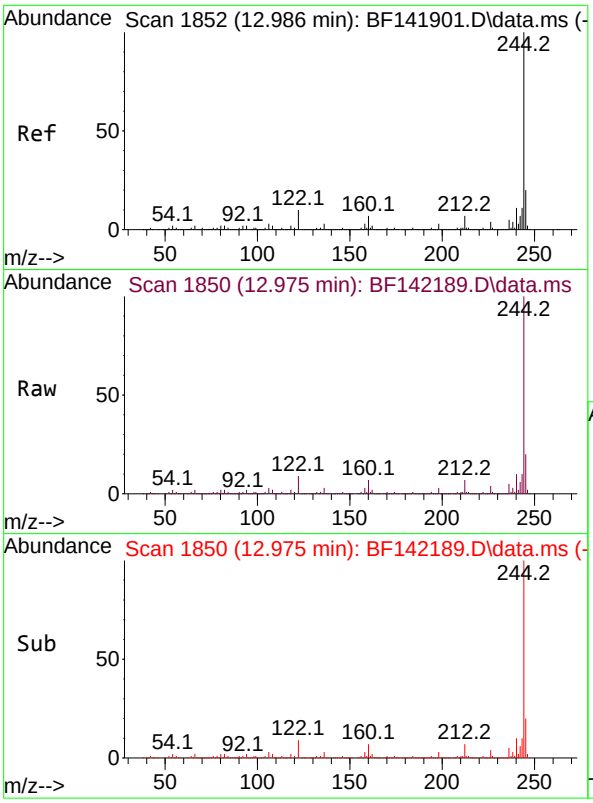


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF142189.D
Acq: 31 Mar 2025 19:26

Tgt Ion:240 Resp: 257304

Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.4	12.6
236	25.0	20.5	30.7

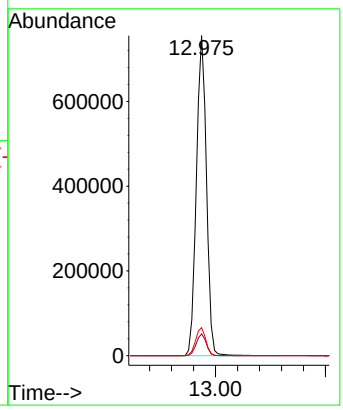




#79
Terphenyl-d14
Concen: 55.236 ng
RT: 12.975 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142189.D
Acq: 31 Mar 2025 19:26

Tgt Ion:244 Resp: 96131

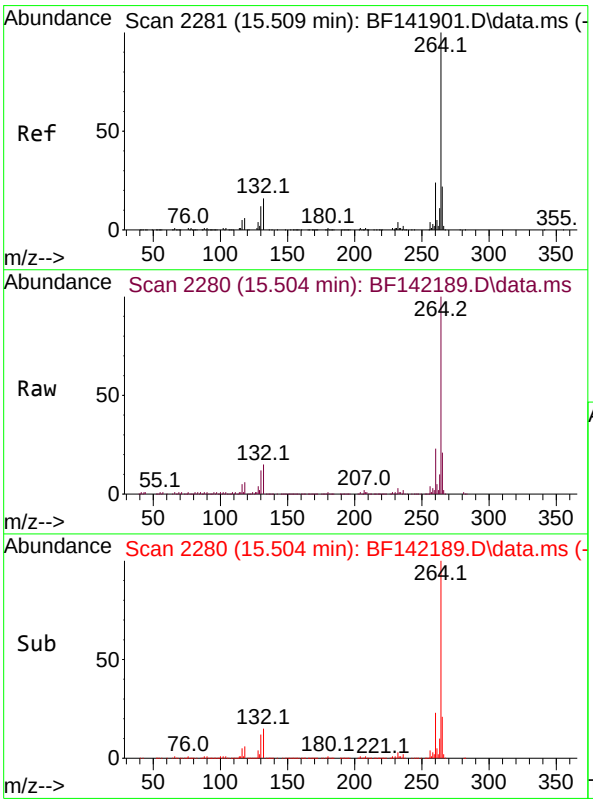
Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	8.7	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-005-01

Manual Integrations
APPROVED

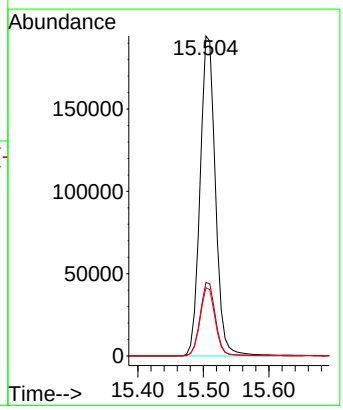
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF142189.D
Acq: 31 Mar 2025 19:26

Tgt Ion:264 Resp: 316531

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.1	28.7
265	21.4	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142189.D
Acq On : 31 Mar 2025 19:26
Operator : RC/JU
Sample : Q1664-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-005-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142189.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	6	23	rVB	737760	1062795	35.76%	5.643%
2	5.081	499	508	523	rVB	116717	182767	6.15%	0.970%
3	5.481	570	576	598	rBV	1542811	2083225	70.10%	11.060%
4	6.487	741	747	764	rBV	1588703	2145095	72.19%	11.389%
5	6.863	806	811	819	rBV	494655	615618	20.72%	3.268%
6	7.422	901	906	917	rBV	1032815	1430015	48.12%	7.592%
7	8.145	1024	1029	1048	rBV	595804	805858	27.12%	4.278%
8	9.222	1206	1212	1223	rBV	2360428	2971614	100.00%	15.777%
9	9.904	1322	1328	1339	rVB	660679	867817	29.20%	4.607%
10	10.616	1444	1449	1456	rBV	101262	133086	4.48%	0.707%
11	10.686	1456	1461	1478	rVV	1138149	1560991	52.53%	8.288%
12	11.392	1576	1581	1591	rBV	558251	764389	25.72%	4.058%
13	12.975	1844	1850	1859	rBV	1963392	2499428	84.11%	13.270%
14	13.869	1998	2002	2019	rBV	52347	126365	4.25%	0.671%
15	14.027	2024	2029	2040	rVV	484343	674236	22.69%	3.580%
16	14.792	2154	2159	2168	rBV4	37391	80000	2.69%	0.425%
17	15.504	2274	2280	2294	rBV	502305	832001	28.00%	4.417%

Sum of corrected areas: 18835300

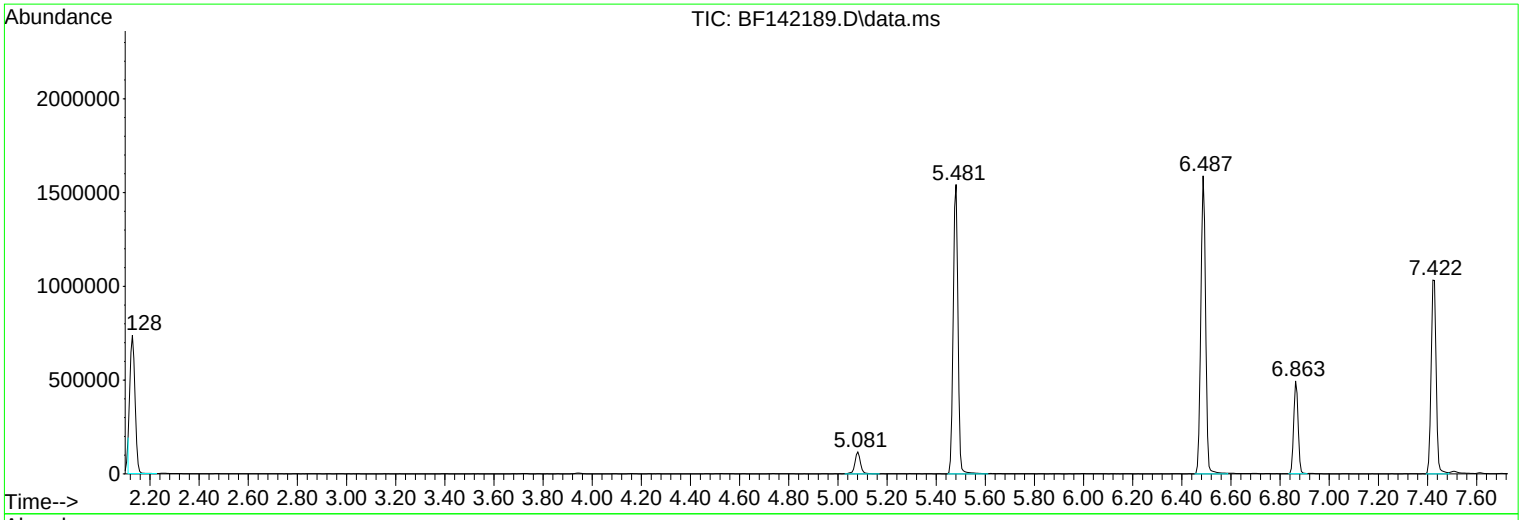
Sample Results: **BF142189.D**

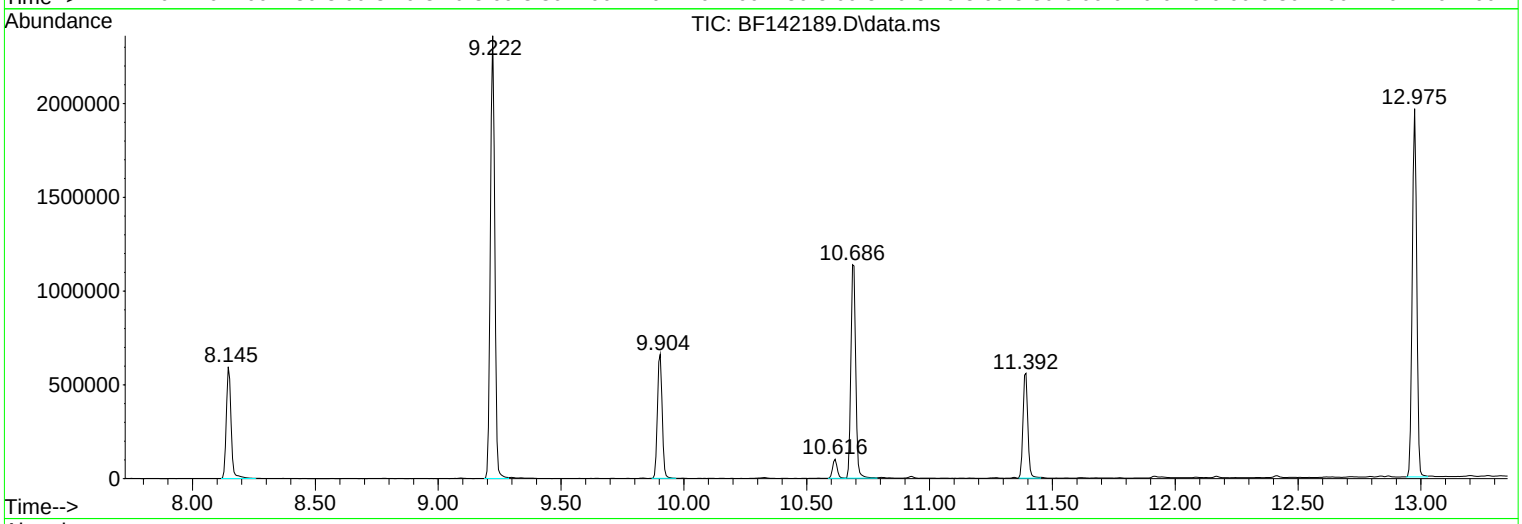
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142189.D
Acq On : 31 Mar 2025 19:26
Operator : RC/JU
Sample : Q1664-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

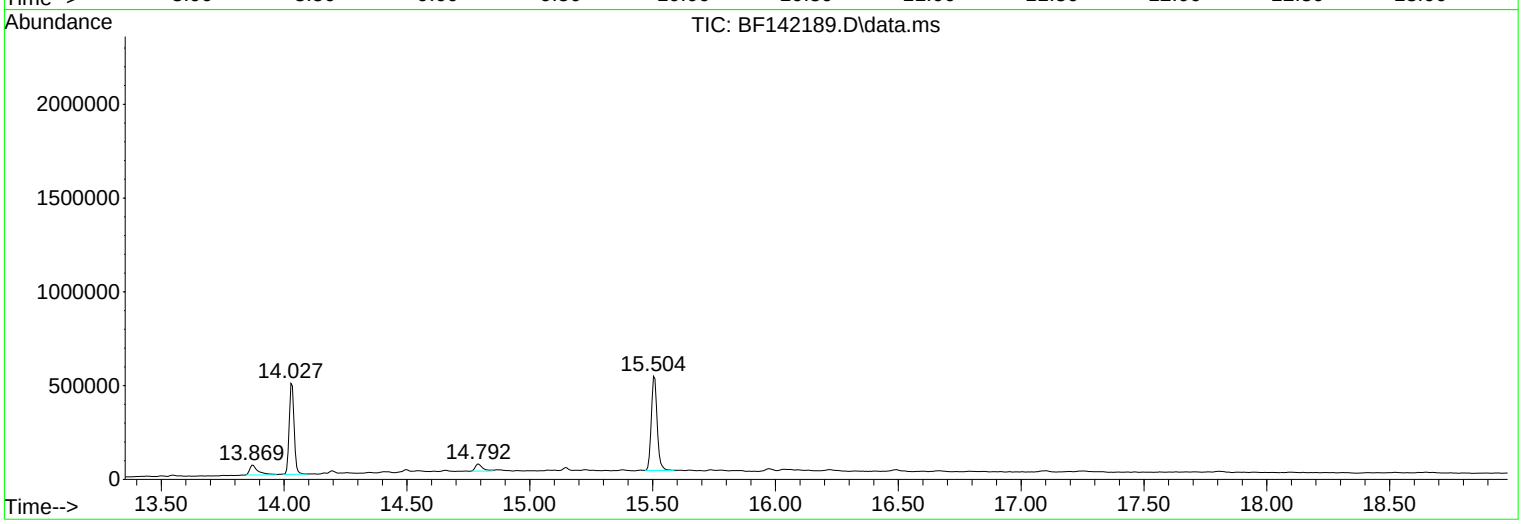
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-005-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142189.D
Acq On    : 31 Mar 2025  19:26
Operator  : RC/JU
Sample    : Q1664-15
Misc      :
ALS Vial  : 16   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

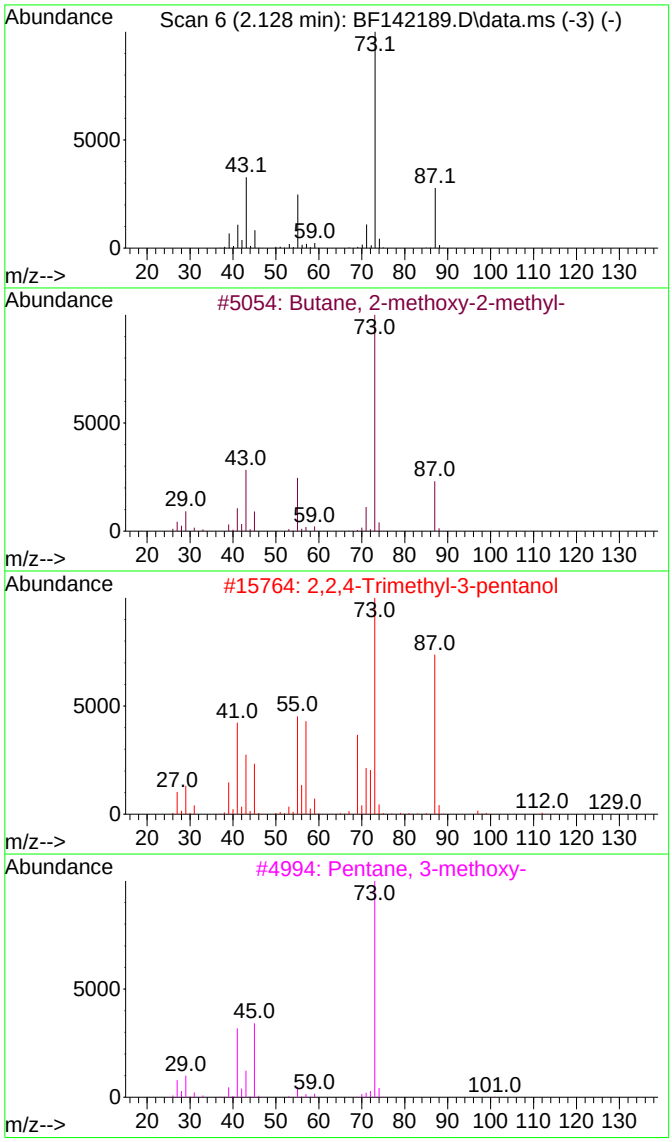
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-005-01

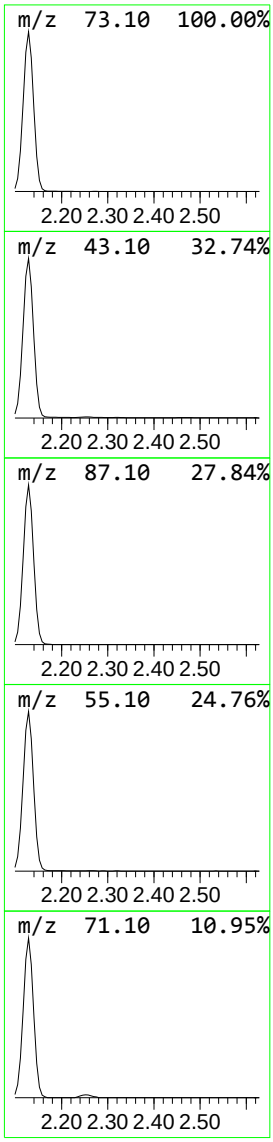
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	34.53 ng	1062800	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142189.D
Acq On : 31 Mar 2025 19:26
Operator : RC/JU
Sample : Q1664-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-005-01

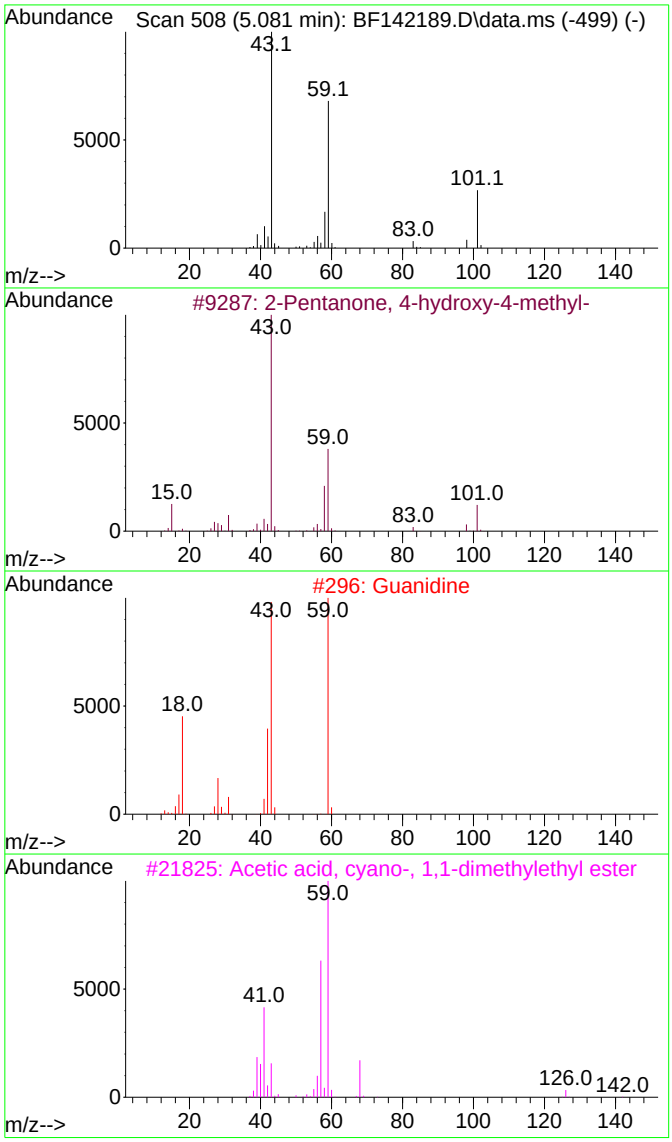
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

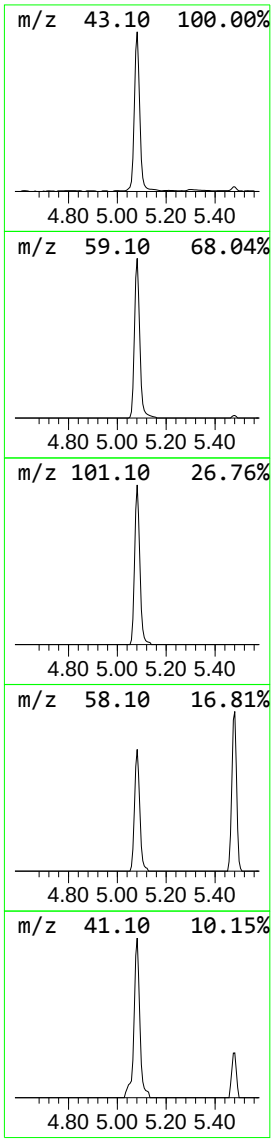
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	5.94 ng	182767	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Guanidine	59	CH5N3	000113-00-8	43
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142189.D
Acq On : 31 Mar 2025 19:26
Operator : RC/JU
Sample : Q1664-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-005-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

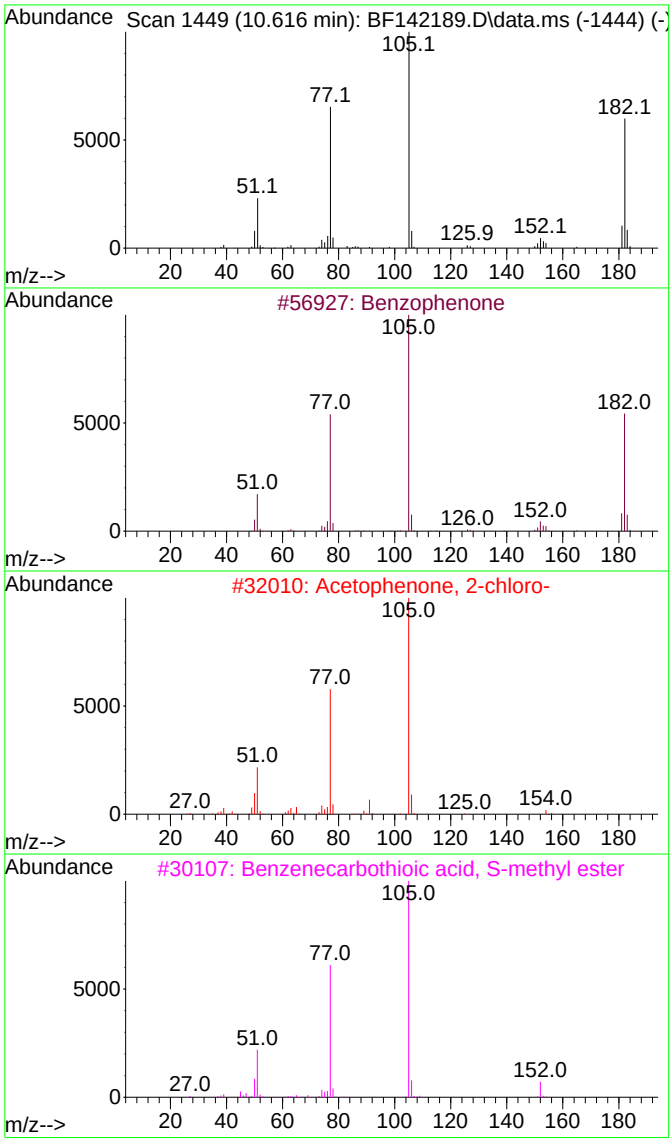
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

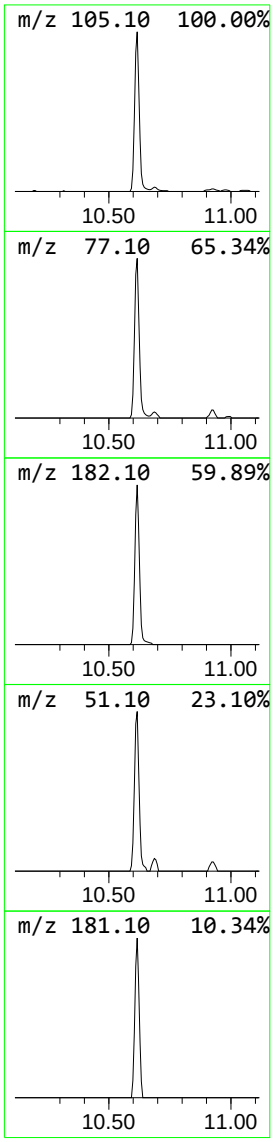
****

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	3.07 ng	133086	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
4	N-Methylbenzamide, N-pentafluoro...	281	C11H8F5NO2	1000446-98-1	47
5	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142189.D
Acq On : 31 Mar 2025 19:26
Operator : RC/JU
Sample : Q1664-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-005-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

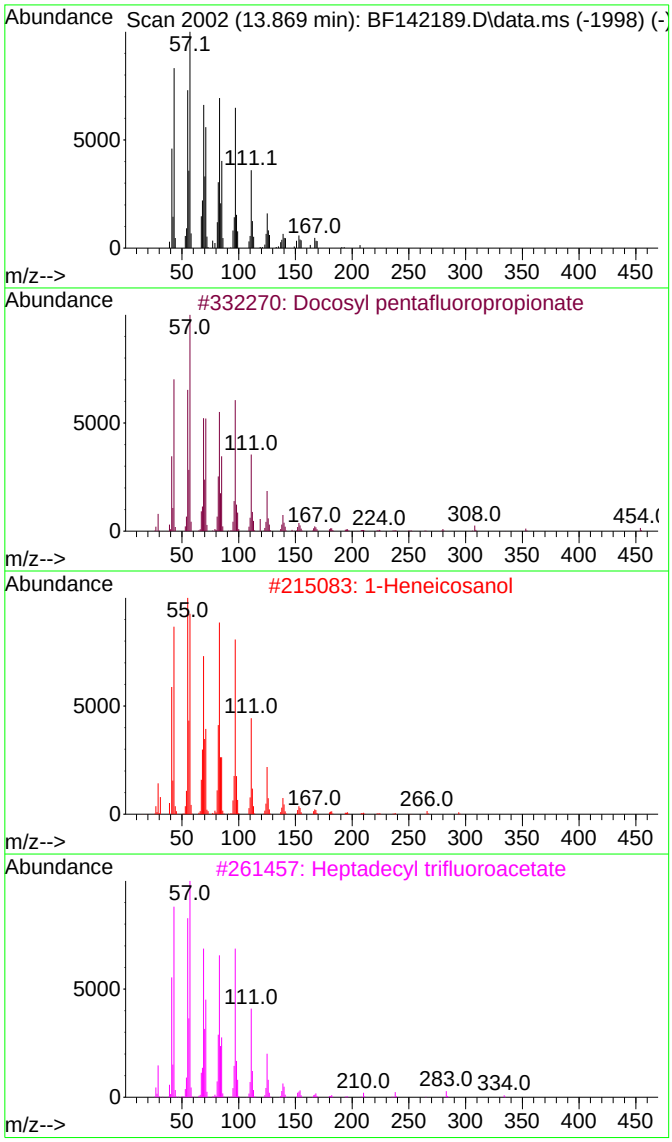
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

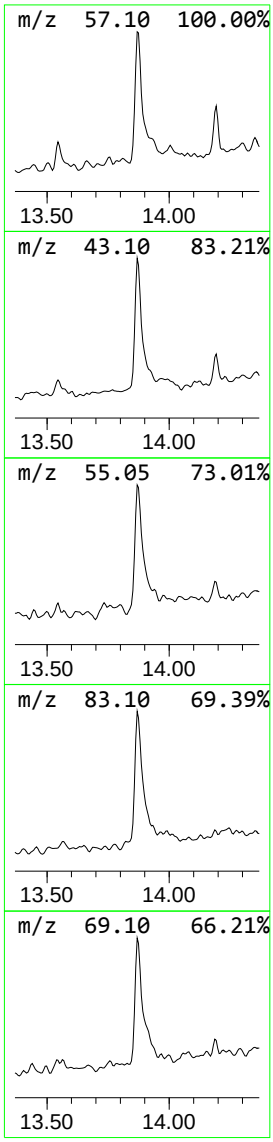
****

Peak Number 4 Docosyl pentafluoropropionate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.869	3.75 ng	126365	Chrysene-d12	14.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	94
2	1-Heneicosanol	312	C21H44O	015594-90-8	93
3	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	93
4	1-Hexacosene	364	C26H52	018835-33-1	93
5	Tricosyl pentafluoropropionate	486	C26H47F5O2	1000351-81-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142189.D
Acq On : 31 Mar 2025 19:26
Operator : RC/JU
Sample : Q1664-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-005-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.128	34.5	ng	1062800	1	6.863	615618	20.0
2-Pentanone, 4-...	5.081	5.9	ng	182767	1	6.863	615618	20.0
Benzophenone	10.616	3.1	ng	133086	3	9.904	867817	20.0
Docosyl pentafl...	13.869	3.8	ng	126365	5	14.027	674236	20.0

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01RE	SDG No.:	Q1664
Lab Sample ID:	Q1664-15RE	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049795.D	1	03/28/25 09:40	04/02/25 18:00	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.1	U	24.1	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.5	U	26.5	190	ug/Kg
95-57-8	2-Chlorophenol	26.6	U	26.6	190	ug/Kg
95-48-7	2-Methylphenol	32.6	U	32.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.9	U	40.9	190	ug/Kg
98-86-2	Acetophenone	32.1	U	32.1	190	ug/Kg
65794-96-9	3+4-Methylphenols	44.8	U	44.8	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.6	U	51.6	87.2	ug/Kg
67-72-1	Hexachloroethane	19.2	U	19.2	190	ug/Kg
98-95-3	Nitrobenzene	19.9	U	19.9	190	ug/Kg
78-59-1	Isophorone	35.7	UQ	35.7	190	ug/Kg
88-75-5	2-Nitrophenol	63.4	U	63.4	190	ug/Kg
105-67-9	2,4-Dimethylphenol	70.6	U	70.6	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.6	U	33.6	190	ug/Kg
120-83-2	2,4-Dichlorophenol	30.8	U	30.8	190	ug/Kg
91-20-3	Naphthalene	24.7	U	24.7	190	ug/Kg
106-47-8	4-Chloroaniline	38.6	U	38.6	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.6	UQ	27.6	190	ug/Kg
105-60-2	Caprolactam	56.8	U	56.8	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.3	U	31.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	27.9	U	27.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	UQ	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.6	U	21.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.7	UQ	31.7	190	ug/Kg
92-52-4	1,1-Biphenyl	23.7	U	23.7	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.5	UQ	24.5	190	ug/Kg
88-74-4	2-Nitroaniline	52.4	U	52.4	190	ug/Kg
131-11-3	Dimethylphthalate	29.5	UQ	29.5	190	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01RE	SDG No.:	Q1664
Lab Sample ID:	Q1664-15RE	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049795.D	1	03/28/25 09:40	04/02/25 18:00	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.5	UQ	31.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.6	UQ	36.6	190	ug/Kg
99-09-2	3-Nitroaniline	50.1	U	50.1	190	ug/Kg
83-32-9	Acenaphthene	23.2	U	23.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.7	U	24.7	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.6	UQ	54.6	190	ug/Kg
84-66-2	Diethylphthalate	30.8	U	30.8	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.1	UQ	29.1	190	ug/Kg
86-73-7	Fluorene	27.6	U	27.6	190	ug/Kg
100-01-6	4-Nitroaniline	69.9	U	69.9	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	UQ	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.8	UQ	35.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.3	U	30.3	190	ug/Kg
118-74-1	Hexachlorobenzene	27.6	UQ	27.6	190	ug/Kg
1912-24-9	Atrazine	37.0	U	37.0	190	ug/Kg
87-86-5	Pentachlorophenol	55.9	UQ	55.9	360	ug/Kg
85-01-8	Phenanthrene	22.8	U	22.8	190	ug/Kg
120-12-7	Anthracene	36.3	UQ	36.3	190	ug/Kg
86-74-8	Carbazole	34.0	UQ	34.0	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.2	U	52.2	190	ug/Kg
206-44-0	Fluoranthene	32.7	U	32.7	190	ug/Kg
129-00-0	Pyrene	39.2	UQ	39.2	190	ug/Kg
85-68-7	Butylbenzylphthalate	77.8	U	77.8	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.0	UQ	40.0	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.1	UQ	25.1	190	ug/Kg
218-01-9	Chrysene	21.7	UQ	21.7	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.5	U	64.5	190	ug/Kg
117-84-0	Di-n-octyl phthalate	94.6	U	94.6	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.7	U	20.7	190	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-005-01RE	SDG No.:	Q1664
Lab Sample ID:	Q1664-15RE	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049795.D	1	03/28/25 09:40	04/02/25 18:00	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.4	U	24.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.1	UQ	32.1	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.7	U	31.7	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.9	U	29.9	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.0	U	28.0	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.9	U	27.9	190	ug/Kg
123-91-1	1,4-Dioxane	49.2	U	49.2	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.9	U	29.9	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	103		18 - 112	69%	SPK: 150
13127-88-3	Phenol-d6	107		15 - 107	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.2		18 - 107	71%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.6		20 - 109	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	117		10 - 116	78%	SPK: 150
1718-51-0	Terphenyl-d14	78.1		10 - 105	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	265000	7.786			
1146-65-2	Naphthalene-d8	908000	10.58			
15067-26-2	Acenaphthene-d10	583000	14.427			
1517-22-2	Phenanthrene-d10	1150000	17.168			
1719-03-5	Chrysene-d12	1240000	21.403			
1520-96-3	Perylene-d12	1250000	24.397			

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\BM040225\
Data File : BM049795.D
Acq On : 02 Apr 2025 18:00
Operator : RC/JU
Sample : Q1664-15RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-005-01RE

Quant Time: Apr 03 00:48:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

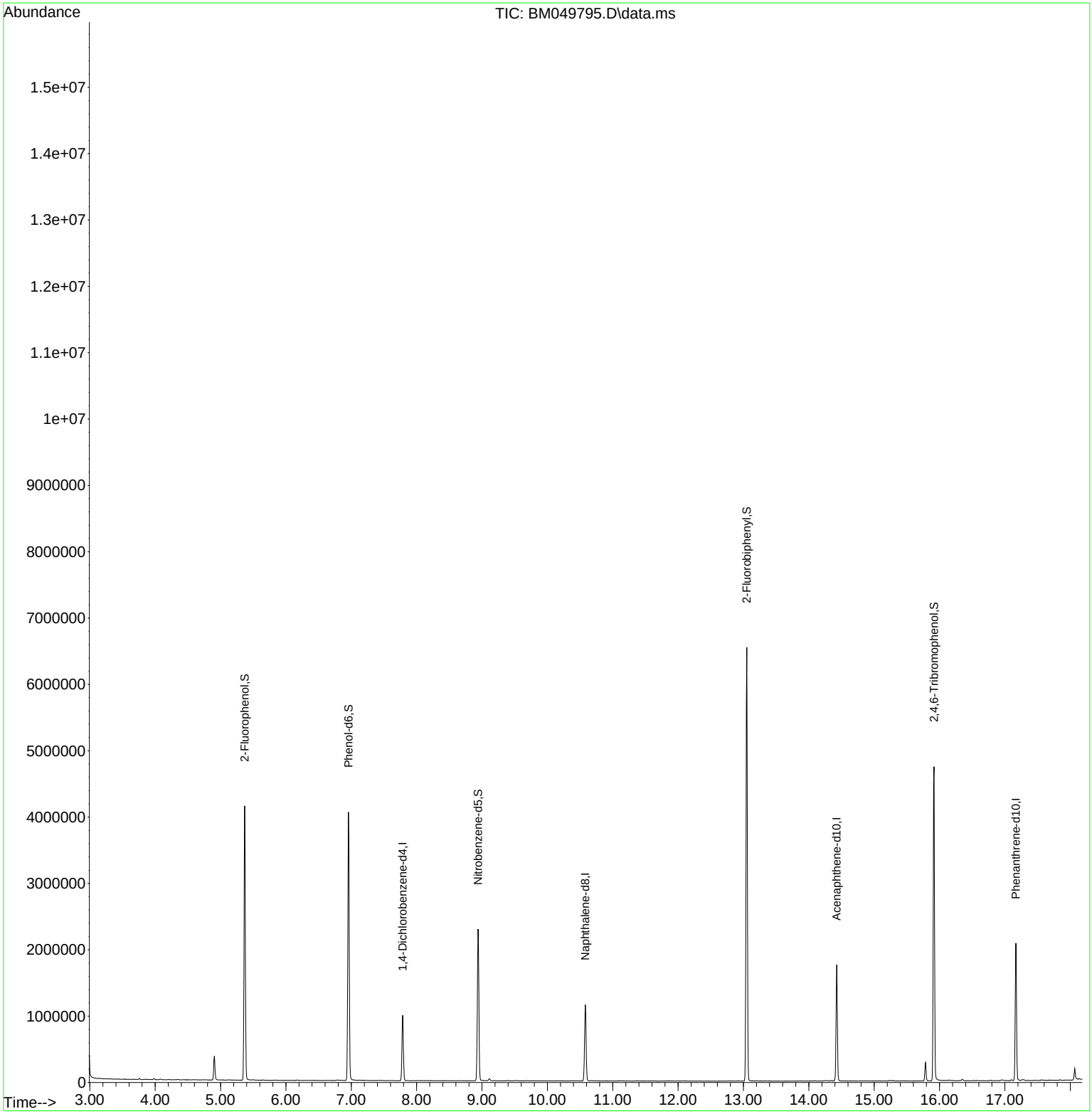
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.786	152	265150	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	907664	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	583290	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1154414	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1240642	20.000	ng	-0.02
86) Perylene-d12	24.397	264	1248572	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1625131	103.418	ng	-0.02
7) Phenol-d6	6.957	99	2115757	107.287	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1258176	71.168	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	799118	117.326	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	3195833	68.618	ng	-0.02
79) Terphenyl-d14	19.792	244	5750471	78.107	ng	-0.02
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049795.D
Acq On : 02 Apr 2025 18:00
Operator : RC/JU
Sample : Q1664-15RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-005-01RE

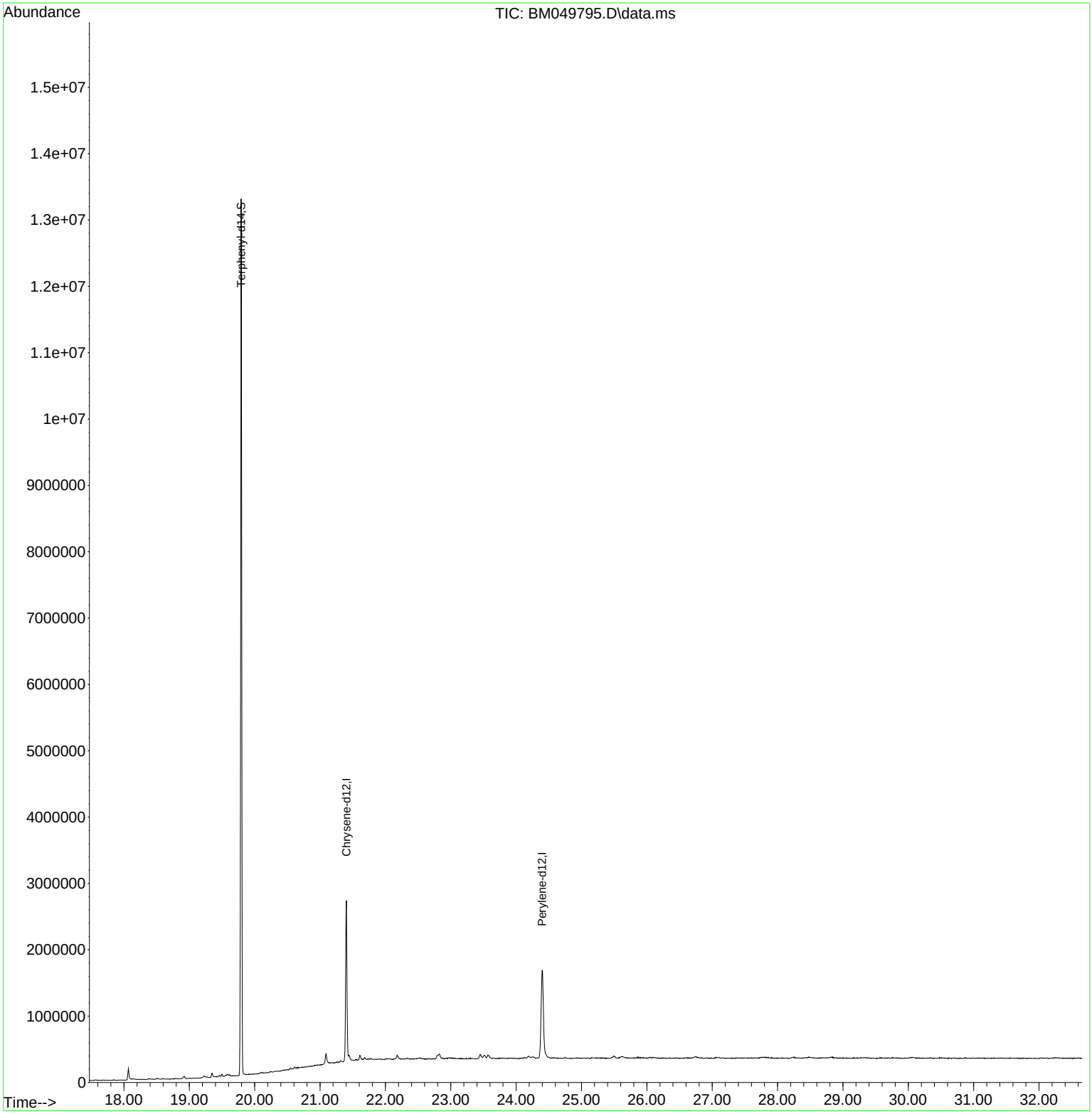
Quant Time: Apr 03 00:48:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

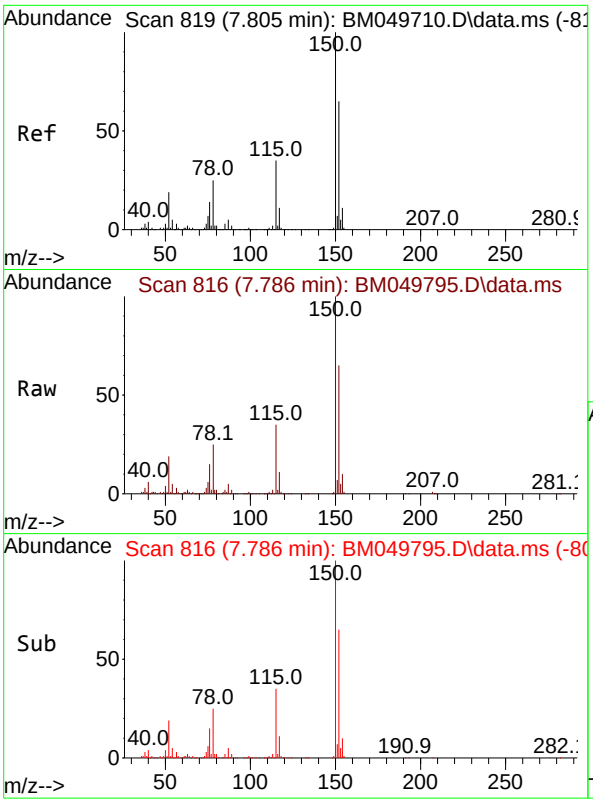


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049795.D
Acq On : 02 Apr 2025 18:00
Operator : RC/JU
Sample : Q1664-15RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-005-01RE

Quant Time: Apr 03 00:48:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



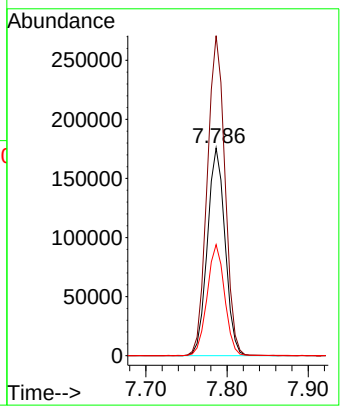


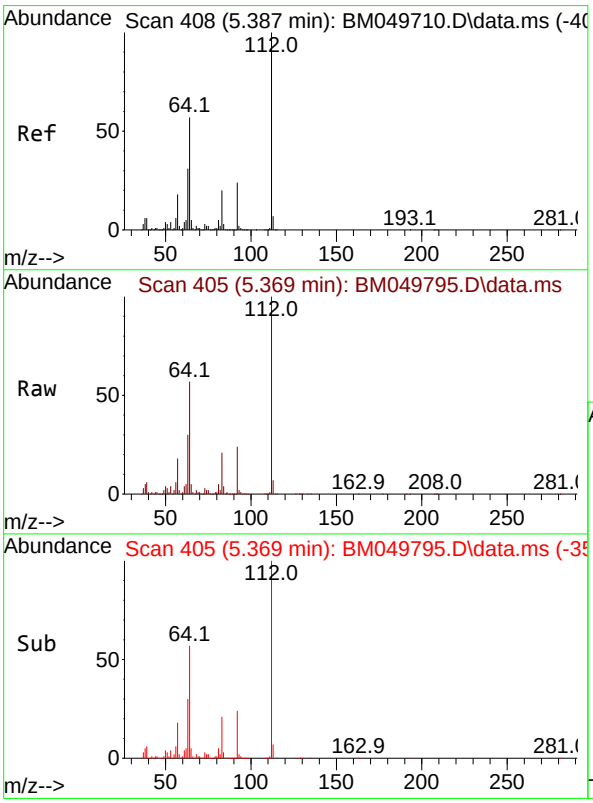
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.786 min Scan# 81
Delta R.T. -0.019 min
Lab File: BM049795.D
Acq: 02 Apr 2025 18:00

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-005-01RE

Tgt Ion:152 Resp: 265150

Ion	Ratio	Lower	Upper
152	100		
150	154.1	123.8	185.8
115	53.5	43.0	64.6

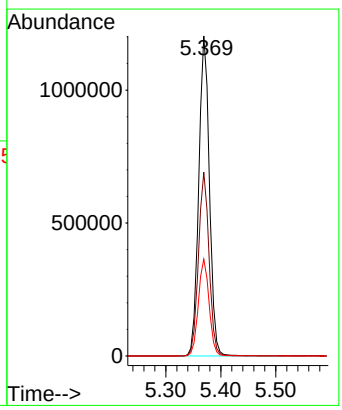


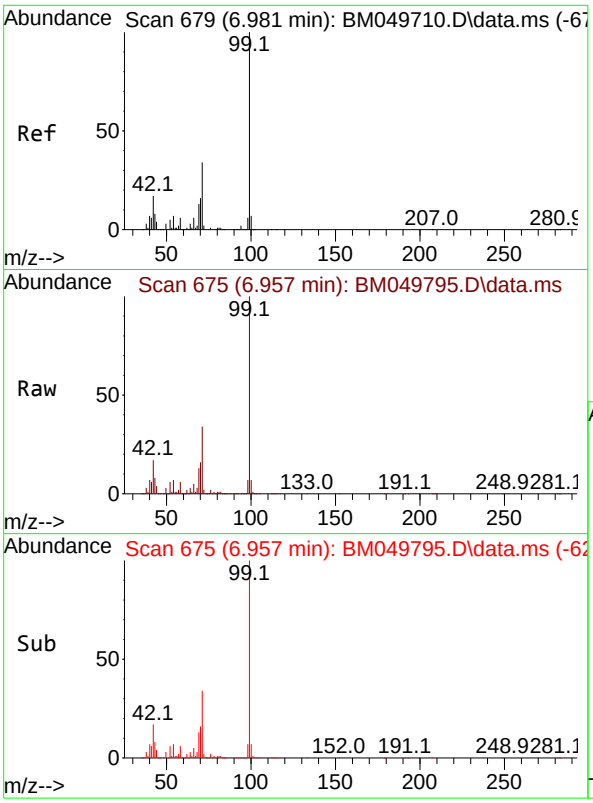


#5
2-Fluorophenol
Concen: 103.418 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049795.D
Acq: 02 Apr 2025 18:00

Tgt Ion:112 Resp: 1625131

Ion	Ratio	Lower	Upper
112	100		
64	57.4	45.3	67.9
63	30.2	24.4	36.6



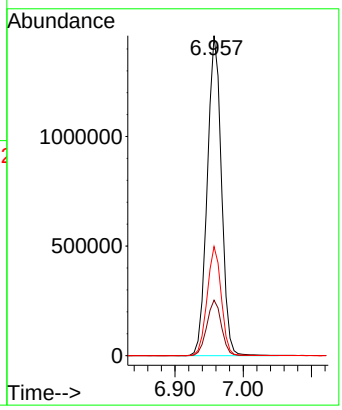


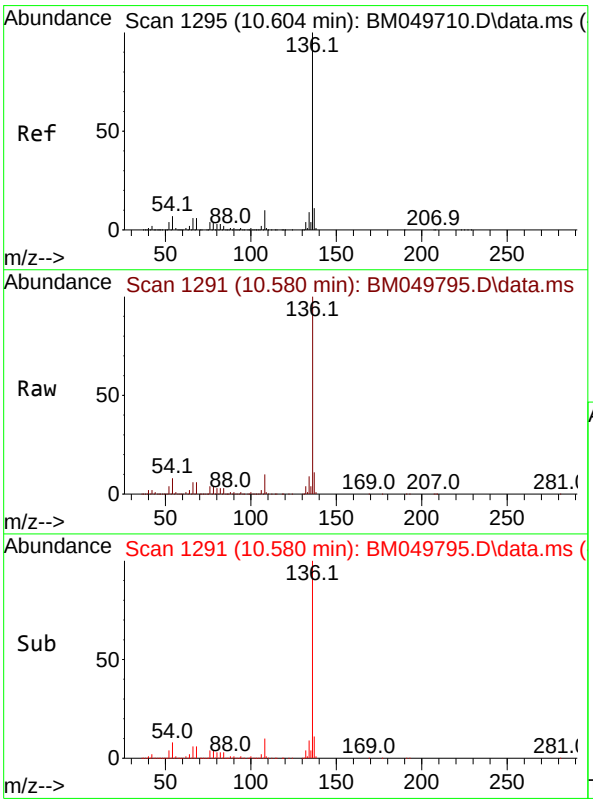
#7
Phenol-d6
Concen: 107.287 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049795.D
Acq: 02 Apr 2025 18:00

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-005-01RE

Tgt Ion: 99 Resp: 2115757

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.6	20.4
71	34.1	27.0	40.6

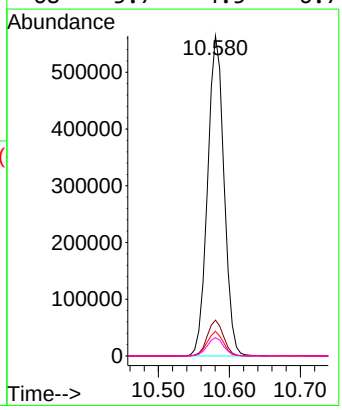


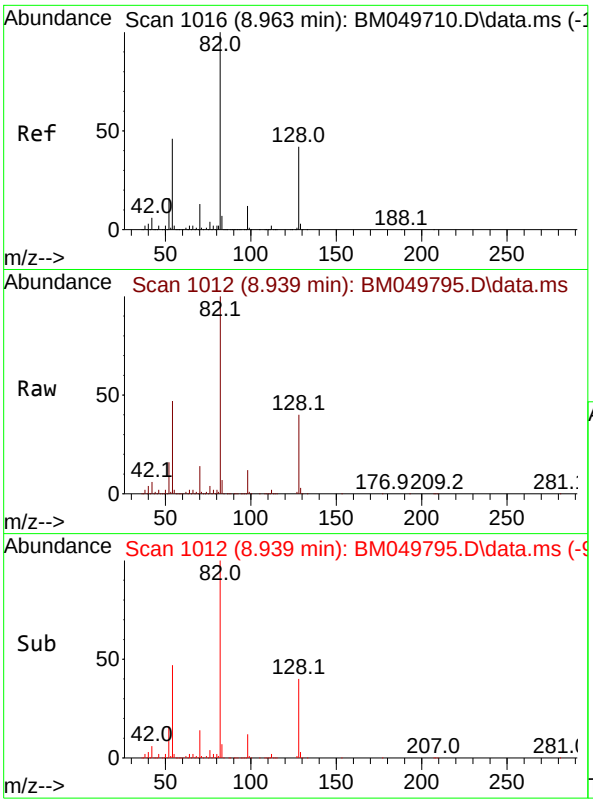


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049795.D
Acq: 02 Apr 2025 18:00

Tgt Ion:136 Resp: 907664

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	7.7	5.8	8.8
68	5.7	4.5	6.7



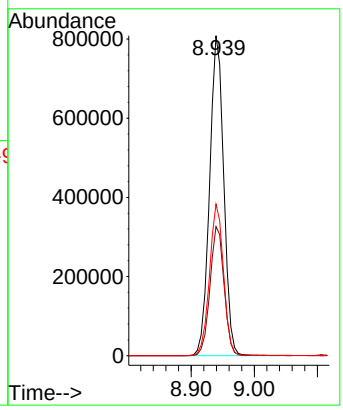


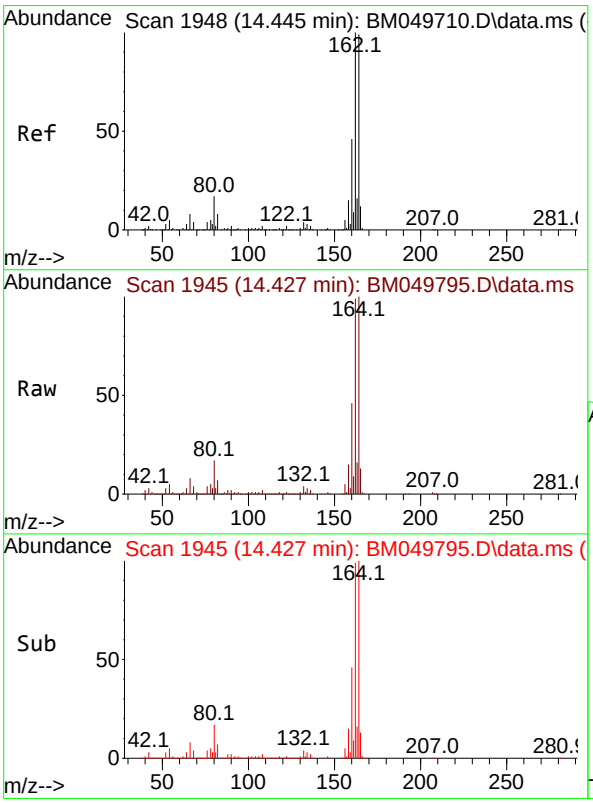
#23
Nitrobenzene-d5
Concen: 71.168 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049795.D
Acq: 02 Apr 2025 18:00

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-005-01RE

Tgt Ion: 82 Resp: 1258176

Ion	Ratio	Lower	Upper
82	100		
128	40.3	33.4	50.0
54	47.4	36.4	54.6

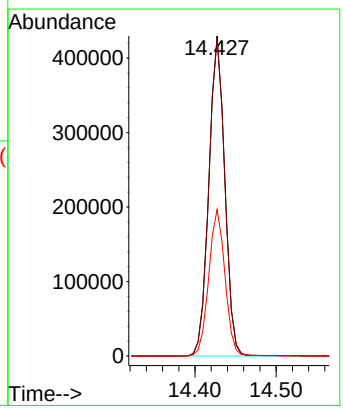


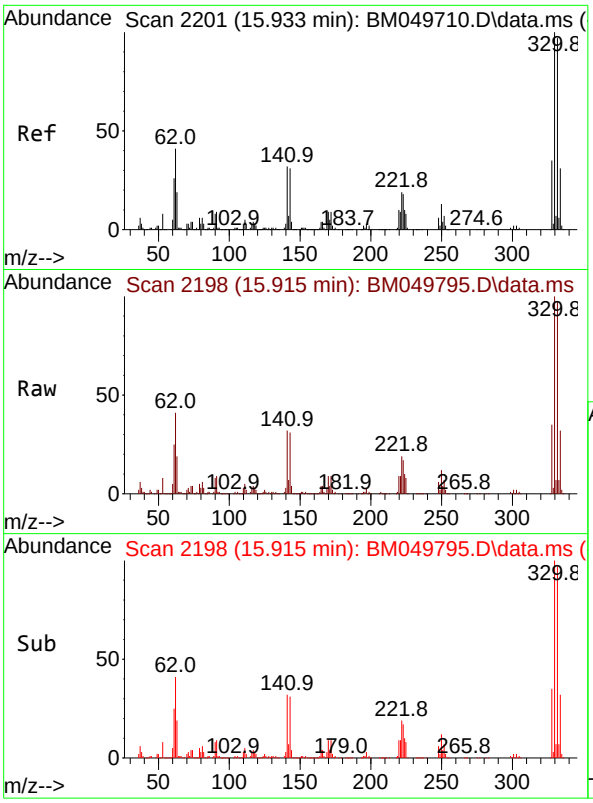


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049795.D
Acq: 02 Apr 2025 18:00

Tgt Ion:164 Resp: 583290

Ion	Ratio	Lower	Upper
164	100		
162	98.8	80.5	120.7
160	45.8	36.9	55.3



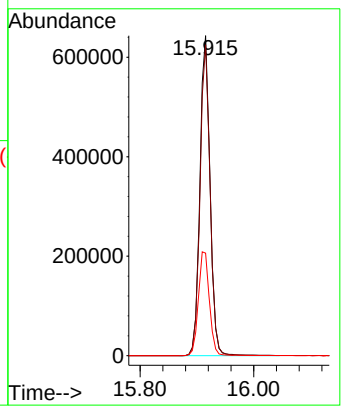


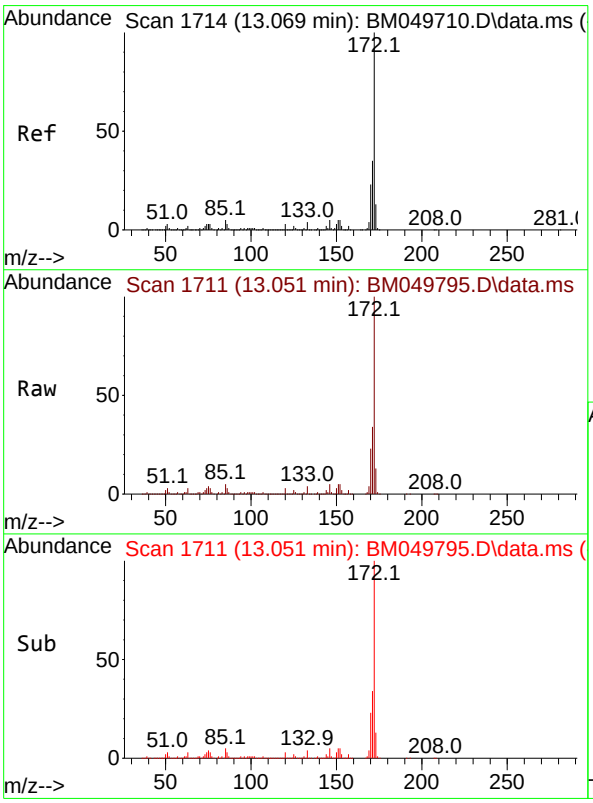
#42
2,4,6-Tribromophenol
Concen: 117.326 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049795.D
Acq: 02 Apr 2025 18:00

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-005-01RE

Tgt Ion:330 Resp: 799118

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.4
141	35.3	27.8	41.6

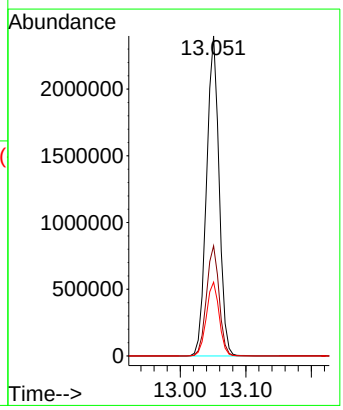


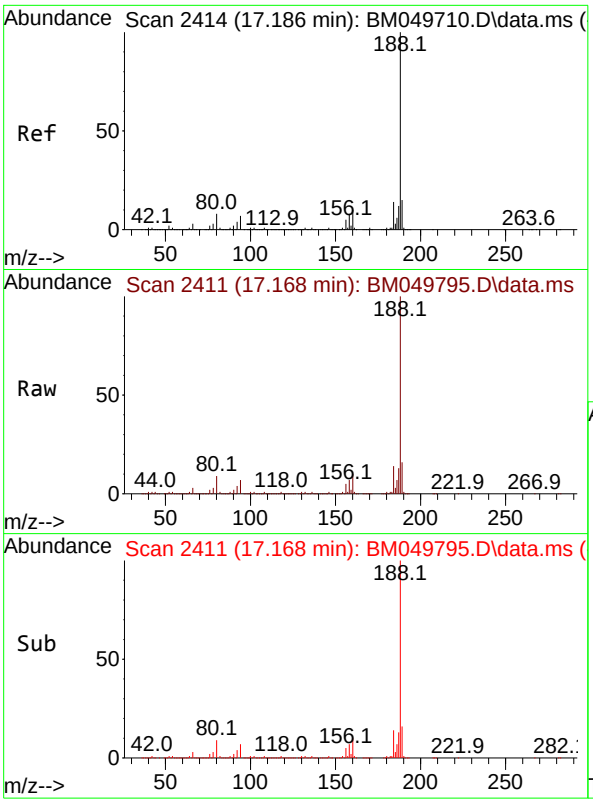


#45
2-Fluorobiphenyl
Concen: 68.618 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049795.D
Acq: 02 Apr 2025 18:00

Tgt Ion:172 Resp: 3195833

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.9	41.9
170	23.1	18.6	28.0



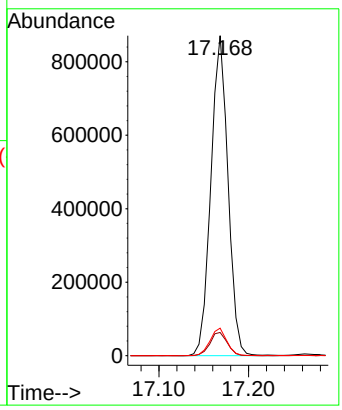


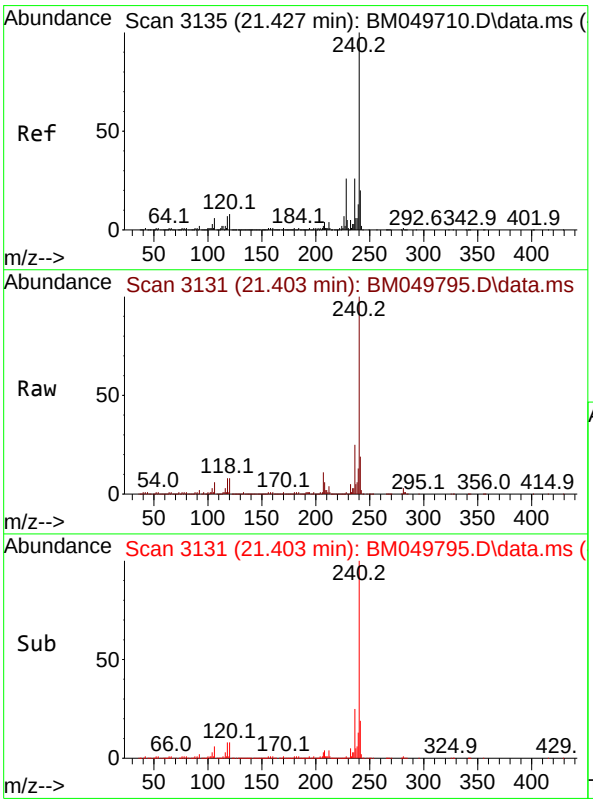
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049795.D
Acq: 02 Apr 2025 18:00

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-005-01RE

Tgt Ion:188 Resp: 1154414

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	8.6	6.3	9.5

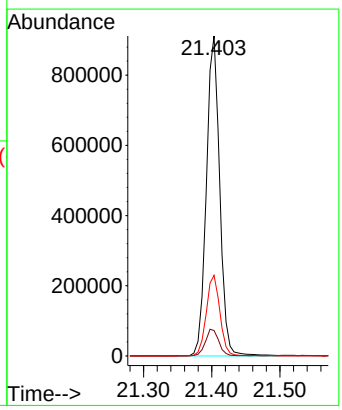


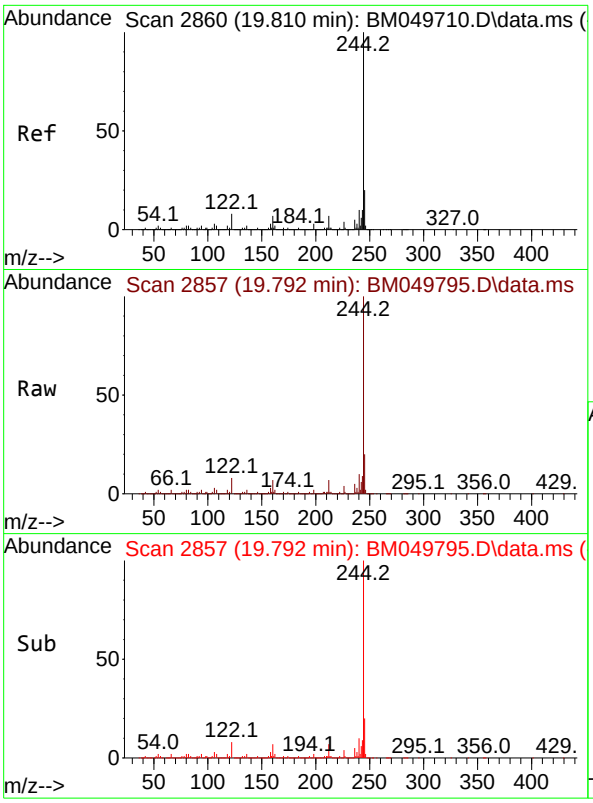


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049795.D
Acq: 02 Apr 2025 18:00

Tgt Ion:240 Resp: 1240642

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.5	9.7
236	25.2	20.7	31.1



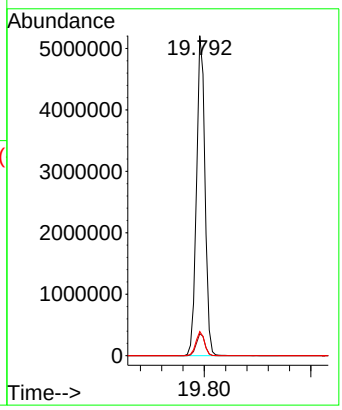


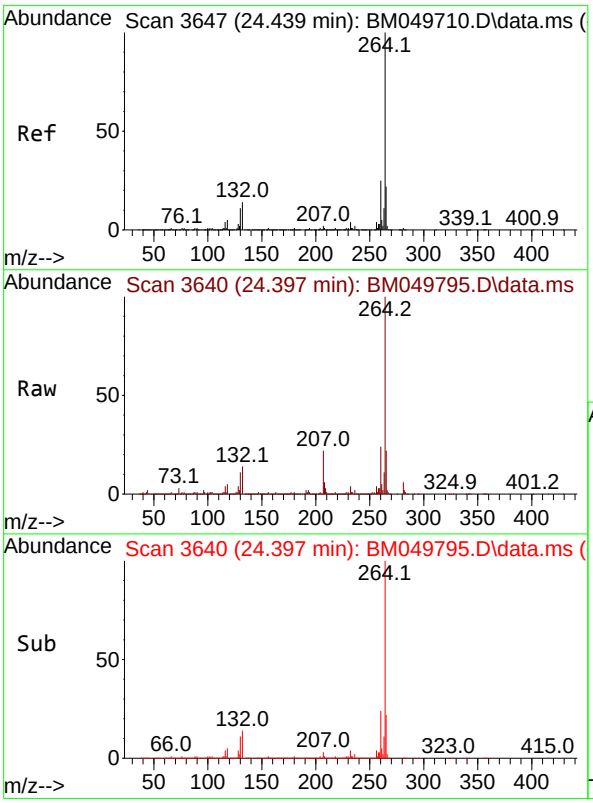
#79
Terphenyl-d14
Concen: 78.107 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049795.D
Acq: 02 Apr 2025 18:00

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-005-01RE

Tgt Ion:244 Resp: 5750471

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	7.6	6.0	9.0

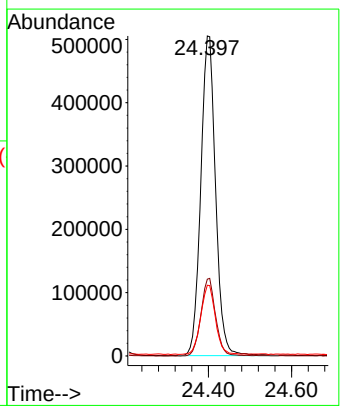




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.042 min
Lab File: BM049795.D
Acq: 02 Apr 2025 18:00

Tgt Ion:264 Resp: 1248572

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	22.1	18.2	27.2



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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-006-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-17	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142186.D	1	03/28/25 09:40	03/31/25 17:57	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	350	ug/Kg
108-95-2	Phenol	23.5	U	23.5	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.8	U	25.8	180	ug/Kg
95-57-8	2-Chlorophenol	25.9	U	25.9	180	ug/Kg
95-48-7	2-Methylphenol	31.8	U	31.8	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39.8	U	39.8	180	ug/Kg
98-86-2	Acetophenone	31.3	U	31.3	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.7	U	43.7	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.3	U	50.3	85.0	ug/Kg
67-72-1	Hexachloroethane	18.7	U	18.7	180	ug/Kg
98-95-3	Nitrobenzene	19.4	U	19.4	180	ug/Kg
78-59-1	Isophorone	34.8	UQ	34.8	180	ug/Kg
88-75-5	2-Nitrophenol	61.8	U	61.8	180	ug/Kg
105-67-9	2,4-Dimethylphenol	68.8	U	68.8	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.7	U	32.7	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.1	U	30.1	180	ug/Kg
91-20-3	Naphthalene	24.1	U	24.1	180	ug/Kg
106-47-8	4-Chloroaniline	37.6	U	37.6	180	ug/Kg
87-68-3	Hexachlorobutadiene	26.9	UQ	26.9	180	ug/Kg
105-60-2	Caprolactam	55.3	U	55.3	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.5	U	30.5	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.2	U	27.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	UQ	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.0	U	21.0	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	30.9	UQ	30.9	180	ug/Kg
92-52-4	1,1-Biphenyl	23.2	U	23.2	180	ug/Kg
91-58-7	2-Chloronaphthalene	23.9	UQ	23.9	180	ug/Kg
88-74-4	2-Nitroaniline	51.1	U	51.1	180	ug/Kg
131-11-3	Dimethylphthalate	28.8	UQ	28.8	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-006-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-17	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142186.D	1	03/28/25 09:40	03/31/25 17:57	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.7	UQ	30.7	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.7	UQ	35.7	180	ug/Kg
99-09-2	3-Nitroaniline	48.9	U	48.9	180	ug/Kg
83-32-9	Acenaphthene	22.6	U	22.6	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.1	U	24.1	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.2	UQ	53.2	180	ug/Kg
84-66-2	Diethylphthalate	30.1	U	30.1	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.4	UQ	28.4	180	ug/Kg
86-73-7	Fluorene	26.9	U	26.9	180	ug/Kg
100-01-6	4-Nitroaniline	68.2	U	68.2	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	UQ	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	34.9	UQ	34.9	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.5	U	29.5	180	ug/Kg
118-74-1	Hexachlorobenzene	26.9	UQ	26.9	180	ug/Kg
1912-24-9	Atrazine	36.1	U	36.1	180	ug/Kg
87-86-5	Pentachlorophenol	54.5	UQ	54.5	350	ug/Kg
85-01-8	Phenanthrene	22.2	U	22.2	180	ug/Kg
120-12-7	Anthracene	35.4	UQ	35.4	180	ug/Kg
86-74-8	Carbazole	33.1	UQ	33.1	180	ug/Kg
84-74-2	Di-n-butylphthalate	50.9	U	50.9	180	ug/Kg
206-44-0	Fluoranthene	31.9	U	31.9	180	ug/Kg
129-00-0	Pyrene	38.2	UQ	38.2	180	ug/Kg
85-68-7	Butylbenzylphthalate	75.8	U	75.8	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.0	UQ	39.0	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.4	UQ	24.4	180	ug/Kg
218-01-9	Chrysene	21.1	UQ	21.1	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.9	U	62.9	180	ug/Kg
117-84-0	Di-n-octyl phthalate	92.2	U	92.2	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.2	U	20.2	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-006-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-17	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142186.D	1	03/28/25 09:40	03/31/25 17:57	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.8	U	23.8	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.3	UQ	31.3	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	30.9	U	30.9	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.1	U	29.1	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.3	U	27.3	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.2	U	27.2	180	ug/Kg
123-91-1	1,4-Dioxane	48.0	U	48.0	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.1	U	29.1	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	110		18 - 112	73%	SPK: 150
13127-88-3	Phenol-d6	104		15 - 107	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.2		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.3		20 - 109	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	96.9		10 - 116	65%	SPK: 150
1718-51-0	Terphenyl-d14	63.4		10 - 105	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	106000	6.863			
1146-65-2	Naphthalene-d8	404000	8.145			
15067-26-2	Acenaphthene-d10	210000	9.904			
1517-22-2	Phenanthrene-d10	324000	11.392			
1719-03-5	Chrysene-d12	248000	14.033			
1520-96-3	Perylene-d12	304000	15.51			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1600	JB		2.14	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	AB		5.09	ug/Kg
000119-61-9	Benzophenone	120	J		10.6	ug/Kg
1000282-98-2	Dichloroacetic acid, heptadecyl es	170	J		13.9	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-006-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-17	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142186.D	1	03/28/25 09:40	03/31/25 17:57	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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_F\Data\BF033125\
Data File : BF142186.D
Acq On : 31 Mar 2025 17:57
Operator : RC/JU
Sample : Q1664-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

Quant Time: Mar 31 18:50:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	105523	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	403592	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	210130	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	323826m	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	248316	20.000	ng	0.00
86) Perylene-d12	15.510	264	304388	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	693286	109.651	ng	-0.01
7) Phenol-d6	6.487	99	839657	104.303	ng	-0.02
23) Nitrobenzene-d5	7.428	82	553719	77.209	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	258272	96.884	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1164637	84.290	ng	-0.02
79) Terphenyl-d14	12.974	244	1065144	63.418	ng	-0.01
Target Compounds						Qvalue

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

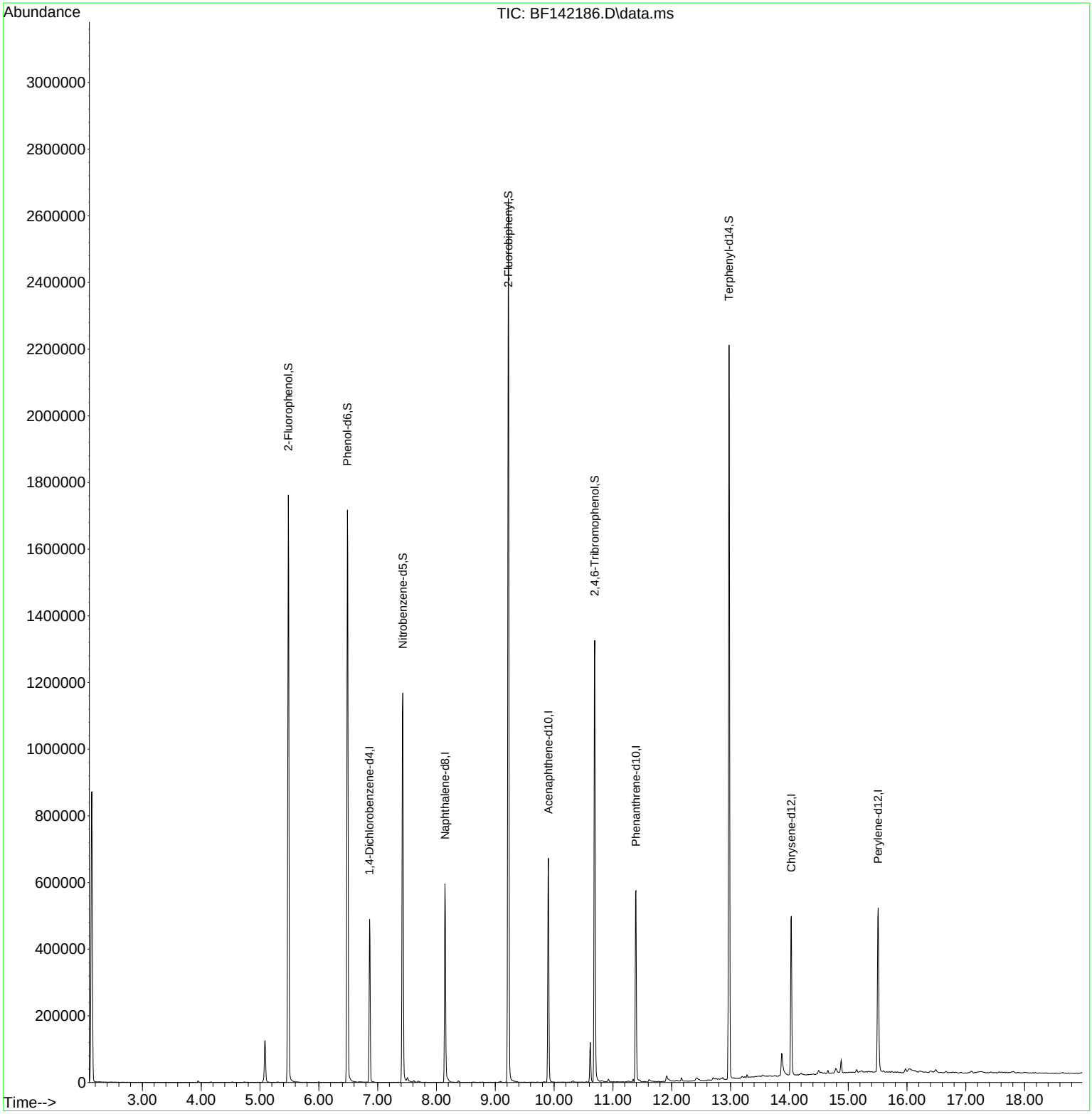
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142186.D
Acq On : 31 Mar 2025 17:57
Operator : RC/JU
Sample : Q1664-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

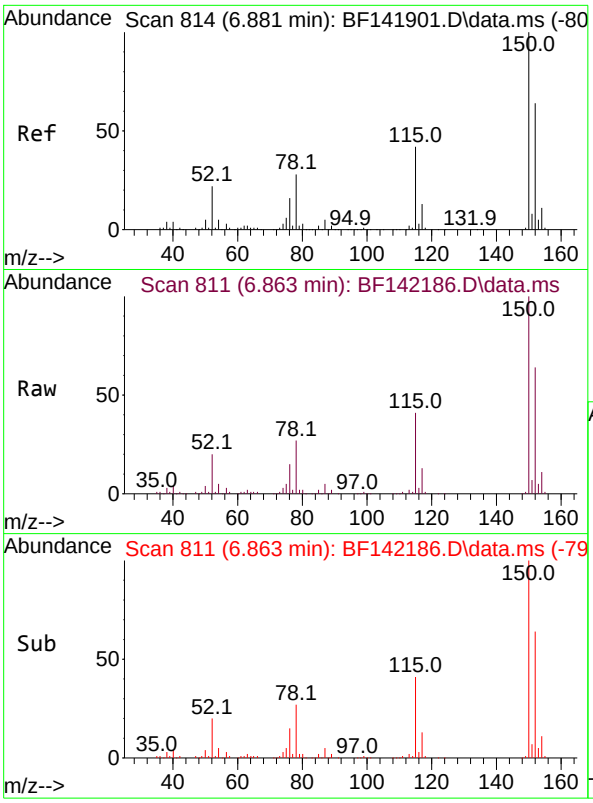
Quant Time: Mar 31 18:50:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

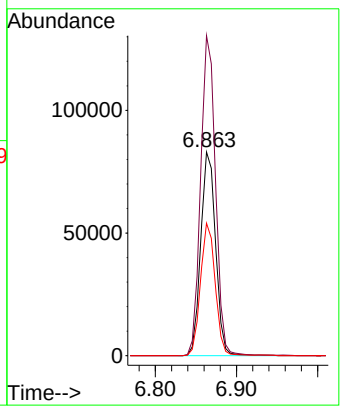




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion:152 Resp: 10552

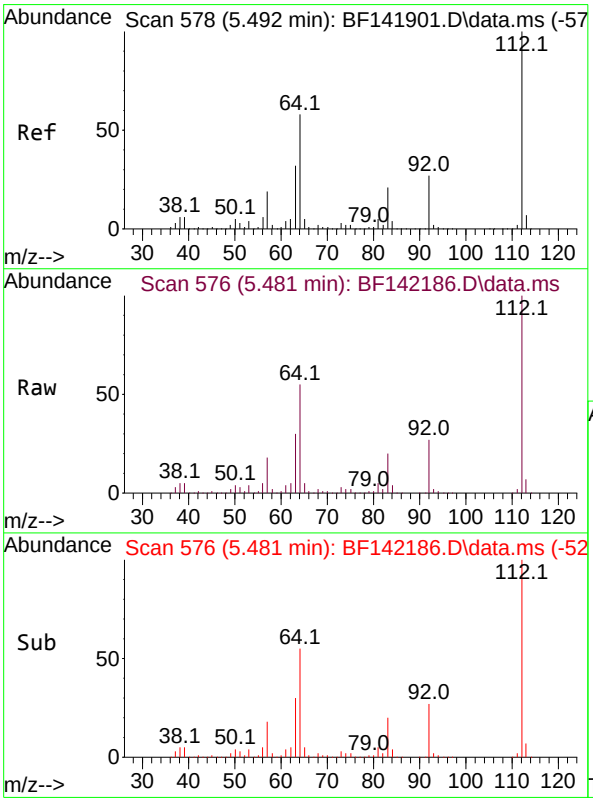
Ion	Ratio	Lower	Upper
152	100		
150	157.1	127.4	191.2
115	65.1	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Manual Integrations
APPROVED

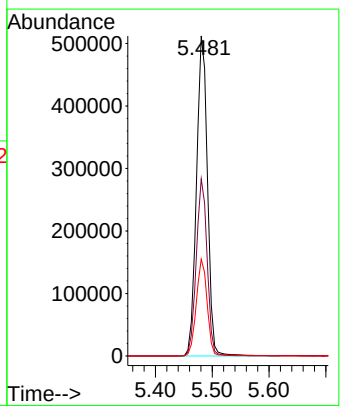
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

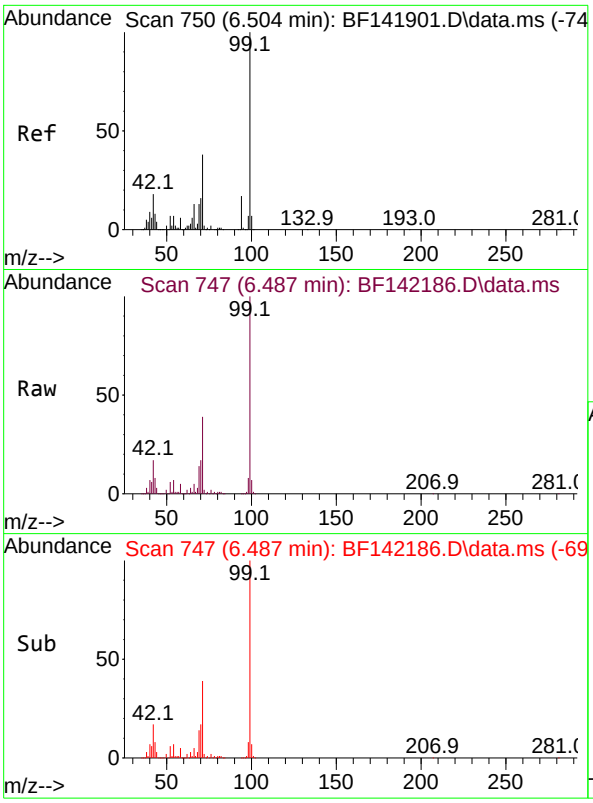


#5
2-Fluorophenol
Concen: 109.651 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion:112 Resp: 693286

Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.5	69.7
63	30.3	25.4	38.2

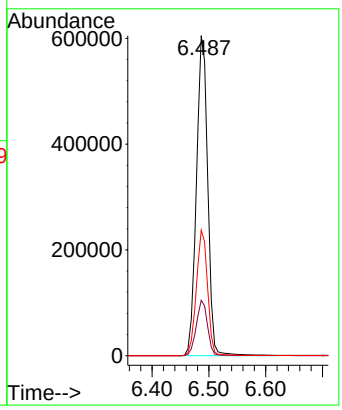




#7
Phenol-d6
Concen: 104.303 ng
RT: 6.487 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion: 99 Resp: 83965

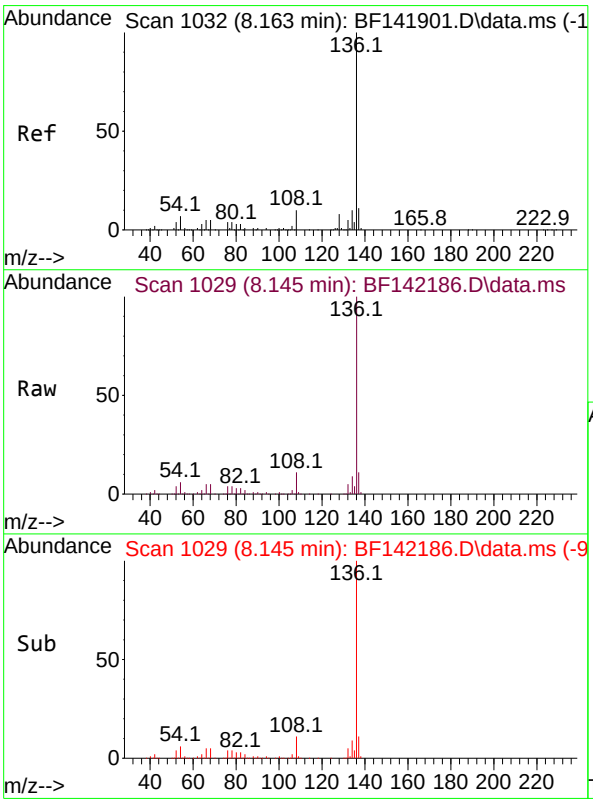
Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.6	21.8
71	39.3	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Manual Integrations
APPROVED

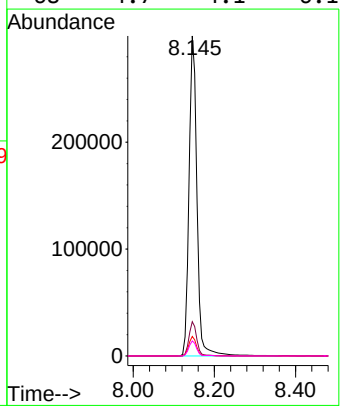
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

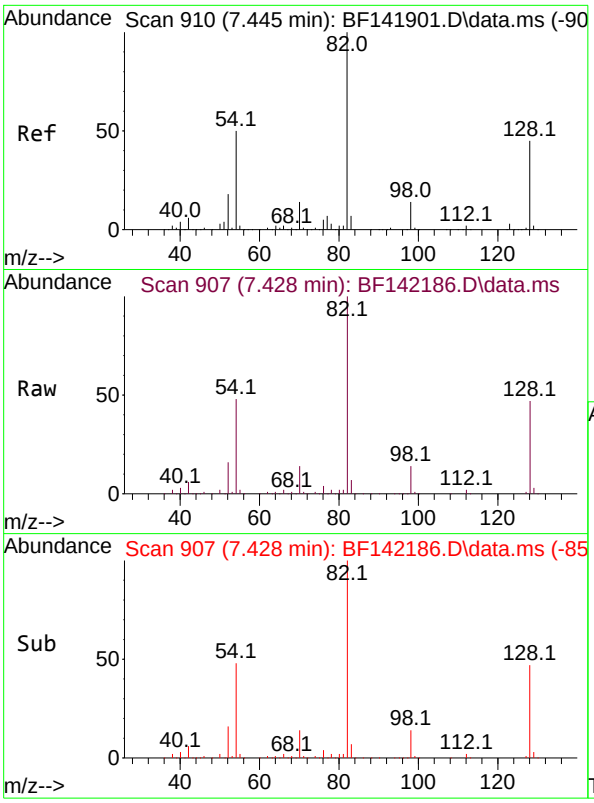


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion:136 Resp: 403592

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.1	5.8	8.8
68	4.7	4.1	6.1

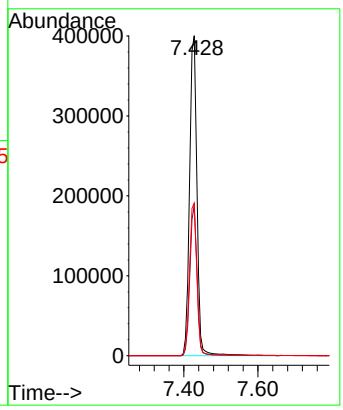




#23
Nitrobenzene-d5
Concen: 77.209 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion: 82 Resp: 55371

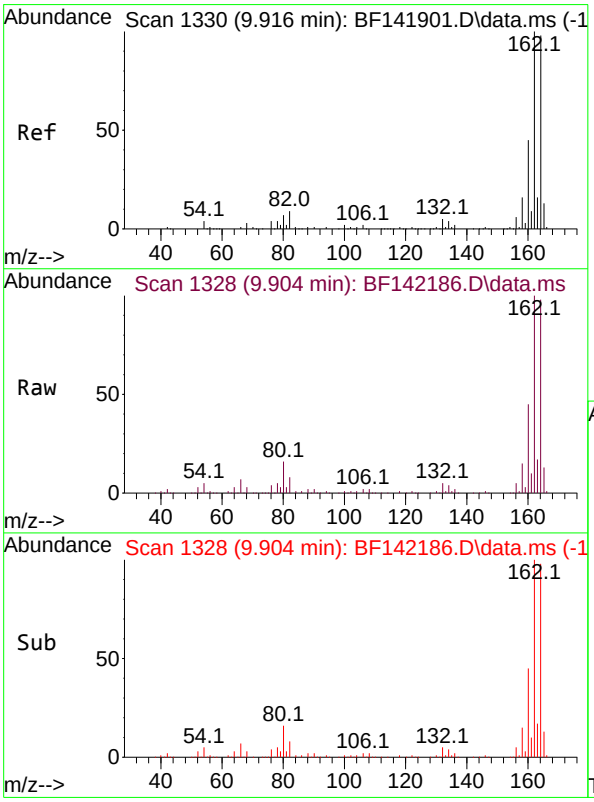
Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.0	54.0
54	47.6	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Manual Integrations
APPROVED

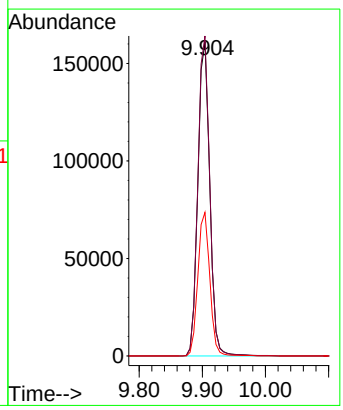
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

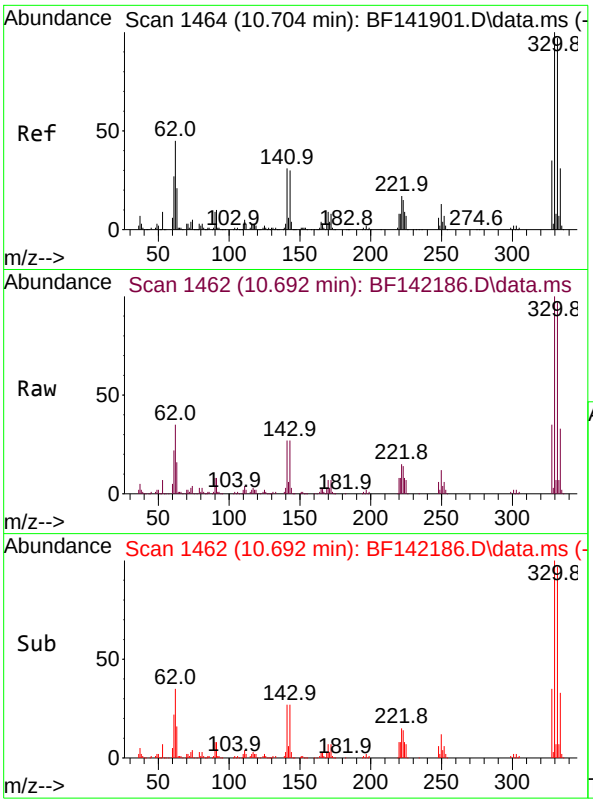


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion:164 Resp: 210130

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.8	122.6
160	45.7	36.7	55.1

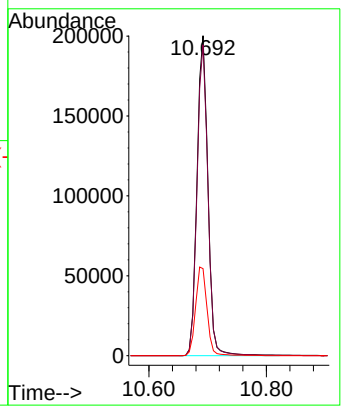




#42
2,4,6-Tribromophenol
Concen: 96.884 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion:330 Resp: 25827

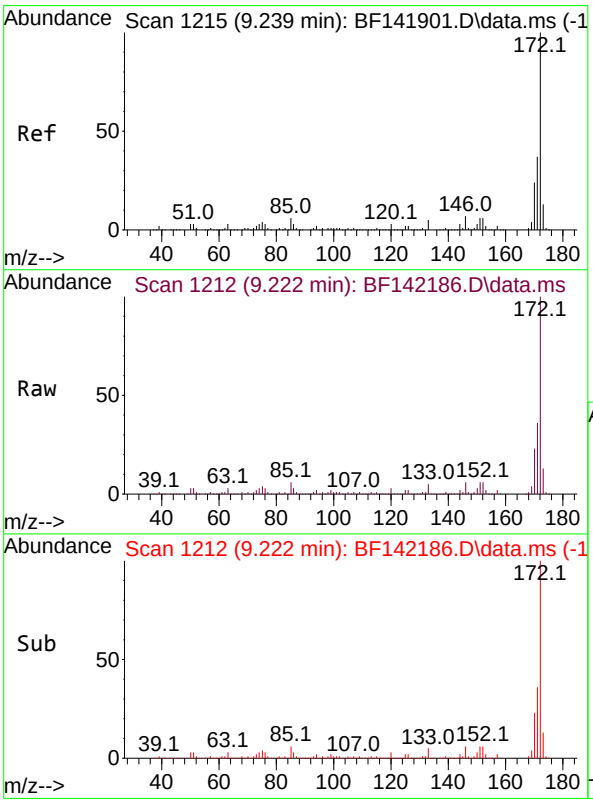
Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.6	116.4
141	29.1	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Manual Integrations
APPROVED

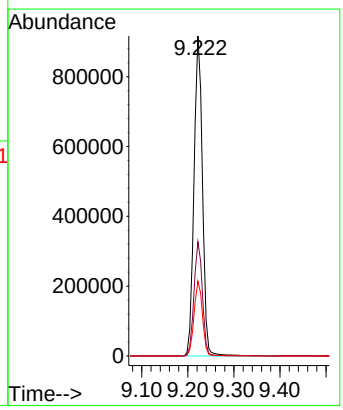
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

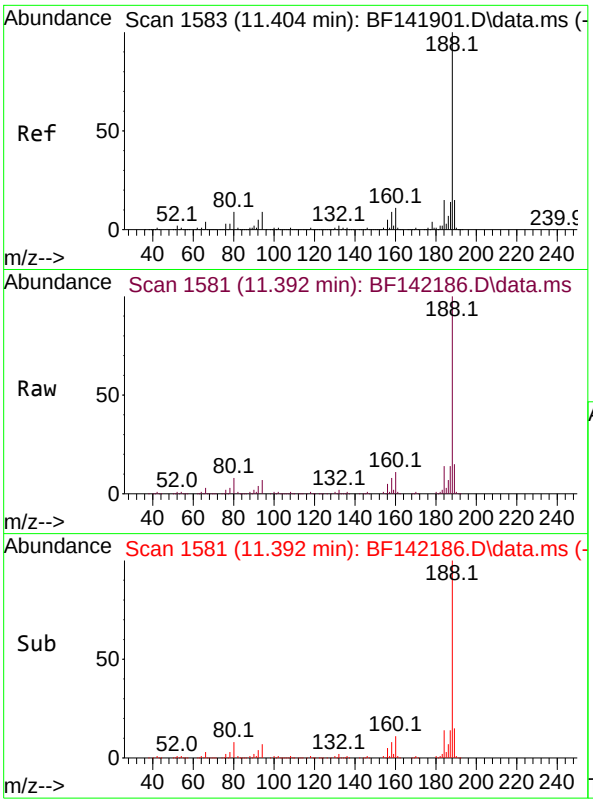


#45
2-Fluorobiphenyl
Concen: 84.290 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion:172 Resp: 1164637

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.3	43.9
170	23.4	19.4	29.0

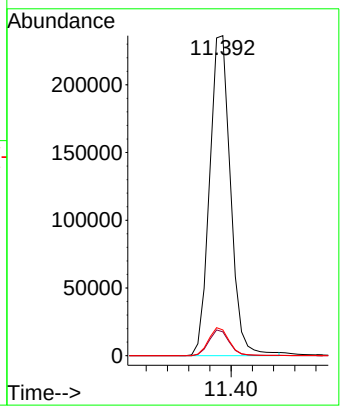




#64
Phenanthrene-d10
Concen: 20.000 ng m
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion:188 Resp: 32382

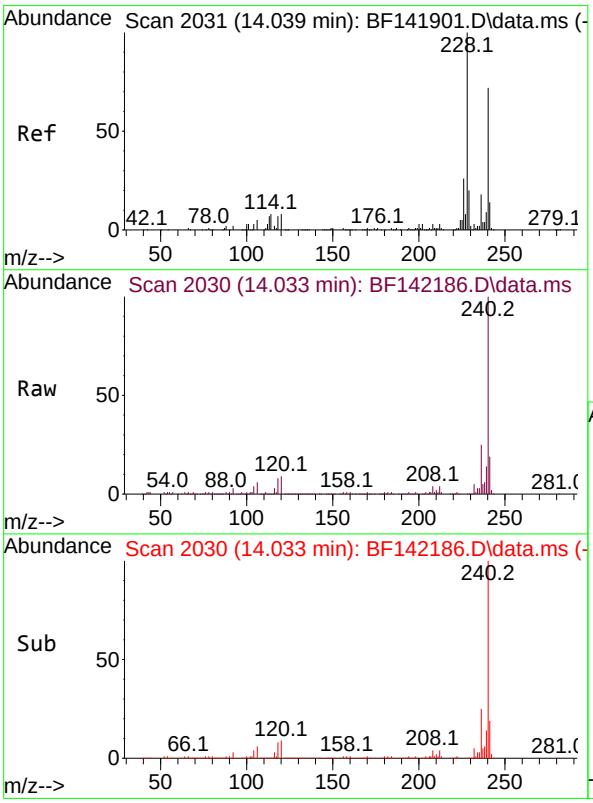
Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.8	10.2
80	8.1	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Manual Integrations
APPROVED

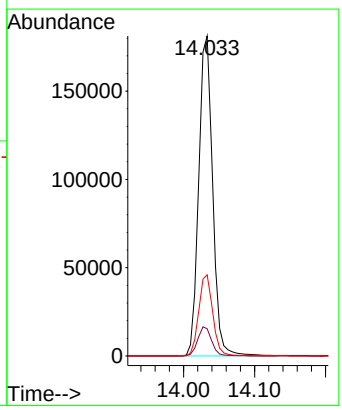
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

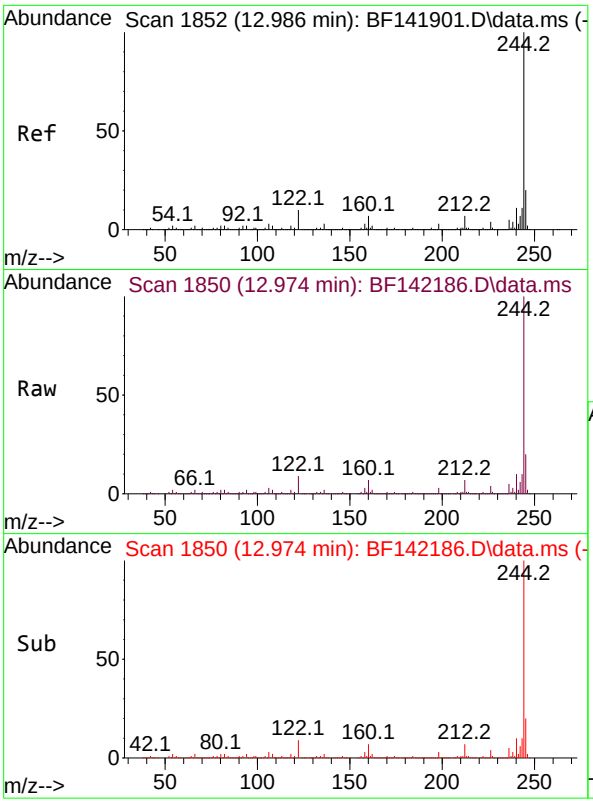


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion:240 Resp: 248316

Ion	Ratio	Lower	Upper
240	100		
120	8.5	8.4	12.6
236	25.3	20.5	30.7

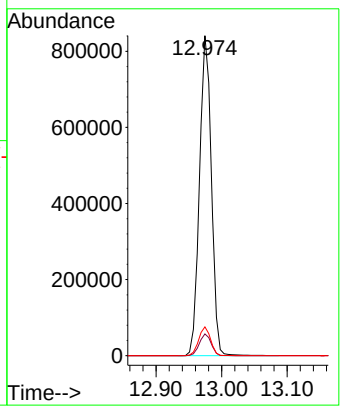




#79
Terphenyl-d14
Concen: 63.418 ng
RT: 12.974 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion:244 Resp: 106514

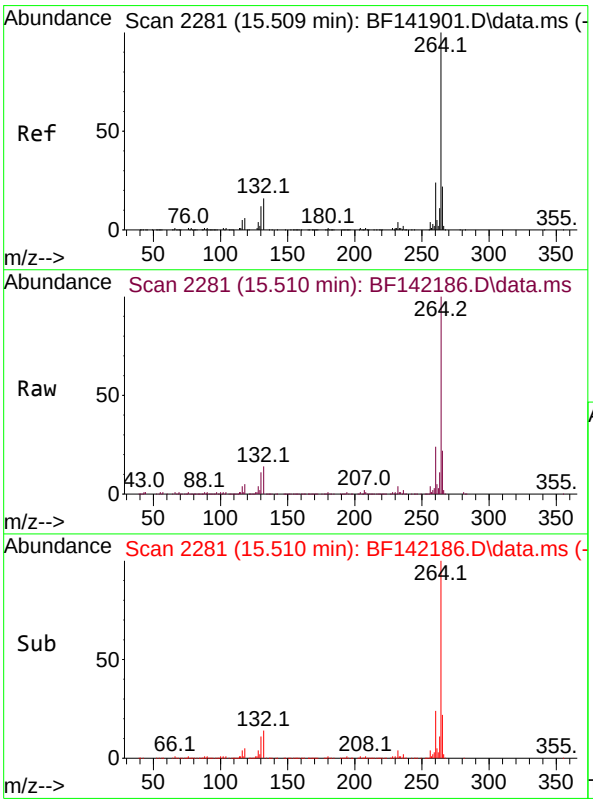
Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	9.0	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Manual Integrations
APPROVED

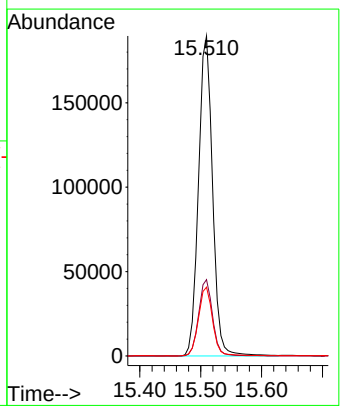
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142186.D
Acq: 31 Mar 2025 17:57

Tgt Ion:264 Resp: 304388

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.5	17.5	26.3



Sample Results: **BF142186.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142186.D
Acq On : 31 Mar 2025 17:57
Operator : RC/JU
Sample : Q1664-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142186.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.140	3	8	23	rVB	871312	1374026	41.29%	6.624%
2	5.087	499	509	525	rBV	124731	206346	6.20%	0.995%
3	5.481	570	576	597	rBV	1762500	2370101	71.22%	11.426%
4	6.487	741	747	775	rBV	1717417	2391935	71.88%	11.531%
5	6.863	806	811	820	rBV	489185	609458	18.31%	2.938%
6	7.428	901	907	917	rBV	1168611	1587435	47.70%	7.653%
7	8.145	1024	1029	1047	rBV	595468	794067	23.86%	3.828%
8	9.222	1206	1212	1222	rBV	2650215	3327817	100.00%	16.043%
9	9.904	1322	1328	1342	rVB	671945	876871	26.35%	4.227%
10	10.616	1444	1449	1456	rBV	118696	151663	4.56%	0.731%
11	10.692	1456	1462	1478	rVV	1324164	1767979	53.13%	8.523%
12	11.392	1576	1581	1591	rBV	572973	787202	23.66%	3.795%
13	11.916	1665	1670	1685	rBV4	16850	45321	1.36%	0.218%
14	12.974	1844	1850	1861	rBV	2203333	2788003	83.78%	13.440%
15	13.869	1997	2002	2021	rBV	65454	157377	4.73%	0.759%
16	14.033	2024	2030	2040	rVB	476719	659321	19.81%	3.178%
17	14.880	2170	2174	2180	rVB	38462	52329	1.57%	0.252%
18	15.510	2274	2281	2293	rBV	491666	796344	23.93%	3.839%

Sum of corrected areas: 20743595

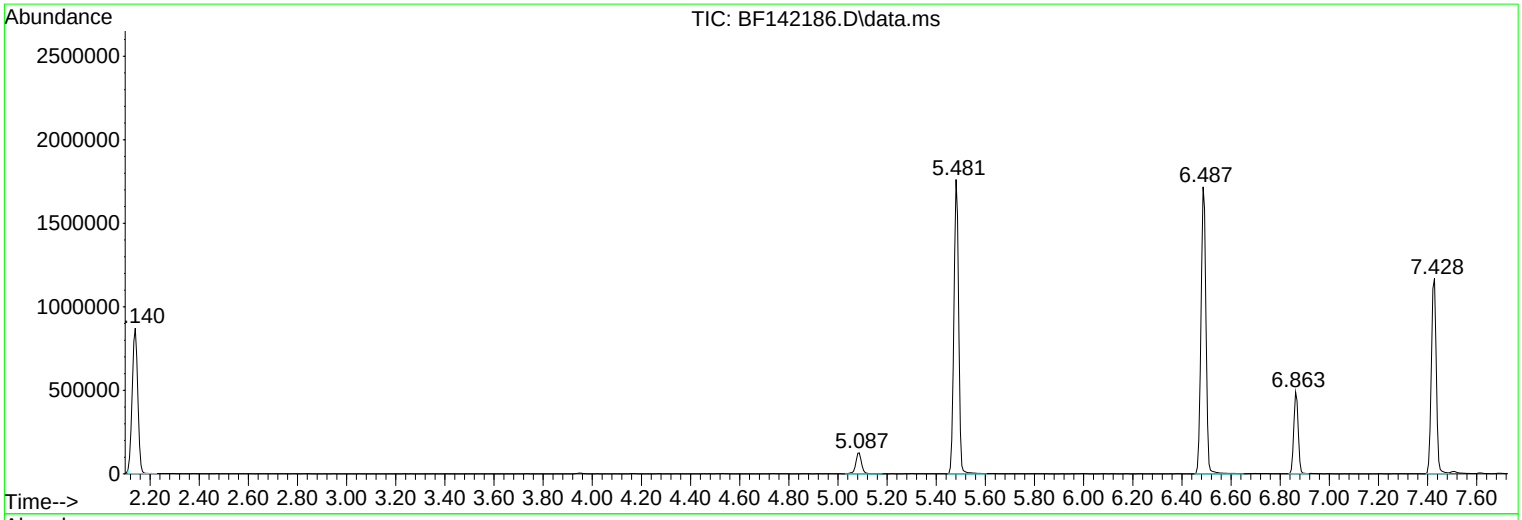
Sample Results: **BF142186.D**

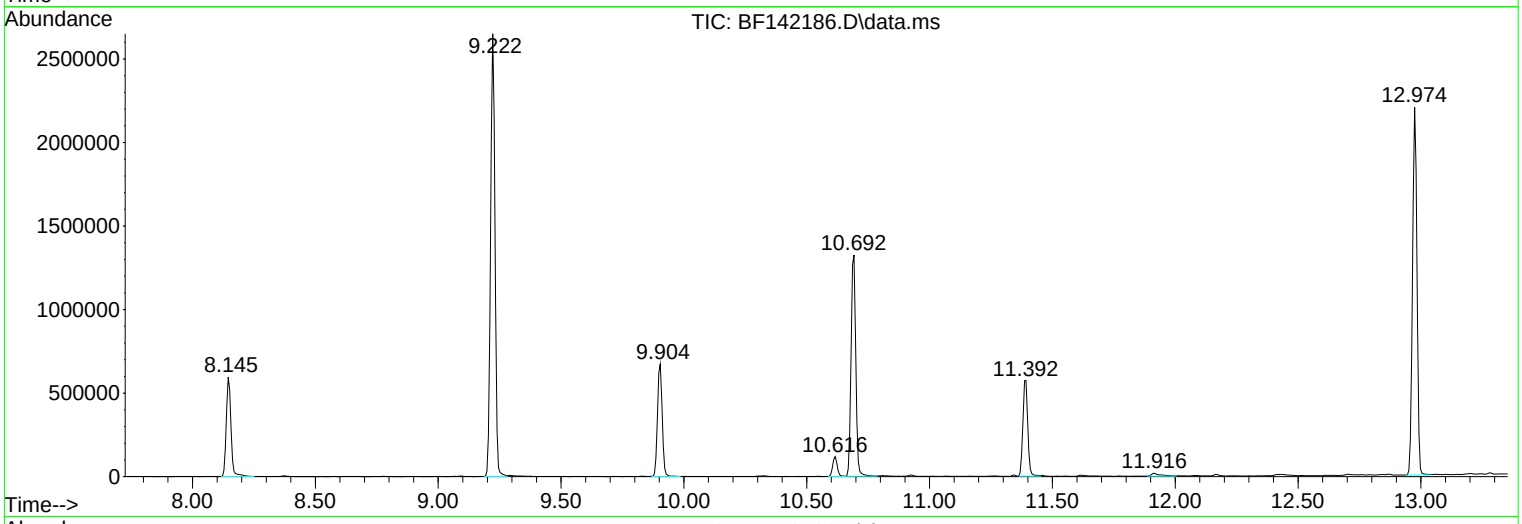
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142186.D
Acq On : 31 Mar 2025 17:57
Operator : RC/JU
Sample : Q1664-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

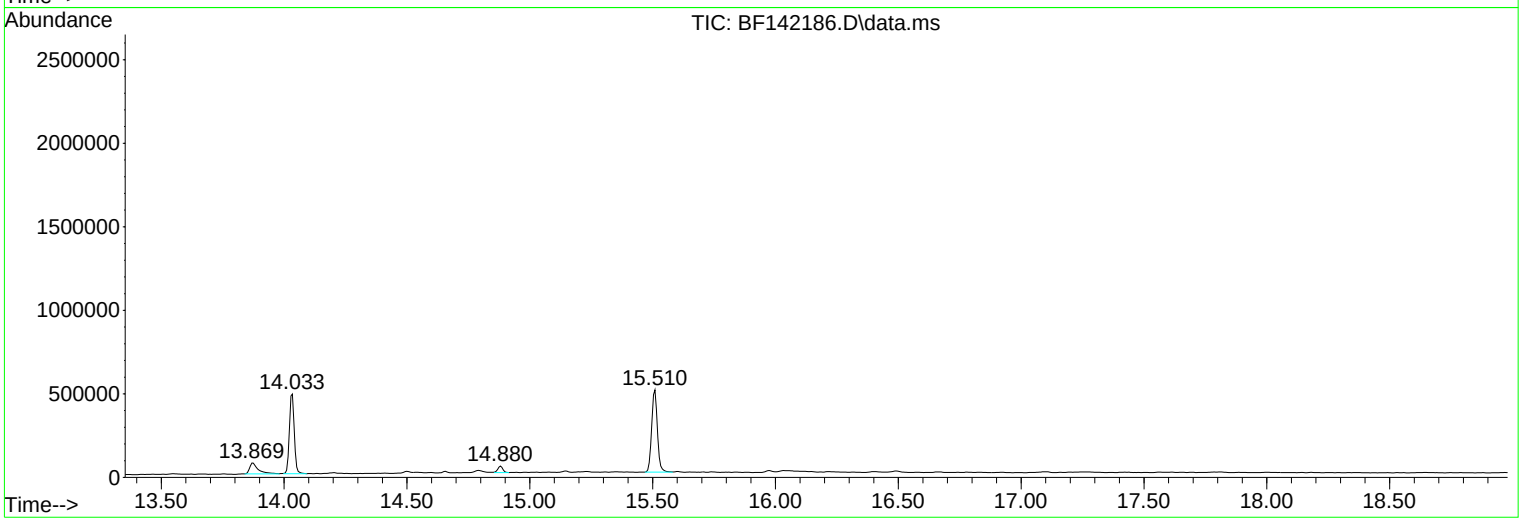
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142186.D
Acq On : 31 Mar 2025 17:57
Operator : RC/JU
Sample : Q1664-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

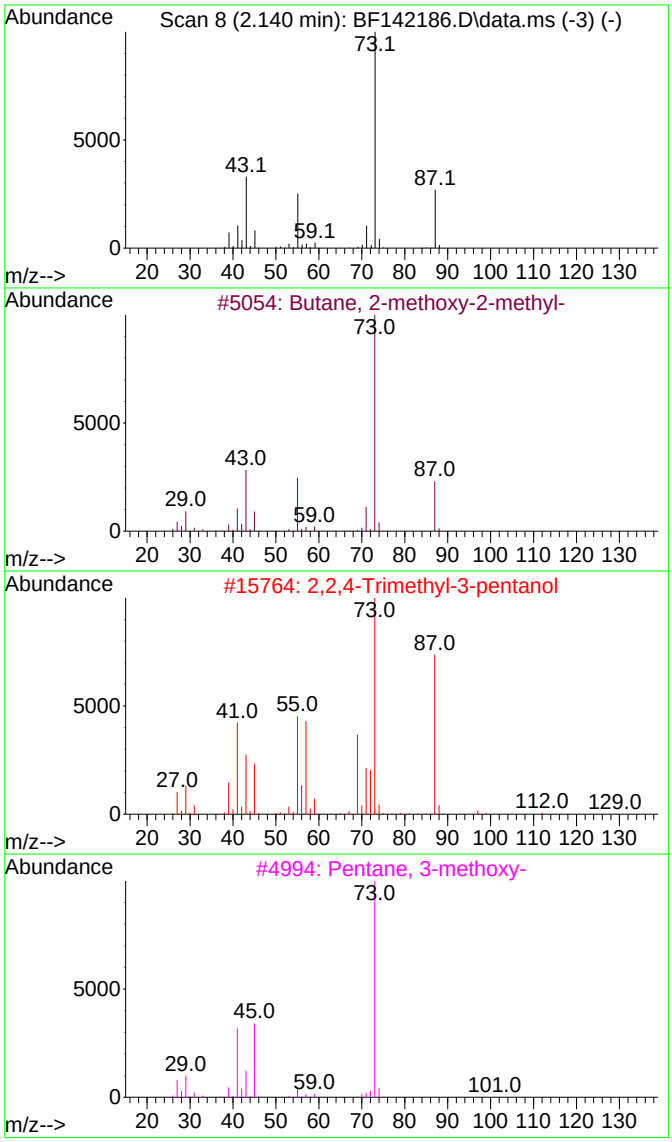
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

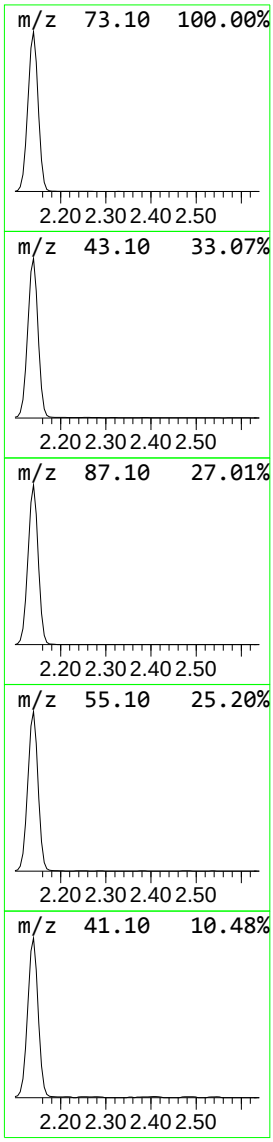
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.140	45.09 ng	1374030	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142186.D
Acq On : 31 Mar 2025 17:57
Operator : RC/JU
Sample : Q1664-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

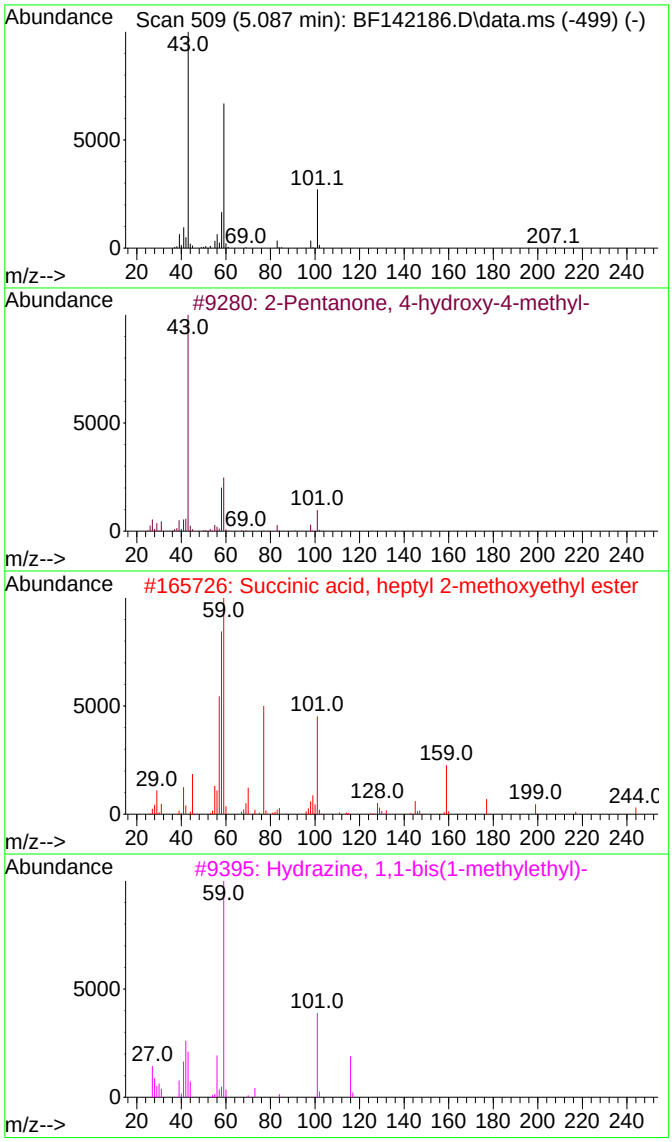
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

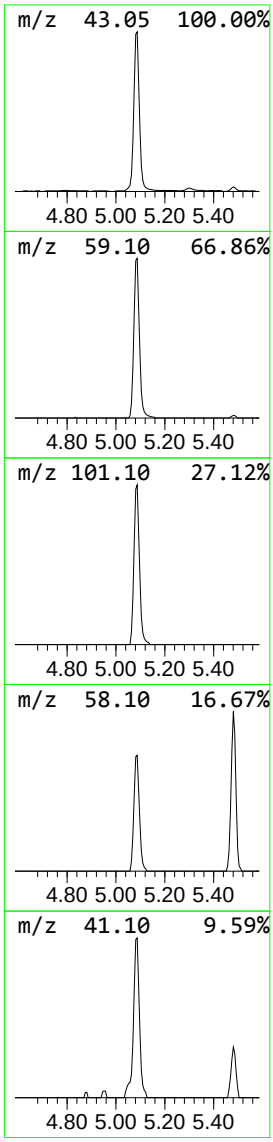
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	6.77 ng	206346	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Succinic acid, heptyl 2-methoxye...	274	C14H26O5	1000325-80-7	33
3	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142186.D
Acq On : 31 Mar 2025 17:57
Operator : RC/JU
Sample : Q1664-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

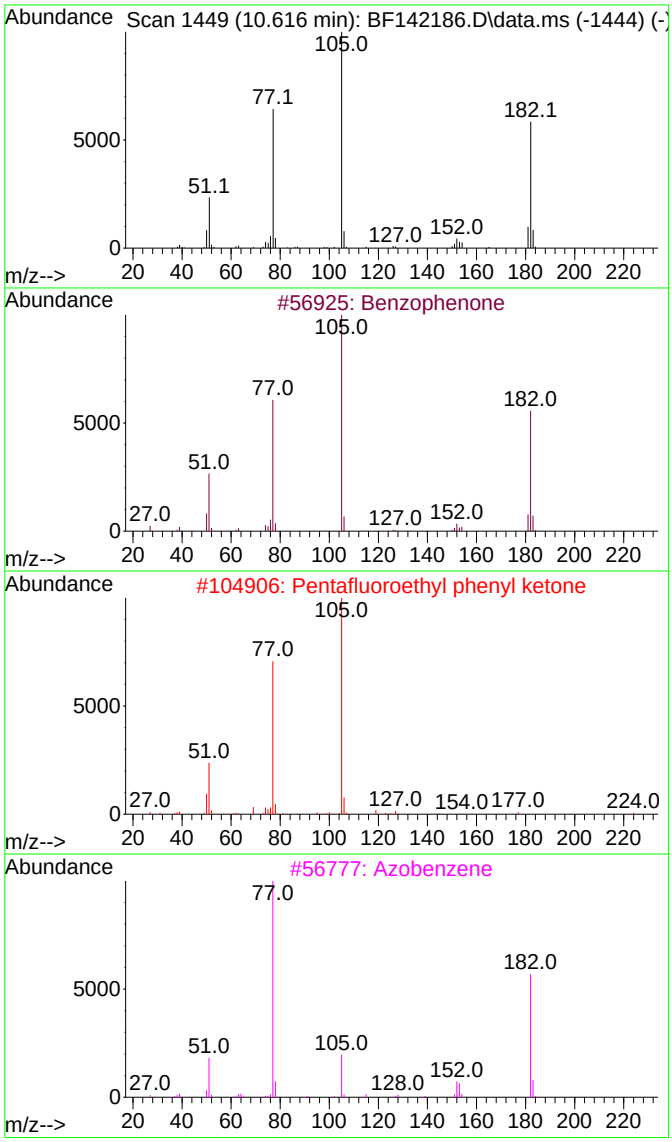
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

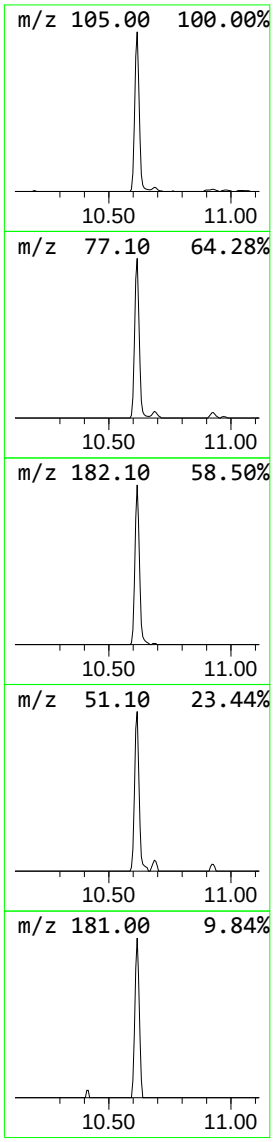
****

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	3.46 ng	151663	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
3	Azobenzene	182	C12H10N2	000103-33-3	47
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142186.D
Acq On : 31 Mar 2025 17:57
Operator : RC/JU
Sample : Q1664-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

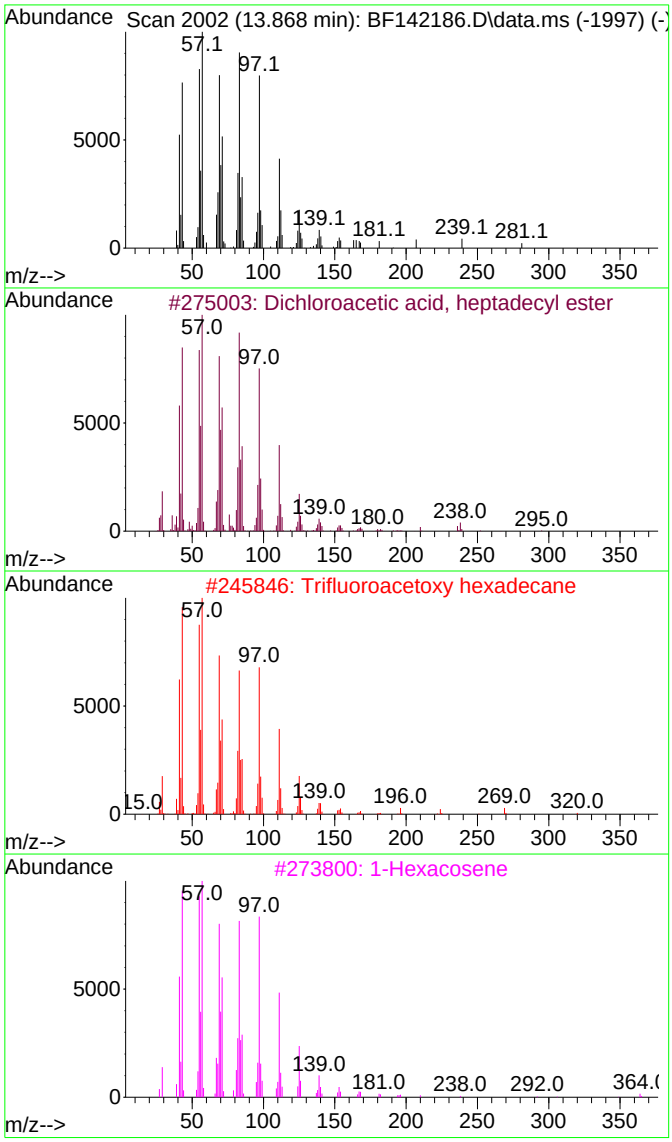
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

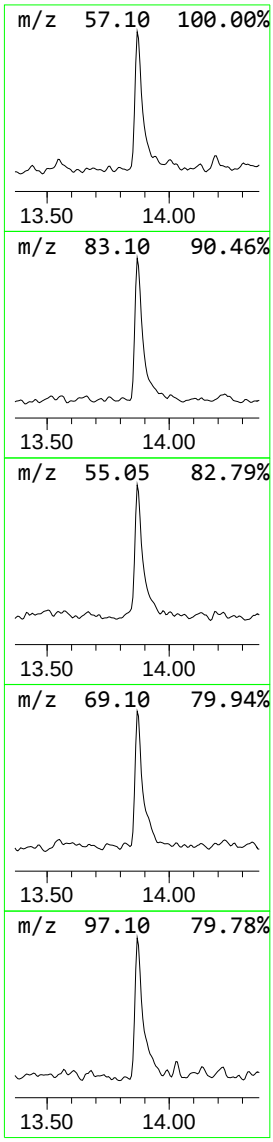
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Dichloroacetic acid, heptad... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.868	4.77 ng	157377	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	95
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
3	1-Hexacosene	364	C26H52	018835-33-1	95
4	1-Heneicosanol	312	C21H44O	015594-90-8	94
5	Behenic alcohol	326	C22H46O	000661-19-8	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142186.D
Acq On : 31 Mar 2025 17:57
Operator : RC/JU
Sample : Q1664-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-006-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.140	45.1	ng	1374030	1	6.863	609458	20.0
2-Pentanone, 4-...	5.087	6.8	ng	206346	1	6.863	609458	20.0
Benzophenone	10.616	3.5	ng	151663	3	9.904	876871	20.0
Dichloroacetic ...	13.868	4.8	ng	157377	5	14.033	659321	20.0

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-006-01RE	SDG No.:	Q1664
Lab Sample ID:	Q1664-17RE	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049794.D	1	03/28/25 09:40	04/02/25 17:22	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	350	ug/Kg
108-95-2	Phenol	23.5	U	23.5	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.8	U	25.8	180	ug/Kg
95-57-8	2-Chlorophenol	25.9	U	25.9	180	ug/Kg
95-48-7	2-Methylphenol	31.8	U	31.8	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39.8	U	39.8	180	ug/Kg
98-86-2	Acetophenone	31.3	U	31.3	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.7	U	43.7	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.3	U	50.3	85.0	ug/Kg
67-72-1	Hexachloroethane	18.7	U	18.7	180	ug/Kg
98-95-3	Nitrobenzene	19.4	U	19.4	180	ug/Kg
78-59-1	Isophorone	34.8	UQ	34.8	180	ug/Kg
88-75-5	2-Nitrophenol	61.8	U	61.8	180	ug/Kg
105-67-9	2,4-Dimethylphenol	68.8	U	68.8	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.7	U	32.7	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.1	U	30.1	180	ug/Kg
91-20-3	Naphthalene	24.1	U	24.1	180	ug/Kg
106-47-8	4-Chloroaniline	37.6	U	37.6	180	ug/Kg
87-68-3	Hexachlorobutadiene	26.9	UQ	26.9	180	ug/Kg
105-60-2	Caprolactam	55.3	U	55.3	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.5	U	30.5	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.2	U	27.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	UQ	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.0	U	21.0	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	30.9	UQ	30.9	180	ug/Kg
92-52-4	1,1-Biphenyl	23.2	U	23.2	180	ug/Kg
91-58-7	2-Chloronaphthalene	23.9	UQ	23.9	180	ug/Kg
88-74-4	2-Nitroaniline	51.1	U	51.1	180	ug/Kg
131-11-3	Dimethylphthalate	28.8	UQ	28.8	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-006-01RE	SDG No.:	Q1664
Lab Sample ID:	Q1664-17RE	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049794.D	1	03/28/25 09:40	04/02/25 17:22	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.7	UQ	30.7	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.7	UQ	35.7	180	ug/Kg
99-09-2	3-Nitroaniline	48.9	U	48.9	180	ug/Kg
83-32-9	Acenaphthene	22.6	U	22.6	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.1	U	24.1	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.2	UQ	53.2	180	ug/Kg
84-66-2	Diethylphthalate	30.1	U	30.1	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.4	UQ	28.4	180	ug/Kg
86-73-7	Fluorene	26.9	U	26.9	180	ug/Kg
100-01-6	4-Nitroaniline	68.2	U	68.2	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	UQ	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	34.9	UQ	34.9	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.5	U	29.5	180	ug/Kg
118-74-1	Hexachlorobenzene	26.9	UQ	26.9	180	ug/Kg
1912-24-9	Atrazine	36.1	U	36.1	180	ug/Kg
87-86-5	Pentachlorophenol	54.5	UQ	54.5	350	ug/Kg
85-01-8	Phenanthrene	22.2	U	22.2	180	ug/Kg
120-12-7	Anthracene	35.4	UQ	35.4	180	ug/Kg
86-74-8	Carbazole	33.1	UQ	33.1	180	ug/Kg
84-74-2	Di-n-butylphthalate	50.9	U	50.9	180	ug/Kg
206-44-0	Fluoranthene	31.9	U	31.9	180	ug/Kg
129-00-0	Pyrene	38.2	UQ	38.2	180	ug/Kg
85-68-7	Butylbenzylphthalate	75.8	U	75.8	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.0	UQ	39.0	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.4	UQ	24.4	180	ug/Kg
218-01-9	Chrysene	21.1	UQ	21.1	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.9	U	62.9	180	ug/Kg
117-84-0	Di-n-octyl phthalate	92.2	U	92.2	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.2	U	20.2	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-006-01RE	SDG No.:	Q1664
Lab Sample ID:	Q1664-17RE	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049794.D	1	03/28/25 09:40	04/02/25 17:22	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.8	U	23.8	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.3	UQ	31.3	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	30.9	U	30.9	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.1	U	29.1	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.3	U	27.3	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.2	U	27.2	180	ug/Kg
123-91-1	1,4-Dioxane	48.0	U	48.0	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.1	U	29.1	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	120		18 - 112	80%	SPK: 150
13127-88-3	Phenol-d6	122		15 - 107	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.8		18 - 107	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.6		20 - 109	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		10 - 116	88%	SPK: 150
1718-51-0	Terphenyl-d14	85.4		10 - 105	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	265000	7.787			
1146-65-2	Naphthalene-d8	906000	10.58			
15067-26-2	Acenaphthene-d10	570000	14.427			
1517-22-2	Phenanthrene-d10	1130000	17.168			
1719-03-5	Chrysene-d12	1220000	21.403			
1520-96-3	Perylene-d12	1240000	24.397			

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\BM040225\
Data File : BM049794.D
Acq On : 02 Apr 2025 17:22
Operator : RC/JU
Sample : Q1664-17RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-006-01RE

Quant Time: Apr 02 18:17:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

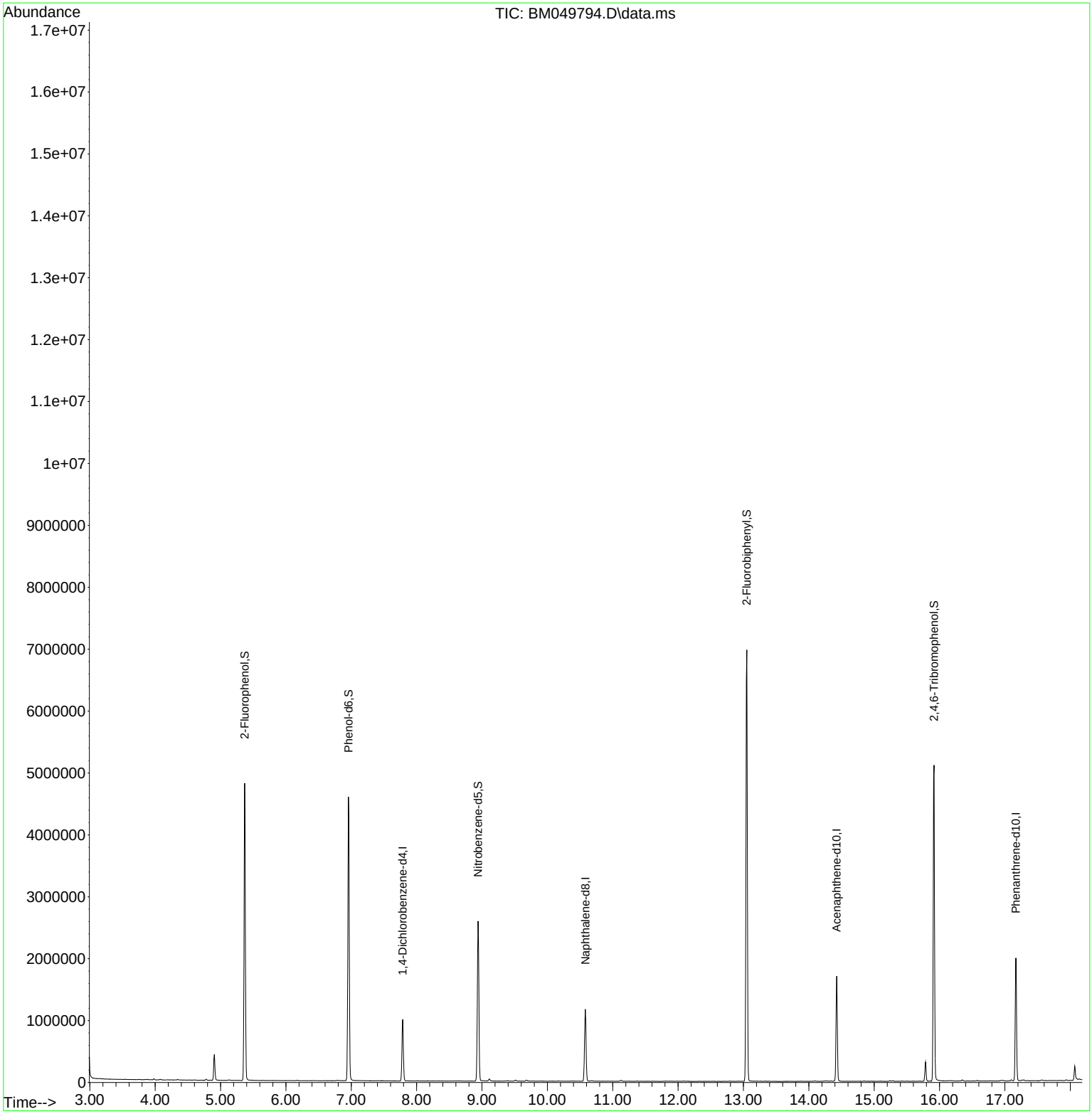
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	265201	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	906107	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	569854	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1129284	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1215932	20.000	ng	-0.02
86) Perylene-d12	24.397	264	1241513	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1878266	119.504	ng	-0.02
7) Phenol-d6	6.957	99	2402938	121.826	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1443387	81.785	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	879433	132.162	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	3577041	78.613	ng	-0.02
79) Terphenyl-d14	19.792	244	6160578	85.378	ng	-0.02
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049794.D
Acq On : 02 Apr 2025 17:22
Operator : RC/JU
Sample : Q1664-17RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-006-01RE

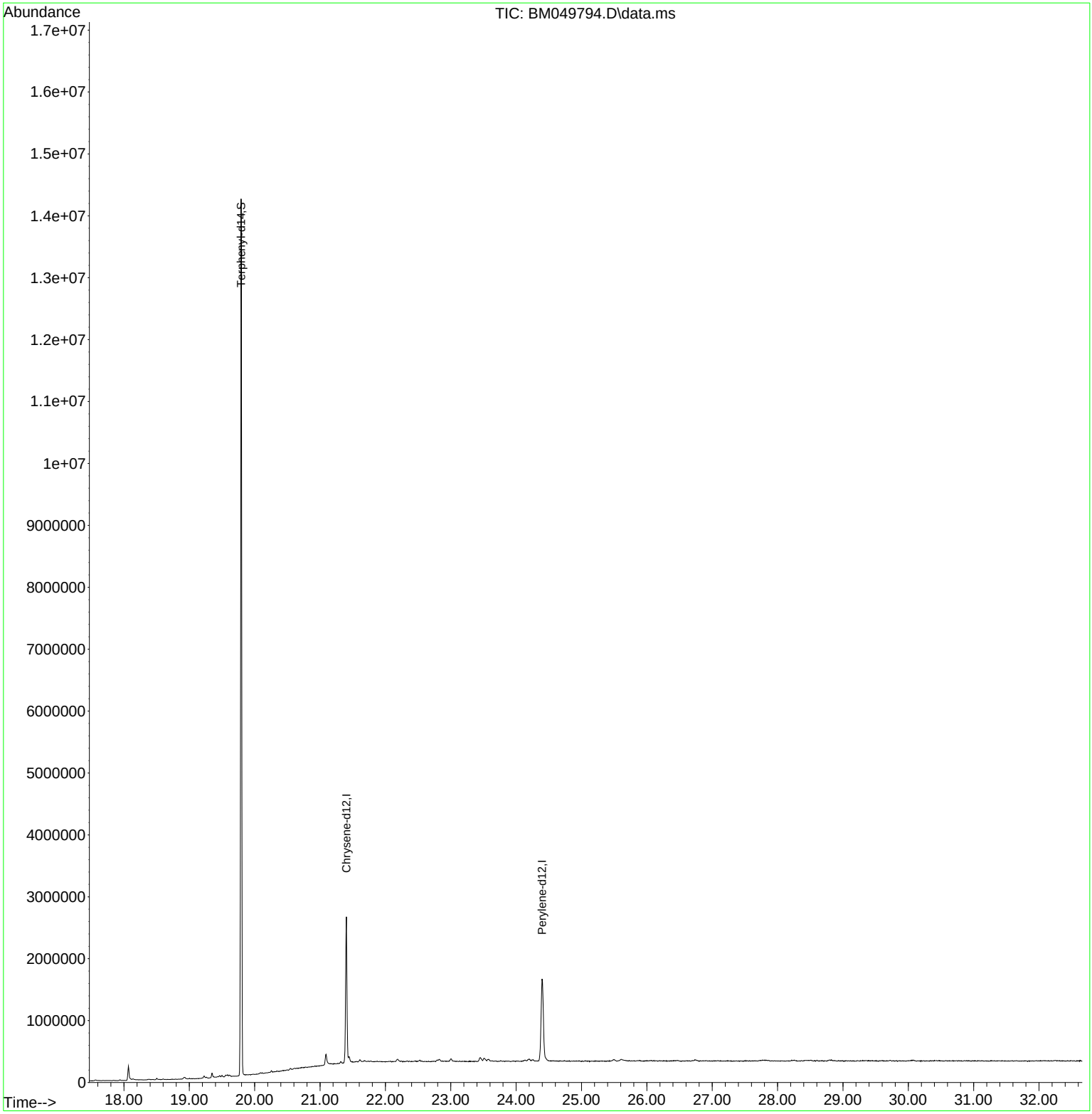
Quant Time: Apr 02 18:17:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

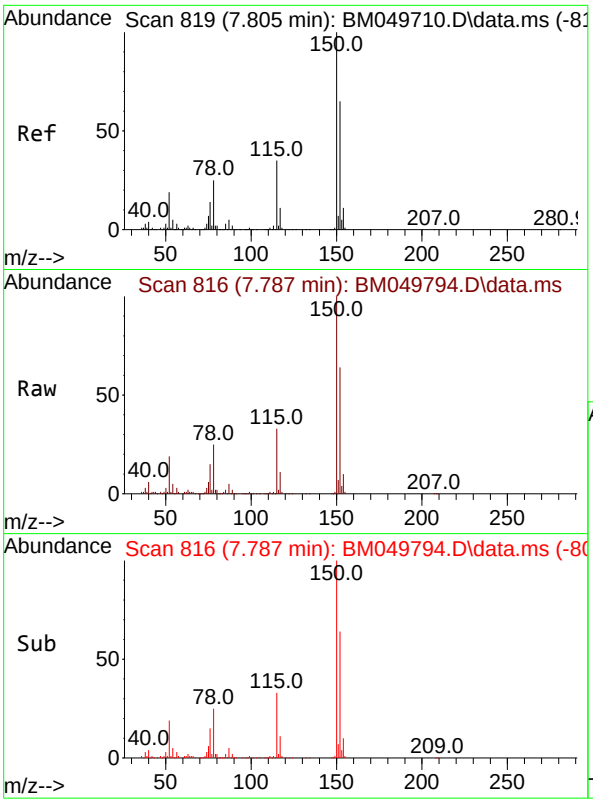


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049794.D
Acq On : 02 Apr 2025 17:22
Operator : RC/JU
Sample : Q1664-17RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-006-01RE

Quant Time: Apr 02 18:17:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



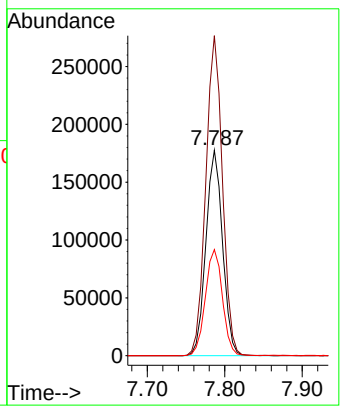


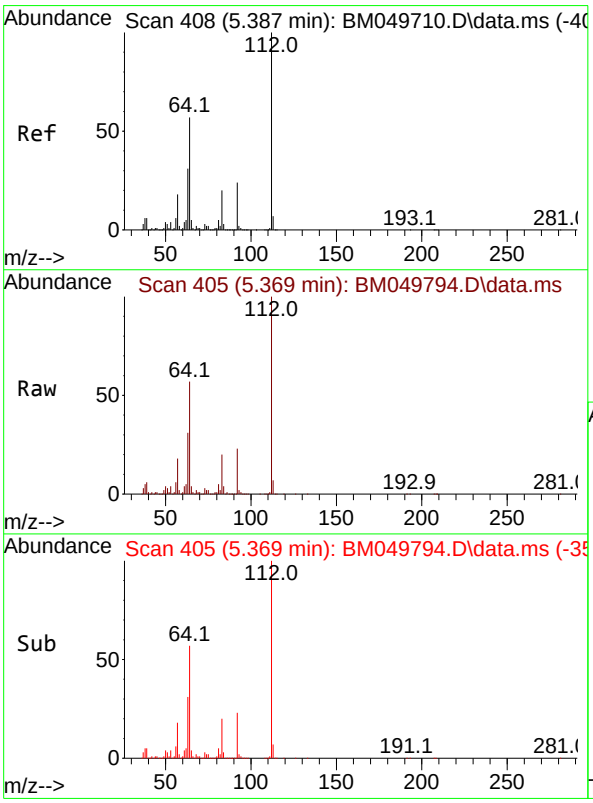
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049794.D
Acq: 02 Apr 2025 17:22

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-006-01RE

Tgt Ion:152 Resp: 265201

Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.8	185.8
115	51.7	43.0	64.6

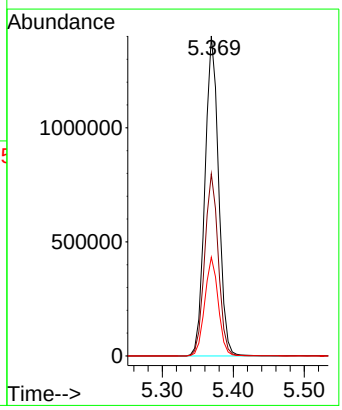


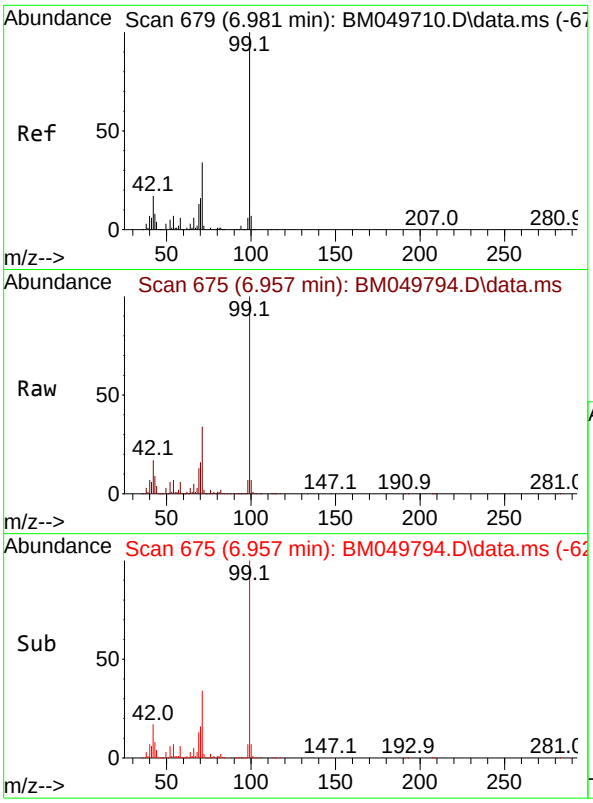


#5
2-Fluorophenol
Concen: 119.504 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049794.D
Acq: 02 Apr 2025 17:22

Tgt Ion:112 Resp: 1878266

Ion	Ratio	Lower	Upper
112	100		
64	56.9	45.3	67.9
63	30.8	24.4	36.6



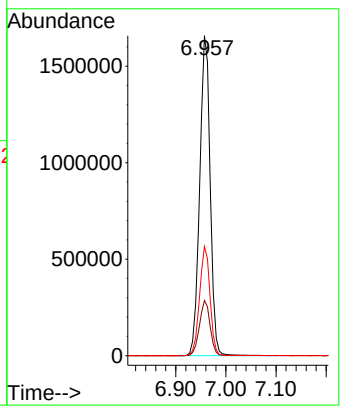


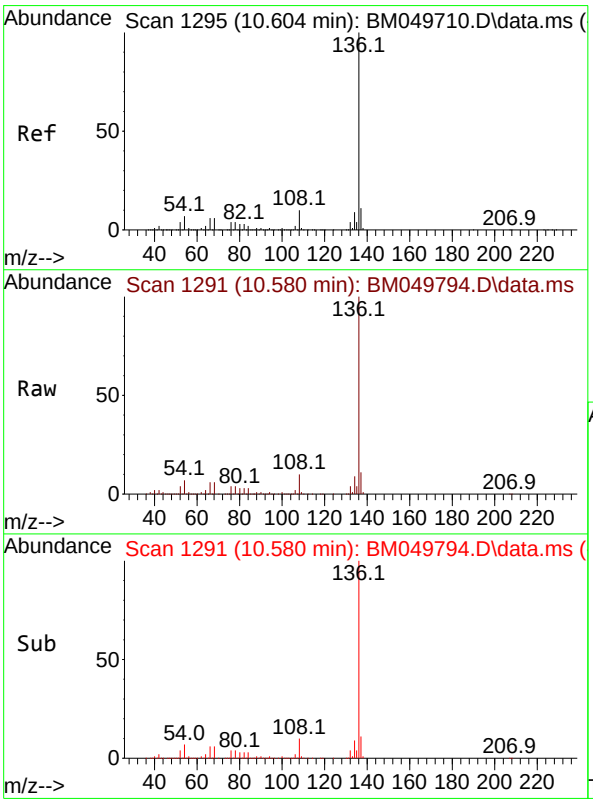
#7
Phenol-d6
Concen: 121.826 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049794.D
Acq: 02 Apr 2025 17:22

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-006-01RE

Tgt Ion: 99 Resp: 2402938

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.6	20.4
71	34.2	27.0	40.6

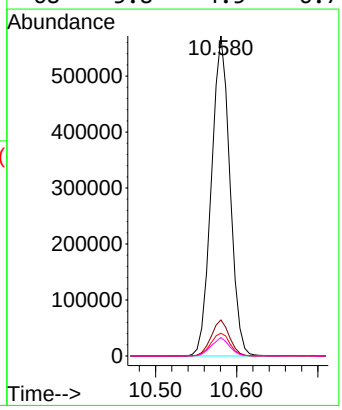


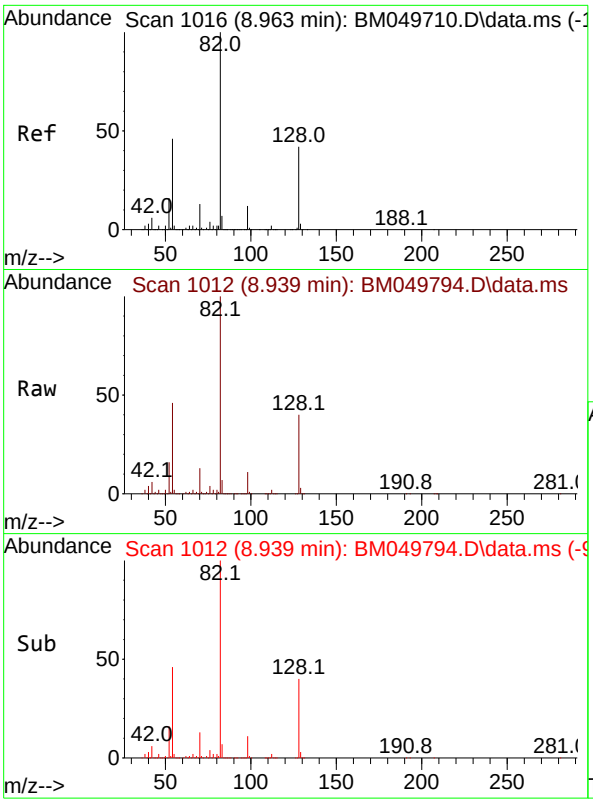


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049794.D
Acq: 02 Apr 2025 17:22

Tgt Ion:136 Resp: 906107

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	12.8
54	7.1	5.8	8.8
68	5.8	4.5	6.7



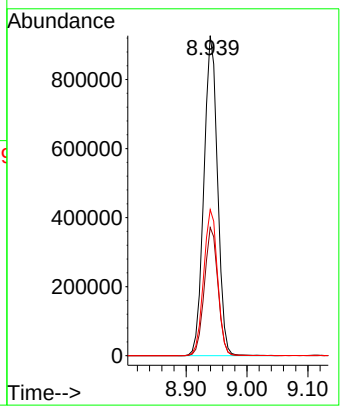


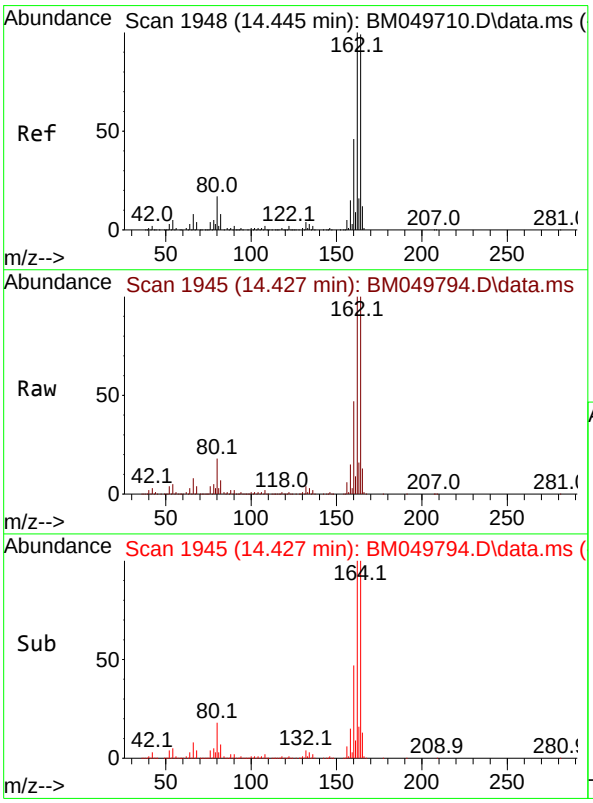
#23
Nitrobenzene-d5
Concen: 81.785 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049794.D
Acq: 02 Apr 2025 17:22

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-006-01RE

Tgt Ion: 82 Resp: 1443387

Ion	Ratio	Lower	Upper
82	100		
128	40.0	33.4	50.0
54	45.7	36.4	54.6

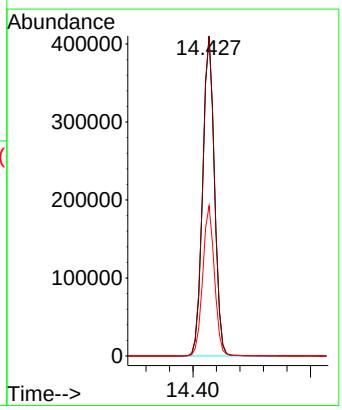


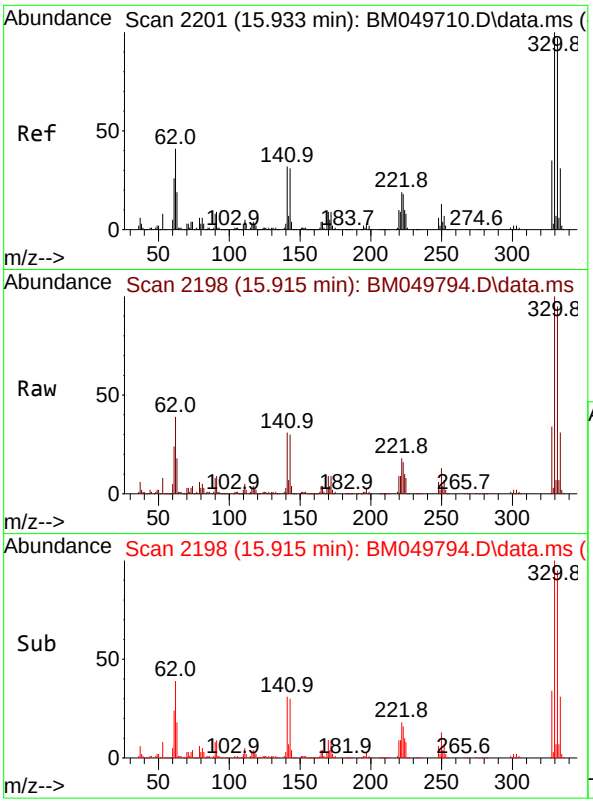


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049794.D
Acq: 02 Apr 2025 17:22

Tgt Ion:164 Resp: 569854

Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.5	120.7
160	47.0	36.9	55.3



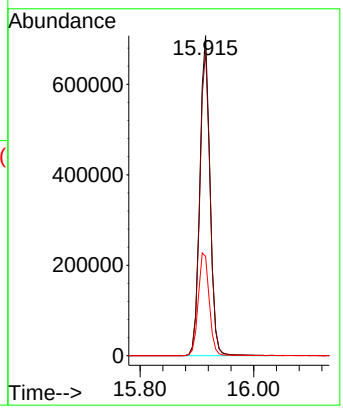


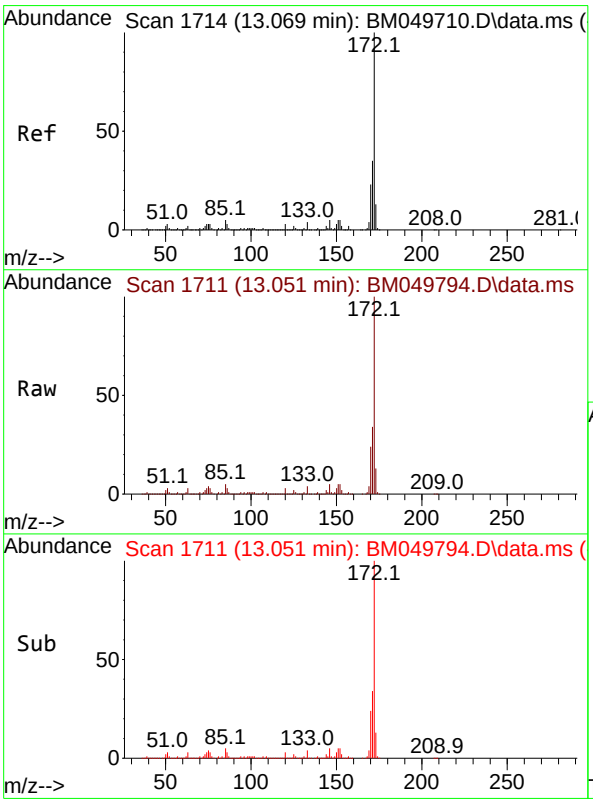
#42
2,4,6-Tribromophenol
Concen: 132.162 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049794.D
Acq: 02 Apr 2025 17:22

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-006-01RE

Tgt Ion:330 Resp: 879433

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.4
141	34.8	27.8	41.6

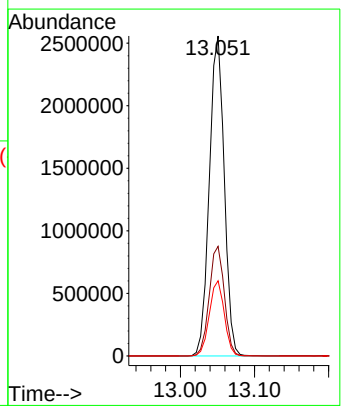


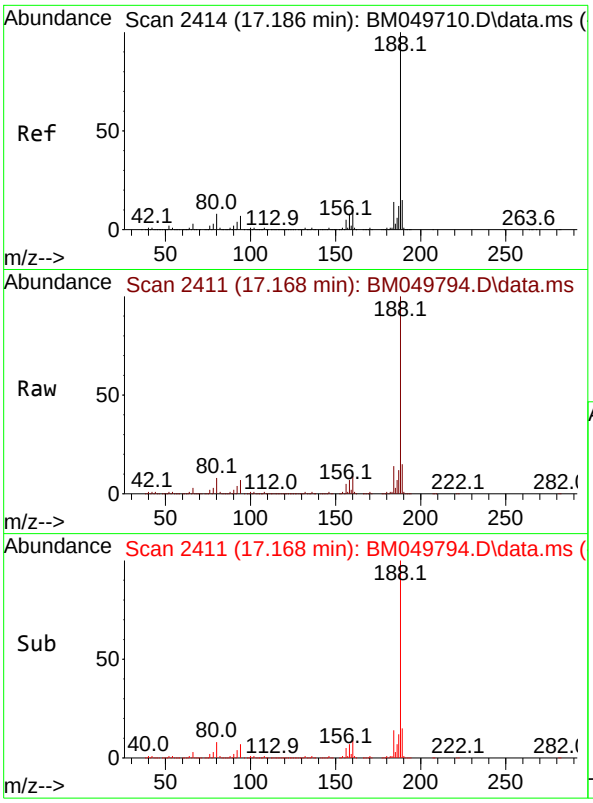


#45
2-Fluorobiphenyl
Concen: 78.613 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049794.D
Acq: 02 Apr 2025 17:22

Tgt Ion:172 Resp: 3577041

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.9	41.9
170	23.5	18.6	28.0



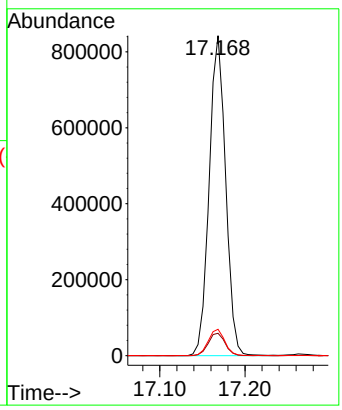


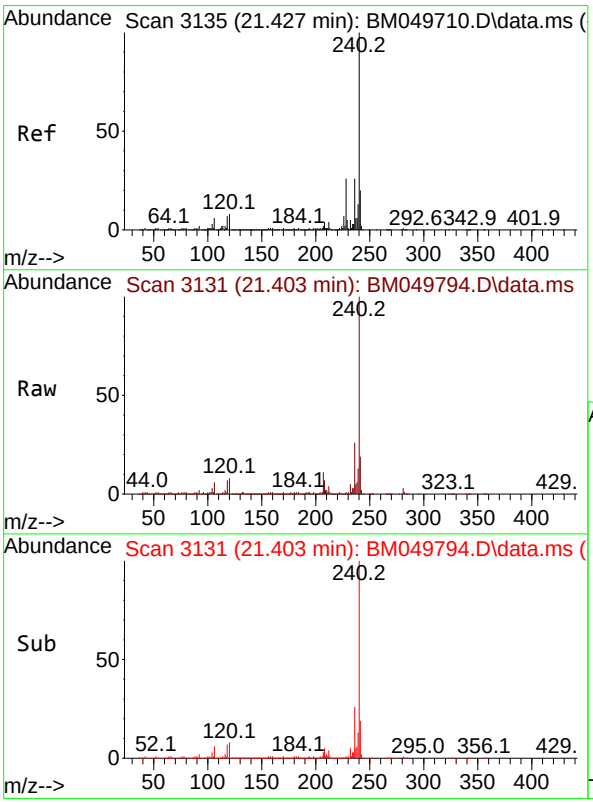
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049794.D
Acq: 02 Apr 2025 17:22

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-006-01RE

Tgt Ion:188 Resp: 1129284

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.8	8.6
80	8.2	6.3	9.5

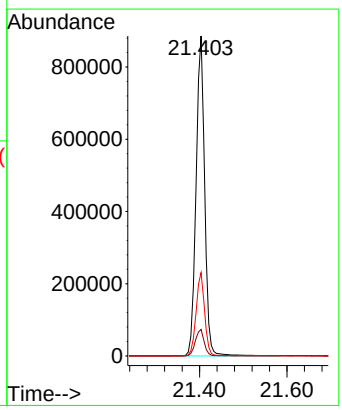


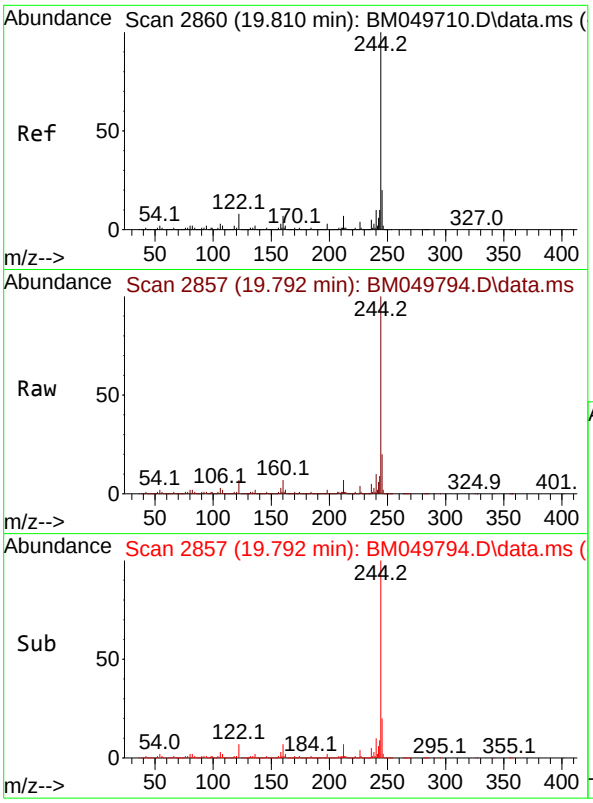


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049794.D
Acq: 02 Apr 2025 17:22

Tgt Ion:240 Resp: 1215932

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.5	9.7
236	26.1	20.7	31.1



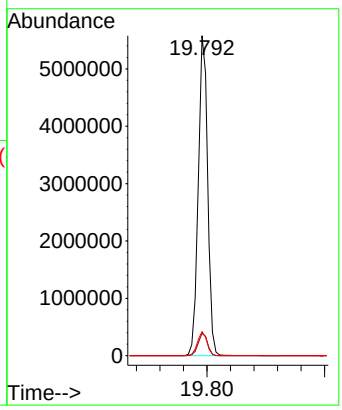


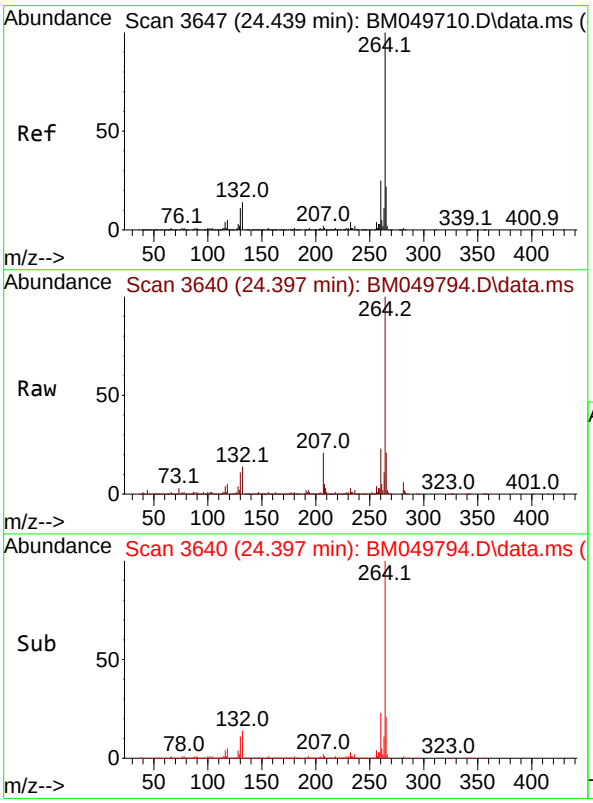
#79
Terphenyl-d14
Concen: 85.378 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049794.D
Acq: 02 Apr 2025 17:22

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-006-01RE

Tgt Ion:244 Resp: 6160578

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	7.5	6.0	9.0

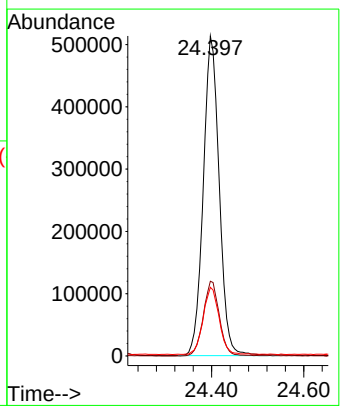




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.042 min
Lab File: BM049794.D
Acq: 02 Apr 2025 17:22

Tgt Ion:264 Resp: 1241513

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.6	29.4
265	21.5	18.2	27.2



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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142190.D	1	03/28/25 09:40	03/31/25 19:56	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	23.8	U	23.8	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.1	U	26.1	180	ug/Kg
95-57-8	2-Chlorophenol	26.2	U	26.2	180	ug/Kg
95-48-7	2-Methylphenol	32.2	U	32.2	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.3	U	40.3	180	ug/Kg
98-86-2	Acetophenone	31.7	U	31.7	180	ug/Kg
65794-96-9	3+4-Methylphenols	44.2	U	44.2	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.0	U	51.0	86.1	ug/Kg
67-72-1	Hexachloroethane	18.9	U	18.9	180	ug/Kg
98-95-3	Nitrobenzene	19.7	U	19.7	180	ug/Kg
78-59-1	Isophorone	35.3	UQ	35.3	180	ug/Kg
88-75-5	2-Nitrophenol	62.6	U	62.6	180	ug/Kg
105-67-9	2,4-Dimethylphenol	69.7	U	69.7	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.1	U	33.1	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.4	U	30.4	180	ug/Kg
91-20-3	Naphthalene	24.4	U	24.4	180	ug/Kg
106-47-8	4-Chloroaniline	38.1	U	38.1	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.2	UQ	27.2	180	ug/Kg
105-60-2	Caprolactam	56.0	U	56.0	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.9	U	30.9	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.5	U	27.5	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	UQ	120	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.3	U	21.3	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.3	UQ	31.3	180	ug/Kg
92-52-4	1,1-Biphenyl	23.5	U	23.5	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.2	UQ	24.2	180	ug/Kg
88-74-4	2-Nitroaniline	51.7	U	51.7	180	ug/Kg
131-11-3	Dimethylphthalate	29.2	UQ	29.2	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142190.D	1	03/28/25 09:40	03/31/25 19:56	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.1	UQ	31.1	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.1	UQ	36.1	180	ug/Kg
99-09-2	3-Nitroaniline	49.5	U	49.5	180	ug/Kg
83-32-9	Acenaphthene	22.9	U	22.9	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.4	U	24.4	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.9	UQ	53.9	180	ug/Kg
84-66-2	Diethylphthalate	30.4	U	30.4	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.7	UQ	28.7	180	ug/Kg
86-73-7	Fluorene	27.2	U	27.2	180	ug/Kg
100-01-6	4-Nitroaniline	69.1	U	69.1	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	UQ	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.4	UQ	35.4	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.9	U	29.9	180	ug/Kg
118-74-1	Hexachlorobenzene	27.2	UQ	27.2	180	ug/Kg
1912-24-9	Atrazine	36.6	U	36.6	180	ug/Kg
87-86-5	Pentachlorophenol	55.2	UQ	55.2	360	ug/Kg
85-01-8	Phenanthrene	22.5	U	22.5	180	ug/Kg
120-12-7	Anthracene	35.8	UQ	35.8	180	ug/Kg
86-74-8	Carbazole	33.6	UQ	33.6	180	ug/Kg
84-74-2	Di-n-butylphthalate	51.5	U	51.5	180	ug/Kg
206-44-0	Fluoranthene	32.3	U	32.3	180	ug/Kg
129-00-0	Pyrene	38.7	UQ	38.7	180	ug/Kg
85-68-7	Butylbenzylphthalate	76.8	U	76.8	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.5	UQ	39.5	360	ug/Kg
56-55-3	Benzo(a)anthracene	24.7	UQ	24.7	180	ug/Kg
218-01-9	Chrysene	21.4	UQ	21.4	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63.7	U	63.7	180	ug/Kg
117-84-0	Di-n-octyl phthalate	93.4	U	93.4	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.4	U	20.4	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142190.D	1	03/28/25 09:40	03/31/25 19:56	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.1	U	24.1	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.7	UQ	31.7	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.3	U	31.3	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.5	U	29.5	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.6	U	27.6	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.5	U	27.5	180	ug/Kg
123-91-1	1,4-Dioxane	48.6	U	48.6	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.5	U	29.5	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	134		18 - 112	89%	SPK: 150
13127-88-3	Phenol-d6	140		15 - 107	93%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.0		18 - 107	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.7		20 - 109	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		10 - 116	86%	SPK: 150
1718-51-0	Terphenyl-d14	72.9		10 - 105	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	123000	6.863			
1146-65-2	Naphthalene-d8	471000	8.145			
15067-26-2	Acenaphthene-d10	231000	9.904			
1517-22-2	Phenanthrene-d10	352000	11.386			
1719-03-5	Chrysene-d12	257000	14.033			
1520-96-3	Perylene-d12	307000	15.509			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1800	JB		2.15	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	320	AB		5.09	ug/Kg
000119-61-9	Benzophenone	340	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	73.2	J		11.9	ug/Kg
018835-33-1	1-Hexacosene	240	J		13.9	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-007-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142190.D	1	03/28/25 09:40	03/31/25 19:56	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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_F\Data\BF033125\
Data File : BF142190.D
Acq On : 31 Mar 2025 19:56
Operator : RC/JU
Sample : Q1664-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

Quant Time: Apr 01 00:47:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	123407	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	471110	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	230557	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	352364m	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	257348	20.000	ng	0.00
86) Perylene-d12	15.509	264	307223	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	988528	133.689	ng	0.00
7) Phenol-d6	6.492	99	1320144	140.224	ng	-0.01
23) Nitrobenzene-d5	7.428	82	820177	97.973	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	376057	128.570	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1511974	99.734	ng	-0.02
79) Terphenyl-d14	12.974	244	1268490	72.874	ng	-0.01
Target Compounds						Qvalue

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

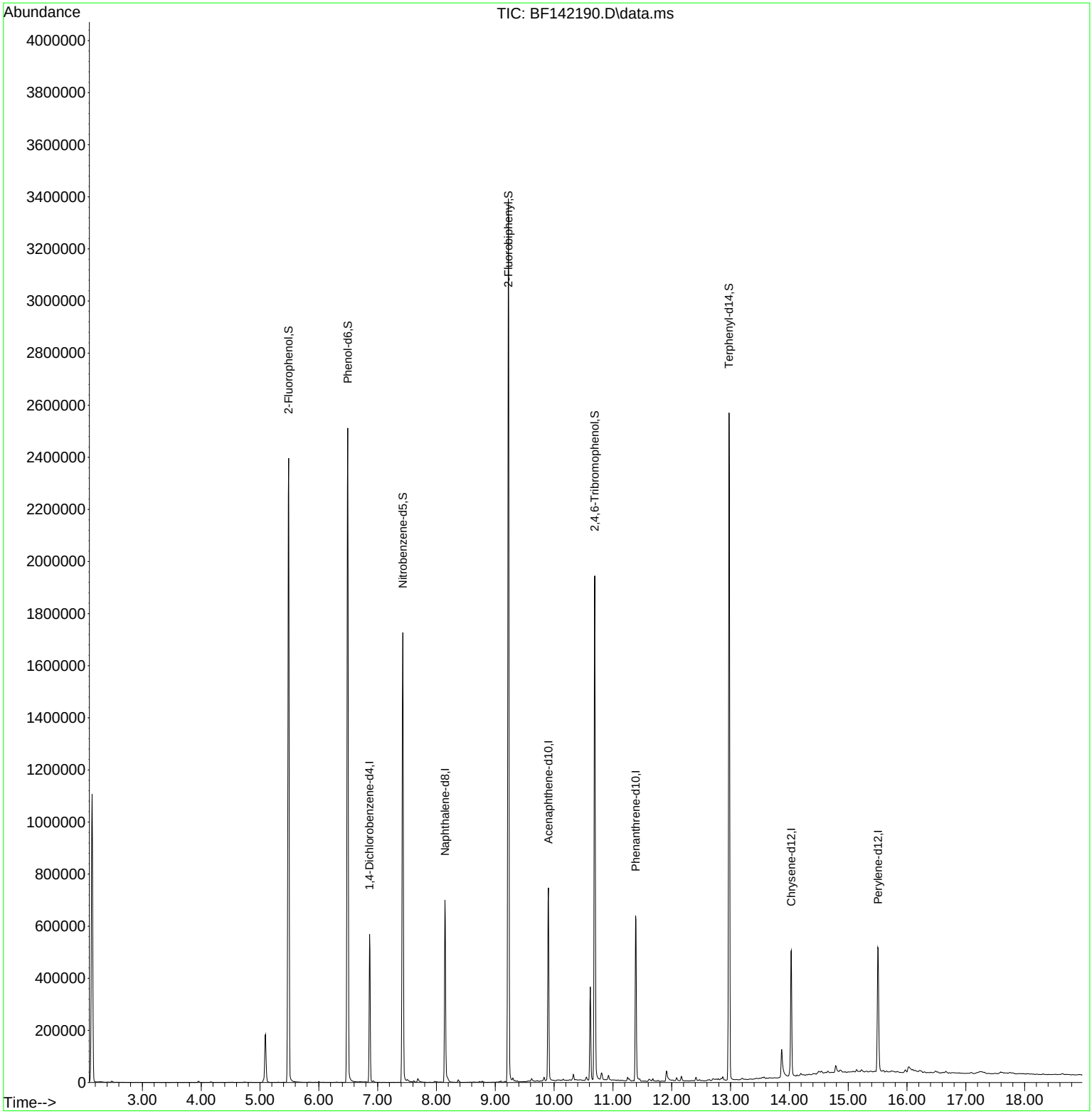
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142190.D
Acq On : 31 Mar 2025 19:56
Operator : RC/JU
Sample : Q1664-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

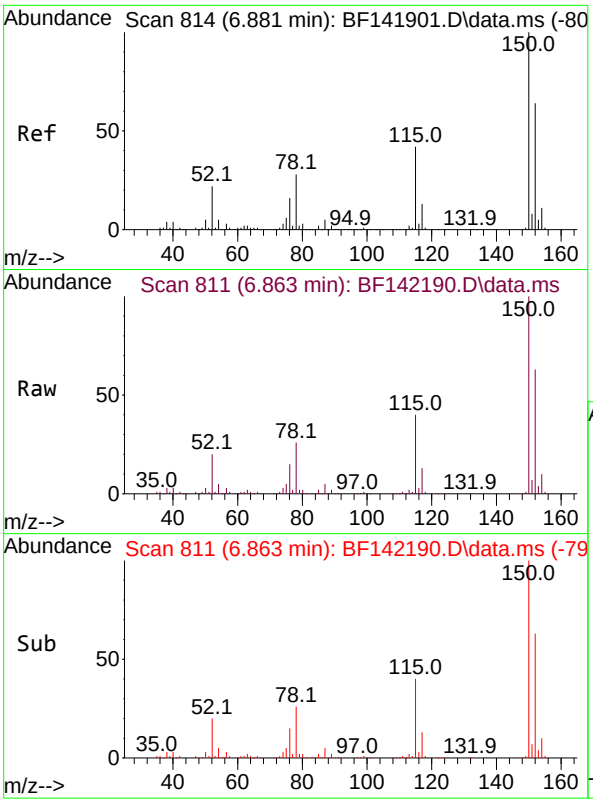
Quant Time: Apr 01 00:47:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

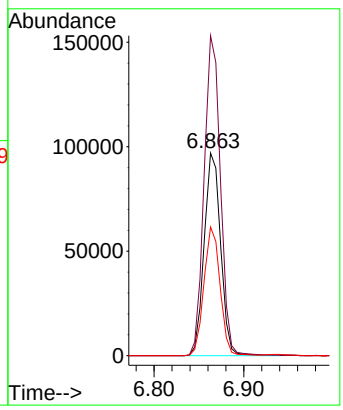




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion:152 Resp: 12340

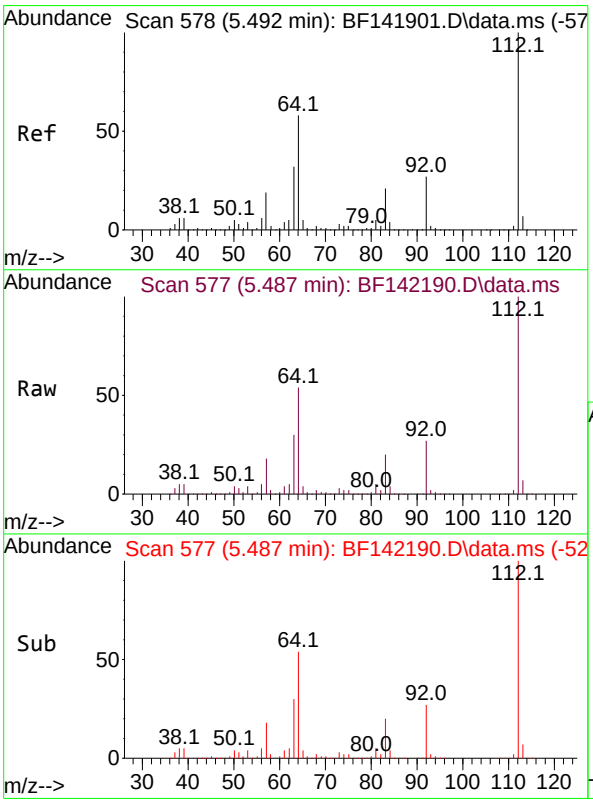
Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.4	191.2
115	63.5	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Manual Integrations
APPROVED

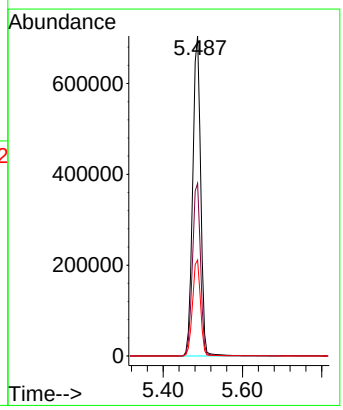
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

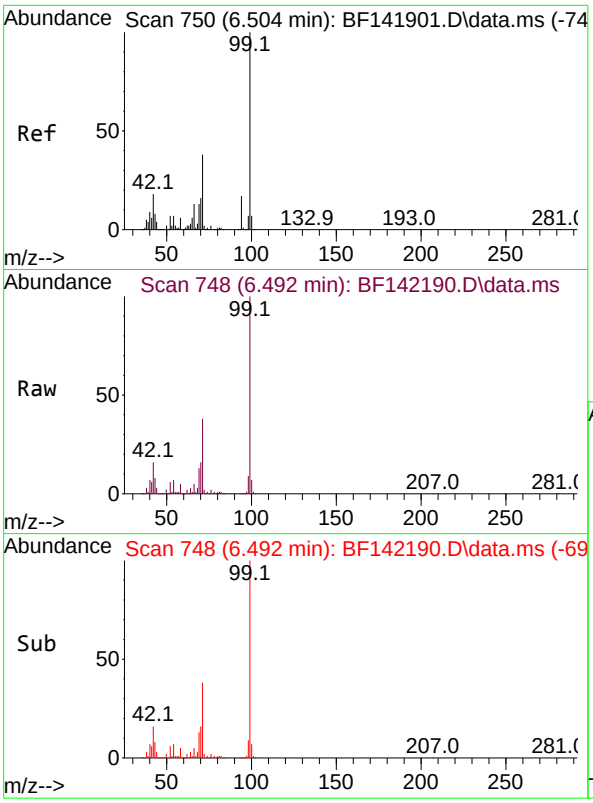


#5
2-Fluorophenol
Concen: 133.689 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion:112 Resp: 988528

Ion	Ratio	Lower	Upper
112	100		
64	54.0	46.5	69.7
63	30.0	25.4	38.2

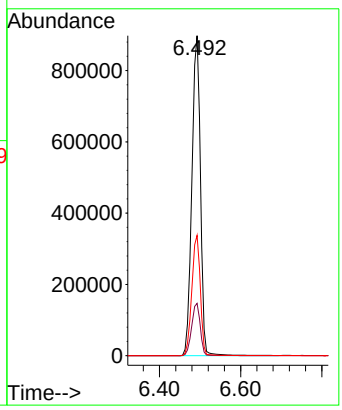




#7
Phenol-d6
Concen: 140.224 ng
RT: 6.492 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion: 99 Resp: 132014

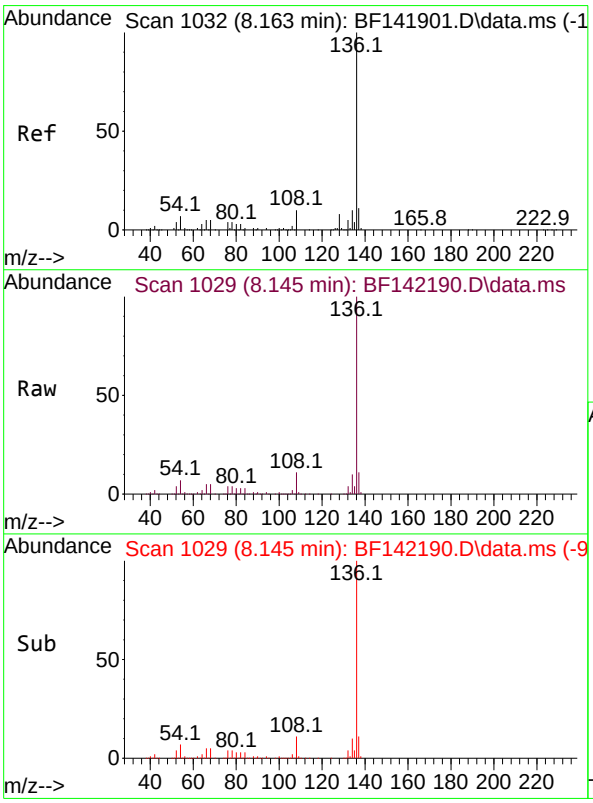
Ion	Ratio	Lower	Upper
99	100		
42	16.3	14.6	21.8
71	37.6	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Manual Integrations
APPROVED

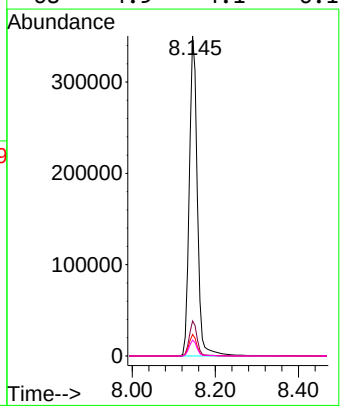
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

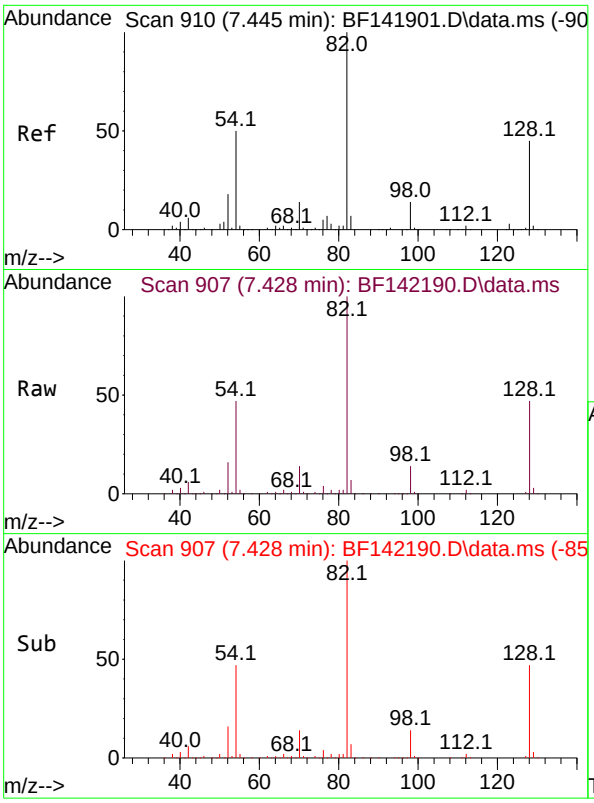


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion:136 Resp: 471110

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.7	5.8	8.8
68	4.9	4.1	6.1

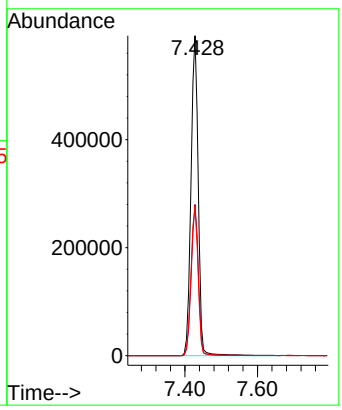




#23
Nitrobenzene-d5
Concen: 97.973 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion: 82 Resp: 82017

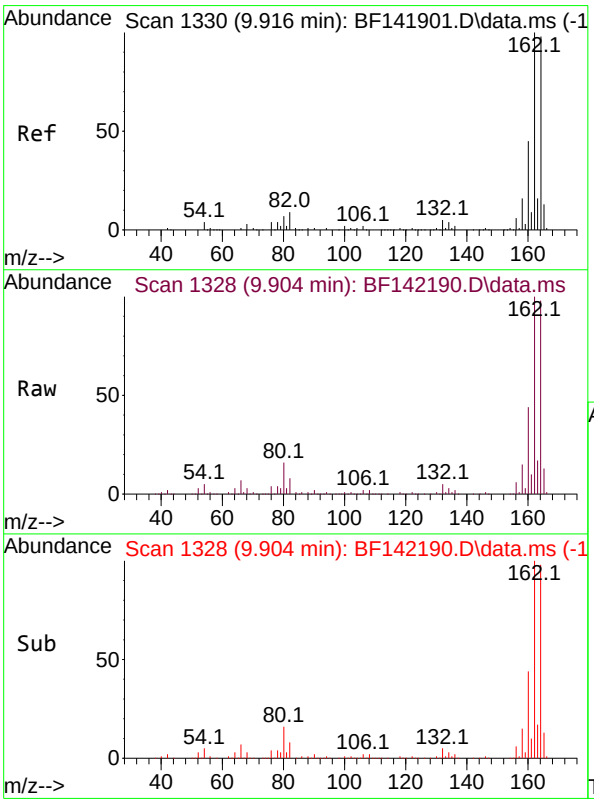
Ion	Ratio	Lower	Upper
82	100		
128	47.3	36.0	54.0
54	46.7	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Manual Integrations
APPROVED

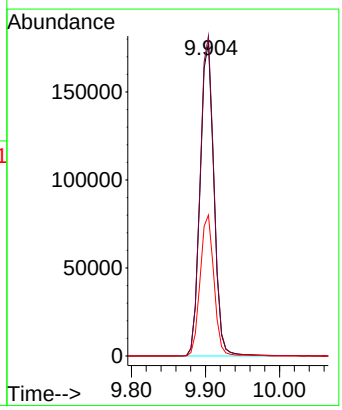
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

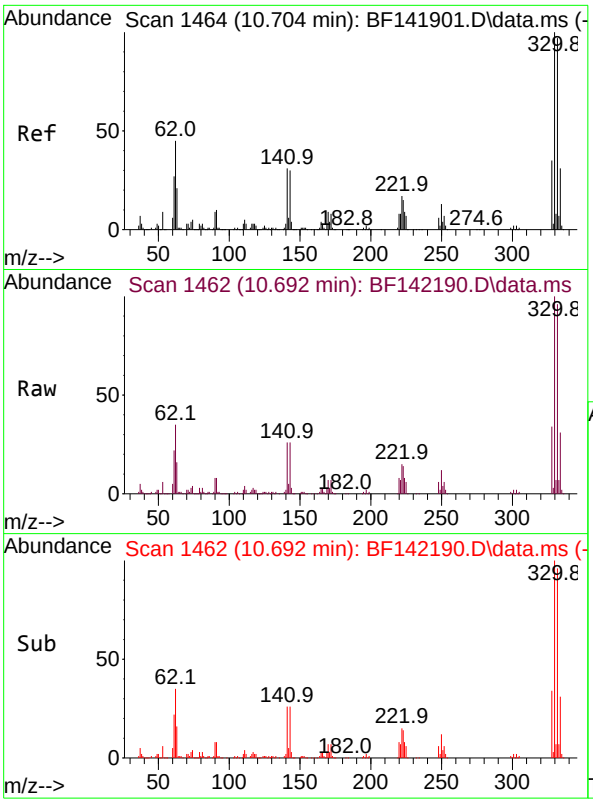


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion:164 Resp: 230557

Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.8	122.6
160	45.0	36.7	55.1

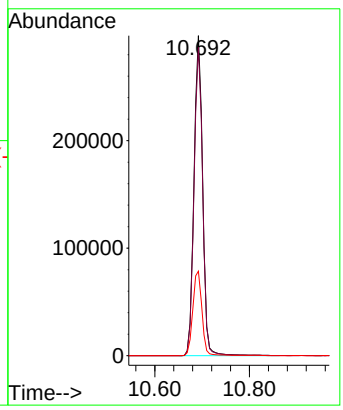




#42
2,4,6-Tribromophenol
Concen: 128.570 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion:330 Resp: 37605

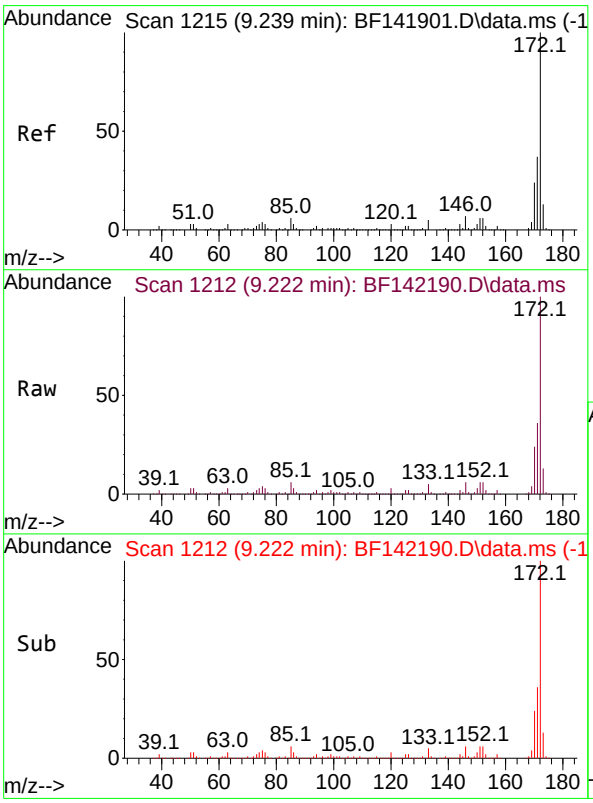
Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.6	116.4
141	27.8	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Manual Integrations
APPROVED

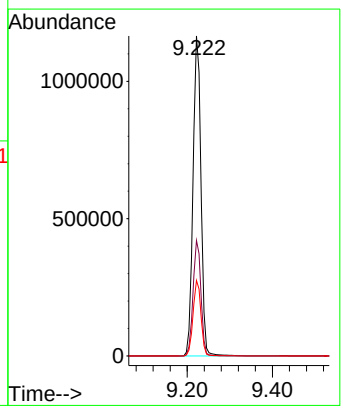
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

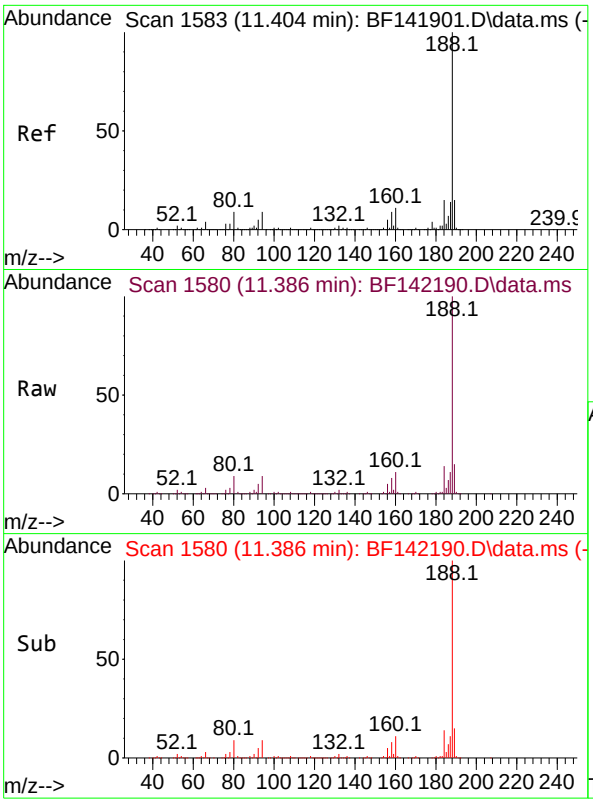


#45
2-Fluorobiphenyl
Concen: 99.734 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion:172 Resp: 1511974

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.3	43.9
170	23.6	19.4	29.0

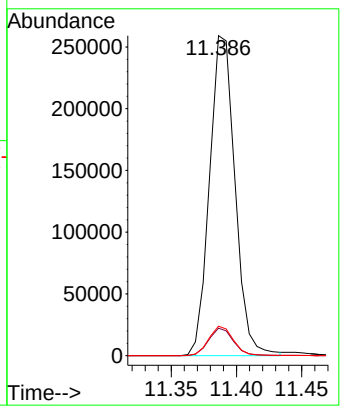




#64
Phenanthrene-d10
Concen: 20.000 ng m
RT: 11.386 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion:188 Resp: 35236

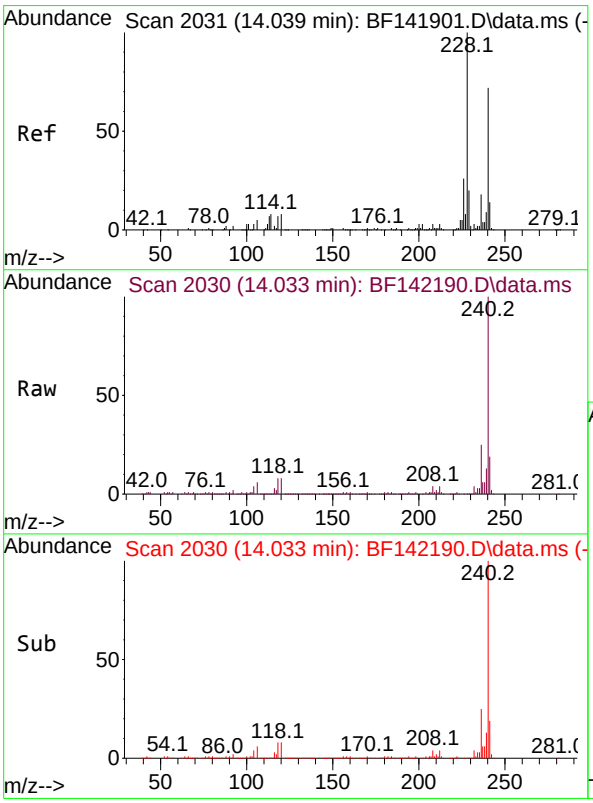
Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.8	10.2
80	9.2	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Manual Integrations
APPROVED

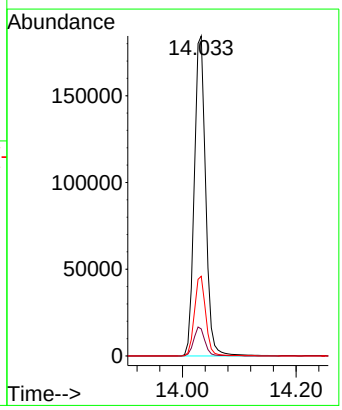
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

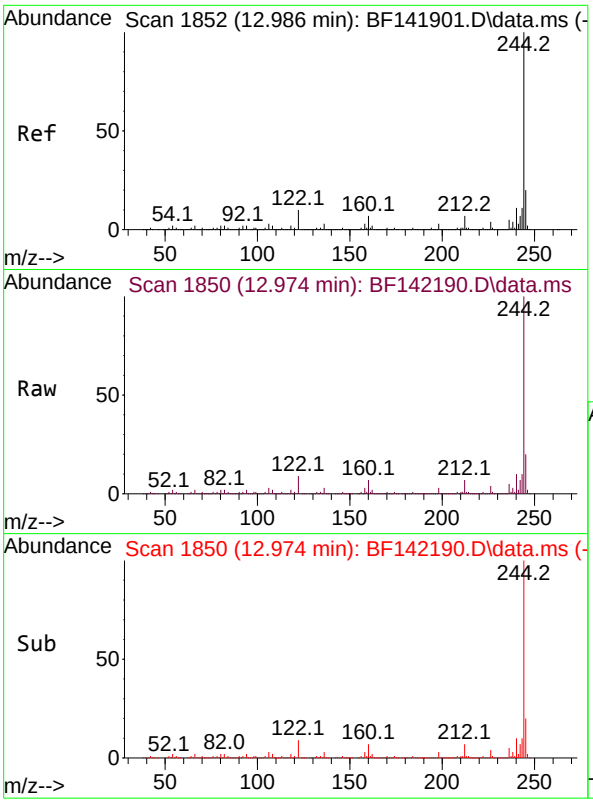


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion:240 Resp: 257348

Ion	Ratio	Lower	Upper
240	100		
120	8.5	8.4	12.6
236	24.9	20.5	30.7

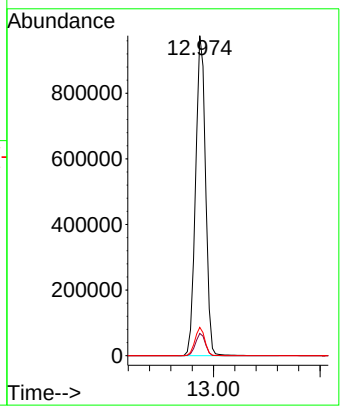




#79
Terphenyl-d14
Concen: 72.874 ng
RT: 12.974 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion:244 Resp: 126849

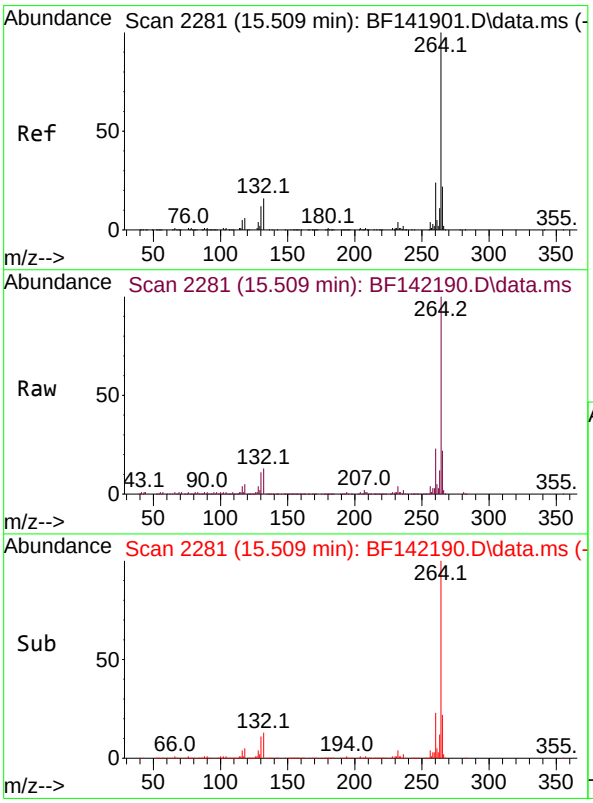
Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	8.9	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Manual Integrations
APPROVED

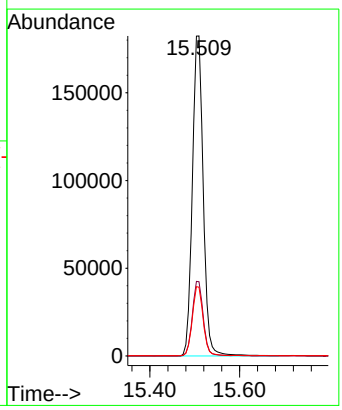
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142190.D
Acq: 31 Mar 2025 19:56

Tgt Ion:264 Resp: 307223

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.1	28.7
265	21.5	17.5	26.3



Sample Results: **BF142190.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142190.D
Acq On : 31 Mar 2025 19:56
Operator : RC/JU
Sample : Q1664-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142190.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.146	3	9	21	rVB	1104834	1779537	41.01%	6.464%
2	5.092	499	510	524	rBV	183868	318355	7.34%	1.156%
3	5.487	570	577	582	rBV	2396187	3337442	76.92%	12.123%
4	6.492	741	748	753	rBV	2511443	3657269	84.29%	13.285%
5	6.863	806	811	819	rBV	567564	708722	16.33%	2.574%
6	7.428	900	907	917	rBV	1726577	2354976	54.27%	8.554%
7	8.145	1024	1029	1048	rBV	698798	935673	21.56%	3.399%
8	9.222	1206	1212	1222	rBV	3390578	4339086	100.00%	15.762%
9	9.904	1320	1328	1342	rBV	740440	967418	22.30%	3.514%
10	10.616	1444	1449	1456	rBV	357687	454976	10.49%	1.653%
11	10.692	1456	1462	1477	rVV	1935463	2513578	57.93%	9.130%
12	10.810	1477	1482	1489	rVB3	26080	48030	1.11%	0.174%
13	11.386	1575	1580	1589	rBV	634897	865854	19.95%	3.145%
14	11.910	1665	1669	1684	rBV3	38573	88300	2.03%	0.321%
15	12.974	1844	1850	1863	rBV	2561342	3315157	76.40%	12.042%
16	13.868	1997	2002	2019	rBV	107071	234490	5.40%	0.852%
17	14.033	2022	2030	2039	rVV	482142	698128	16.09%	2.536%
18	14.786	2154	2158	2168	rBV4	25741	54890	1.27%	0.199%
19	15.504	2274	2280	2291	rBV	477009	798944	18.41%	2.902%
20	16.033	2365	2370	2379	rBV7	18323	58691	1.35%	0.213%

Sum of corrected areas: 27529516

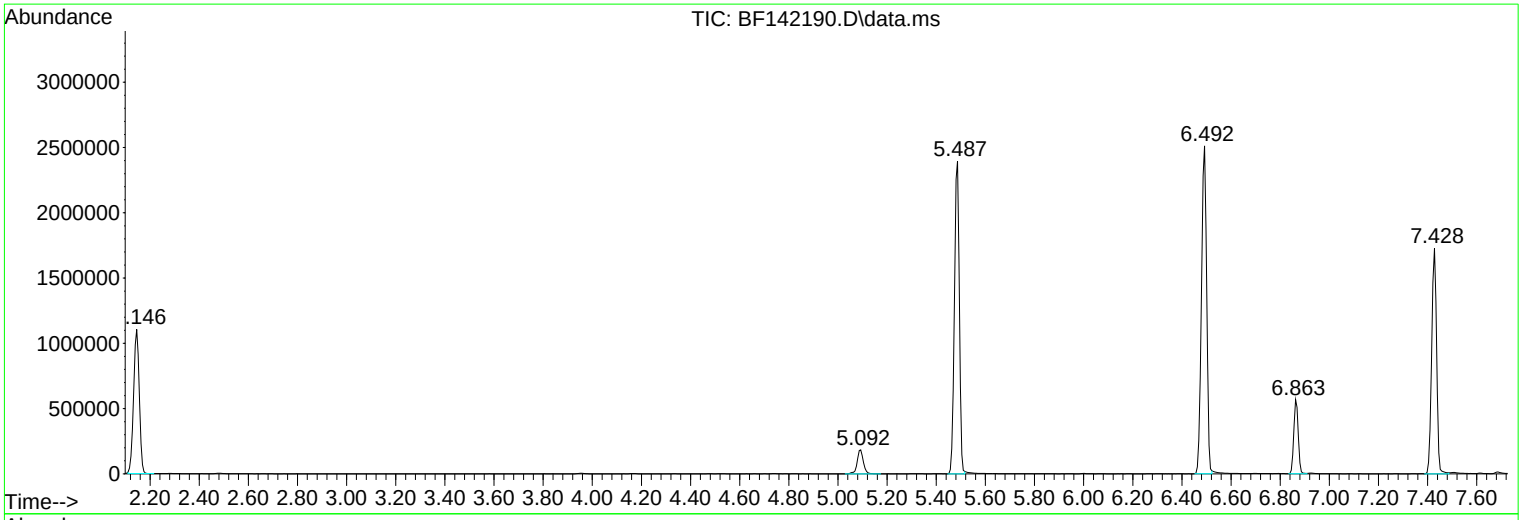
Sample Results: **BF142190.D**

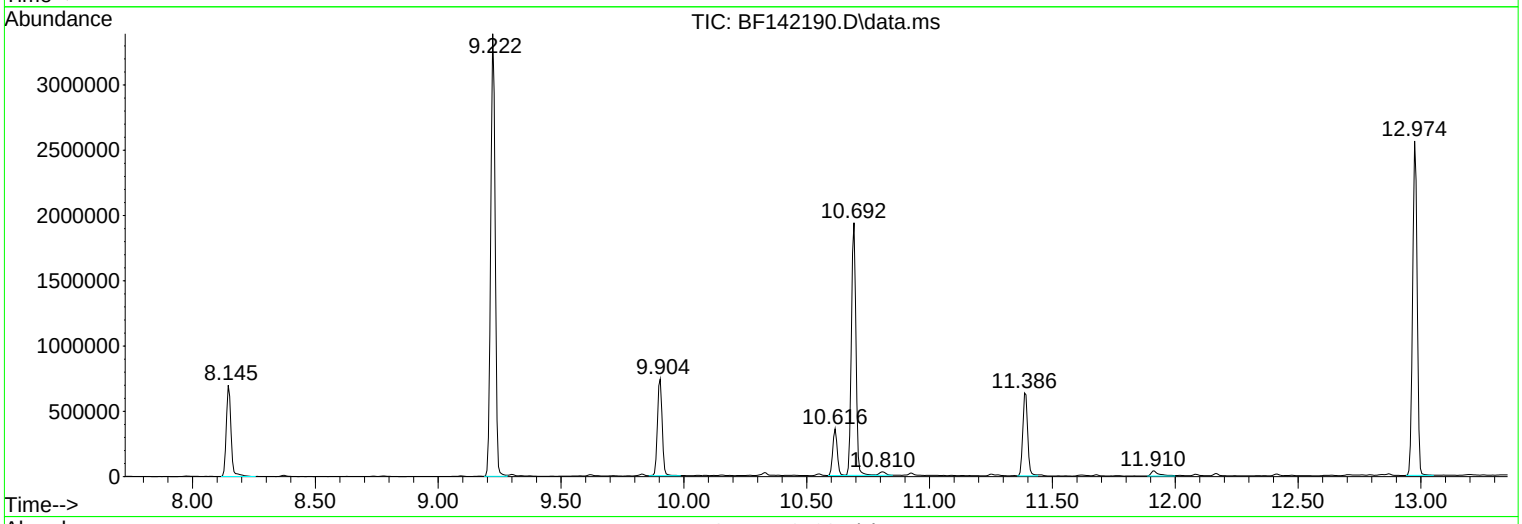
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142190.D
Acq On : 31 Mar 2025 19:56
Operator : RC/JU
Sample : Q1664-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

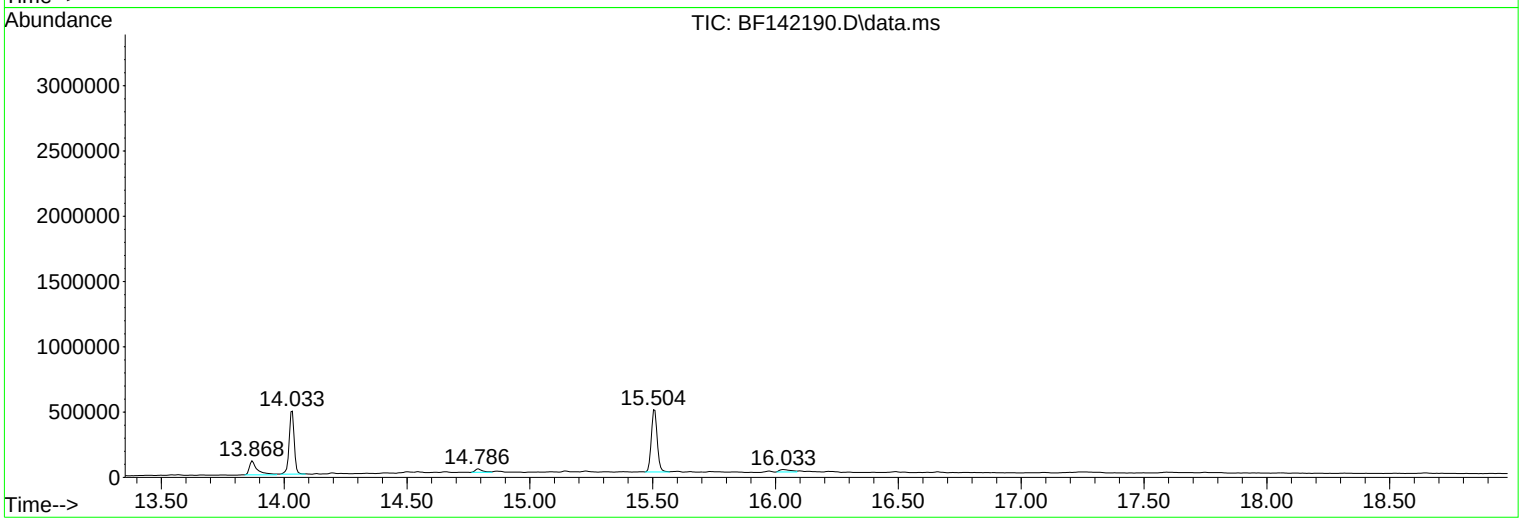
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142190.D
Acq On : 31 Mar 2025 19:56
Operator : RC/JU
Sample : Q1664-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

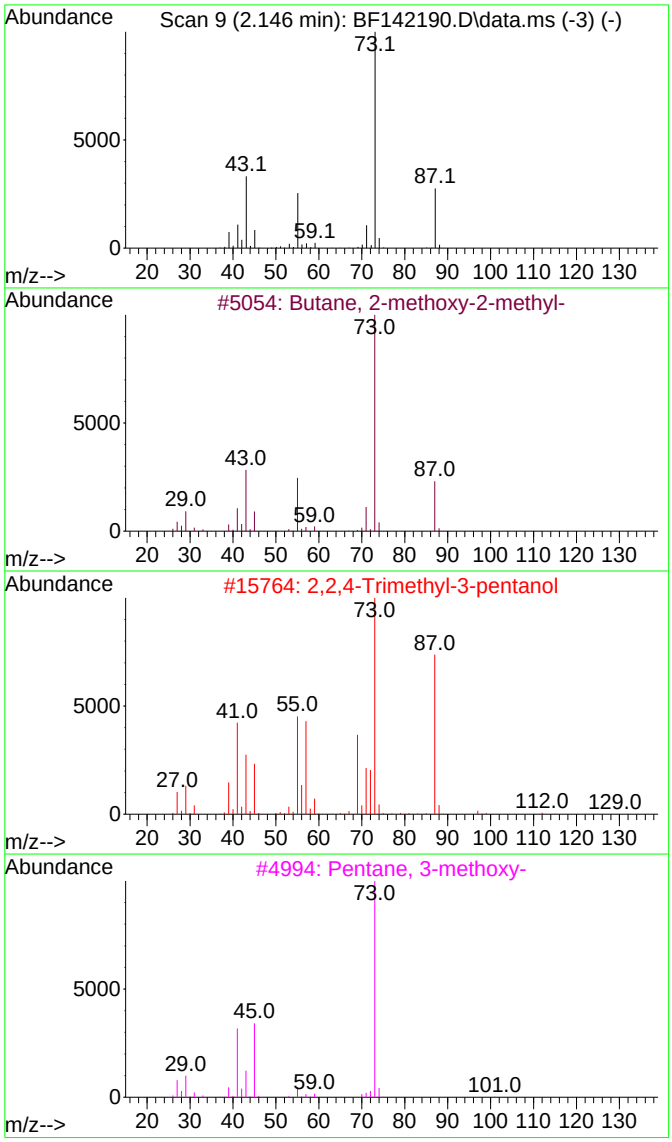
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

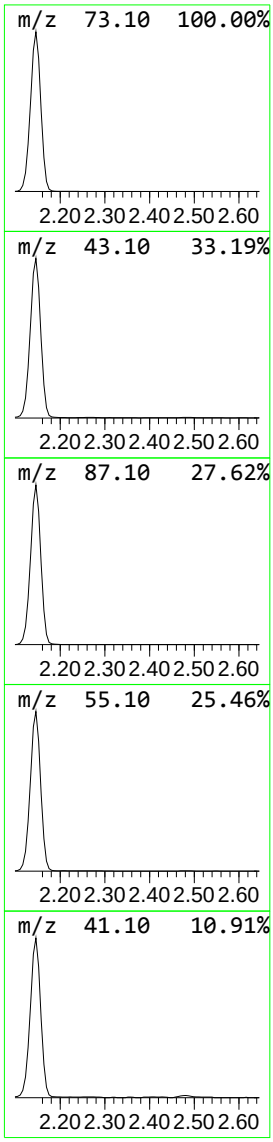
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.146	50.22 ng	1779540	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142190.D
Acq On : 31 Mar 2025 19:56
Operator : RC/JU
Sample : Q1664-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

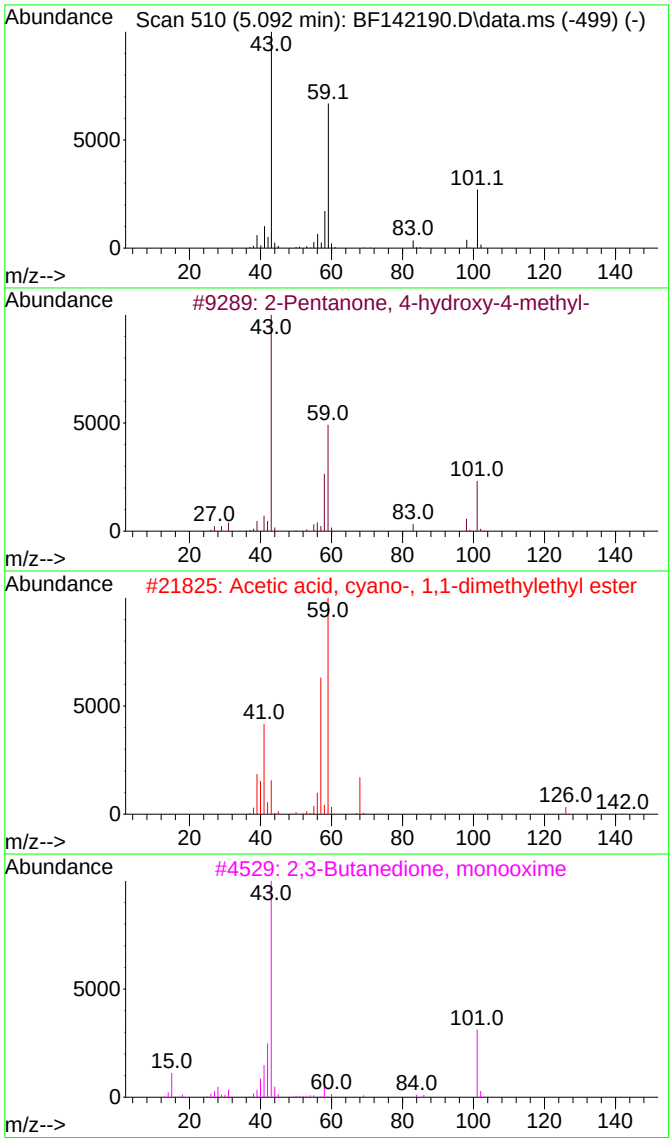
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

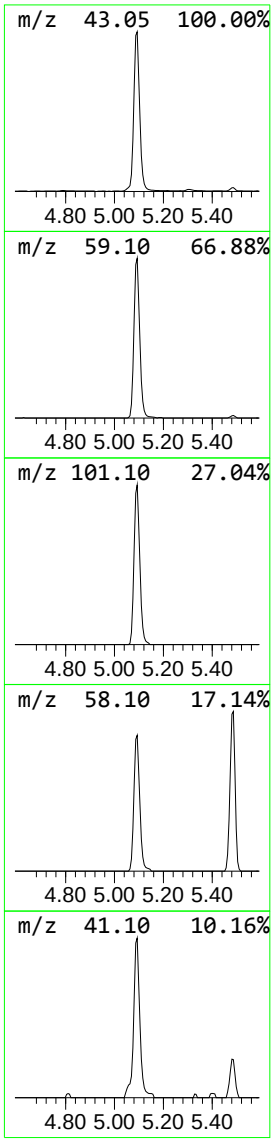
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.092	8.98 ng	318355	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	Acetone	58	C3H6O	000067-64-1	10
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142190.D
Acq On : 31 Mar 2025 19:56
Operator : RC/JU
Sample : Q1664-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

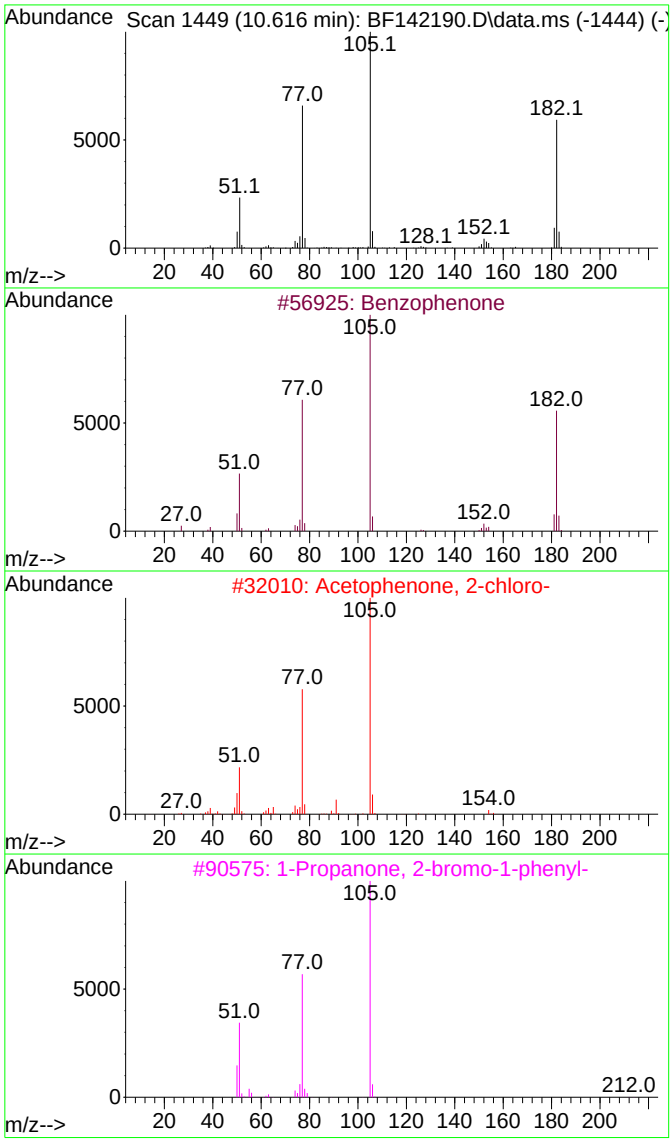
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

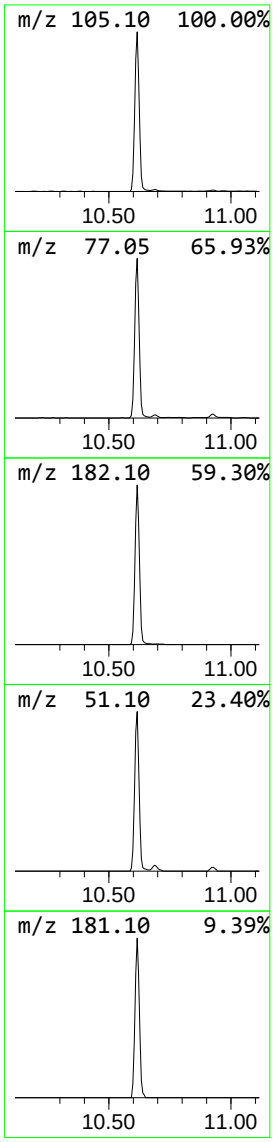
****

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	9.41 ng	454976	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
4	Ethanone, 2,2,2-trifluoro-1-phenyl-	174	C8H5F3O	000434-45-7	47
5	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142190.D
Acq On : 31 Mar 2025 19:56
Operator : RC/JU
Sample : Q1664-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

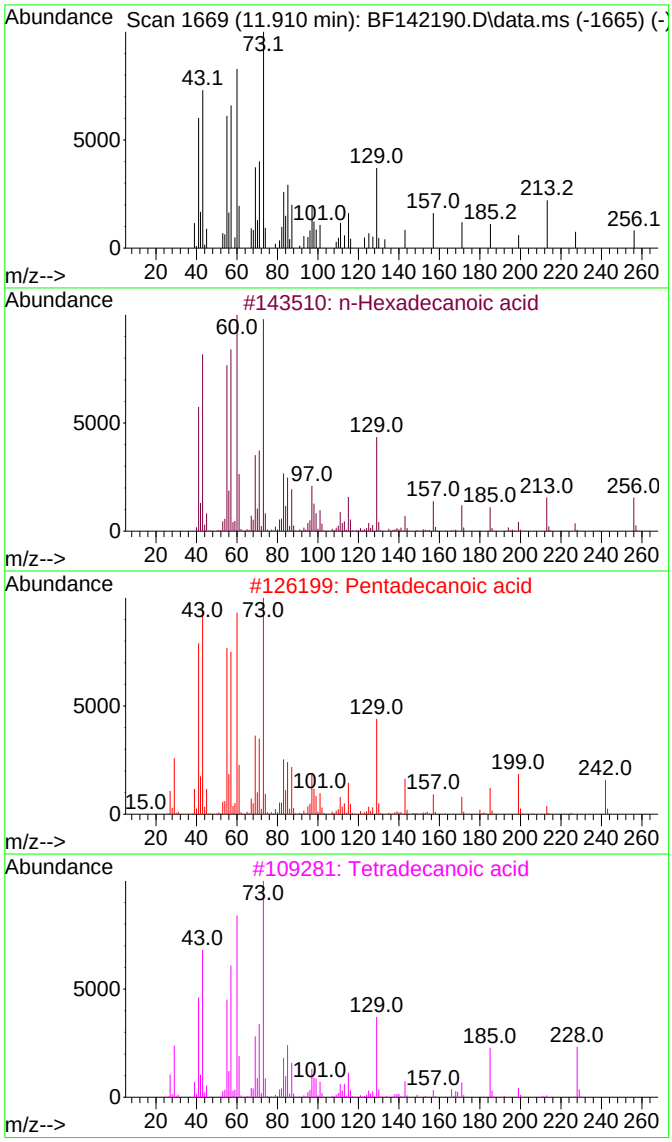
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

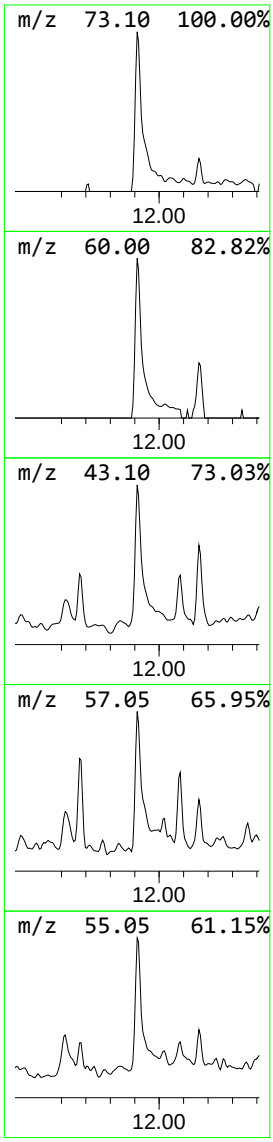
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	2.04 ng	88300	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	Tridecanoic acid	214	C13H26O2	000638-53-9	80
5	Oxalic acid, dodecyl propyl ester	300	C17H32O4	1000309-26-5	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142190.D
Acq On : 31 Mar 2025 19:56
Operator : RC/JU
Sample : Q1664-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

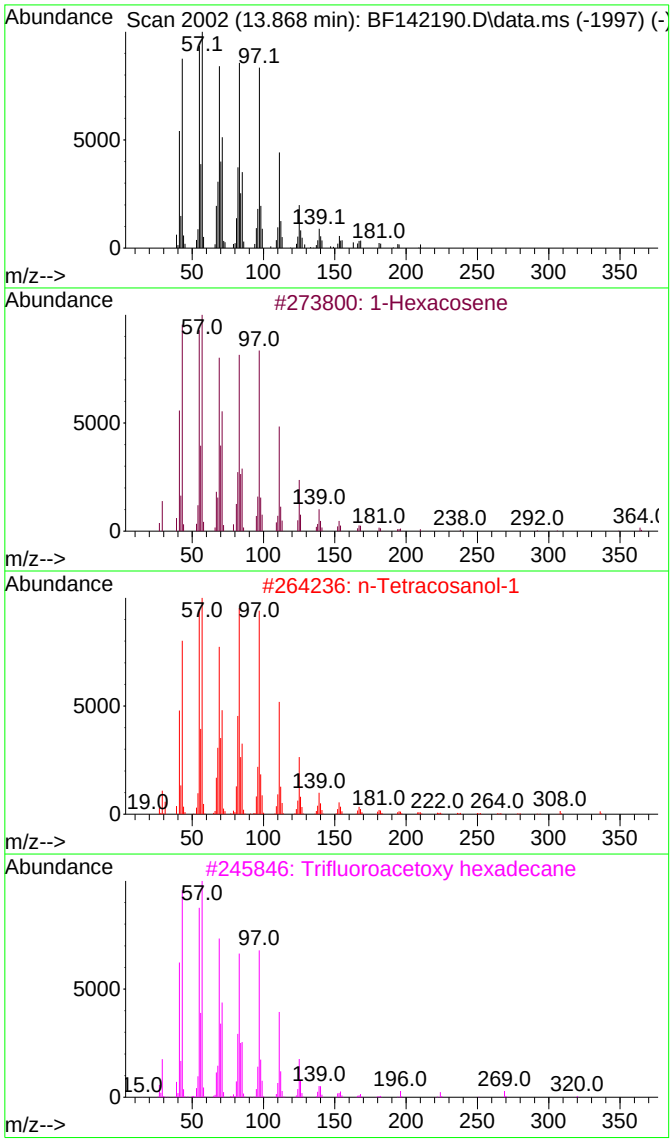
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

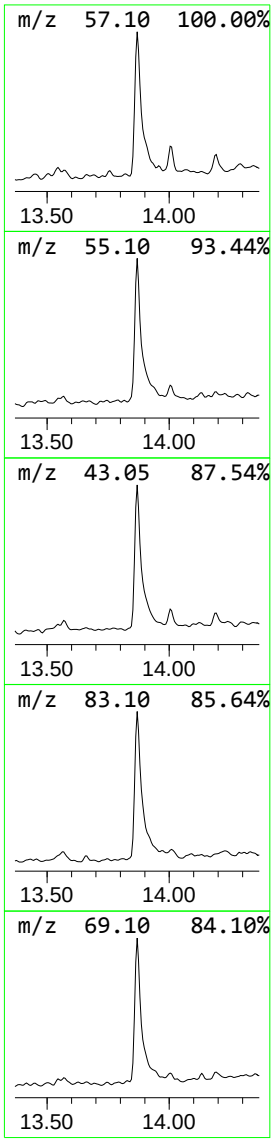
****

Peak Number 5 1-Hexacosene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.868	6.72 ng	234490	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	95
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
4	1-Heneicosanol	312	C21H44O	015594-90-8	95
5	Behenic alcohol	326	C22H46O	000661-19-8	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142190.D
Acq On : 31 Mar 2025 19:56
Operator : RC/JU
Sample : Q1664-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-007-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.146	50.2	ng	1779540	1	6.863	708722	20.0
2-Pentanone, 4-...	5.092	9.0	ng	318355	1	6.863	708722	20.0
Benzophenone	10.616	9.4	ng	454976	3	9.904	967418	20.0
n-Hexadecanoic ...	11.910	2.0	ng	88300	4	11.386	865854	20.0
1-Hexacosene	13.868	6.7	ng	234490	5	14.033	698128	20.0

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-21	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142187.D	1	03/28/25 09:40	03/31/25 18:27	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	350	ug/Kg
108-95-2	Phenol	23.5	U	23.5	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.8	U	25.8	180	ug/Kg
95-57-8	2-Chlorophenol	25.9	U	25.9	180	ug/Kg
95-48-7	2-Methylphenol	31.8	U	31.8	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39.9	U	39.9	180	ug/Kg
98-86-2	Acetophenone	31.4	U	31.4	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.7	U	43.7	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.4	U	50.4	85.0	ug/Kg
67-72-1	Hexachloroethane	18.7	U	18.7	180	ug/Kg
98-95-3	Nitrobenzene	19.5	U	19.5	180	ug/Kg
78-59-1	Isophorone	34.9	UQ	34.9	180	ug/Kg
88-75-5	2-Nitrophenol	61.9	U	61.9	180	ug/Kg
105-67-9	2,4-Dimethylphenol	68.9	U	68.9	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.7	U	32.7	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.1	U	30.1	180	ug/Kg
91-20-3	Naphthalene	24.1	U	24.1	180	ug/Kg
106-47-8	4-Chloroaniline	37.6	U	37.6	180	ug/Kg
87-68-3	Hexachlorobutadiene	26.9	UQ	26.9	180	ug/Kg
105-60-2	Caprolactam	55.4	U	55.4	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.5	U	30.5	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.2	U	27.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	UQ	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.0	U	21.0	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	30.9	UQ	30.9	180	ug/Kg
92-52-4	1,1-Biphenyl	23.2	U	23.2	180	ug/Kg
91-58-7	2-Chloronaphthalene	23.9	UQ	23.9	180	ug/Kg
88-74-4	2-Nitroaniline	51.1	U	51.1	180	ug/Kg
131-11-3	Dimethylphthalate	28.8	UQ	28.8	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-21	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142187.D	1	03/28/25 09:40	03/31/25 18:27	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.7	UQ	30.7	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.7	UQ	35.7	180	ug/Kg
99-09-2	3-Nitroaniline	48.9	U	48.9	180	ug/Kg
83-32-9	Acenaphthene	22.6	U	22.6	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.1	U	24.1	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.3	UQ	53.3	180	ug/Kg
84-66-2	Diethylphthalate	30.1	U	30.1	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.4	UQ	28.4	180	ug/Kg
86-73-7	Fluorene	26.9	U	26.9	180	ug/Kg
100-01-6	4-Nitroaniline	68.3	U	68.3	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	UQ	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.0	UQ	35.0	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.6	U	29.6	180	ug/Kg
118-74-1	Hexachlorobenzene	26.9	UQ	26.9	180	ug/Kg
1912-24-9	Atrazine	36.1	U	36.1	180	ug/Kg
87-86-5	Pentachlorophenol	54.5	UQ	54.5	350	ug/Kg
85-01-8	Phenanthrene	22.2	U	22.2	180	ug/Kg
120-12-7	Anthracene	35.4	UQ	35.4	180	ug/Kg
86-74-8	Carbazole	33.2	UQ	33.2	180	ug/Kg
84-74-2	Di-n-butylphthalate	50.9	U	50.9	180	ug/Kg
206-44-0	Fluoranthene	31.9	U	31.9	180	ug/Kg
129-00-0	Pyrene	38.3	UQ	38.3	180	ug/Kg
85-68-7	Butylbenzylphthalate	75.9	U	75.9	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.0	UQ	39.0	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.5	UQ	24.5	180	ug/Kg
218-01-9	Chrysene	21.2	UQ	21.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.9	U	62.9	180	ug/Kg
117-84-0	Di-n-octyl phthalate	92.3	U	92.3	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.2	U	20.2	180	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-21	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142187.D	1	03/28/25 09:40	03/31/25 18:27	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.8	U	23.8	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.4	UQ	31.4	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	30.9	U	30.9	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.1	U	29.1	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.3	U	27.3	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.2	U	27.2	180	ug/Kg
123-91-1	1,4-Dioxane	48.1	U	48.1	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.1	U	29.1	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	101		18 - 112	67%	SPK: 150
13127-88-3	Phenol-d6	99.1		15 - 107	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.0		18 - 107	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.3		20 - 109	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.3		10 - 116	60%	SPK: 150
1718-51-0	Terphenyl-d14	57.9		10 - 105	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	108000	6.863			
1146-65-2	Naphthalene-d8	412000	8.145			
15067-26-2	Acenaphthene-d10	217000	9.904			
1517-22-2	Phenanthrene-d10	330000	11.392			
1719-03-5	Chrysene-d12	261000	14.033			
1520-96-3	Perylene-d12	317000	15.51			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1300	JB		2.13	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB		5.08	ug/Kg
000119-61-9	Benzophenone	270	J		10.6	ug/Kg
959085-66-6	Heptadecyl heptafluorobutyrate	210	J		13.9	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-008-01	SDG No.:	Q1664
Lab Sample ID:	Q1664-21	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF142187.D	1	03/28/25 09:40	03/31/25 18:27	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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_F\Data\BF033125\
Data File : BF142187.D
Acq On : 31 Mar 2025 18:27
Operator : RC/JU
Sample : Q1664-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

Quant Time: Mar 31 19:32:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	108249	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	412298	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	217215	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	330228m	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	261109	20.000	ng	0.00
86) Perylene-d12	15.510	264	317304	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	653727	100.790	ng	-0.01
7) Phenol-d6	6.487	99	818000	99.054	ng	-0.02
23) Nitrobenzene-d5	7.428	82	527331	71.977	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	246176	89.335	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1119022	78.347	ng	-0.02
79) Terphenyl-d14	12.974	244	1023385	57.946	ng	-0.01
Target Compounds						Qvalue

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

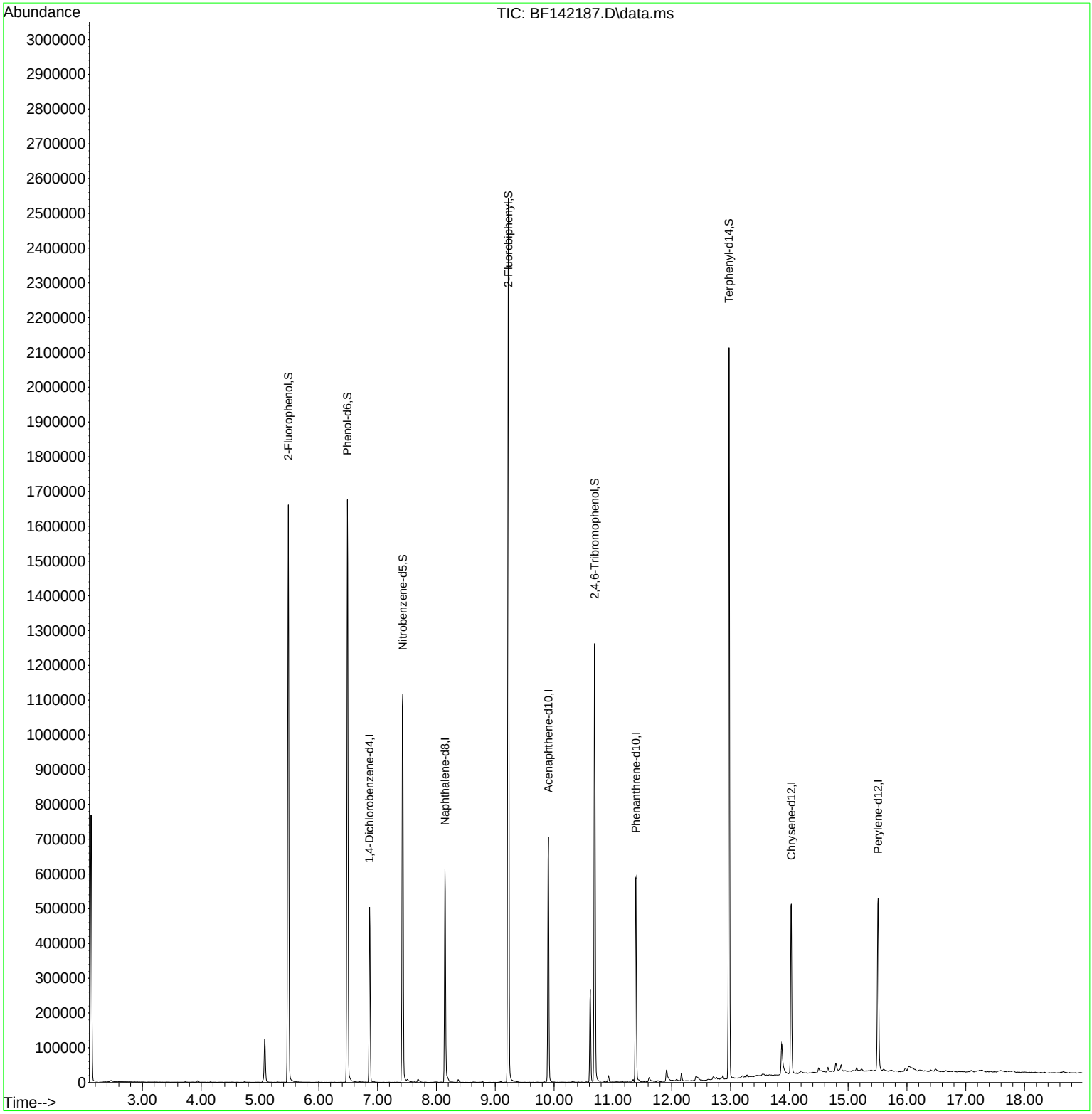
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142187.D
Acq On : 31 Mar 2025 18:27
Operator : RC/JU
Sample : Q1664-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

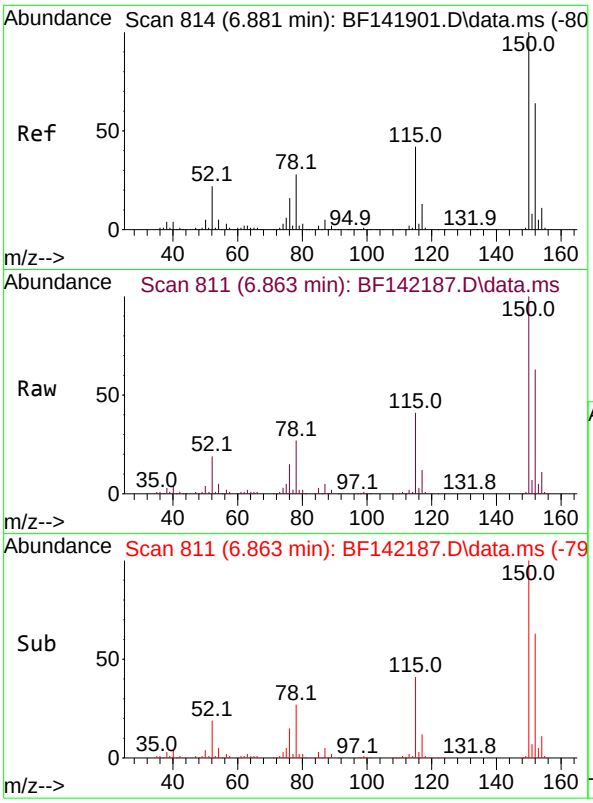
Quant Time: Mar 31 19:32:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

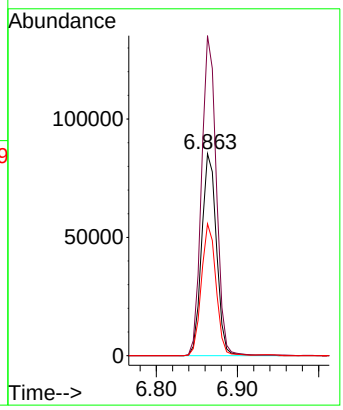




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion:152 Resp: 10824

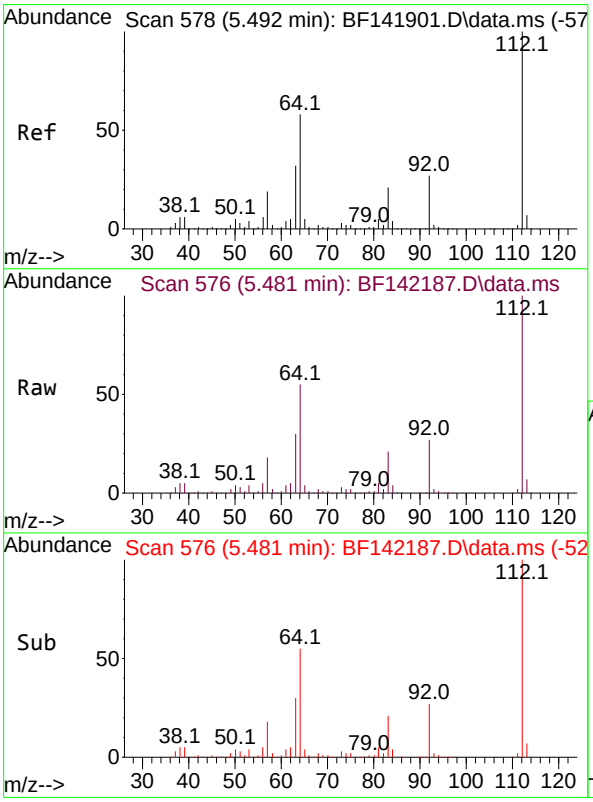
Ion	Ratio	Lower	Upper
152	100		
150	158.5	127.4	191.2
115	65.3	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Manual Integrations
APPROVED

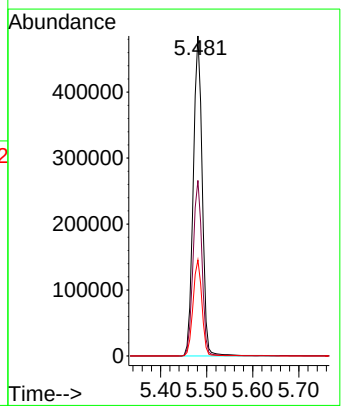
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

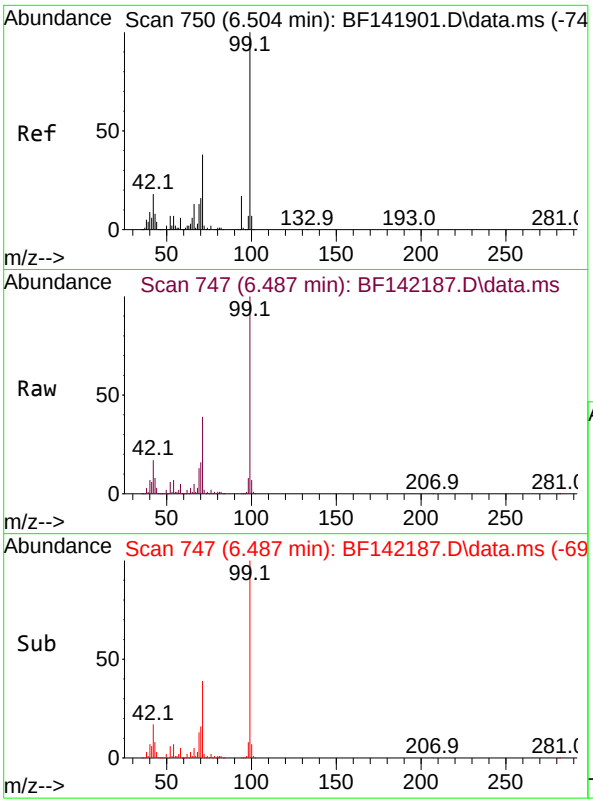


#5
2-Fluorophenol
Concen: 100.790 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion:112 Resp: 653727

Ion	Ratio	Lower	Upper
112	100		
64	54.8	46.5	69.7
63	30.0	25.4	38.2

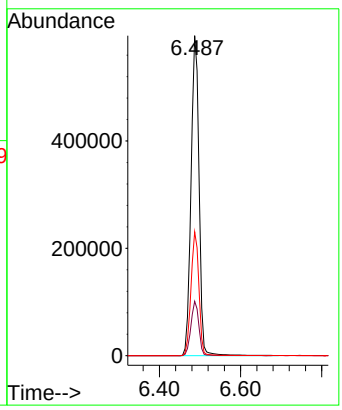




#7
Phenol-d6
Concen: 99.054 ng
RT: 6.487 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion: 99 Resp: 81800

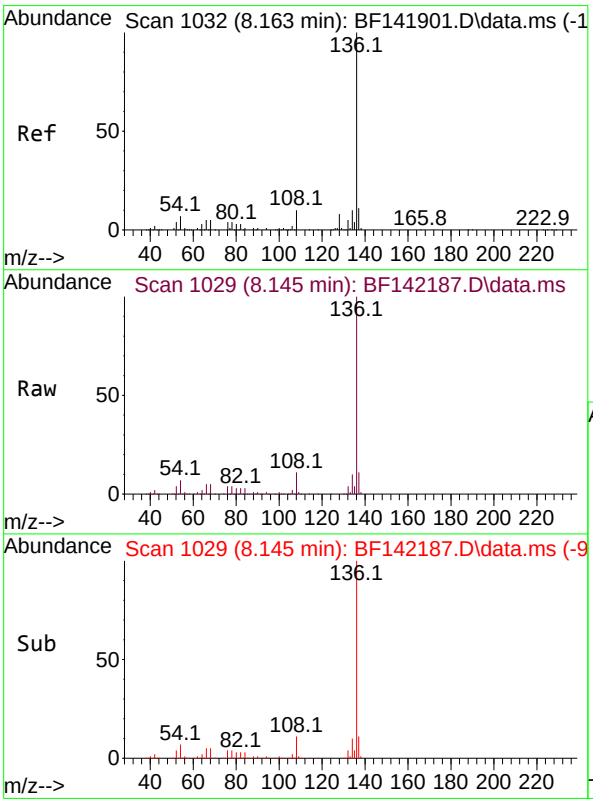
Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.6	21.8
71	38.7	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Manual Integrations
APPROVED

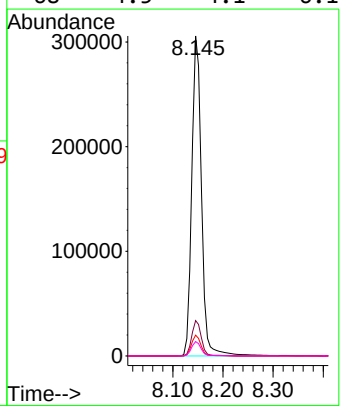
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

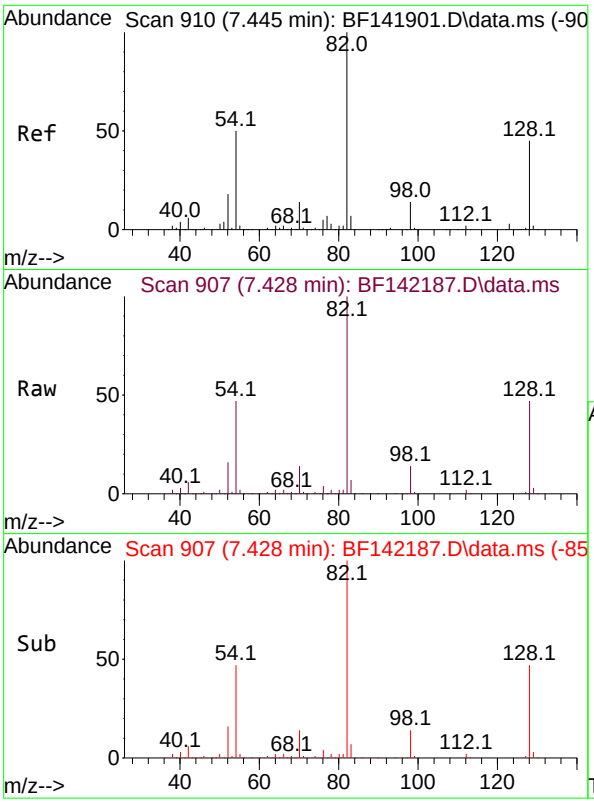


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion:136 Resp: 412298

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.5	5.8	8.8
68	4.5	4.1	6.1





#23
Nitrobenzene-d5
Concen: 71.977 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

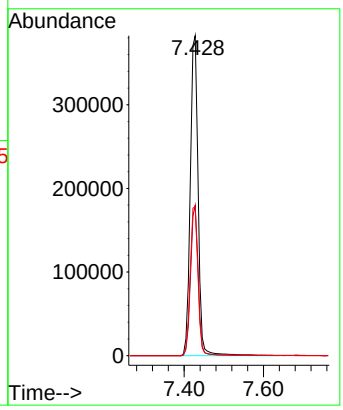
Tgt Ion: 82 Resp: 52733

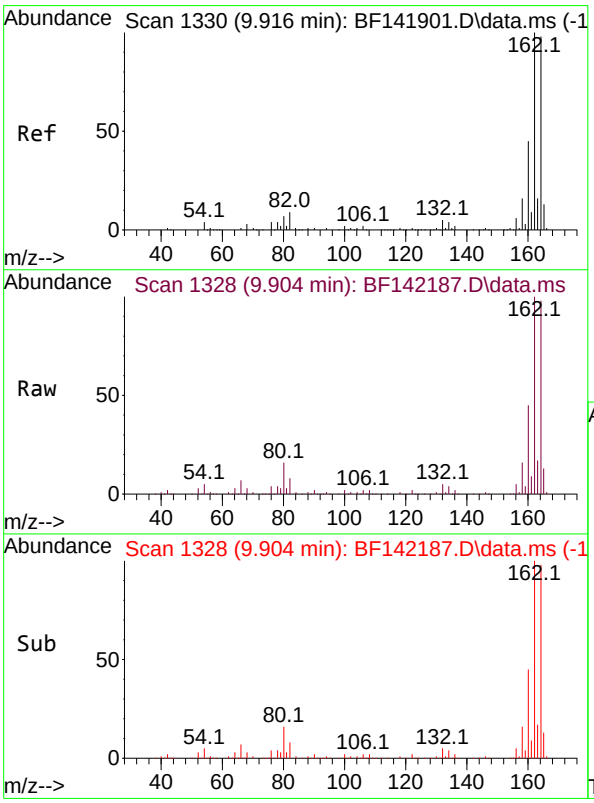
Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.0	54.0
54	46.5	39.6	59.4

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

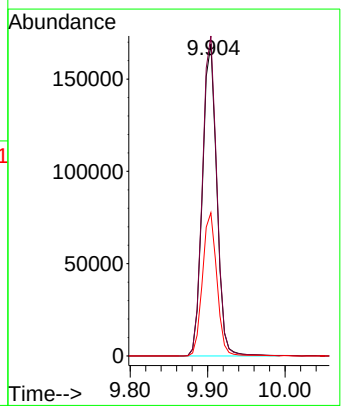


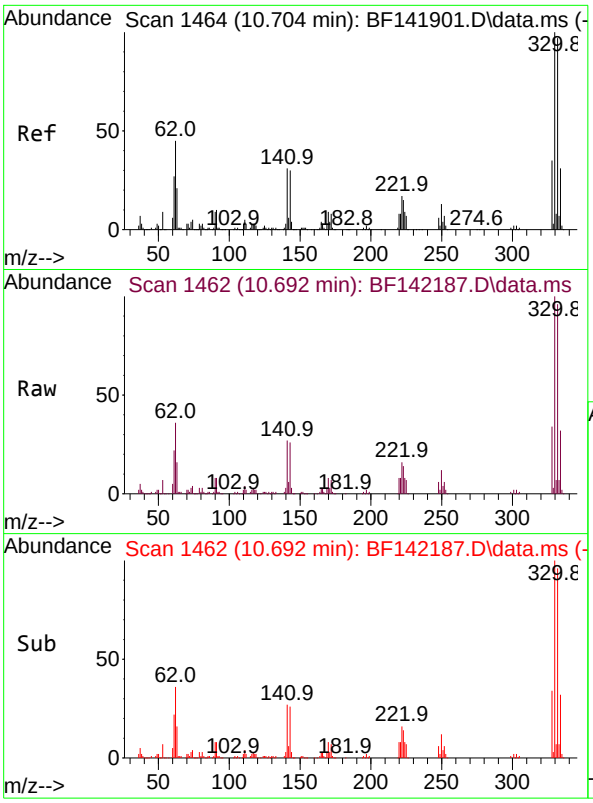


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion:164 Resp: 217215

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.8	122.6
160	45.9	36.7	55.1

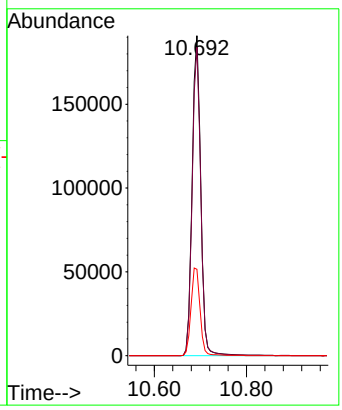




#42
2,4,6-Tribromophenol
Concen: 89.335 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion:330 Resp: 24617

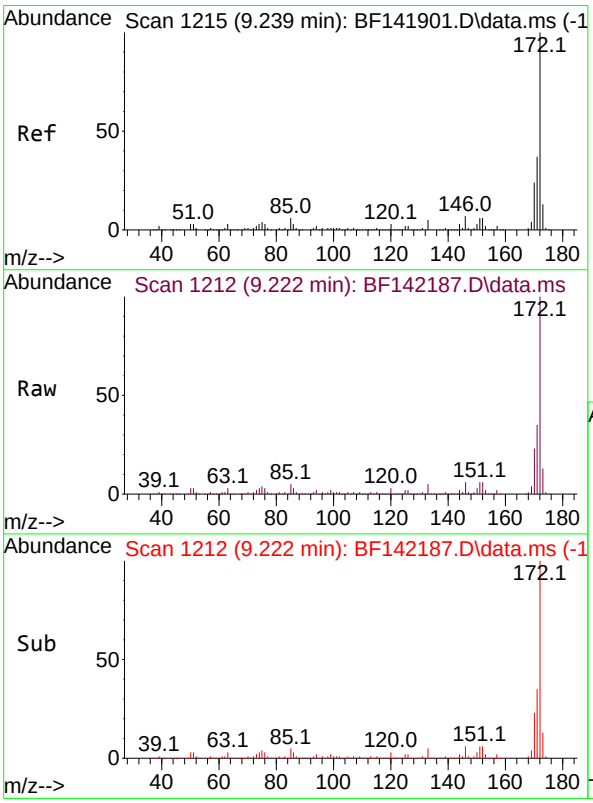
Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.6	116.4
141	28.9	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Manual Integrations
APPROVED

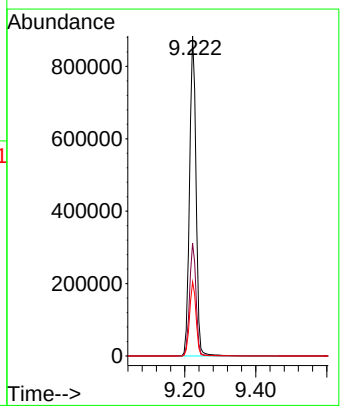
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

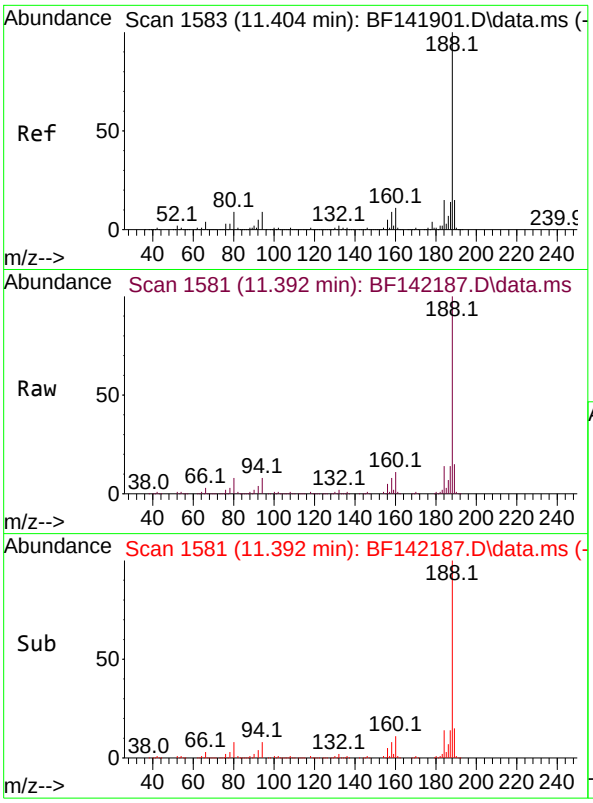


#45
2-Fluorobiphenyl
Concen: 78.347 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion:172 Resp: 1119022

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.3	43.9
170	23.2	19.4	29.0

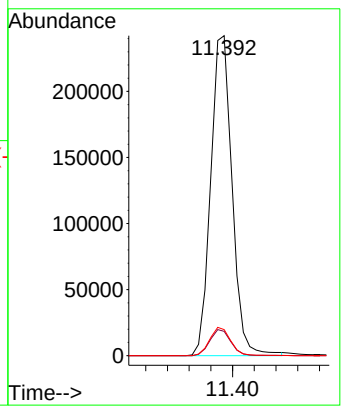




#64
Phenanthrene-d10
Concen: 20.000 ng m
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion:188 Resp: 33022

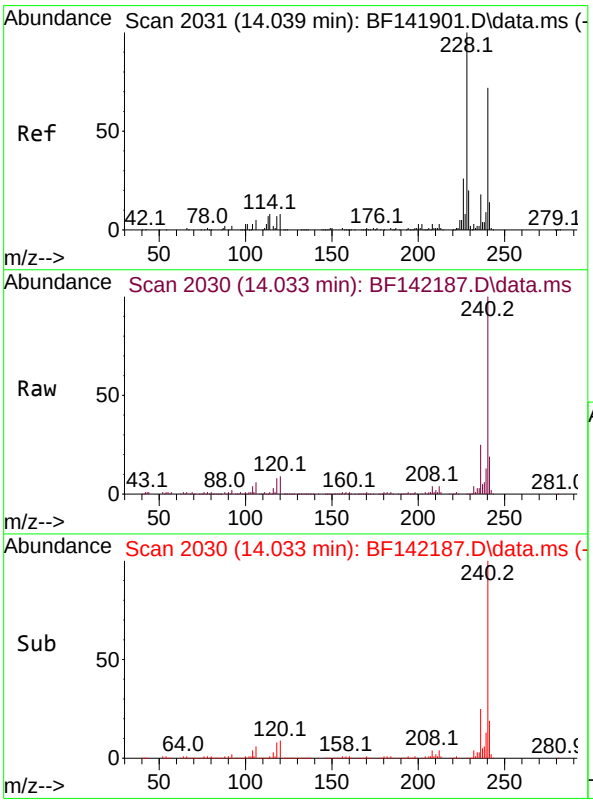
Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.8	10.2
80	8.2	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Manual Integrations
APPROVED

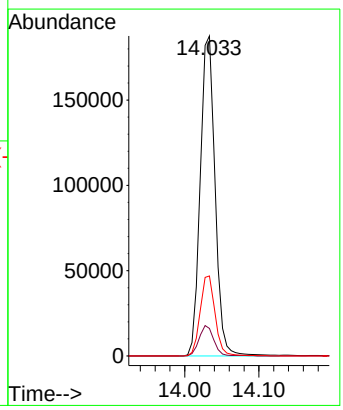
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

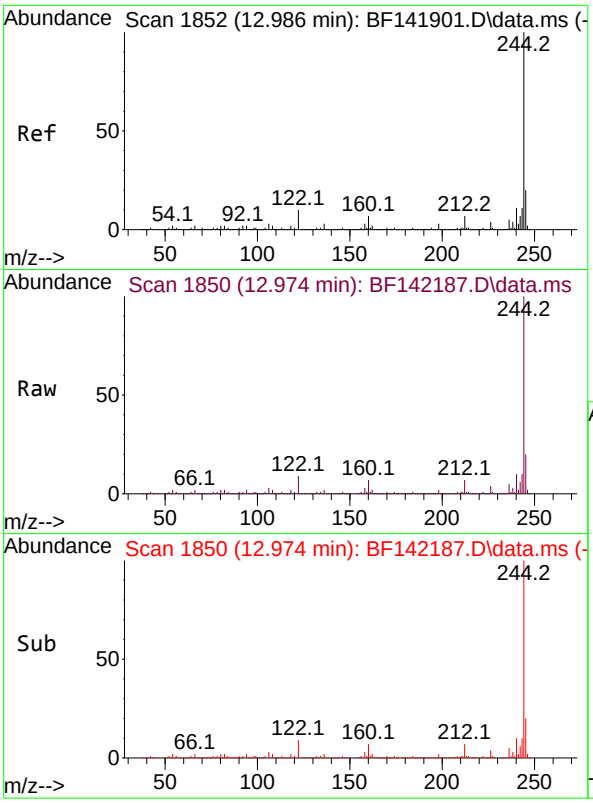


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion:240 Resp: 261109

Ion	Ratio	Lower	Upper
240	100		
120	8.6	8.4	12.6
236	25.0	20.5	30.7

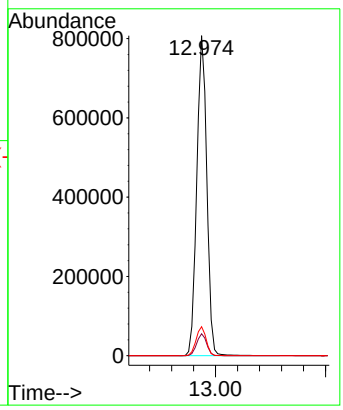




#79
Terphenyl-d14
Concen: 57.946 ng
RT: 12.974 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion:244 Resp: 102338

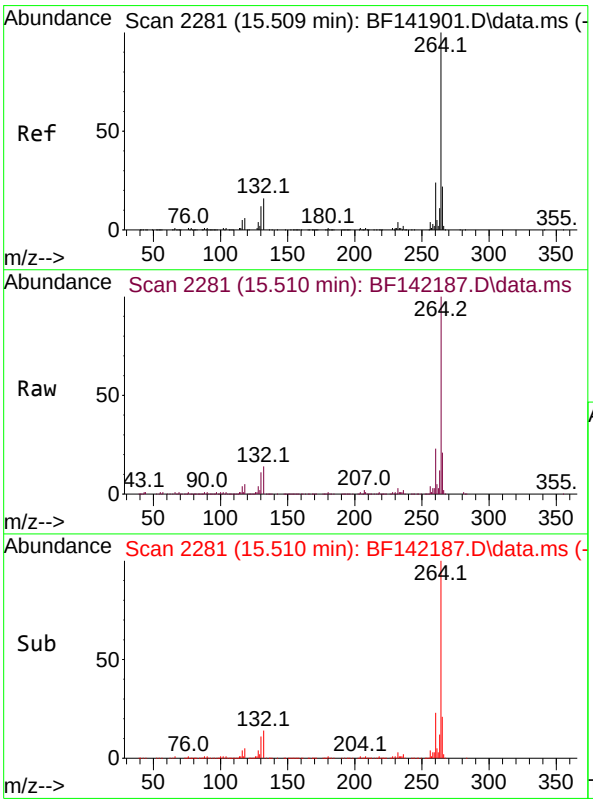
Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	9.0	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Manual Integrations
APPROVED

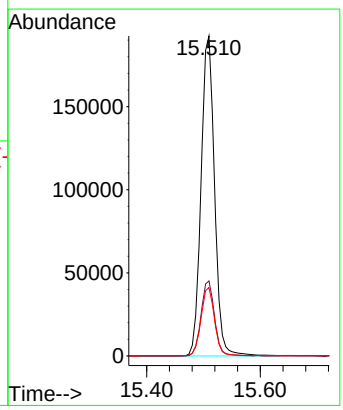
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142187.D
Acq: 31 Mar 2025 18:27

Tgt Ion:264 Resp: 317304

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	21.4	17.5	26.3



Sample Results: **BF142187.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142187.D
Acq On : 31 Mar 2025 18:27
Operator : RC/JU
Sample : Q1664-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142187.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	6	23	rVB	765165	1108640	34.87%	5.477%
2	5.081	498	508	521	rBV	125251	201671	6.34%	0.996%
3	5.481	570	576	592	rBV	1661185	2220339	69.83%	10.970%
4	6.487	741	747	769	rBV	1675611	2302805	72.42%	11.377%
5	6.863	806	811	819	rBV	503561	627860	19.75%	3.102%
6	7.428	901	907	917	rBV	1116822	1509316	47.47%	7.457%
7	8.145	1024	1029	1047	rBV	612599	824352	25.92%	4.073%
8	9.222	1206	1212	1223	rBV	2541015	3179765	100.00%	15.710%
9	9.904	1322	1328	1343	rVB	705158	906431	28.51%	4.478%
10	10.616	1444	1449	1456	rBV	267985	344567	10.84%	1.702%
11	10.692	1456	1462	1475	rVV	1260400	1674396	52.66%	8.273%
12	11.392	1576	1581	1596	rVB	587422	806059	25.35%	3.982%
13	11.916	1665	1670	1683	rBV3	32795	75487	2.37%	0.373%
14	12.416	1750	1755	1768	rBV5	13155	41031	1.29%	0.203%
15	12.974	1844	1850	1861	rBV	2103366	2663545	83.77%	13.160%
16	13.869	1997	2002	2022	rBV	87983	203751	6.41%	1.007%
17	14.033	2024	2030	2040	rVB	487023	683859	21.51%	3.379%
18	14.792	2154	2159	2167	rBV3	23030	47988	1.51%	0.237%
19	15.510	2274	2281	2292	rBV	495897	818441	25.74%	4.044%

Sum of corrected areas: 20240303

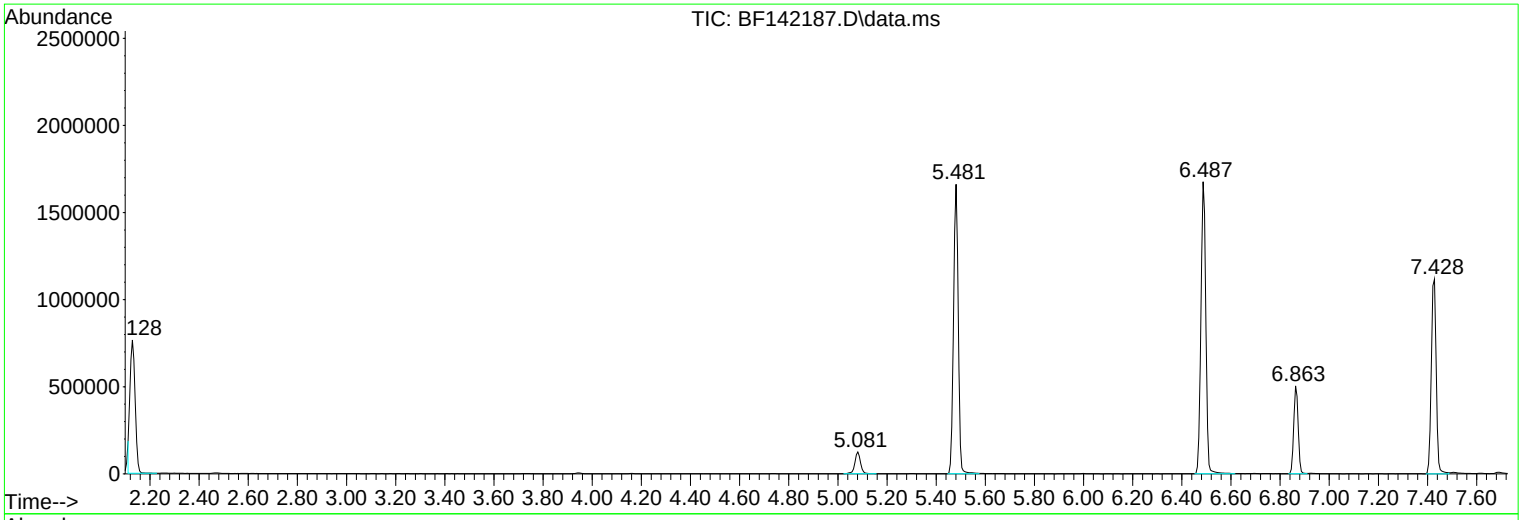
Sample Results: **BF142187.D**

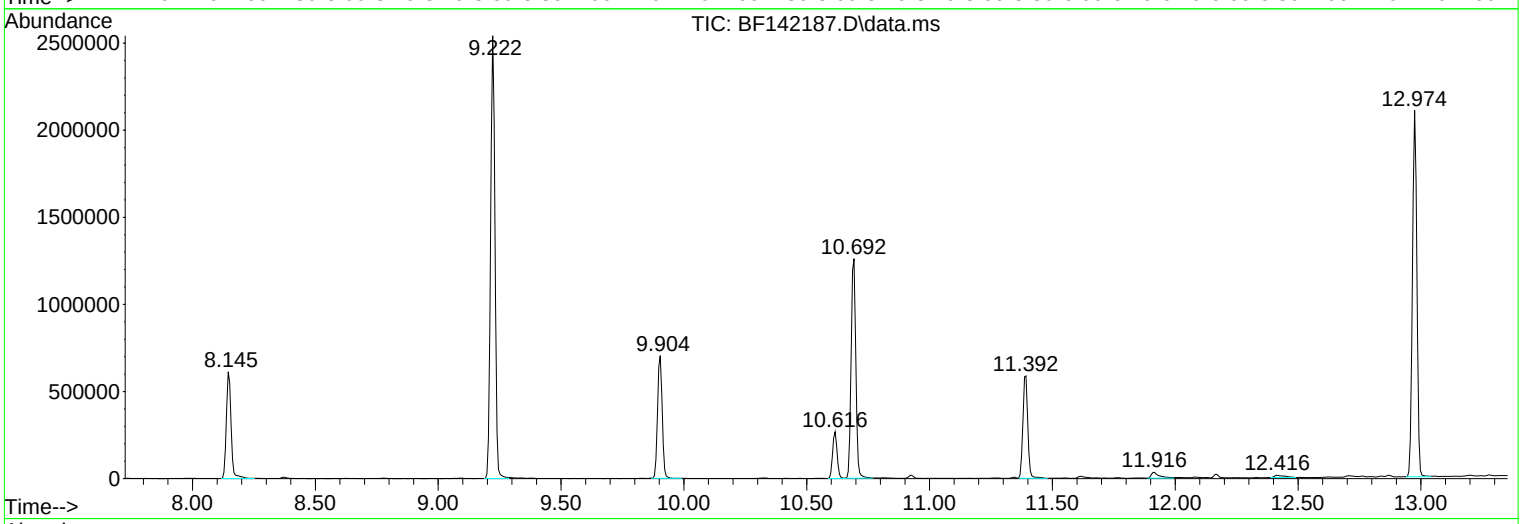
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142187.D
Acq On : 31 Mar 2025 18:27
Operator : RC/JU
Sample : Q1664-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

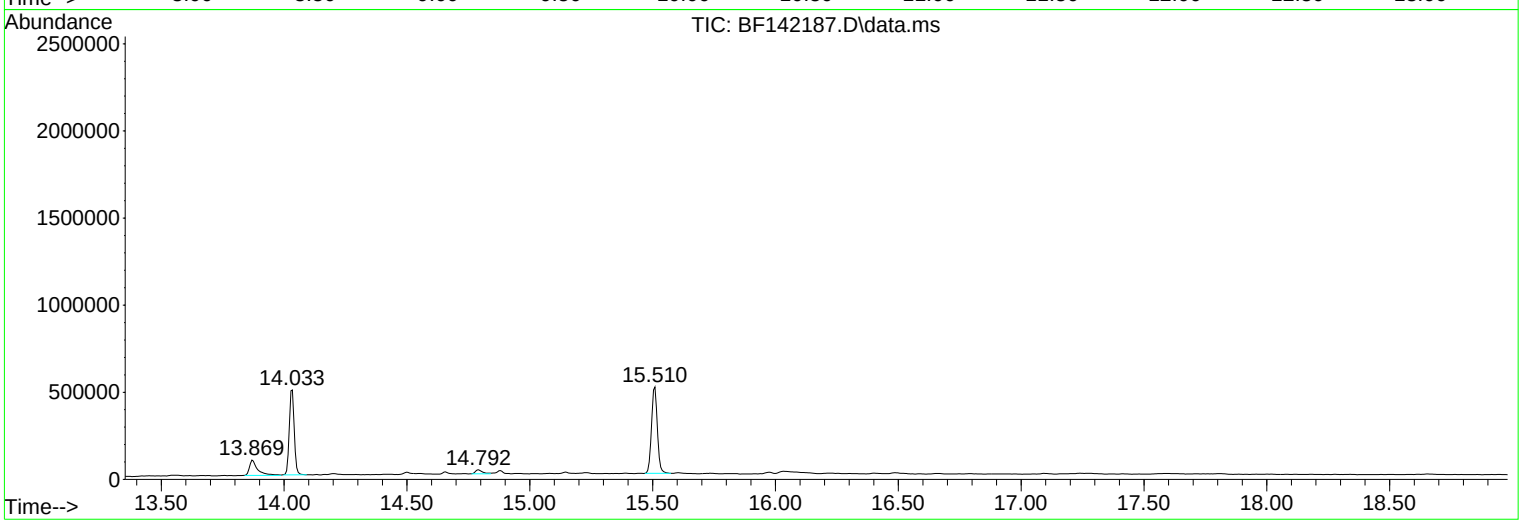
Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142187.D
Acq On : 31 Mar 2025 18:27
Operator : RC/JU
Sample : Q1664-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

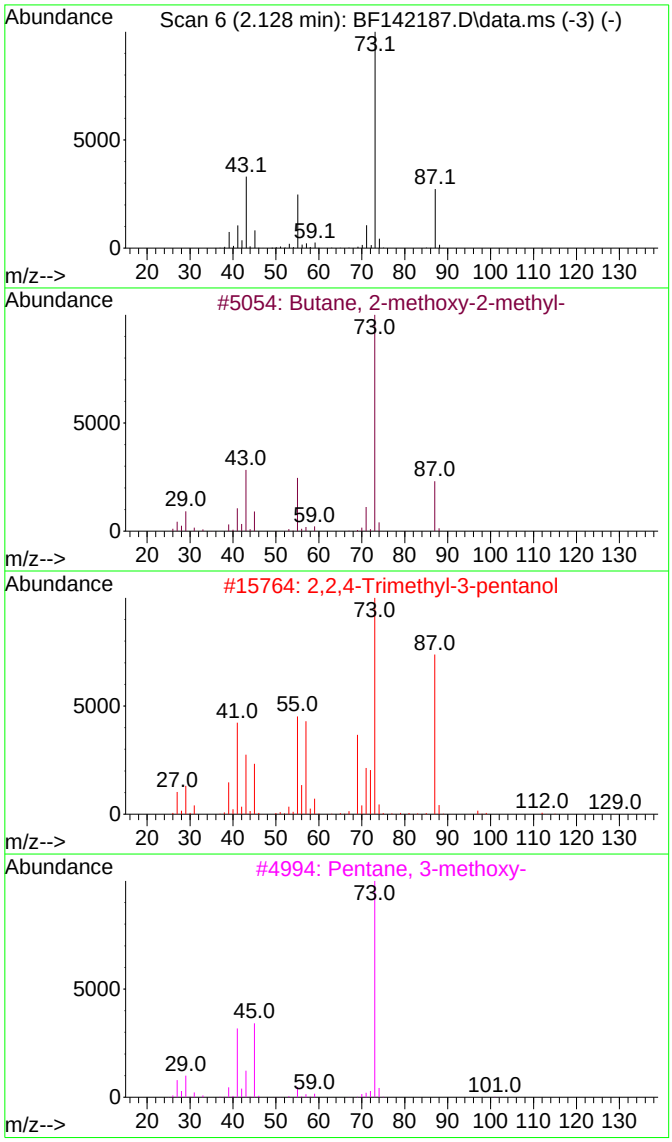
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

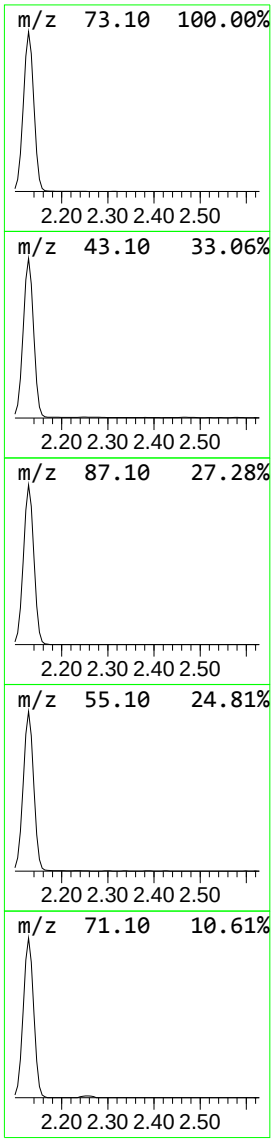
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	35.31 ng	1108640	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142187.D
Acq On : 31 Mar 2025 18:27
Operator : RC/JU
Sample : Q1664-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

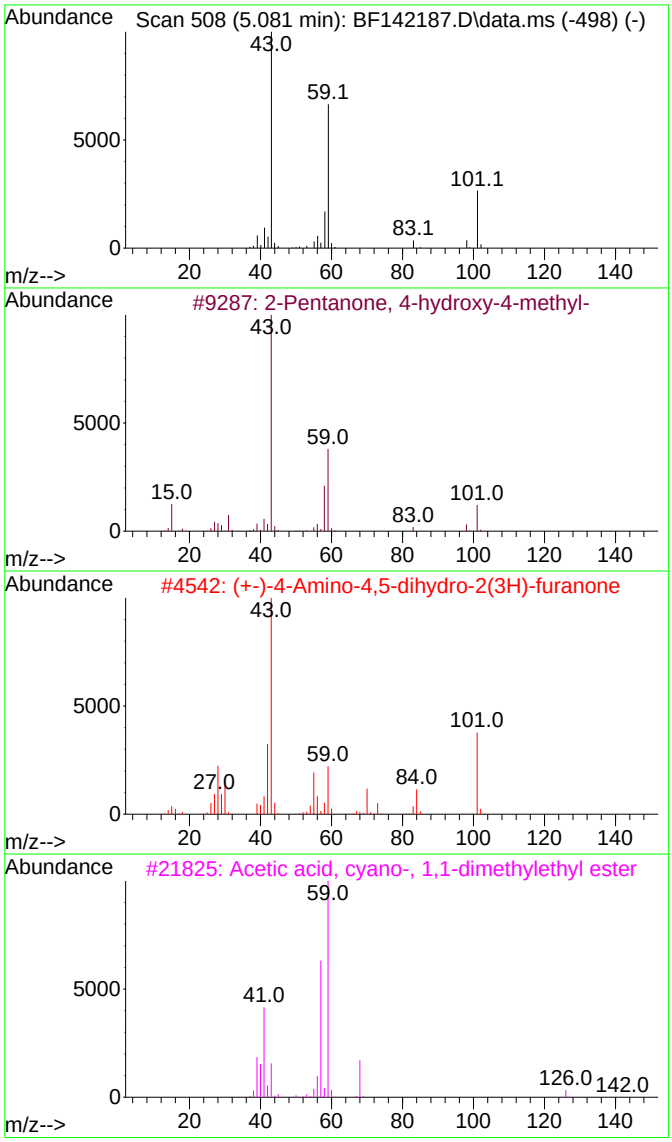
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

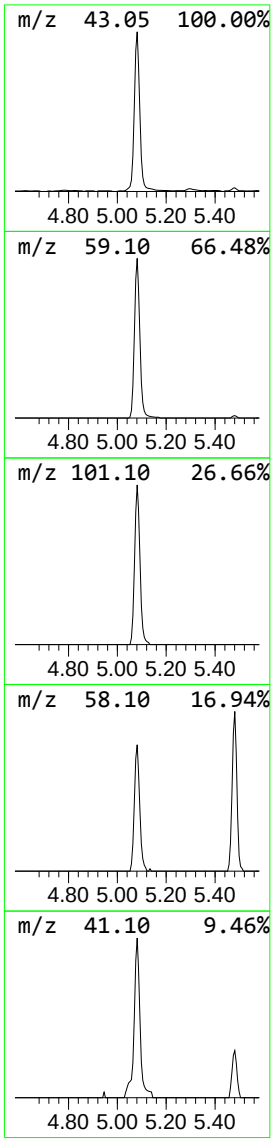
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.081	6.42 ng	201671	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	47
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142187.D
Acq On : 31 Mar 2025 18:27
Operator : RC/JU
Sample : Q1664-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

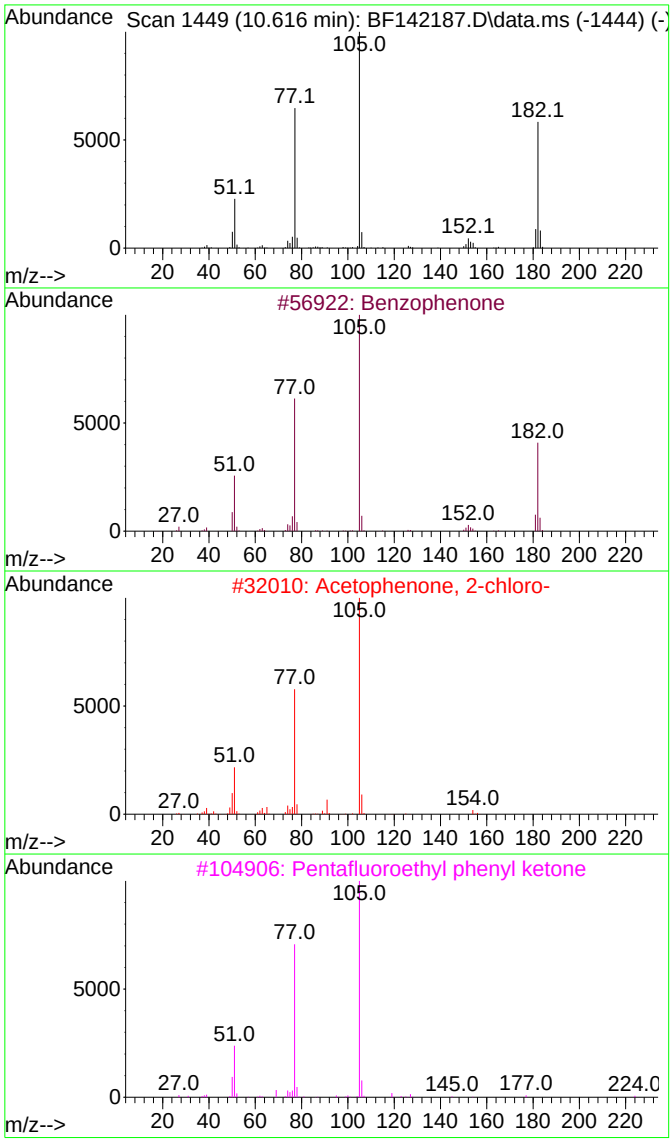
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

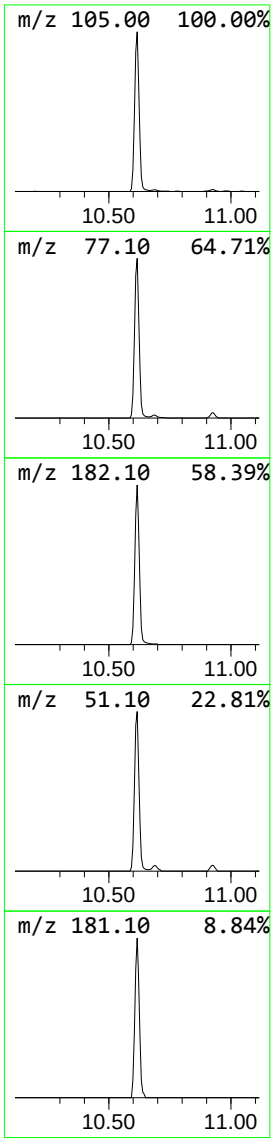
****

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	7.60 ng	344567	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
4	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142187.D
Acq On : 31 Mar 2025 18:27
Operator : RC/JU
Sample : Q1664-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

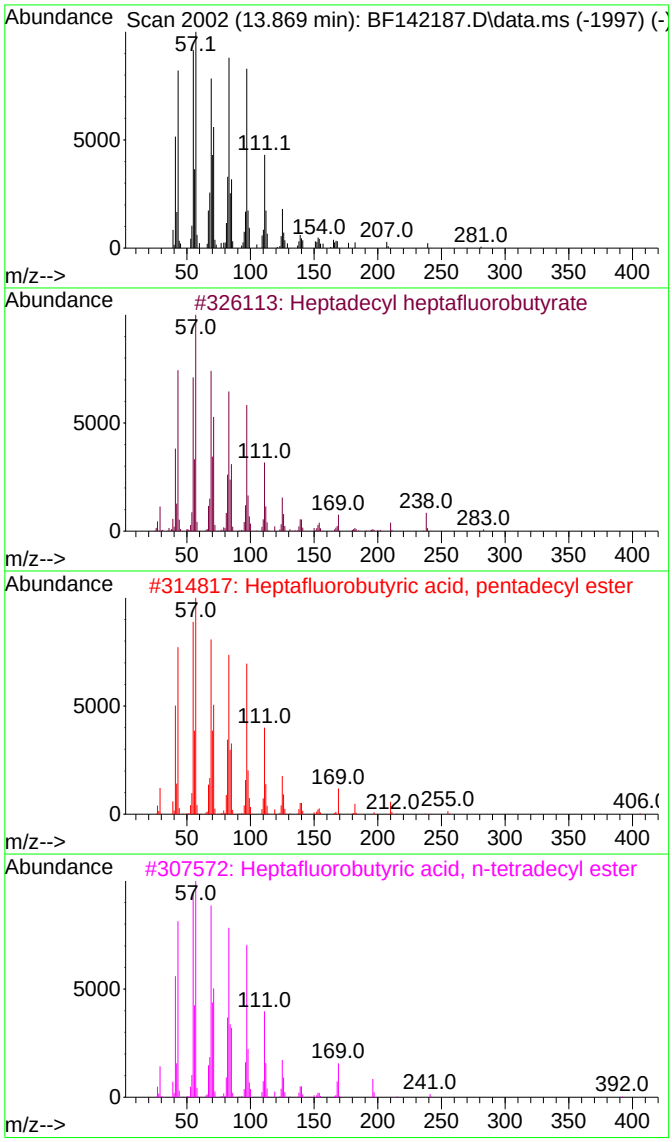
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

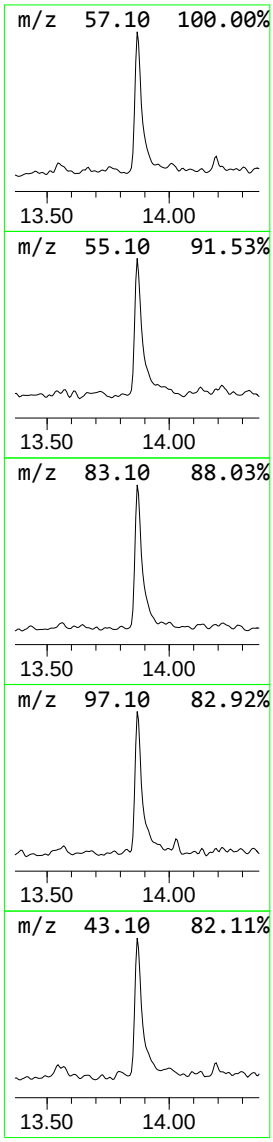
****

Peak Number 4 Heptadecyl heptafluorobutyrate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.868	5.96 ng	203751	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
3	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	93
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
5	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142187.D
Acq On : 31 Mar 2025 18:27
Operator : RC/JU
Sample : Q1664-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-BBDGA-008-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.128	35.3	ng	1108640	1	6.863	627860	20.0
2-Pentanone, 4-...	5.081	6.4	ng	201671	1	6.863	627860	20.0
Benzophenone	10.616	7.6	ng	344567	3	9.904	906431	20.0
Heptadecyl hept...	13.868	6.0	ng	203751	5	14.033	683859	20.0

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141897.D 5 =BF141898.D 10 =BF141899.D 20 =BF141900.D 40 =BF141901.D 50 =BF141905.D 60 =BF141903.D 80 =BF141904.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD									
2)		1,4-Dioxane		0.490	0.482	0.536	0.504	0.495	0.501	0.508	0.502	3.43
3)		Pyridine		1.217	1.204	1.334	1.221	1.203	1.209	1.233	1.232	3.77
4)		n-Nitrosodimet...		0.554	0.556	0.621	0.583	0.595	0.594	0.607	0.587	4.26
5)	S	2-Fluorophenol		1.267	1.243	1.298	1.148	1.162	1.146	1.124	1.198	5.79
6)		Aniline		1.599	1.602	1.640	1.465	1.443	1.435	1.351	1.505	7.20
7)	S	Phenol-d6		1.623	1.593	1.644	1.442	1.483	1.471	1.424	1.526	5.99
8)		2-Chlorophenol		1.421	1.354	1.434	1.259	1.295	1.284	1.256	1.329	5.63
9)		Benzaldehyde			1.021	0.975	0.778	0.778	0.716		0.853	15.85
10)	C	Phenol		1.708	1.675	1.747	1.536	1.542	1.532	1.496	1.605	6.30
11)		bis(2-Chloroet...		1.287	1.246	1.281	1.144	1.175	1.176	1.127	1.205	5.43
12)		1,3-Dichlorobe...		1.475	1.489	1.538	1.373	1.401	1.401	1.367	1.435	4.59
13)	C	1,4-Dichlorobe...		1.514	1.503	1.548	1.393	1.408	1.420	1.376	1.452	4.71
14)		1,2-Dichlorobe...		1.461	1.417	1.460	1.303	1.315	1.343	1.273	1.367	5.69
15)		Benzyl Alcohol		1.236	1.252	1.322	1.185	1.214	1.246	1.180	1.233	3.91
16)		2,2'-oxybis(1-...		1.591	1.525	1.534	1.363	1.387	1.472	1.313	1.455	7.07
17)		2-Methylphenol		1.080	1.050	1.122	1.008	1.038	1.079	1.021	1.057	3.73
18)		Hexachloroethane		0.545	0.551	0.576	0.517	0.540	0.560	0.522	0.544	3.76
19)	P	n-Nitroso-di-n...	1.020	1.024	1.000	1.043	0.913	0.940	0.991	0.912	0.980	5.29
20)		3+4-Methylphenols		1.449	1.394	1.470	1.294	1.311	1.334	1.223	1.354	6.55
21)	I	Naphthalene-d8	ISTD									
22)		Acetophenone		0.514	0.493	0.513	0.460	0.450	0.469	0.453	0.479	5.76
23)	S	Nitrobenzene-d5		0.345	0.356	0.379	0.348	0.344	0.363	0.353	0.355	3.47
24)		Nitrobenzene		0.347	0.351	0.375	0.346	0.343	0.359	0.352	0.353	3.07
25)		Isophorone		0.647	0.620	0.655	0.600	0.605	0.648	0.622	0.628	3.49
26)	C	2-Nitrophenol		0.150	0.159	0.182	0.175	0.179	0.188	0.181	0.173	7.88
27)		2,4-Dimethylph...		0.247	0.234	0.251	0.231	0.233	0.244	0.232	0.239	3.45
28)		bis(2-Chloroet...		0.411	0.406	0.416	0.372	0.377	0.397	0.378	0.394	4.63
29)	C	2,4-Dichloroph...		0.292	0.295	0.309	0.286	0.295	0.303	0.294	0.296	2.54
30)		1,2,4-Trichlor...		0.337	0.325	0.342	0.310	0.318	0.333	0.322	0.327	3.50
31)		Naphthalene		1.104	1.075	1.101	0.984	1.001	0.973	0.954	1.027	6.22
32)		Benzoic acid			0.149	0.191	0.208	0.228	0.242	0.241	0.210	17.07
33)		4-Chloroaniline		0.383	0.378	0.393	0.351	0.354	0.352	0.329	0.363	6.14
34)	C	Hexachlorobuta...		0.211	0.211	0.221	0.203	0.214	0.214	0.216	0.213	2.52
35)		Caprolactam		0.092	0.089	0.094	0.084	0.088	0.090	0.094	0.090	4.00
36)	C	4-Chloro-3-met...		0.334	0.331	0.349	0.318	0.329	0.334	0.320	0.331	3.13
37)		2-Methylnaphth...		0.746	0.709	0.733	0.653	0.655	0.667	0.645	0.687	6.09
38)		1-Methylnaphth...		0.717	0.691	0.721	0.623	0.619	0.647	0.620	0.663	6.95

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

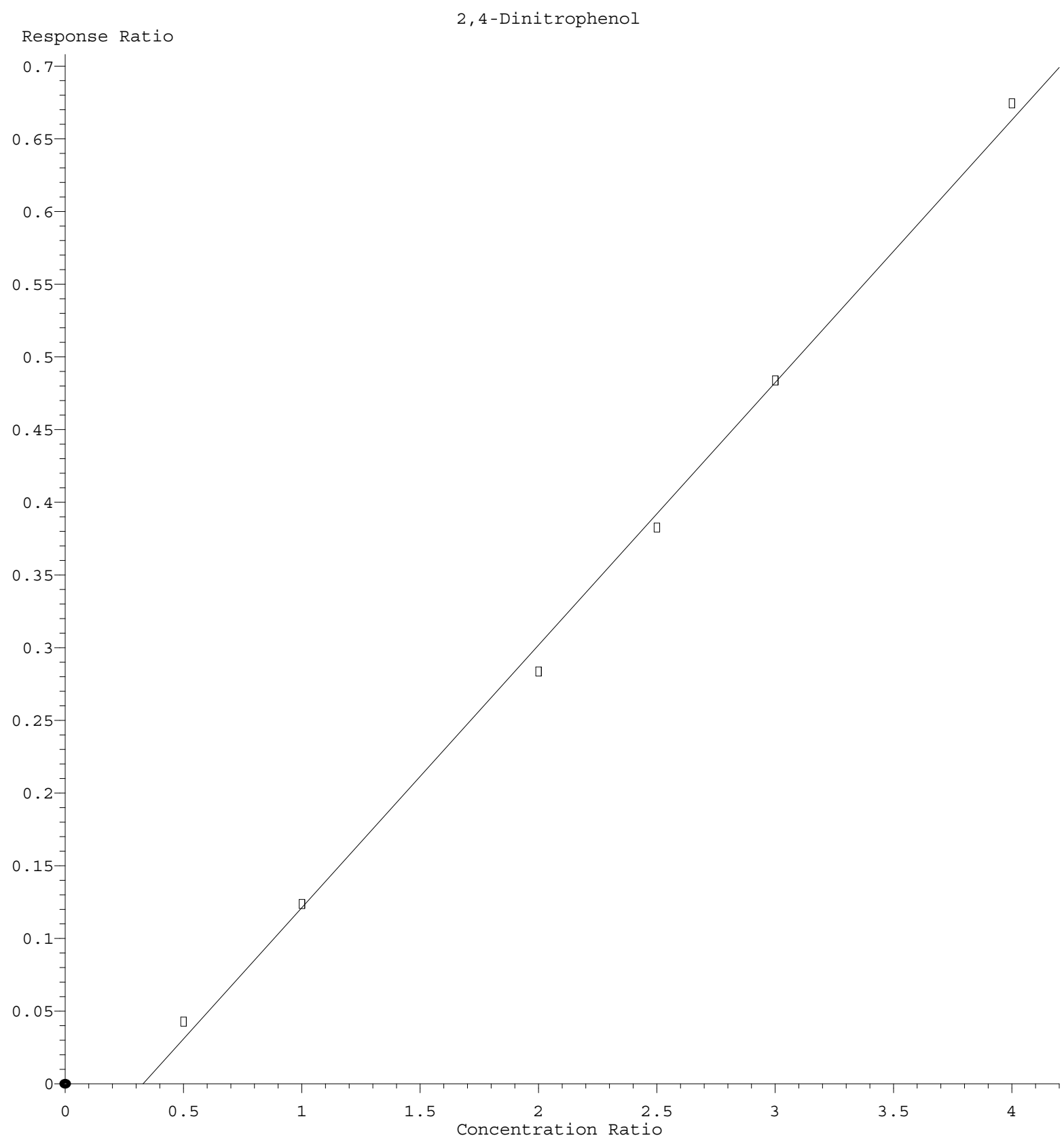
39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.615	0.604	0.626	0.592	0.597	0.606	0.623	0.609	2.11
41)	P	Hexachlorocycl...	0.204	0.221	0.249	0.250	0.237	0.252	0.256	0.238	8.03
42)	S	2,4,6-Tribromo...	0.234	0.236	0.259	0.250	0.259	0.265	0.272	0.254	5.67
43)	C	2,4,6-Trichlor...	0.388	0.389	0.402	0.398	0.400	0.401	0.409	0.398	1.91
44)		2,4,5-Trichlor...	0.396	0.391	0.422	0.389	0.400	0.415	0.407	0.403	3.05
45)	S	2-Fluorobiphenyl	1.430	1.379	1.379	1.254	1.272	1.246	1.246	1.315	5.95
46)		1,1'-Biphenyl	1.636	1.573	1.591	1.454	1.502	1.431	1.450	1.520	5.29
47)		2-Chloronaphth...	1.197	1.141	1.181	1.091	1.129	1.090	1.100	1.133	3.82
48)		2-Nitroaniline	0.296	0.314	0.346	0.322	0.356	0.332	0.330	0.328	6.08
49)		Acenaphthylene	1.765	1.740	1.778	1.635	1.664	1.595	1.589	1.681	4.74
50)		Dimethylphthalate	1.481	1.414	1.469	1.329	1.425	1.345	1.341	1.401	4.47
51)		2,6-Dinitrotol...	0.277	0.279	0.305	0.285	0.307	0.296	0.292	0.292	4.11
52)	C	Acenaphthene	1.236	1.195	1.231	1.146	1.144	1.165	1.152	1.181	3.37
53)		3-Nitroaniline	0.291	0.295	0.316	0.293	0.283	0.301	0.291	0.296	3.61
54)	P	2,4-Dinitrophenol		0.085	0.124	0.142	0.153	0.161	0.169	0.139	22.02
55)		Dibenzofuran	1.849	1.787	1.791	1.614	1.607	1.596	1.570	1.688	6.87
56)	P	4-Nitrophenol	0.192	0.216	0.234	0.230	0.229	0.230	0.230	0.223	6.60
57)		2,4-Dinitrotol...	0.365	0.382	0.402	0.375	0.383	0.383	0.376	0.381	2.95
58)		Fluorene	1.443	1.361	1.381	1.229	1.243	1.234	1.220	1.302	7.01
59)		2,3,4,6-Tetrac...	0.355	0.365	0.390	0.359	0.364	0.366	0.369	0.367	3.05
60)		Diethylphthalate	1.475	1.471	1.497	1.336	1.357	1.338	1.302	1.397	5.80
61)		4-Chlorophenyl...	0.730	0.688	0.702	0.643	0.664	0.656	0.667	0.679	4.41
62)		4-Nitroaniline	0.284	0.288	0.304	0.288	0.287	0.286	0.278	0.288	2.73
63)		Azobenzene	1.392	1.363	1.404	1.245	1.261	1.226	1.197	1.298	6.57
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.083	0.111	0.121	0.130	0.133	0.137	0.119	16.61
66)	c	n-Nitrosodiphe...	0.675	0.651	0.671	0.620	0.638	0.638	0.637	0.647	3.03
67)		4-Bromophenyl-...	0.240	0.249	0.255	0.244	0.263	0.245	0.262	0.251	3.55
68)		Hexachlorobenzene	0.262	0.267	0.284	0.269	0.283	0.271	0.292	0.275	3.92
69)		Atrazine	0.216	0.213	0.193	0.164	0.206			0.198	10.72
70)	C	Pentachlorophenol	0.130	0.151	0.172	0.177	0.180	0.186	0.191	0.170	12.66
71)		Phenanthrene	1.155	1.151	1.138	1.038	1.026	1.032	1.023	1.080	5.90
72)		Anthracene	1.173	1.139	1.139	1.046	1.026	1.036	1.026	1.084	5.89
73)		Carbazole	0.996	0.994	0.985	0.908	0.903	0.892	0.864	0.935	5.91
74)		Di-n-butylphth...	1.320	1.321	1.319	1.177	1.238	1.175	1.132	1.240	6.50
75)	C	Fluoranthene	1.234	1.226	1.228	1.108	1.148	1.059	1.017	1.146	7.66
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.347	0.309	0.190	0.360	0.220	0.275	0.252	0.279	22.73
78)		Pyrene	1.695	1.651	1.727	1.611	1.877	1.823	1.726	1.730	5.38
79)	S	Terphenyl-d14	1.343	1.309	1.360	1.276	1.380	1.417	1.384	1.353	3.56
80)		Butylbenzylpht...	0.629	0.656	0.702	0.655	0.703	0.717	0.677	0.677	4.72
81)		Benzo(a)anthra...	1.370	1.304	1.334	1.273	1.294	1.317	1.294	1.312	2.41
82)		3,3'-Dichlorob...	0.370	0.389	0.380	0.372	0.365	0.394	0.384	0.379	2.78
83)		Chrysene	1.143	1.194	1.260	1.136	1.192	1.213	1.189	1.190	3.53
84)		Bis(2-ethylhex...	0.897	0.912	0.966	0.904	0.978	0.952	0.927	0.934	3.43
85)	c	Di-n-octyl pht...	1.145	1.219	1.338	1.265	1.376	1.390	1.361	1.299	7.10

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.097	1.142	1.308	1.287	1.322	1.472	1.429	1.294	10.60
88)		Benzo(b)fluora...	1.420	1.310	1.485	1.210	1.346	1.390	1.434	1.371	6.65
89)		Benzo(k)fluora...	1.162	1.268	1.197	1.205	1.129	1.210	1.041	1.173	6.16
90)	C	Benzo(a)pyrene	1.040	1.042	1.123	1.036	1.083	1.083	1.101	1.073	3.16
91)		Dibenzo(a,h)an...	0.910	0.953	1.073	1.068	1.095	1.195	1.178	1.067	9.91
92)		Benzo(g,h,i)pe...	0.912	0.949	1.061	1.065	1.064	1.167	1.167	1.055	9.24

(#) = Out of Range



Response = 1.805e-001 * Amt - 5.933e-002
Coef of Det (r^2) = 0.997436 Curve Fit: Linear
Method: C:\Chem\1\Methods\HPCHEM1\BNA F\Methods\8270-BF031025.M
Calibration Table Last Updated: Mon Mar 10 15:46:22 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141897.D
Acq On : 10 Mar 2025 11:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 10 15:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

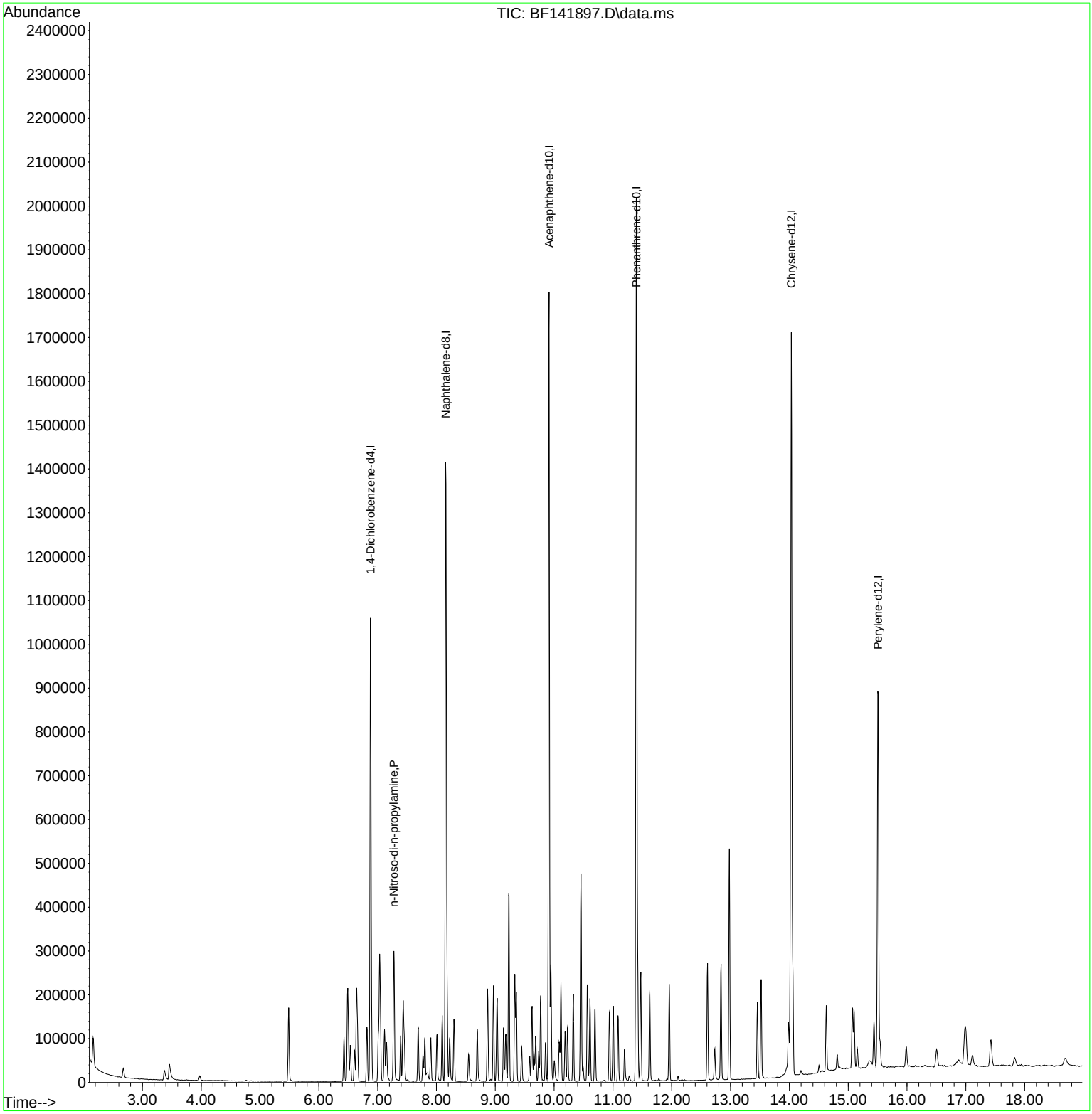
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	218163	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	918034	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	548310	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	1010378	20.000	ng	0.00
76) Chrysene-d12	14.033	240	740344	20.000	ng	0.00
86) Perylene-d12	15.509	264	520745	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...	7.275	70	27816	2.599	ng	94

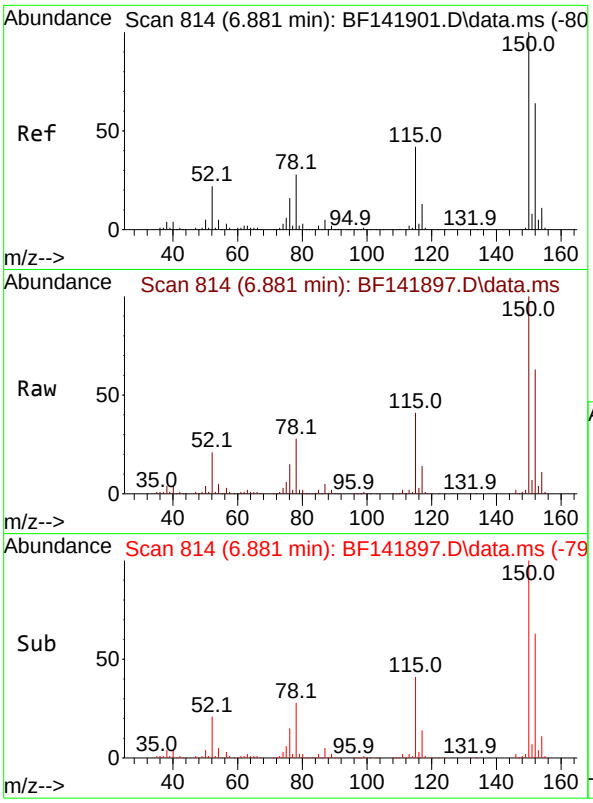
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141897.D
Acq On : 10 Mar 2025 11:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 10 15:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



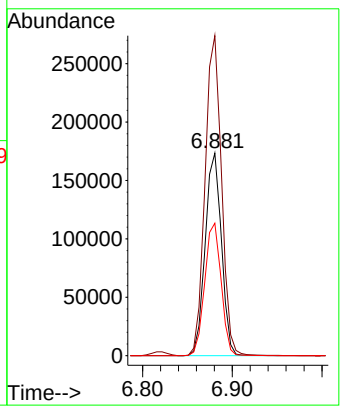


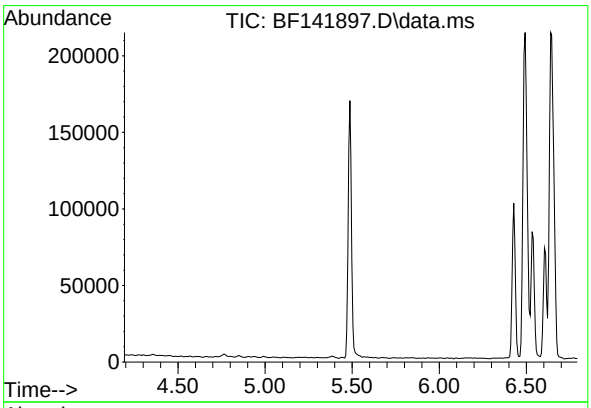
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 218163

Ion	Ratio	Lower	Upper
152	100		
150	158.0	127.4	191.2
115	65.4	51.9	77.9



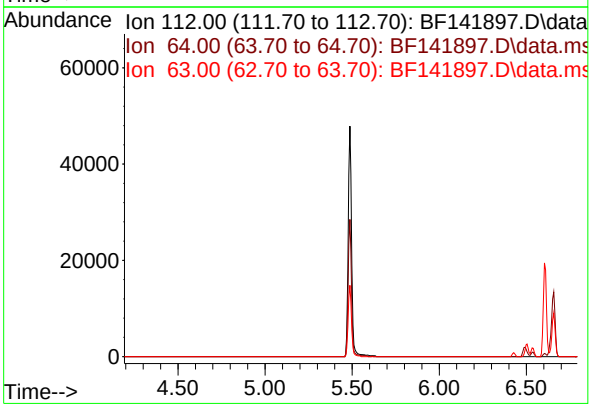


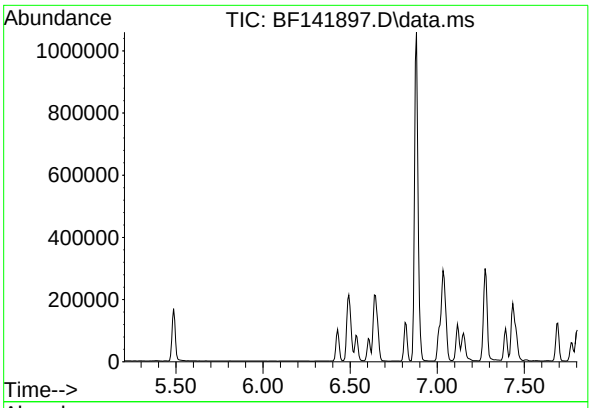
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

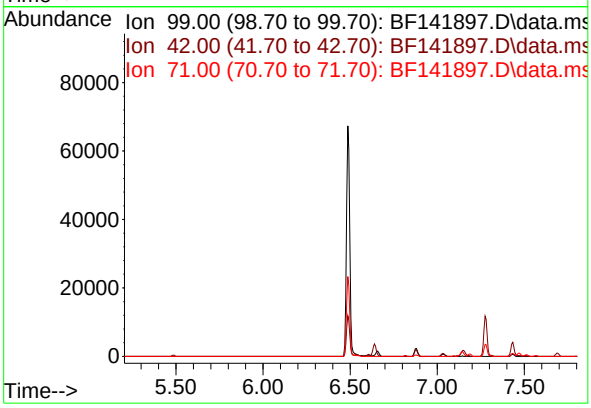
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	58.1
63	31.8







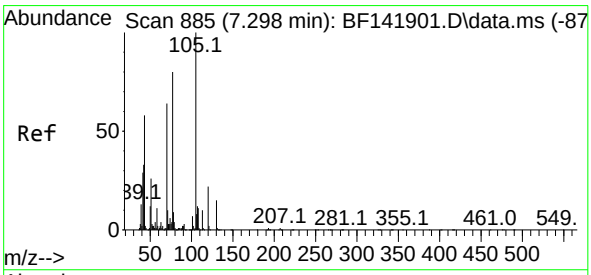
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.50 min

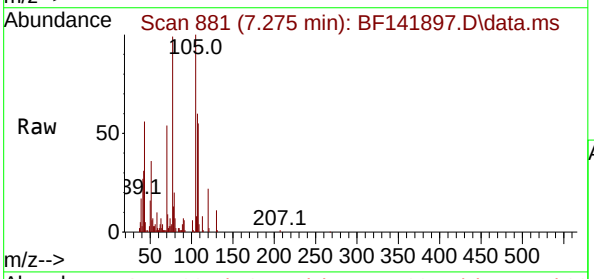
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

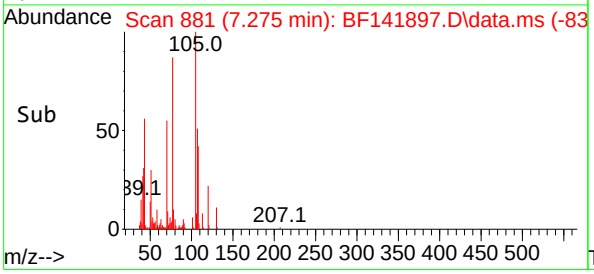
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	18.2
71	38.5



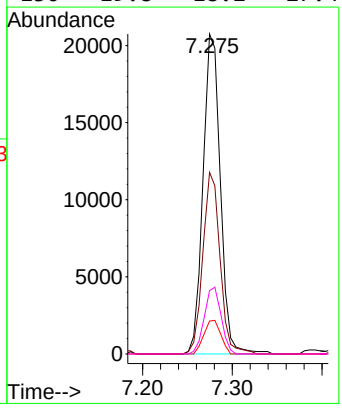


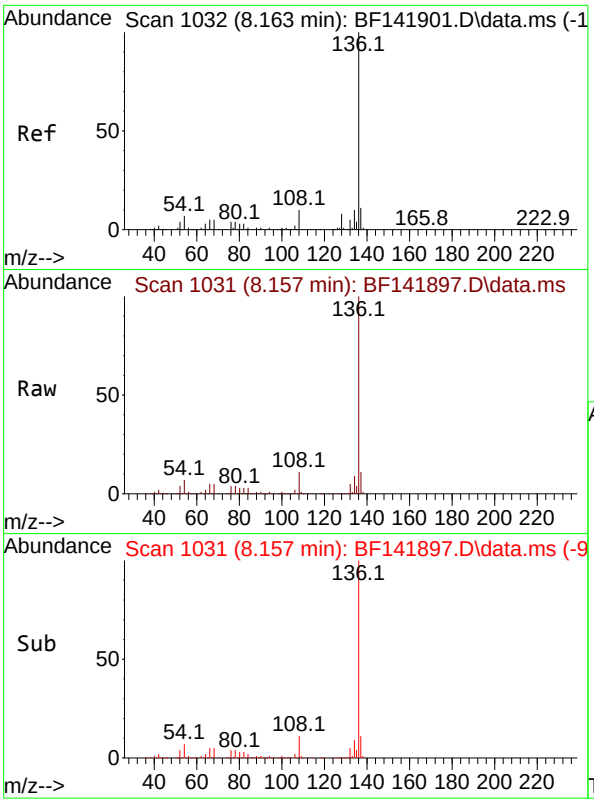


#19
n-Nitroso-di-n-propylamine
Concen: 2.599 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.024 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 70 Resp: 27816

Ion	Ratio	Lower	Upper
70	100		
42	56.8	41.4	62.0
101	10.3	8.2	12.2
130	19.8	18.2	27.4



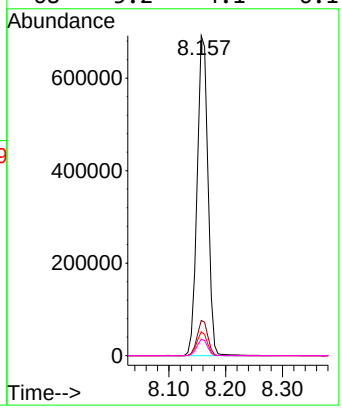


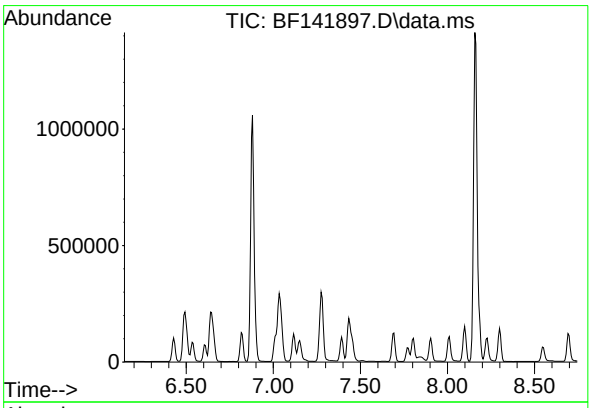
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 918034

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.5	5.8	8.8
68	5.2	4.1	6.1



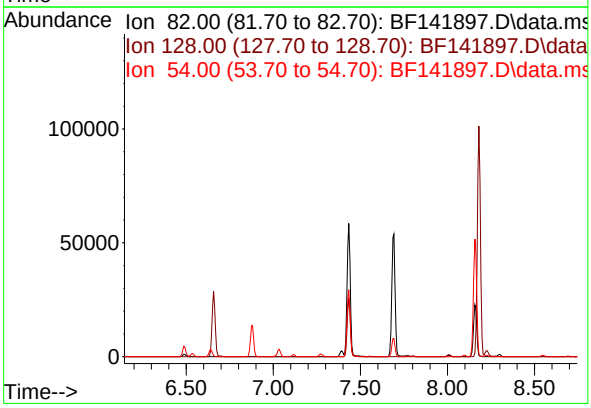


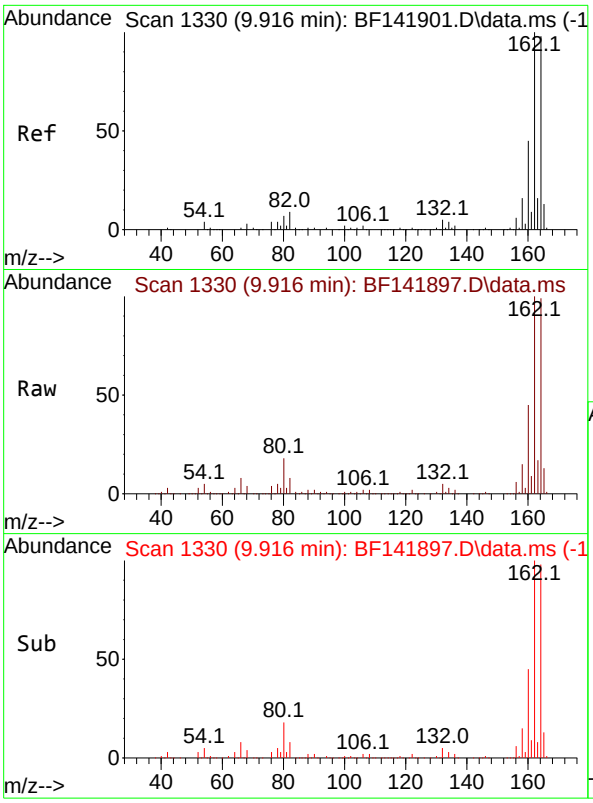
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.45 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	45.0
54	49.5



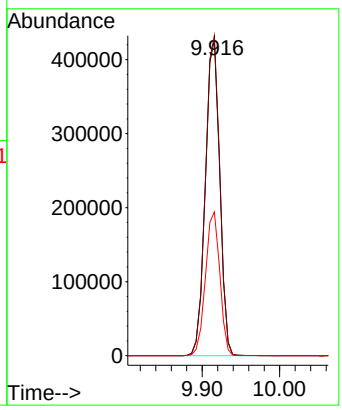


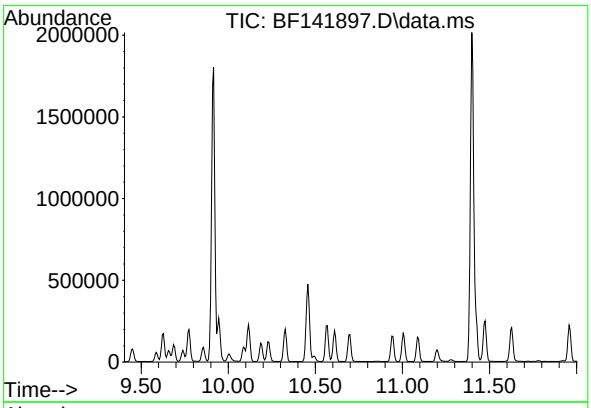
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 548310

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.8	122.6
160	45.5	36.7	55.1



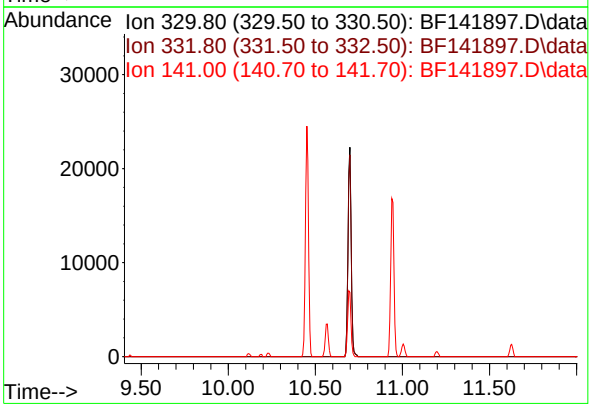


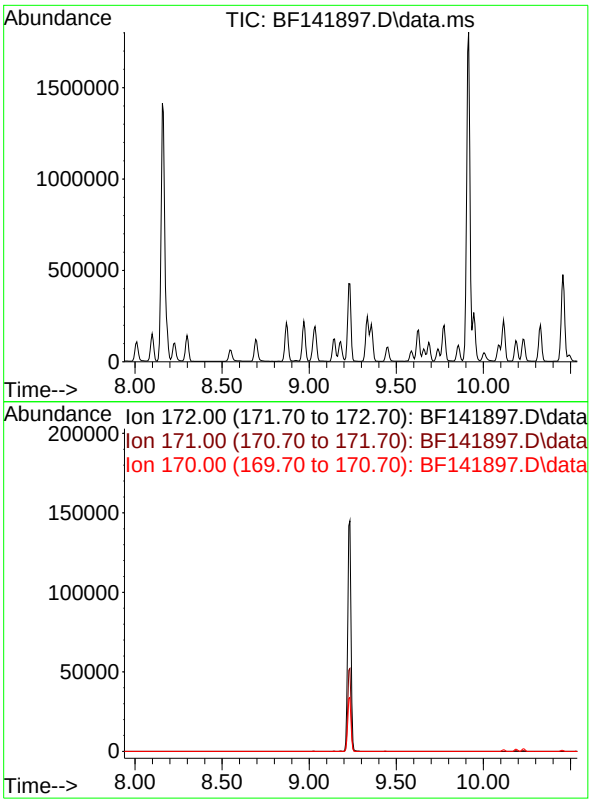
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.70 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.0
141	30.9





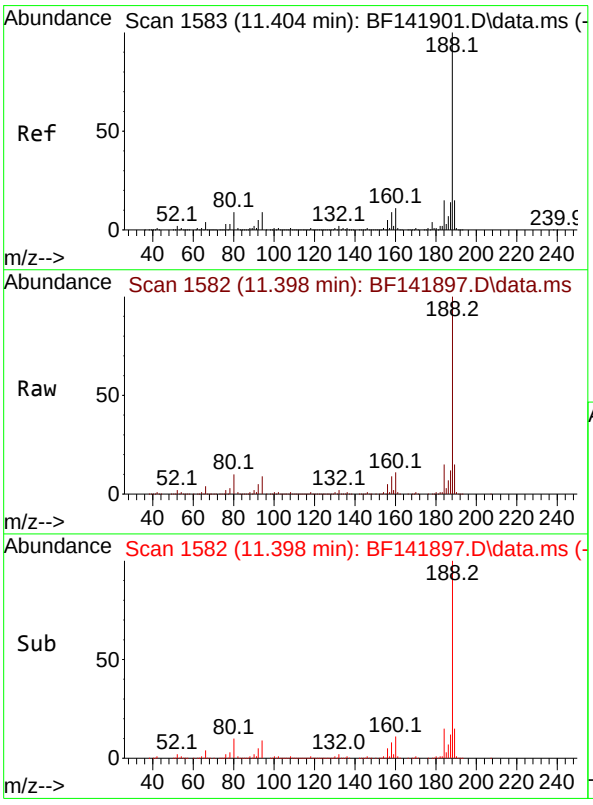
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.24 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	36.6
170	24.2

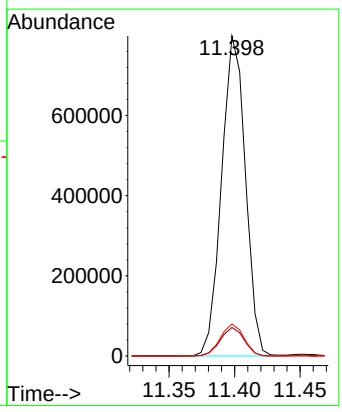
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

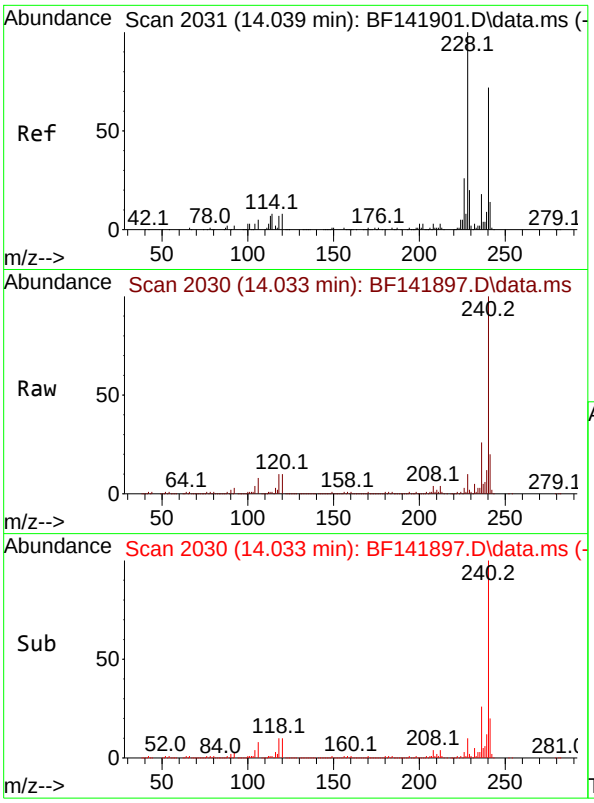


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion:188 Resp: 1010378

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.8	10.2
80	10.0	7.6	11.4



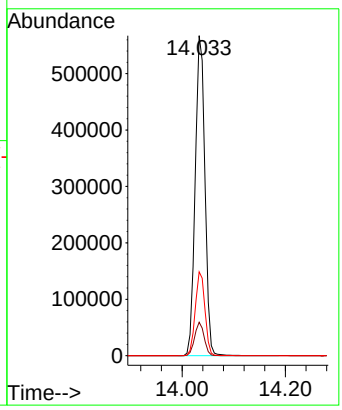


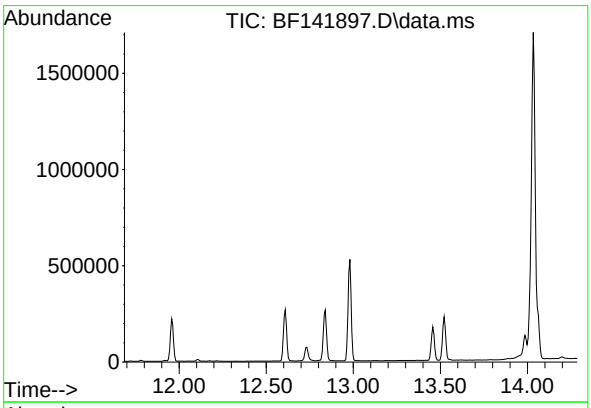
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 740344

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.4	12.6
236	26.2	20.5	30.7



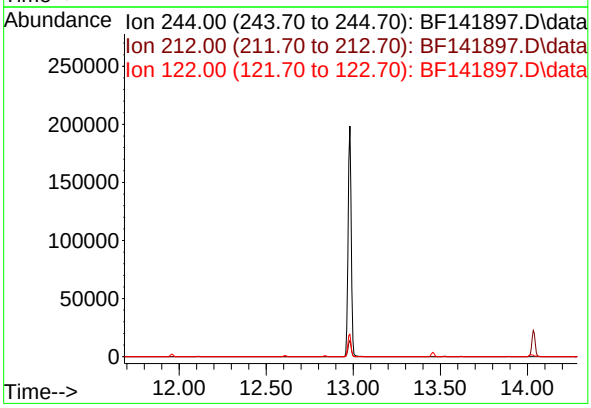


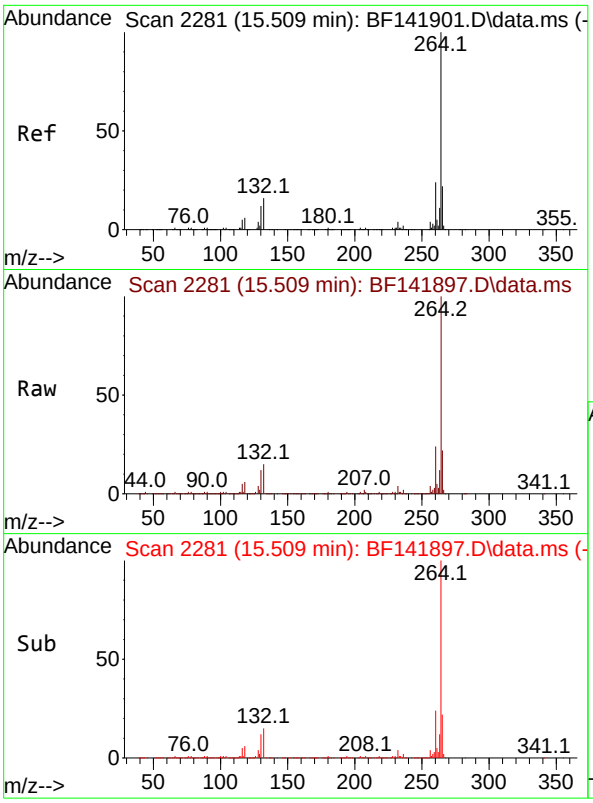
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.99 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.5
122	9.6



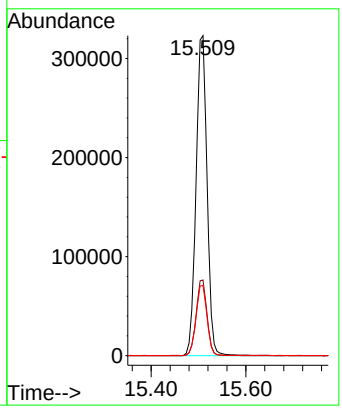


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 520745

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	21.9	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Mar 10 15:32:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	230406	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	926118	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	546702	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	1002901	20.000	ng		0.00
76) Chrysene-d12	14.033	240	745624	20.000	ng		0.00
86) Perylene-d12	15.504	264	527129	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	145959	10.570	ng		0.00
7) Phenol-d6	6.486	99	186951	10.630	ng		-0.02
23) Nitrobenzene-d5	7.433	82	159777	9.670	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	63996	9.238	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	390913	10.888	ng		0.00
79) Terphenyl-d14	12.980	244	500607	9.924	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	28210	4.874	ng		99
3) Pyridine	3.451	79	70090	4.928	ng		99
4) n-Nitrosodimethylamine	3.369	42	31893	4.717	ng	#	99
6) Aniline	6.534	93	92116	5.305	ng		100
8) 2-Chlorophenol	6.657	128	81845	5.347	ng		98
10) Phenol	6.504	94	98369	5.301	ng		96
11) bis(2-Chloroethyl)ether	6.604	93	74158	5.334	ng		98
12) 1,3-Dichlorobenzene	6.816	146	84952	5.136	ng		100
13) 1,4-Dichlorobenzene	6.898	146	87237	5.213	ng		98
14) 1,2-Dichlorobenzene	7.045	146	84183	5.342	ng		99
15) Benzyl Alcohol	7.010	79	71182	5.000	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	91659	5.470	ng		97
17) 2-Methylphenol	7.116	107	62211	5.114	ng		99
18) Hexachloroethane	7.392	117	31373	5.000	ng		96
19) n-Nitroso-di-n-propyla...	7.281	70	58981	5.218	ng		98
20) 3+4-Methylphenols	7.269	107	83461	5.349	ng		97
22) Acetophenone	7.281	105	119040	5.358	ng		99
24) Nitrobenzene	7.451	77	80338	4.904	ng		99
25) Isophorone	7.692	82	149807	5.135	ng		99
26) 2-Nitrophenol	7.775	139	34757	4.329	ng		98
27) 2,4-Dimethylphenol	7.804	122	57106	5.164	ng		96
28) bis(2-Chloroethoxy)met...	7.904	93	95214	5.210	ng		97
29) 2,4-Dichlorophenol	8.010	162	67710	4.934	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	78127	5.160	ng		98
31) Naphthalene	8.180	128	255632	5.388	ng		98
33) 4-Chloroaniline	8.228	127	88635	5.294	ng		99
34) Hexachlorobutadiene	8.298	225	48885	4.966	ng		99
35) Caprolactam	8.557	113	21358	5.118	ng		94
36) 4-Chloro-3-methylphenol	8.692	107	77370	5.070	ng		99
37) 2-Methylnaphthalene	8.869	142	172734	5.427	ng		99
38) 1-Methylnaphthalene	8.969	142	166050	5.387	ng		99
40) 1,2,4,5-Tetrachloroben...	9.033	216	84034	5.041	ng		99
41) Hexachlorocyclopentadiene	9.022	237	27931	4.246	ng		96
43) 2,4,6-Trichlorophenol	9.145	196	52998	4.877	ng		99
44) 2,4,5-Trichlorophenol	9.180	196	54111	4.901	ng		97
46) 1,1'-Biphenyl	9.333	154	223637	5.395	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Mar 10 15:32:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

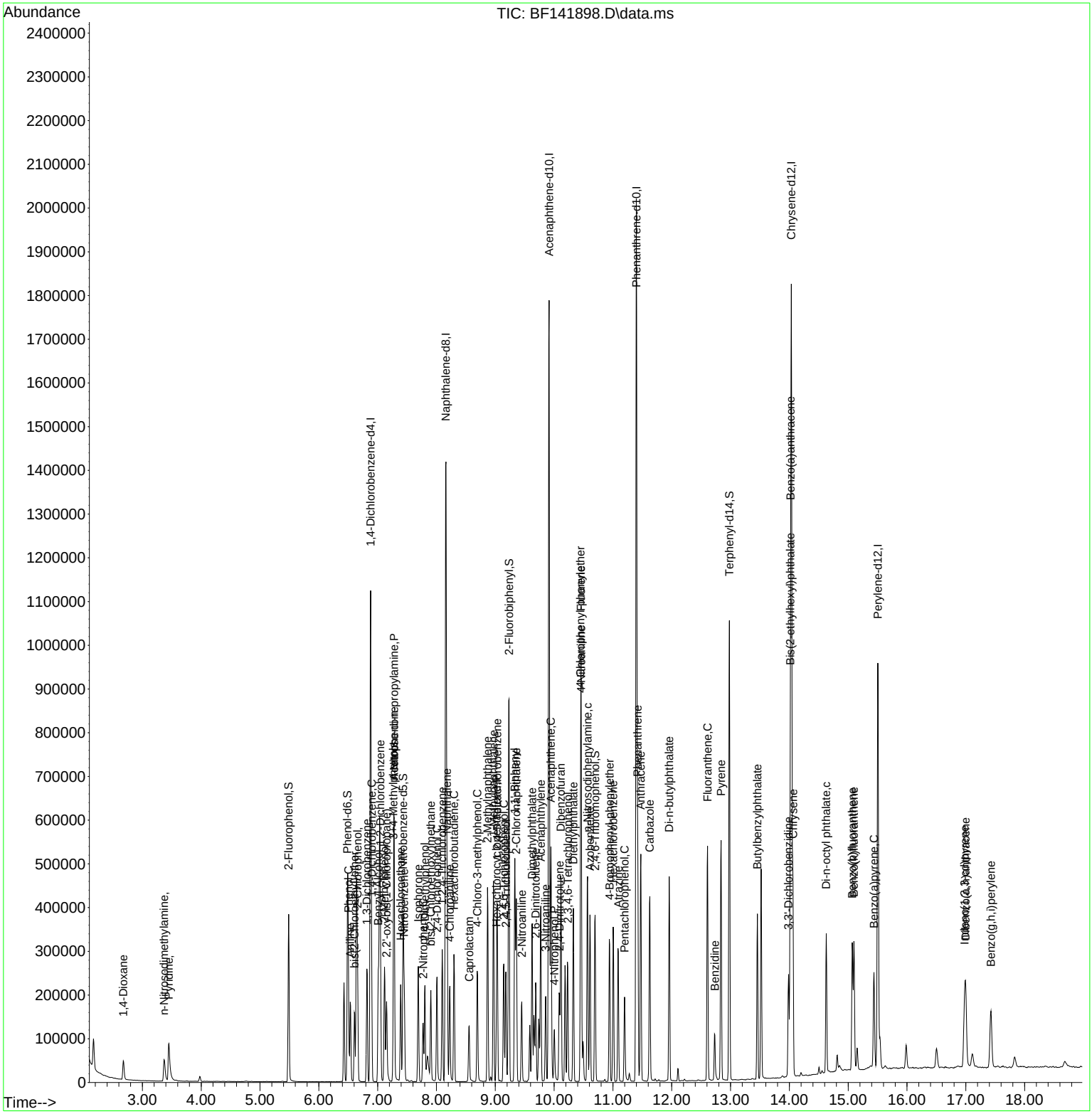
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.357	162	163642	5.298	ng	97
48) 2-Nitroaniline	9.451	65	40475	4.561	ng	98
49) Acenaphthylene	9.774	152	241253	5.268	ng	99
50) Dimethylphthalate	9.627	163	202373	5.328	ng	100
51) 2,6-Dinitrotoluene	9.686	165	37796	4.785	ng	99
52) Acenaphthene	9.945	154	168975	5.225	ng	98
53) 3-Nitroaniline	9.857	138	39761	4.902	ng	98
55) Dibenzofuran	10.116	168	252715	5.481	ng	97
56) 4-Nitrophenol	10.004	139	26252	4.309	ng	99
57) 2,4-Dinitrotoluene	10.092	165	49913	4.800	ng	98
58) Fluorene	10.457	166	197266	5.542	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	48472	4.839	ng	98
60) Diethylphthalate	10.327	149	201554	5.286	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	99747	5.380	ng	98
62) 4-Nitroaniline	10.463	138	38863	4.945	ng	94
63) Azobenzene	10.610	77	190233	5.370	ng	98
66) n-Nitrosodiphenylamine	10.569	169	169225	5.223	ng	98
67) 4-Bromophenyl-phenylether	10.945	248	60238	4.823	ng	98
68) Hexachlorobenzene	11.004	284	65620	4.753	ng	98
69) Atrazine	11.092	200	54251	6.867	ng	98
70) Pentachlorophenol	11.198	266	32716	3.843	ng	100
71) Phenanthrene	11.421	178	289580	5.340	ng	98
72) Anthracene	11.474	178	294198	5.407	ng	98
73) Carbazole	11.627	167	249634	5.329	ng	99
74) Di-n-butylphthalate	11.957	149	330999	5.352	ng	99
75) Fluoranthene	12.610	202	309273	5.432	ng	99
77) Benzidine	12.733	184	64673	6.138	ng	99
78) Pyrene	12.839	202	315969	4.941	ng	99
80) Butylbenzylphthalate	13.457	149	117256	4.653	ng	99
81) Benzo(a)anthracene	14.021	228	255308	5.205	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	68969	4.865	ng	100
83) Chrysene	14.062	228	213144	4.837	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	167165	4.836	ng	99
85) Di-n-octyl phthalate	14.627	149	213395	4.435	ng	99
87) Indeno(1,2,3-cd)pyrene	16.980	276	144536	4.228	ng	99
88) Benzo(b)fluoranthene	15.068	252	187154	5.234	ng	99
89) Benzo(k)fluoranthene	15.098	252	153142	4.903	ng	99
90) Benzo(a)pyrene	15.439	252	137043	4.860	ng	99
91) Dibenzo(a,h)anthracene	16.998	278	119937	4.252	ng	99
92) Benzo(g,h,i)perylene	17.427	276	120142	4.294	ng	99

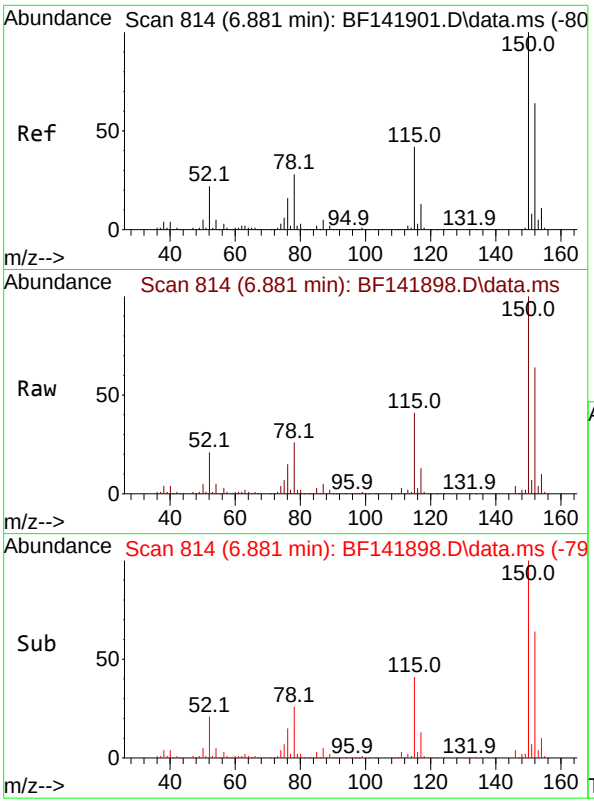
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Mar 10 15:32:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



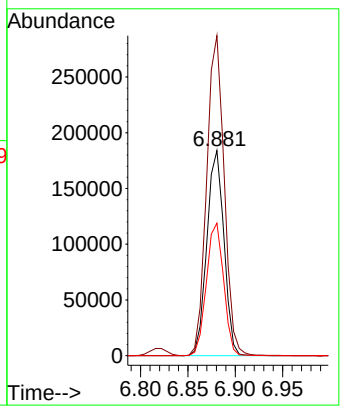


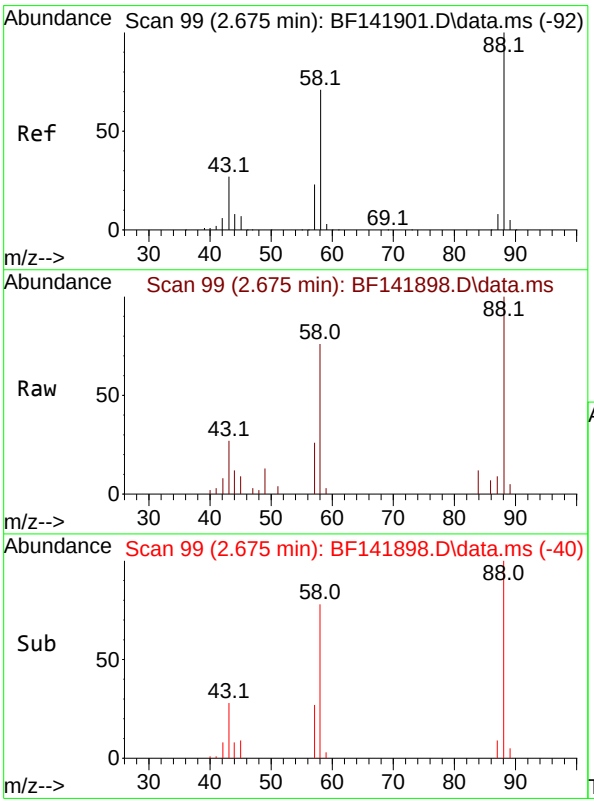
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 230406

Ion	Ratio	Lower	Upper
152	100		
150	155.9	127.4	191.2
115	64.6	51.9	77.9

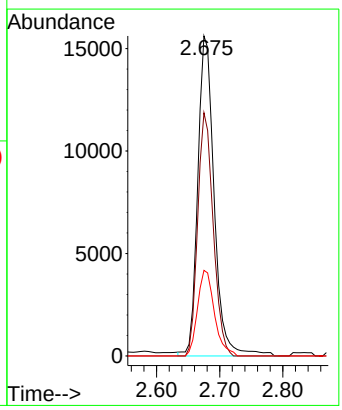


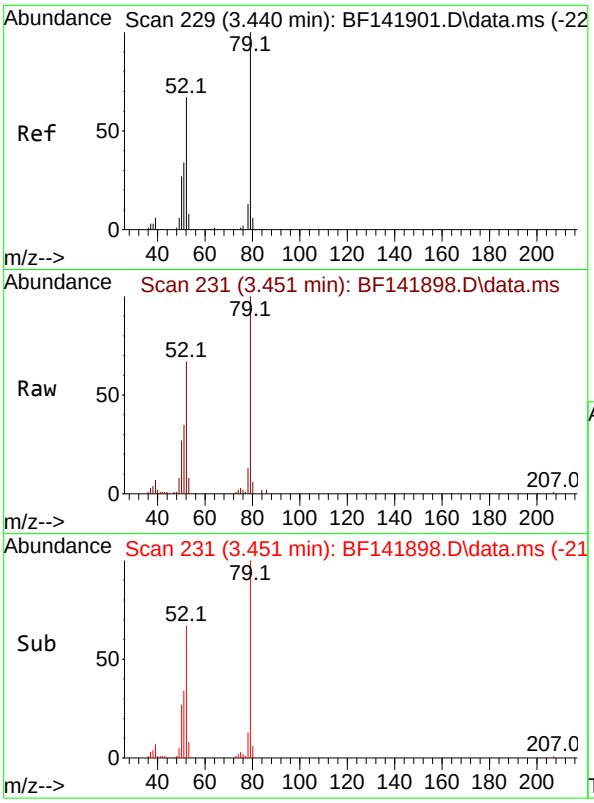


#2
1,4-Dioxane
Concen: 4.874 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 88 Resp: 28210

Ion	Ratio	Lower	Upper
88	100		
58	71.4	57.4	86.2
43	27.5	21.5	32.3



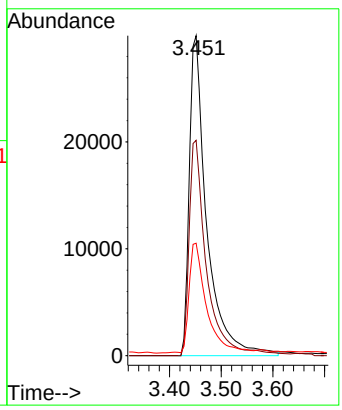


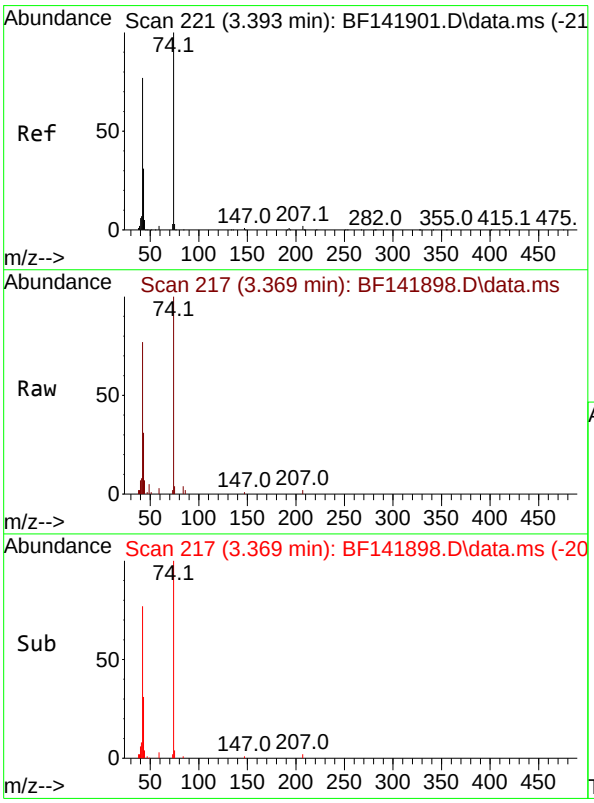
#3
Pyridine
Concen: 4.928 ng
RT: 3.451 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 70090

Ion	Ratio	Lower	Upper
79	100		
52	67.3	53.3	79.9
51	35.2	27.6	41.4

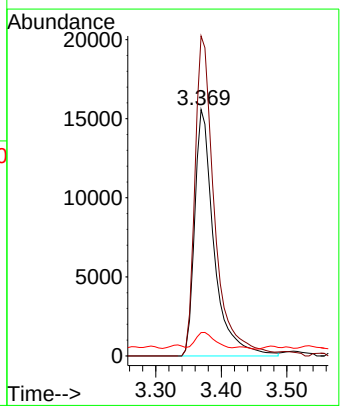


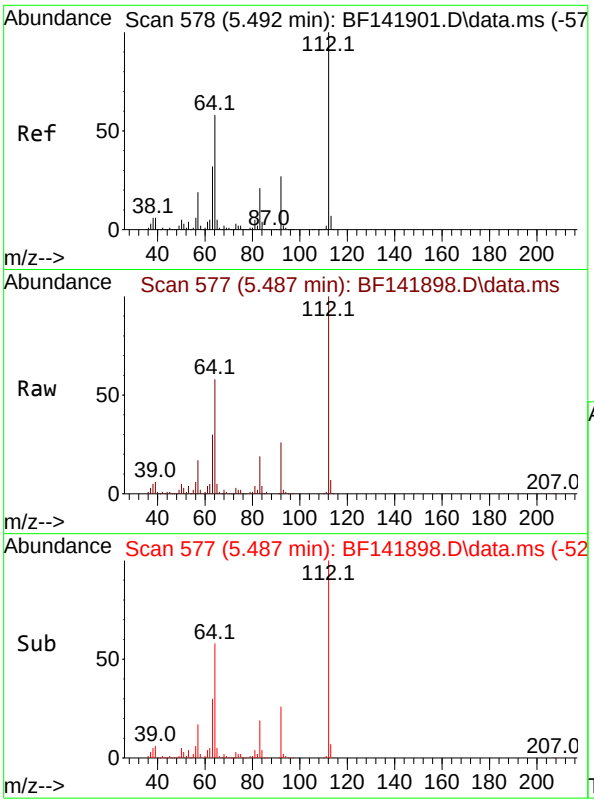


#4
n-Nitrosodimethylamine
Concen: 4.717 ng
RT: 3.369 min Scan# 217
Delta R.T. -0.024 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 42 Resp: 31893

Ion	Ratio	Lower	Upper
42	100		
74	129.9	103.4	155.0
44	9.5	5.0	7.4#



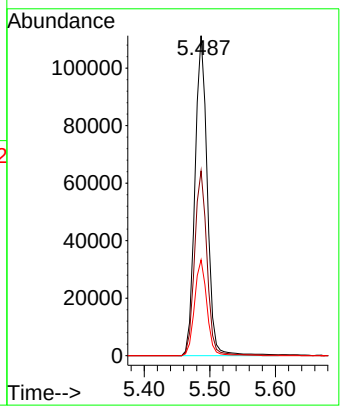


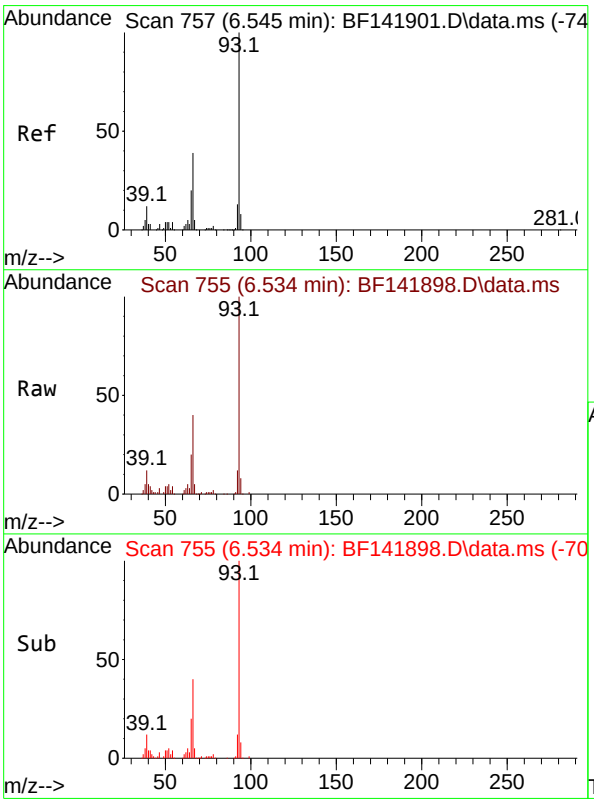
#5
2-Fluorophenol
Concen: 10.570 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 145959

Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.5	69.7
63	29.9	25.4	38.2

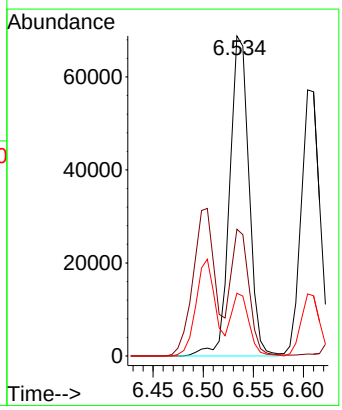


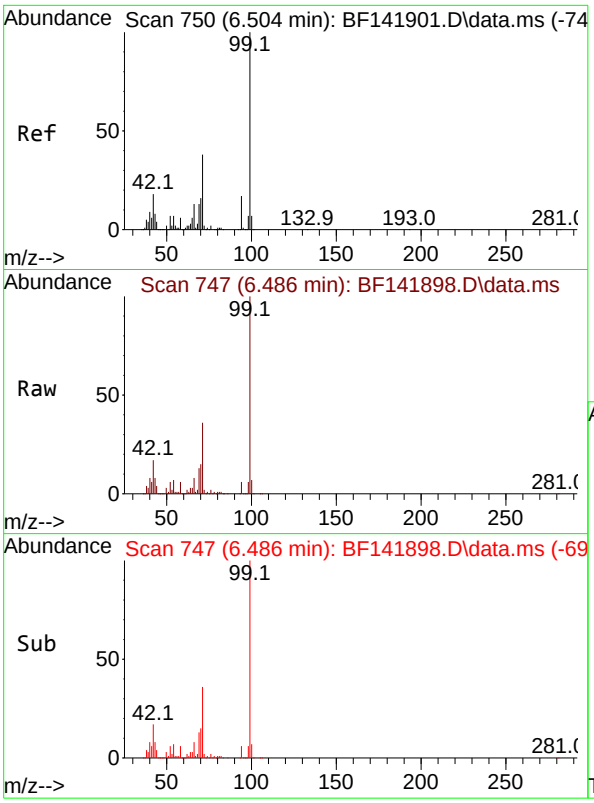


#6
Aniline
Concen: 5.305 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 93 Resp: 92116

Ion	Ratio	Lower	Upper
93	100		
66	39.6	31.9	47.9
65	19.6	15.8	23.6



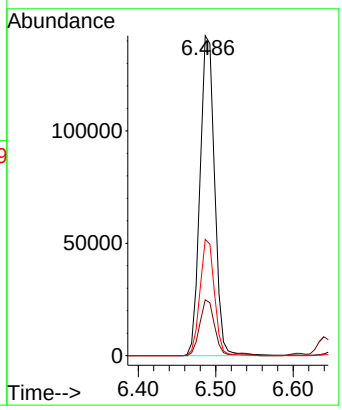


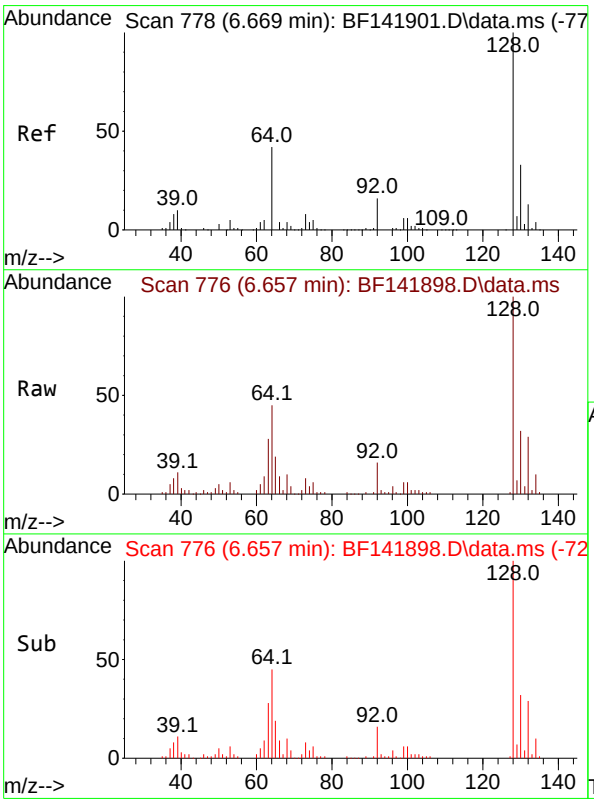
#7
Phenol-d6
Concen: 10.630 ng
RT: 6.486 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 186951

Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.6	21.8
71	36.4	30.8	46.2

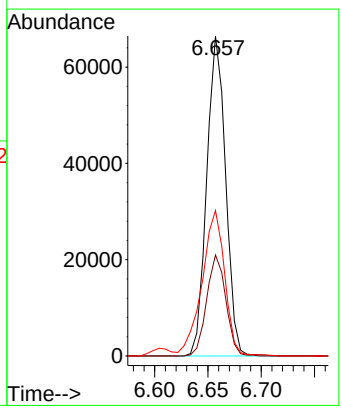


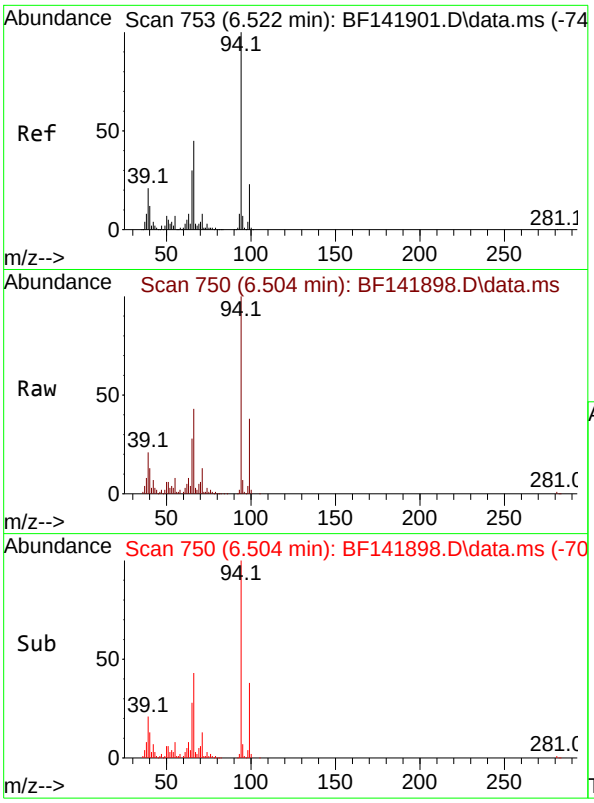


#8
2-Chlorophenol
Concen: 5.347 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:128 Resp: 81845

Ion	Ratio	Lower	Upper
128	100		
130	31.5	12.8	52.8
64	45.5	24.4	64.4



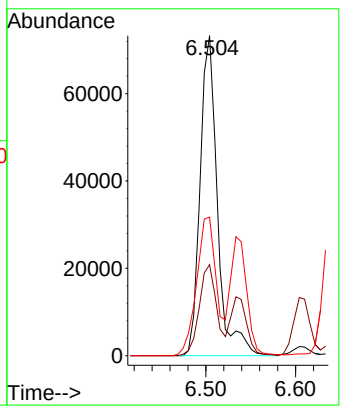


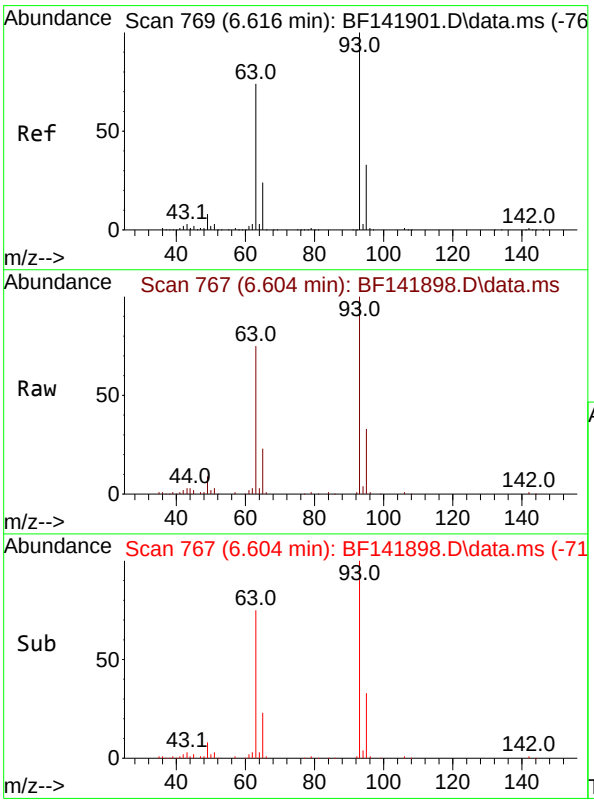
#10
Phenol
Concen: 5.301 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 94 Resp: 98369

Ion	Ratio	Lower	Upper
94	100		
65	28.4	10.5	50.5
66	43.3	25.8	65.8

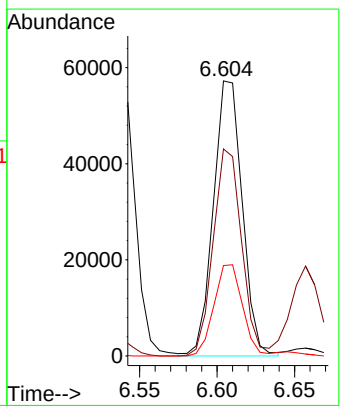


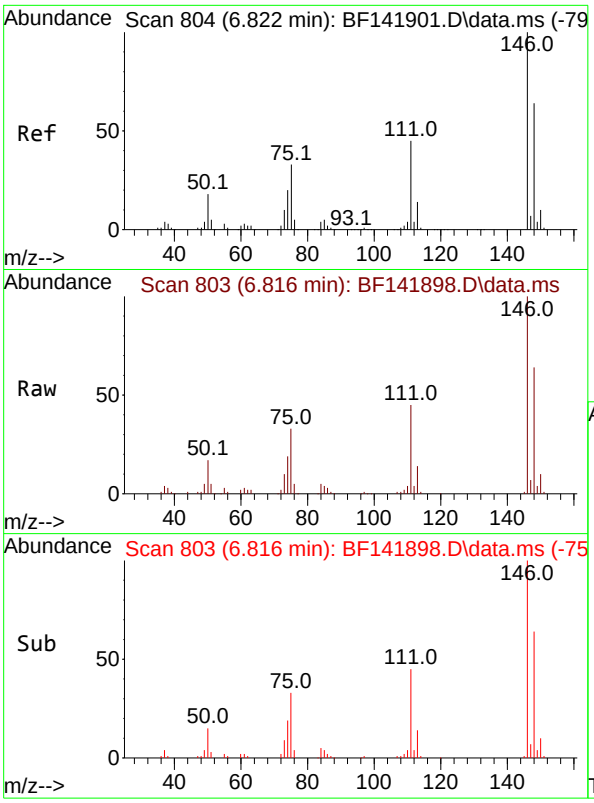


#11
bis(2-Chloroethyl)ether
Concen: 5.334 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 93 Resp: 74158

Ion	Ratio	Lower	Upper
93	100		
63	75.3	53.0	93.0
95	32.9	12.9	52.9



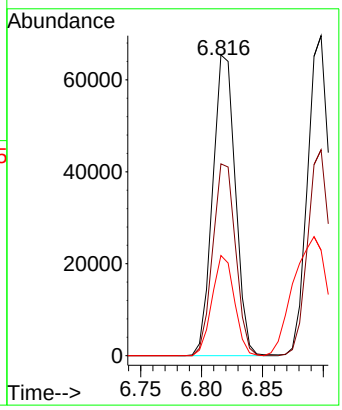


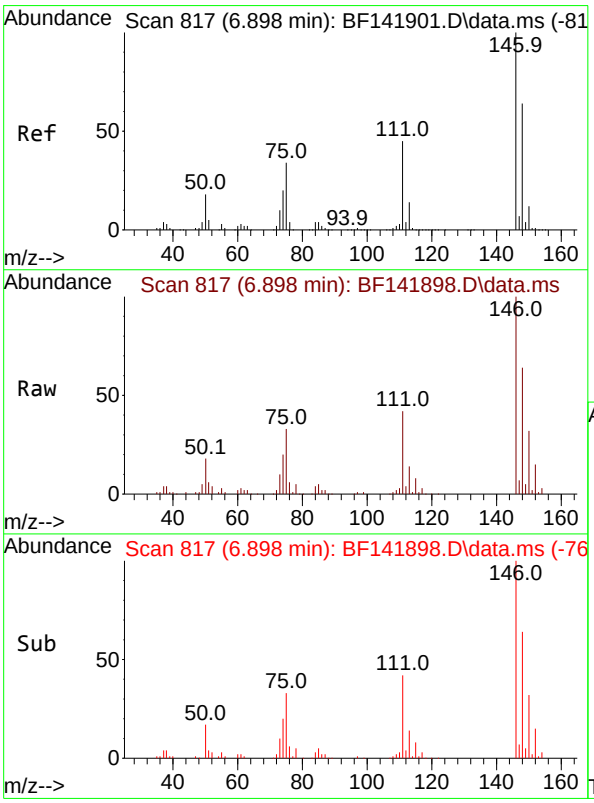
#12
1,3-Dichlorobenzene
Concen: 5.136 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 84952

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.3	76.9
75	33.3	26.6	40.0

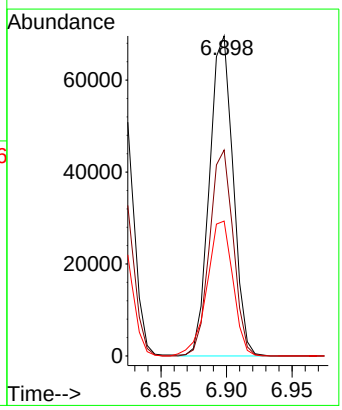


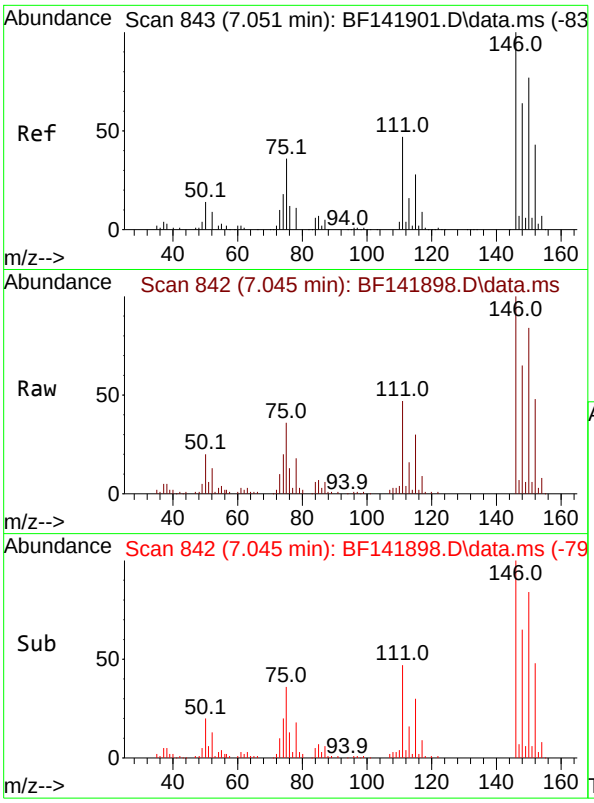


#13
1,4-Dichlorobenzene
Concen: 5.213 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:146 Resp: 87237

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.6
111	42.2	35.7	53.5



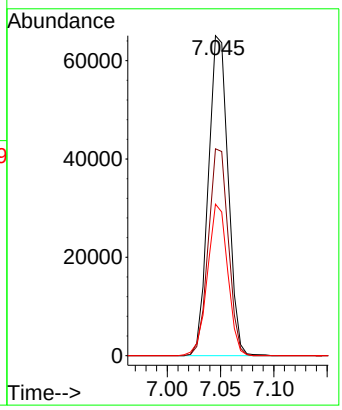


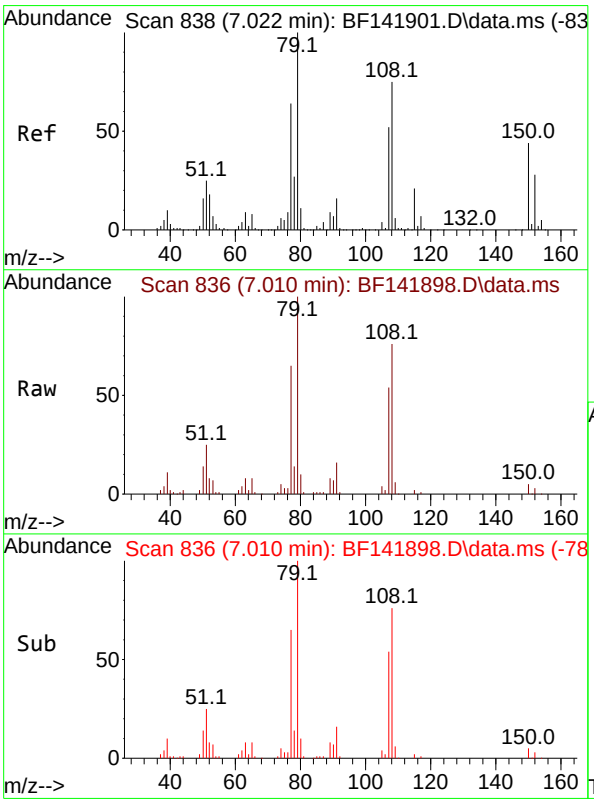
#14
1,2-Dichlorobenzene
Concen: 5.342 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 84183

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.8	76.2
111	47.4	38.0	57.0

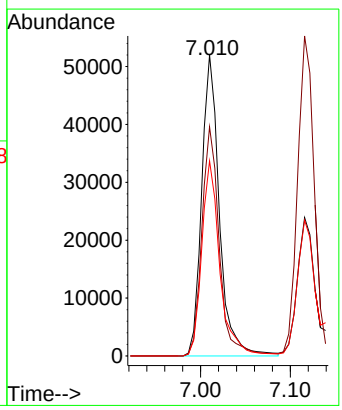


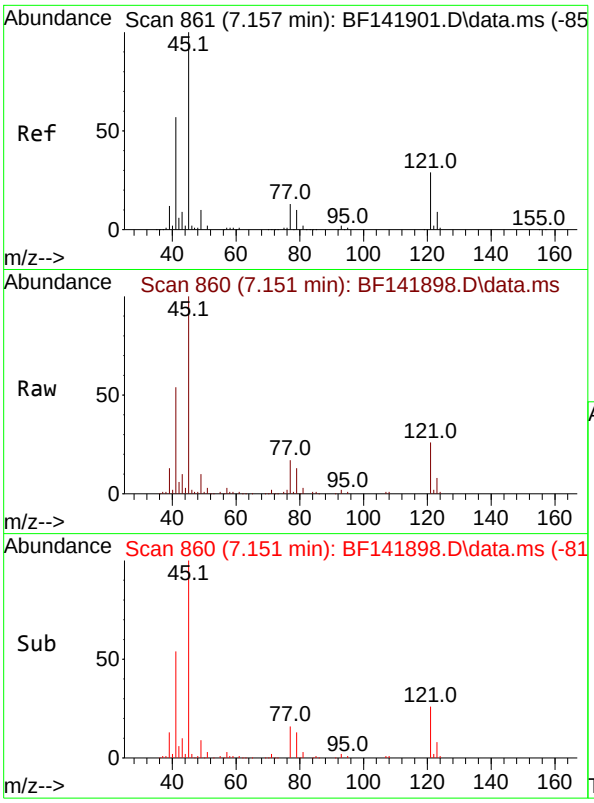


#15
Benzyl Alcohol
Concen: 5.000 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 79 Resp: 71182

Ion	Ratio	Lower	Upper
79	100		
108	76.1	59.7	89.5
77	64.8	51.0	76.6



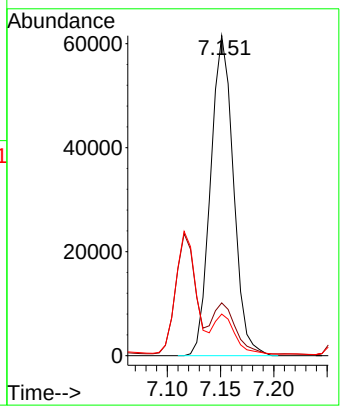


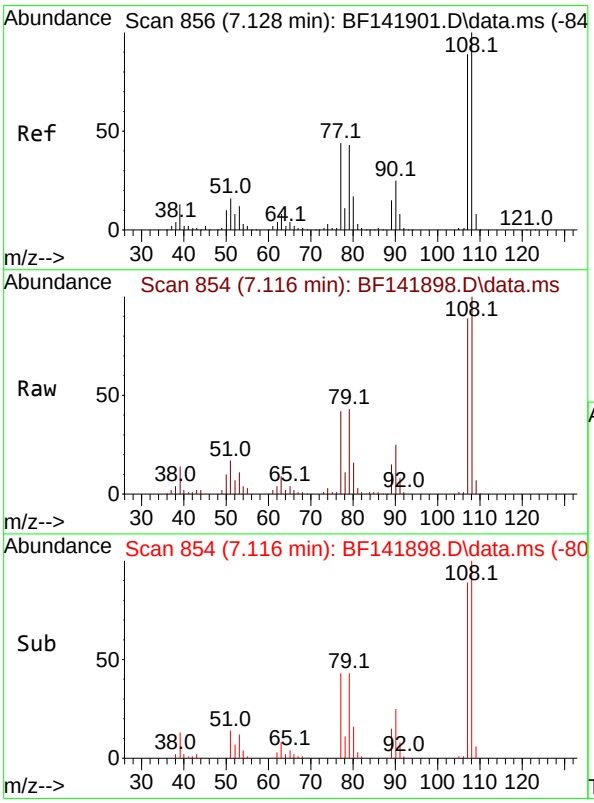
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.470 ng
RT: 7.151 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 91659

Ion	Ratio	Lower	Upper
45	100		
77	16.5	0.0	37.8
79	13.0	0.0	34.2

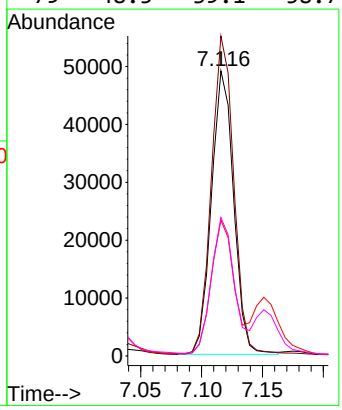


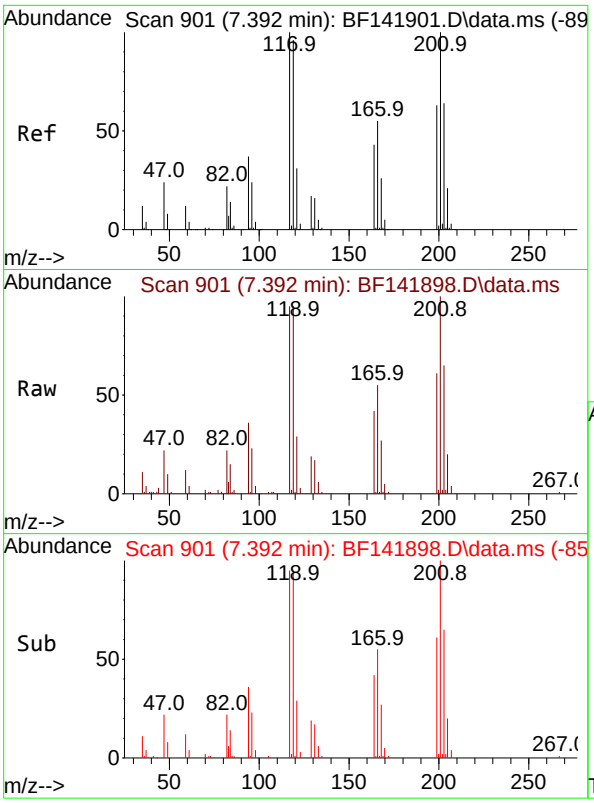


#17
2-Methylphenol
Concen: 5.114 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:107 Resp: 62211

Ion	Ratio	Lower	Upper
107	100		
108	112.2	90.2	135.2
77	47.6	39.6	59.4
79	48.5	39.1	58.7



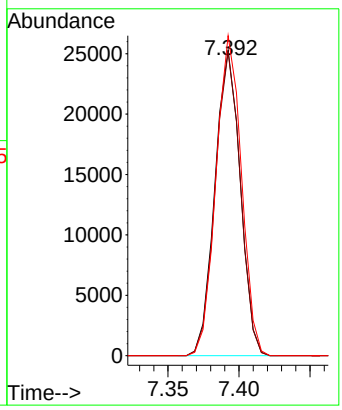


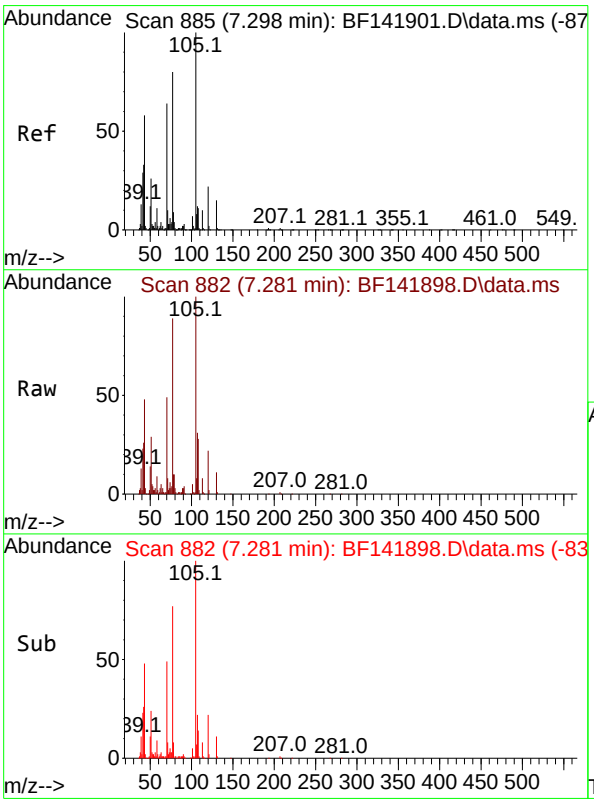
#18
Hexachloroethane
Concen: 5.000 ng
RT: 7.392 min Scan# 9(
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 31373

Ion	Ratio	Lower	Upper
117	100		
119	99.3	76.9	115.3
201	104.7	79.9	119.9

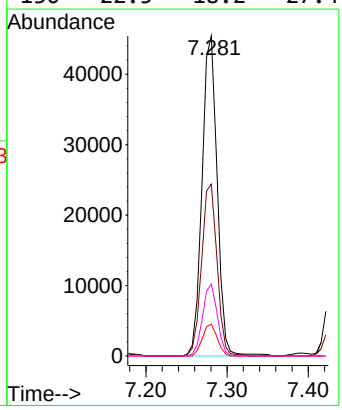


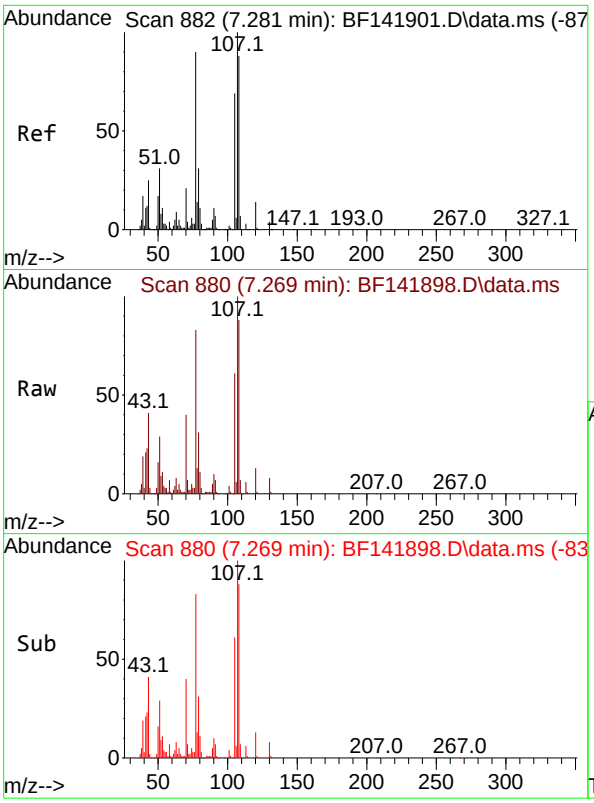


#19
n-Nitroso-di-n-propylamine
Concen: 5.218 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 70 Resp: 58981

Ion	Ratio	Lower	Upper
70	100		
42	53.7	41.4	62.0
101	9.9	8.2	12.2
130	22.5	18.2	27.4



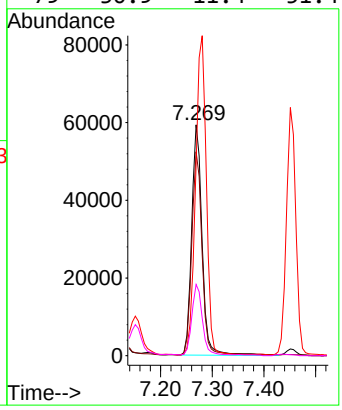


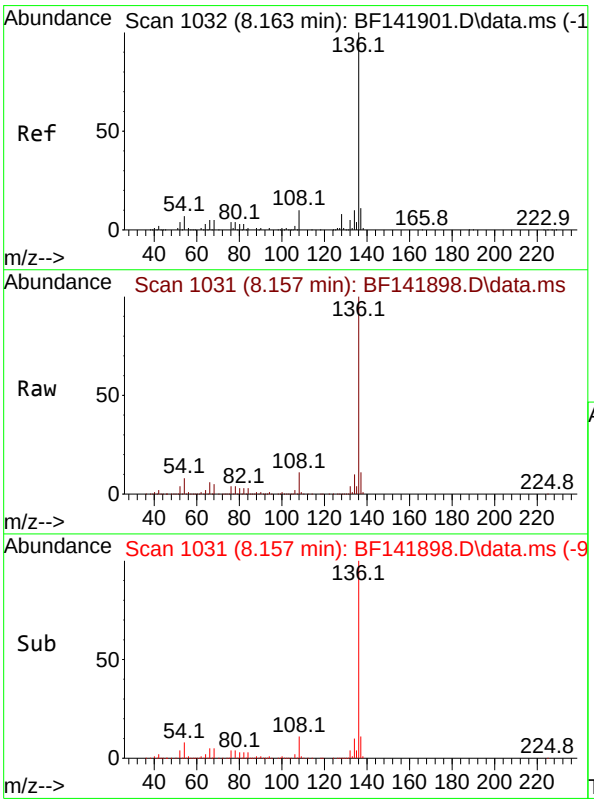
#20
3+4-Methylphenols
Concen: 5.349 ng
RT: 7.269 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 83461

Ion	Ratio	Lower	Upper
107	100		
108	88.4	68.4	108.4
77	83.1	69.7	109.7
79	30.9	11.4	51.4

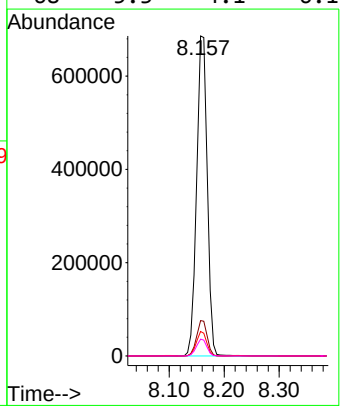


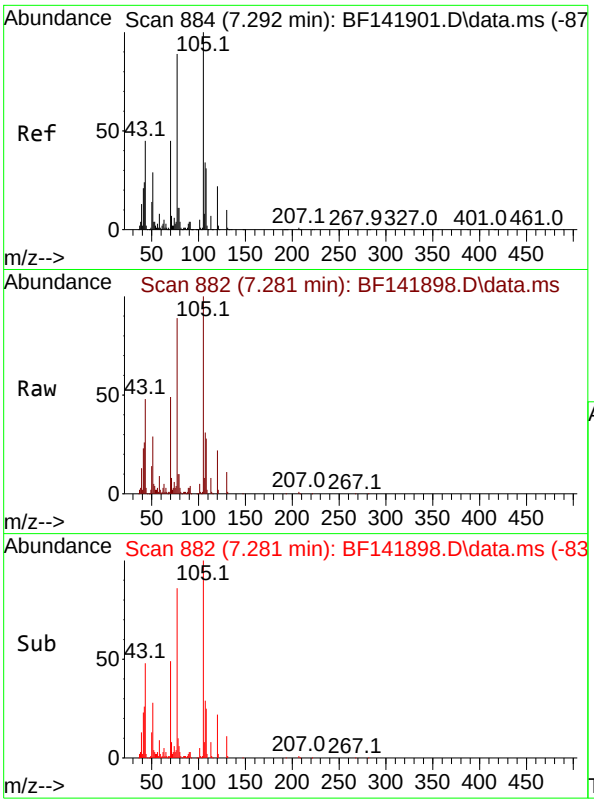


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:136 Resp: 926118

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.7	5.8	8.8
68	5.3	4.1	6.1



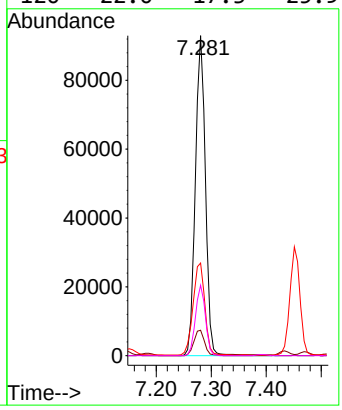


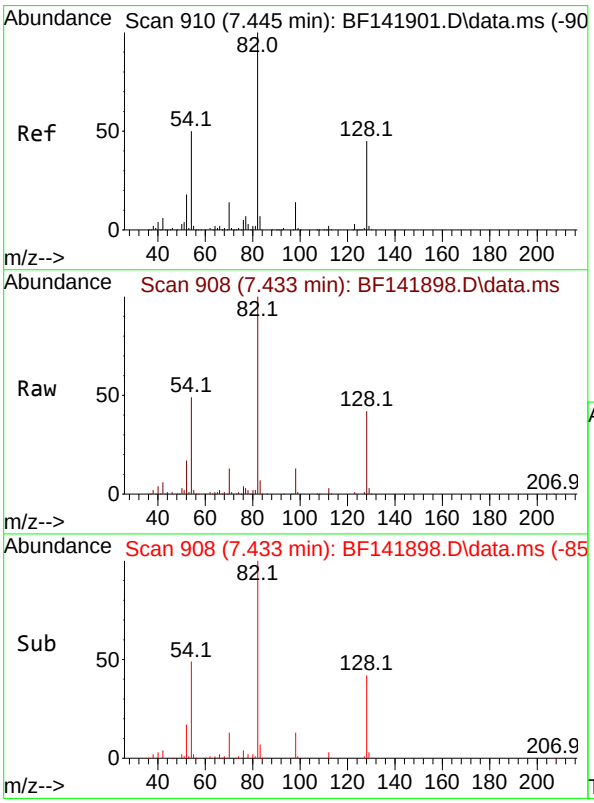
#22
Acetophenone
Concen: 5.358 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:105 Resp: 119040

Ion	Ratio	Lower	Upper
105	100		
71	8.0	5.8	8.8
51	29.0	23.4	35.0
120	22.0	17.3	25.9

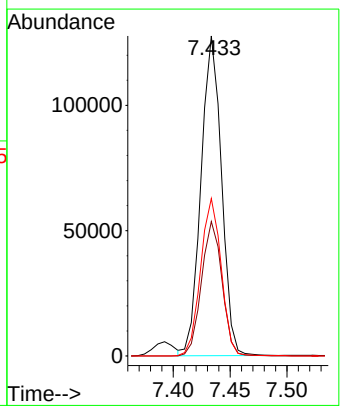


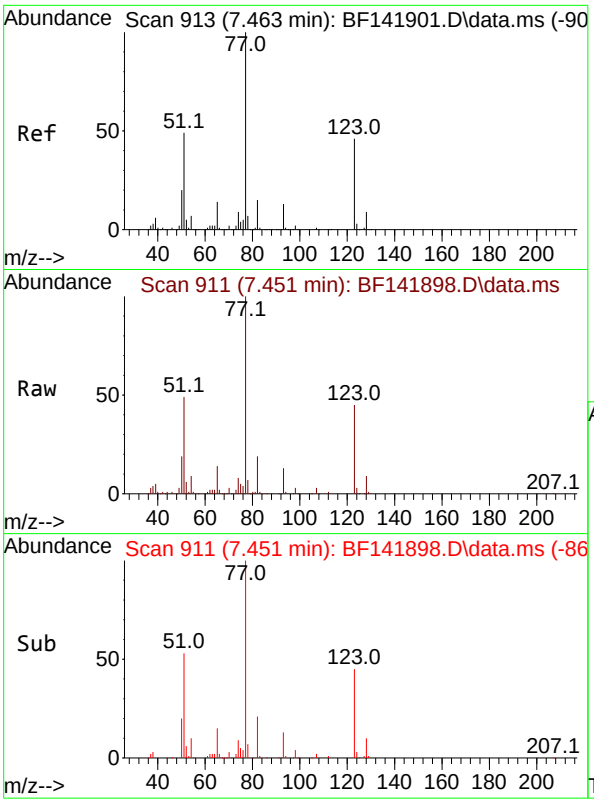


#23
Nitrobenzene-d5
Concen: 9.670 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 82 Resp: 159777

Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.0	54.0
54	49.2	39.6	59.4



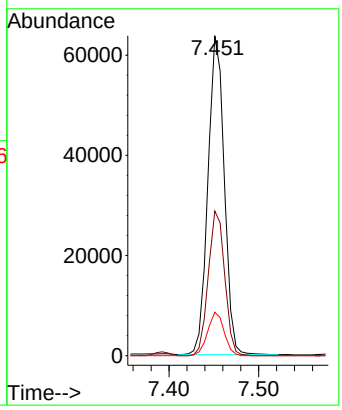


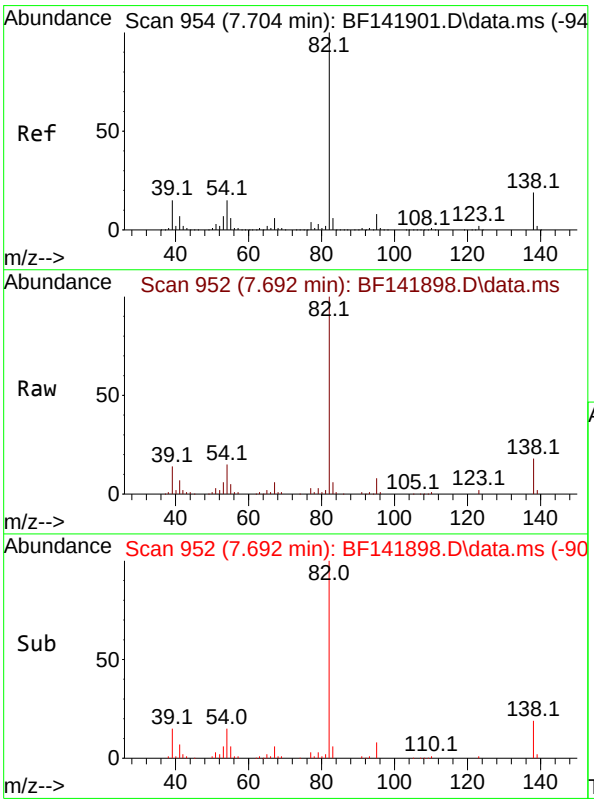
#24
Nitrobenzene
Concen: 4.904 ng
RT: 7.451 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 80338

Ion	Ratio	Lower	Upper
77	100		
123	45.2	37.0	55.4
65	13.6	11.3	16.9

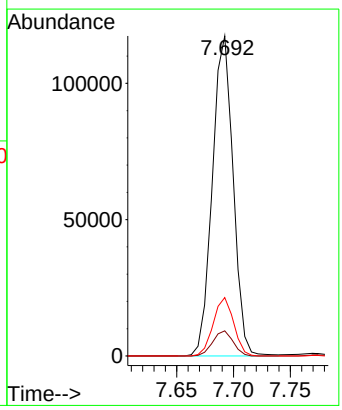


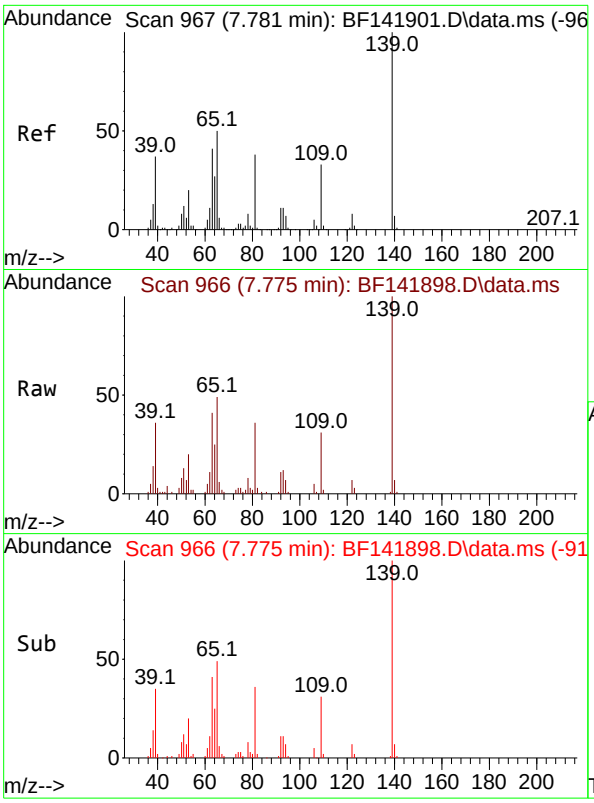


#25
Isophorone
Concen: 5.135 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 82 Resp: 149807

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.3	14.9	22.3



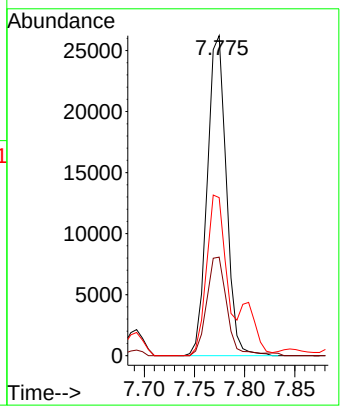


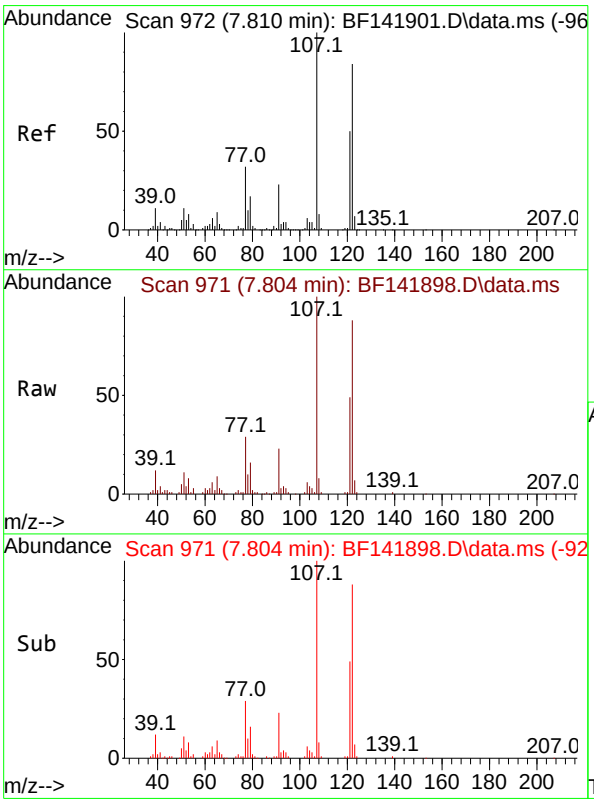
#26
2-Nitrophenol
Concen: 4.329 ng
RT: 7.775 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 34757

Ion	Ratio	Lower	Upper
139	100		
109	30.8	26.5	39.7
65	49.4	40.3	60.5

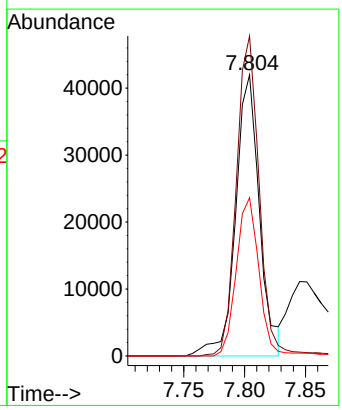


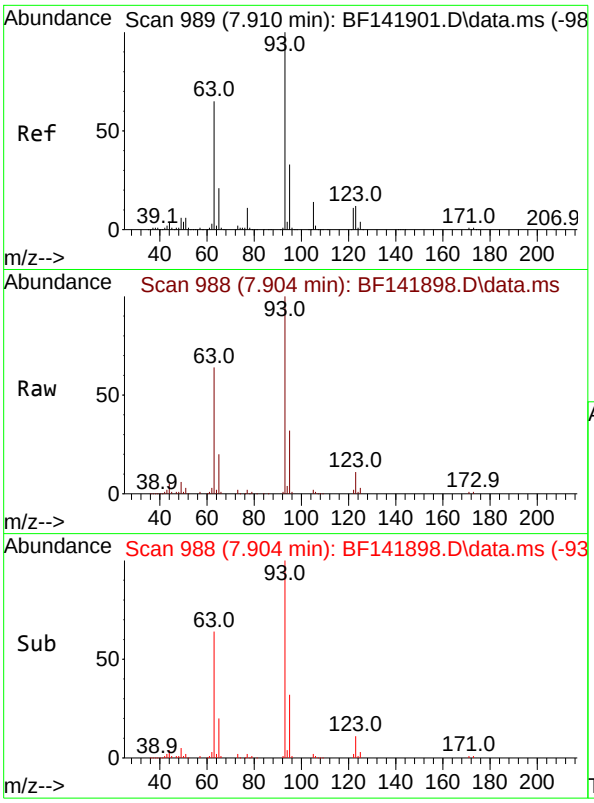


#27
2,4-Dimethylphenol
Concen: 5.164 ng
RT: 7.804 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:122 Resp: 57106

Ion	Ratio	Lower	Upper
122	100		
107	113.8	94.8	142.2
121	56.3	47.8	71.6



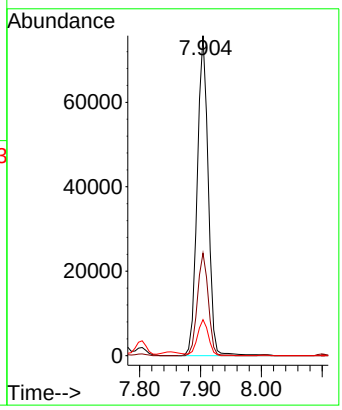


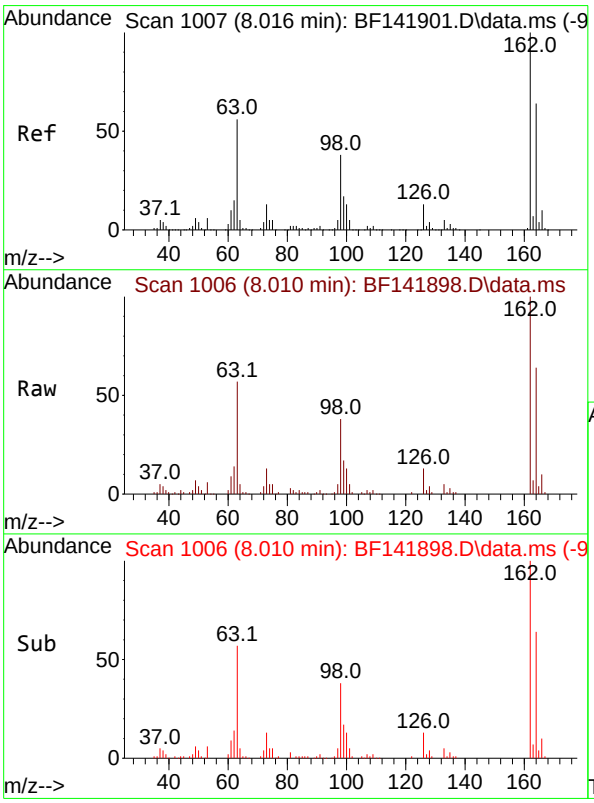
#28
bis(2-Chloroethoxy)methane
Concen: 5.210 ng
RT: 7.904 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 95214

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.6	40.0
123	11.3	10.2	15.4

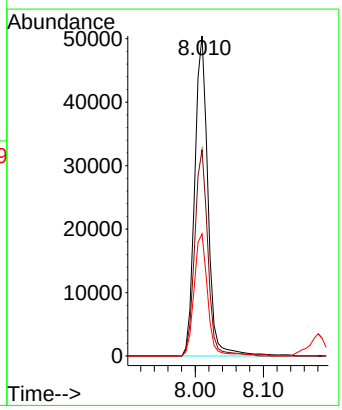


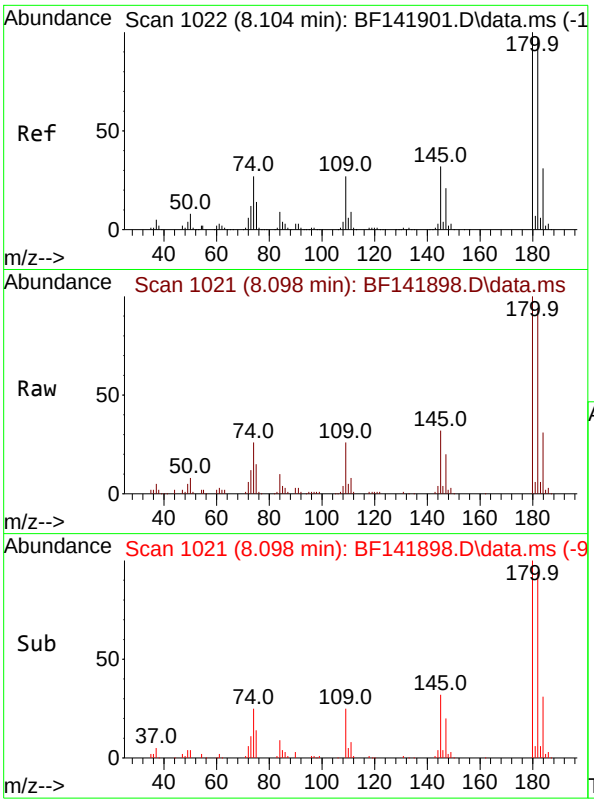


#29
2,4-Dichlorophenol
Concen: 4.934 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:162 Resp: 67710

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.8	83.8
98	38.2	18.1	58.1



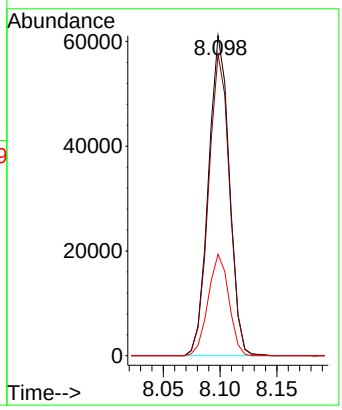


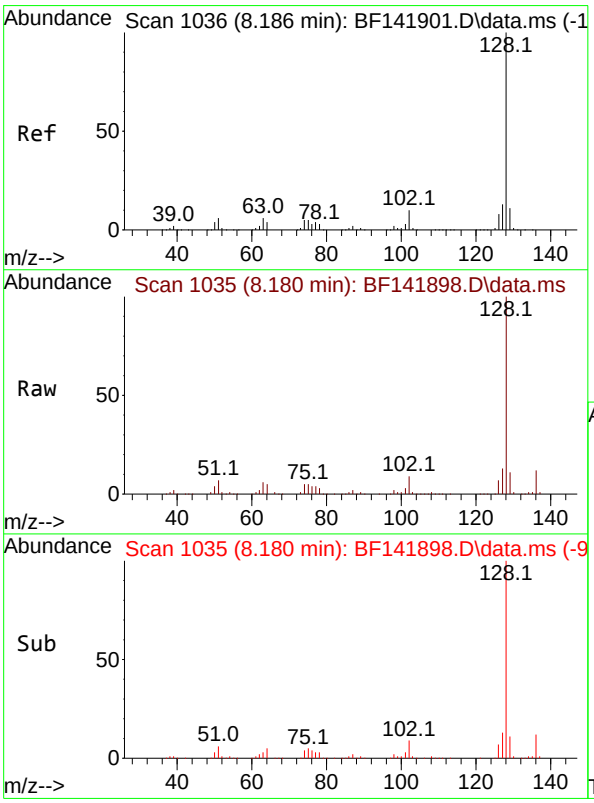
#30
1,2,4-Trichlorobenzene
Concen: 5.160 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:180 Resp: 78127

Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.5	116.3
145	31.6	25.8	38.6

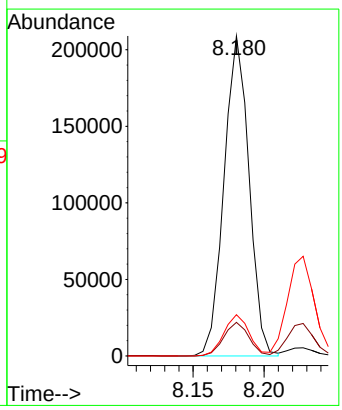


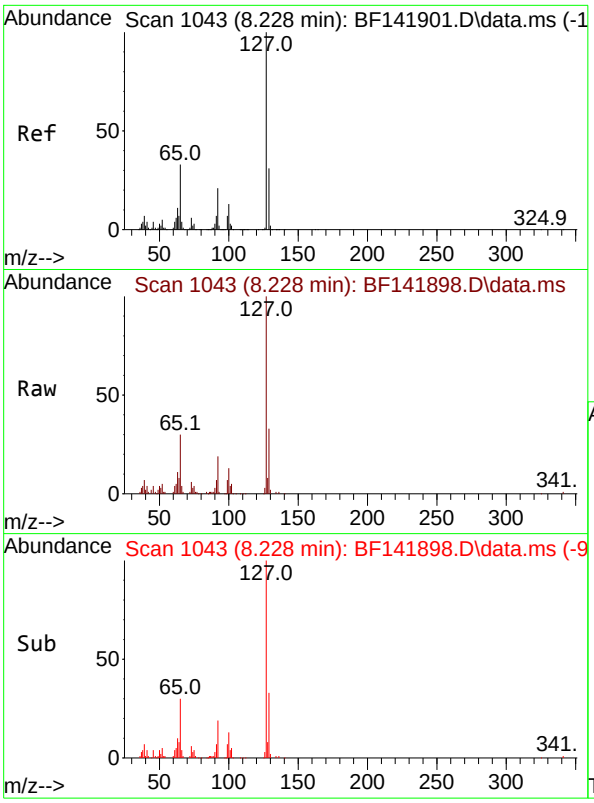


#31
Naphthalene
Concen: 5.388 ng
RT: 8.180 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:128 Resp: 255632

Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.0	13.6
127	12.9	10.8	16.2



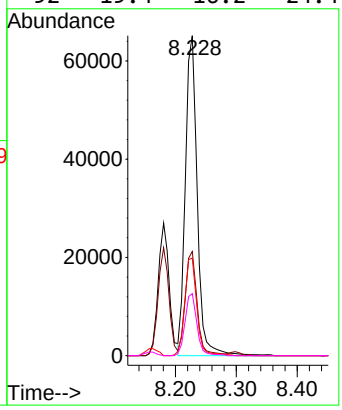


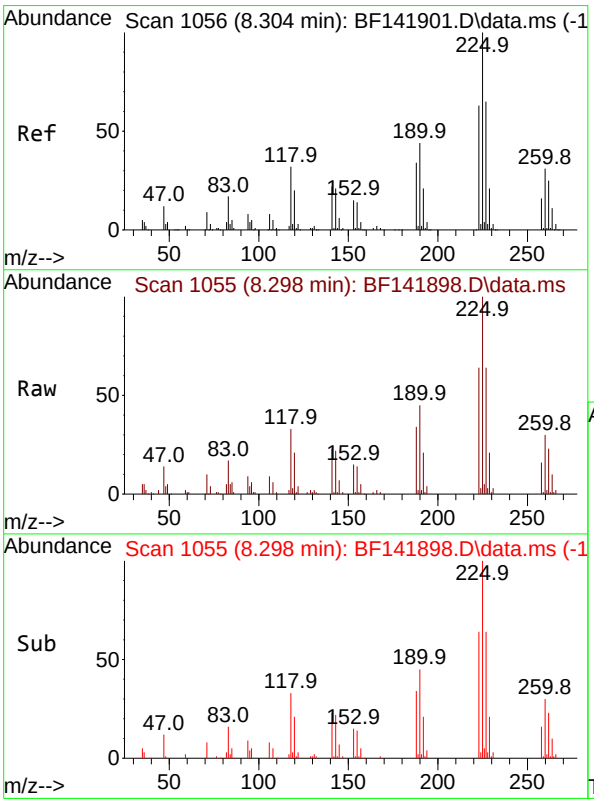
#33
4-Chloroaniline
Concen: 5.294 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 88635

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.2	39.4
65	30.5	25.4	38.2
92	19.4	16.2	24.4

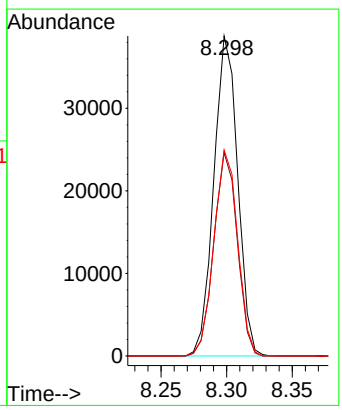


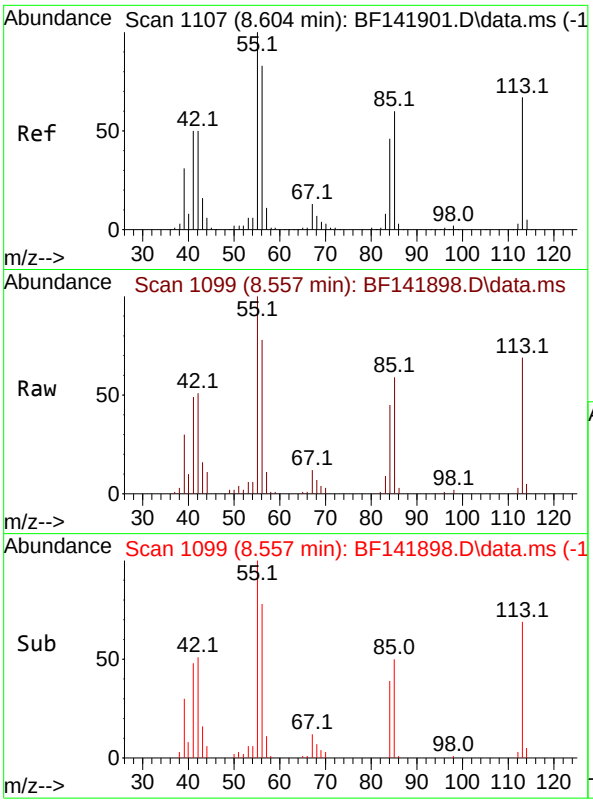


#34
Hexachlorobutadiene
Concen: 4.966 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:225 Resp: 48885

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.6	75.8
227	64.4	52.2	78.2



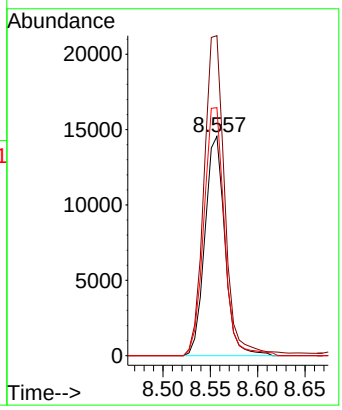


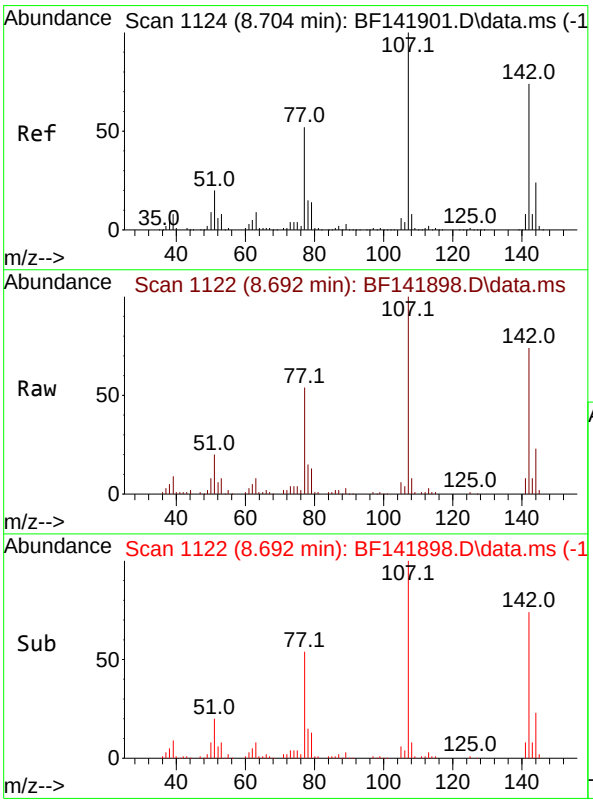
#35
Caprolactam
Concen: 5.118 ng
RT: 8.557 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 21358

Ion	Ratio	Lower	Upper
113	100		
55	145.9	129.6	169.6
56	113.1	104.0	144.0

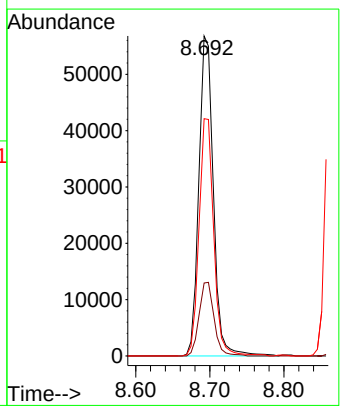


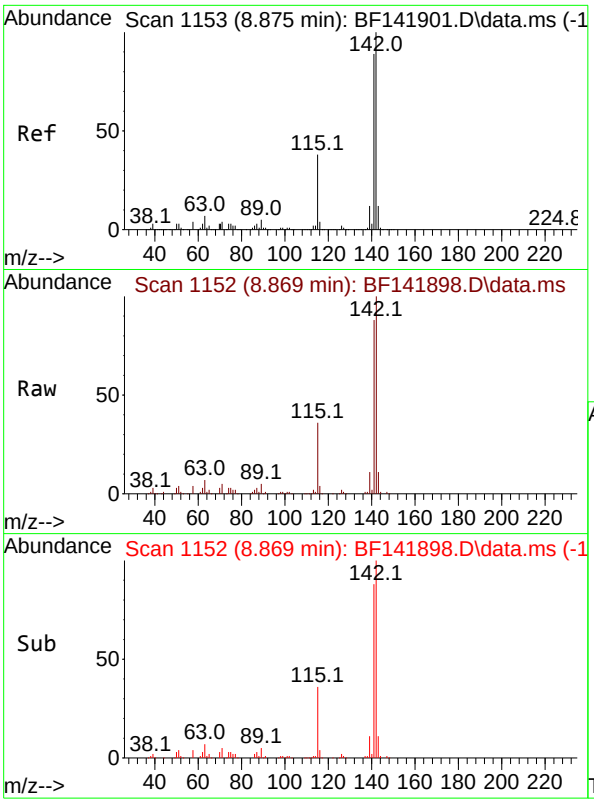


#36
4-Chloro-3-methylphenol
Concen: 5.070 ng
RT: 8.692 min Scan# 1122
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:107 Resp: 77370

Ion	Ratio	Lower	Upper
107	100		
144	22.8	19.0	28.6
142	74.2	59.2	88.8



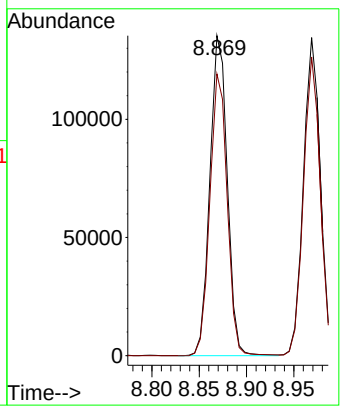


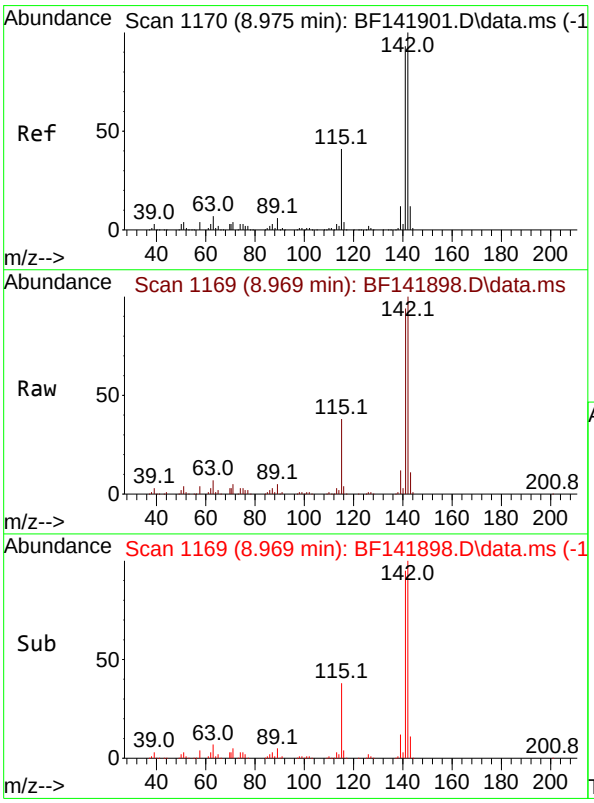
#37
2-Methylnaphthalene
Concen: 5.427 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 172734

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.2	106.8

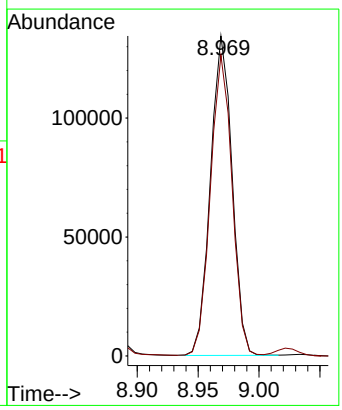


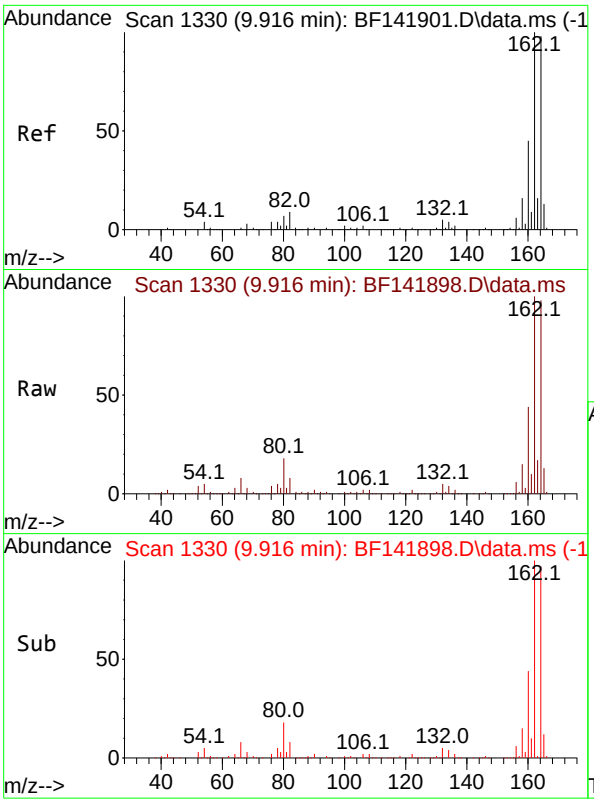


#38
1-Methylnaphthalene
Concen: 5.387 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:142 Resp: 166050

Ion	Ratio	Lower	Upper
142	100		
141	93.9	74.2	111.4



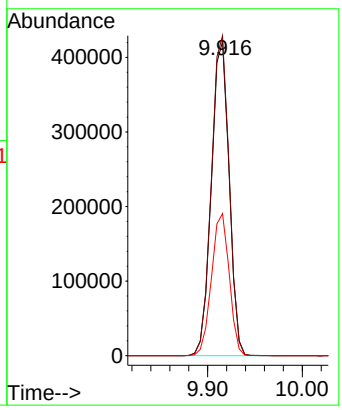


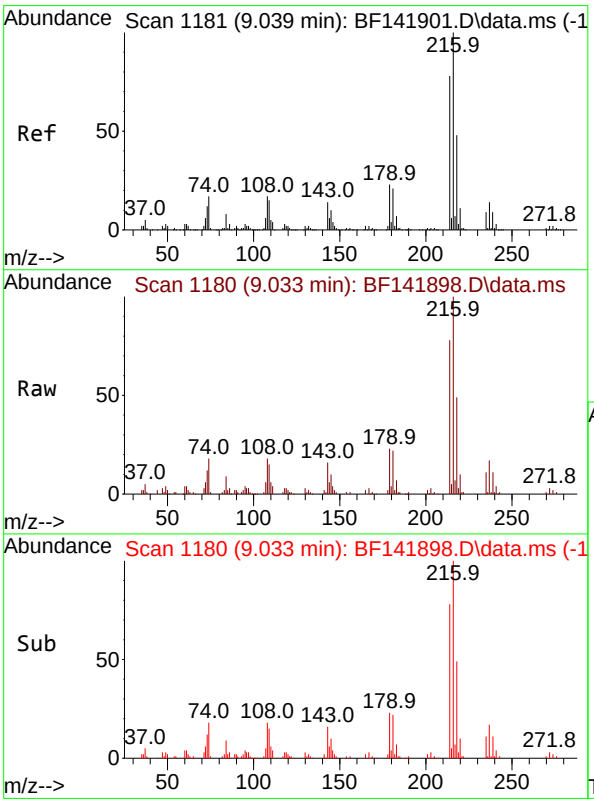
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 546702

Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.8	122.6
160	45.2	36.7	55.1

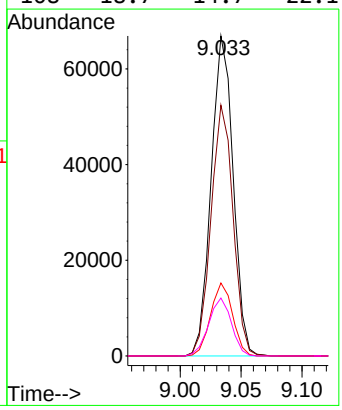


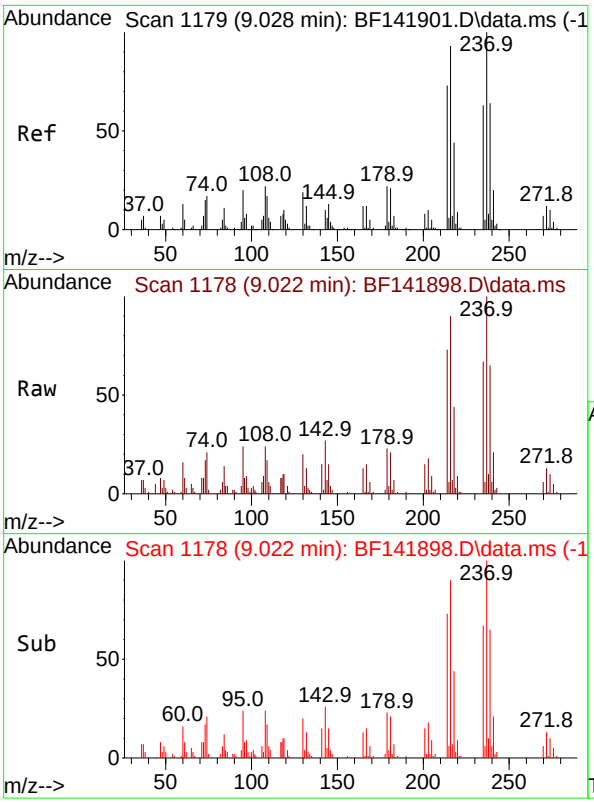


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.041 ng
RT: 9.033 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:216 Resp: 84034

Ion	Ratio	Lower	Upper
216	100		
214	78.6	61.9	92.9
179	22.8	18.1	27.1
108	18.7	14.7	22.1



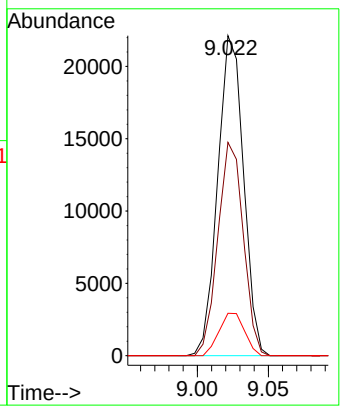


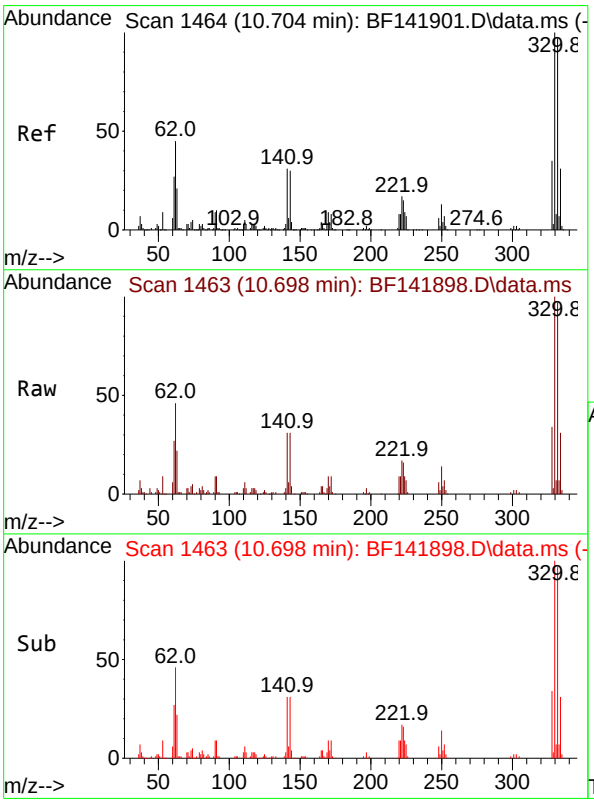
#41
Hexachlorocyclopentadiene
Concen: 4.246 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 27931

Ion	Ratio	Lower	Upper
237	100		
235	66.6	43.1	83.1
272	13.2	0.0	32.0

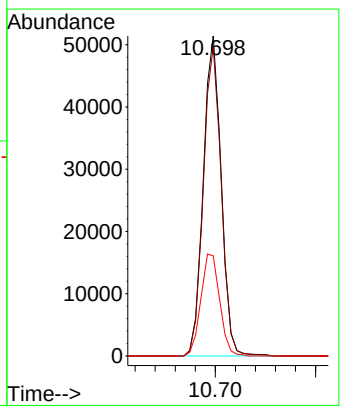


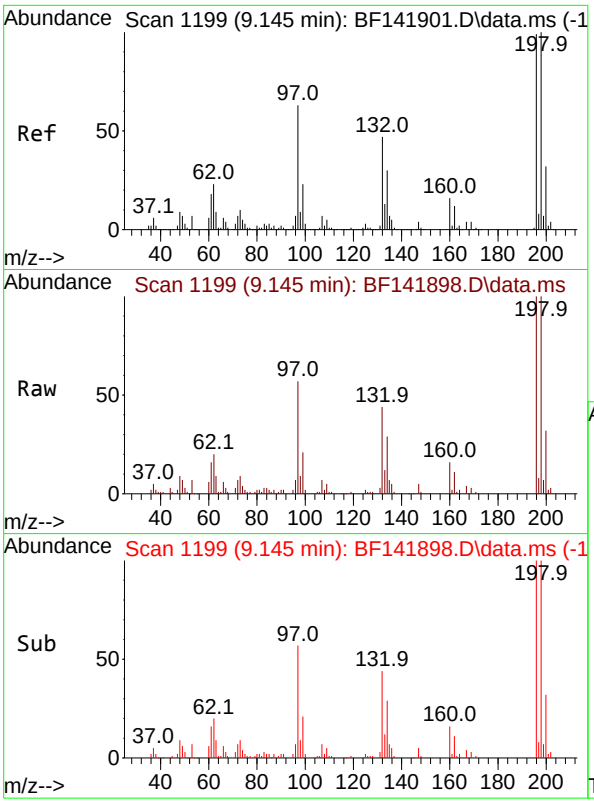


#42
2,4,6-Tribromophenol
Concen: 9.238 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:330 Resp: 63996

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.6	116.4
141	33.4	24.7	37.1



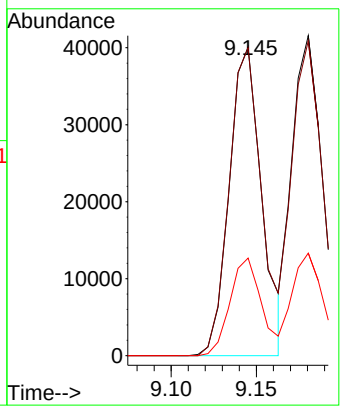


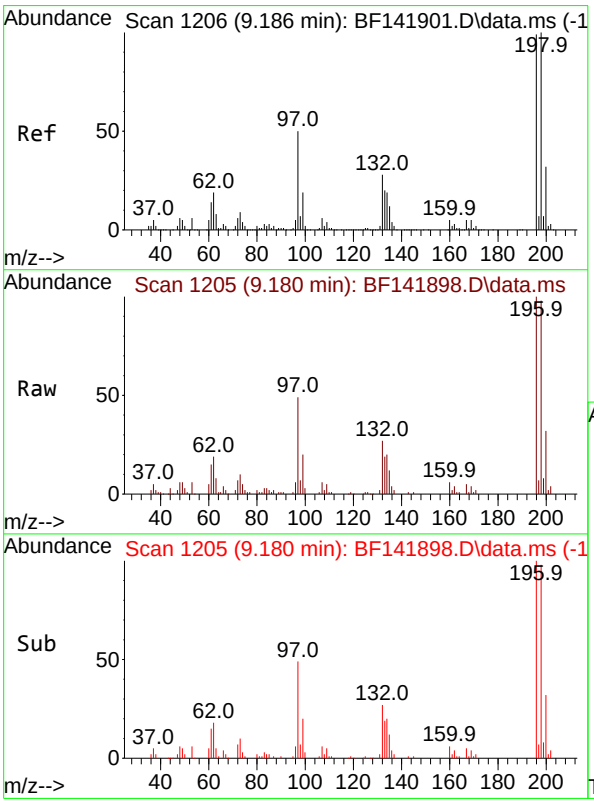
#43
2,4,6-Trichlorophenol
Concen: 4.877 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 52998

Ion	Ratio	Lower	Upper
196	100		
198	99.7	80.6	121.0
200	31.6	25.8	38.6

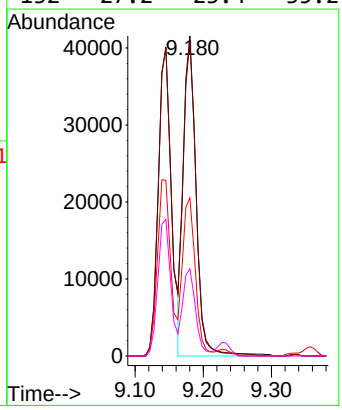


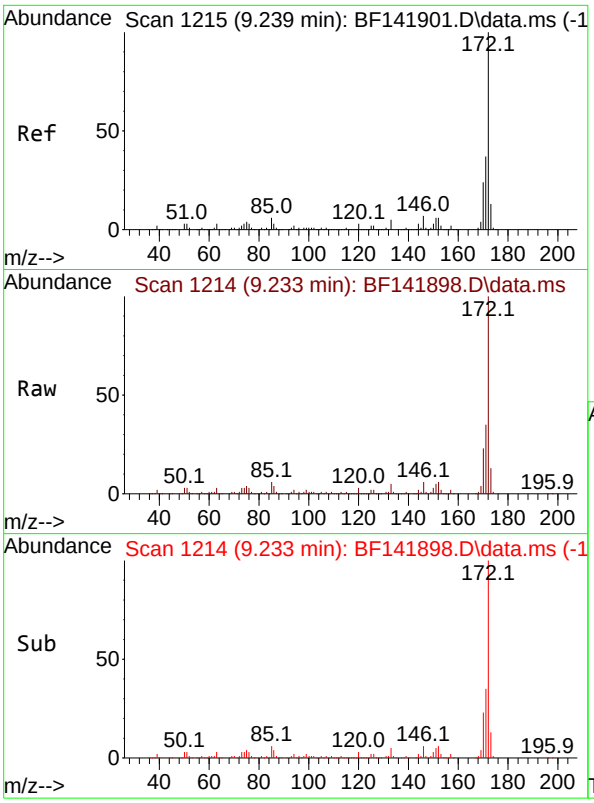


#44
2,4,5-Trichlorophenol
Concen: 4.901 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:196 Resp: 54111

Ion	Ratio	Lower	Upper
196	100		
198	98.4	80.7	121.1
97	49.4	42.1	63.1
132	27.2	23.4	35.2



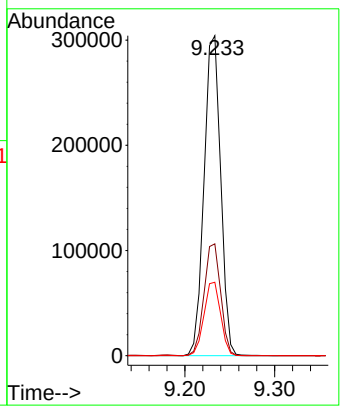


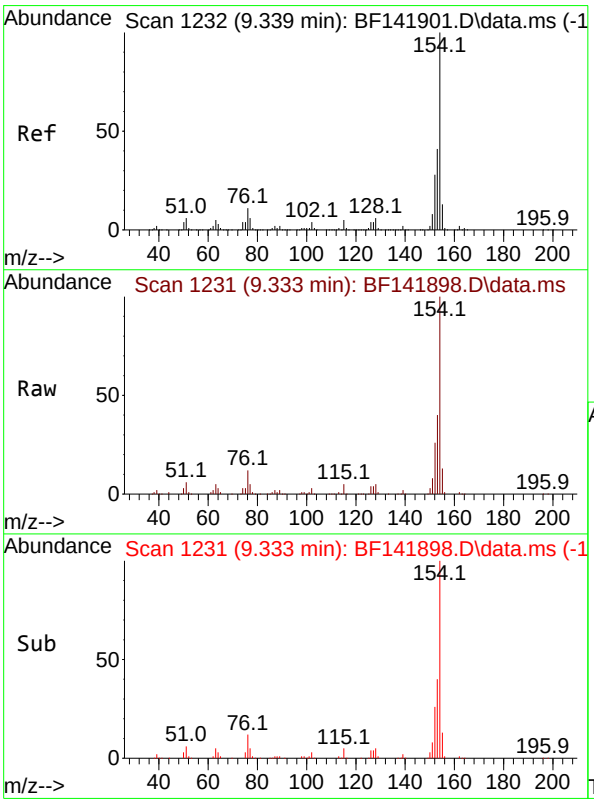
#45
2-Fluorobiphenyl
Concen: 10.888 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 390913

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.3	43.9
170	23.0	19.4	29.0

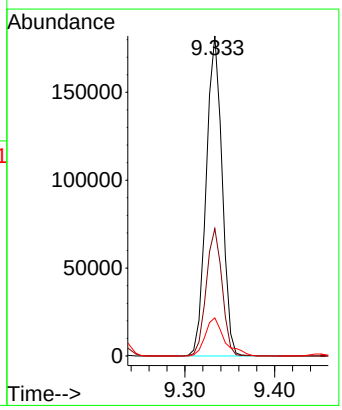


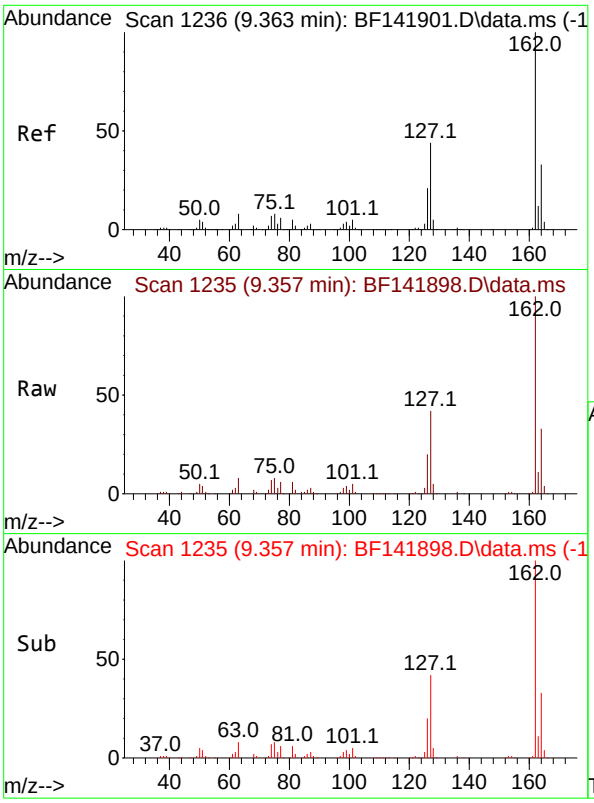


#46
1,1'-Biphenyl
Concen: 5.395 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:154 Resp: 223637

Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.1	61.1
76	11.9	0.0	31.3



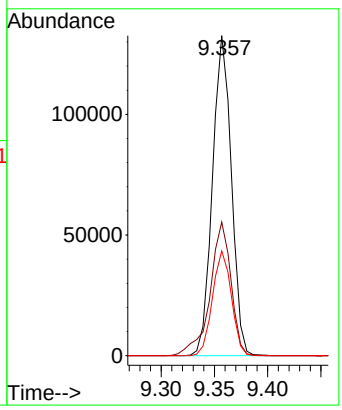


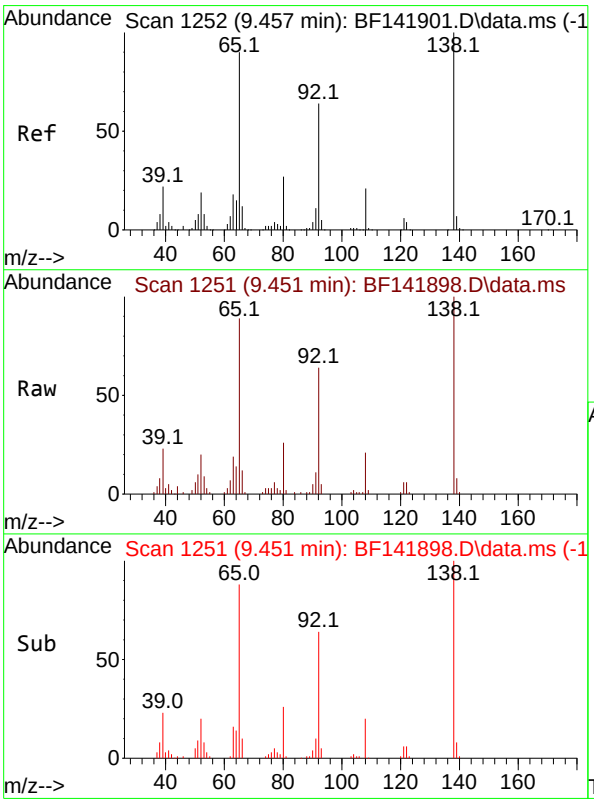
#47
2-Chloronaphthalene
Concen: 5.298 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 163642

Ion	Ratio	Lower	Upper
162	100		
127	41.7	35.5	53.3
164	32.8	26.6	40.0

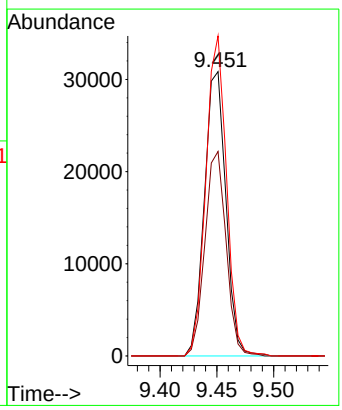


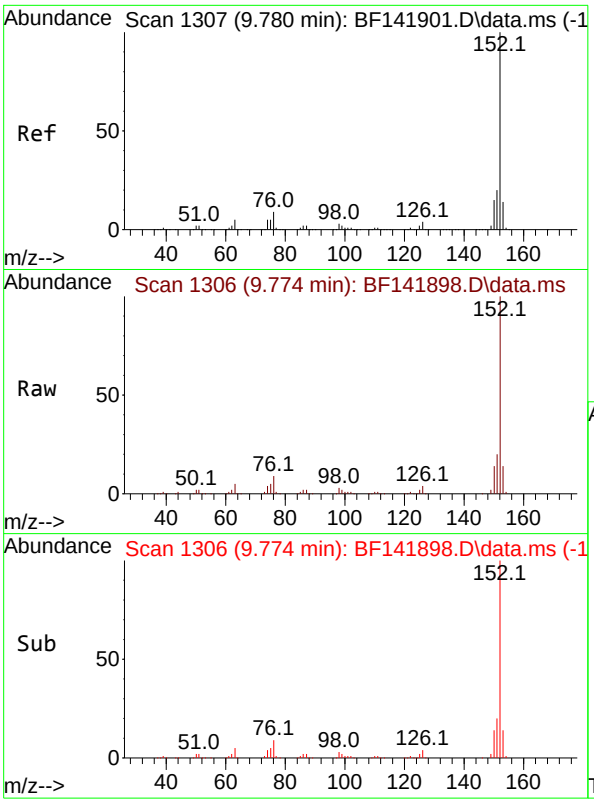


#48
2-Nitroaniline
Concen: 4.561 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 65 Resp: 40475

Ion	Ratio	Lower	Upper
65	100		
92	71.9	56.6	84.8
138	112.5	88.6	133.0



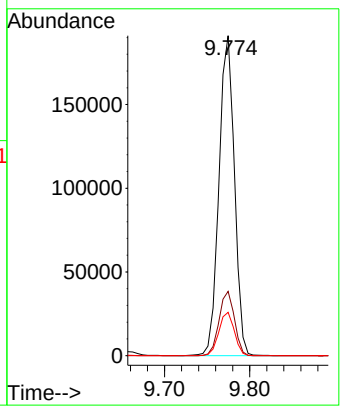


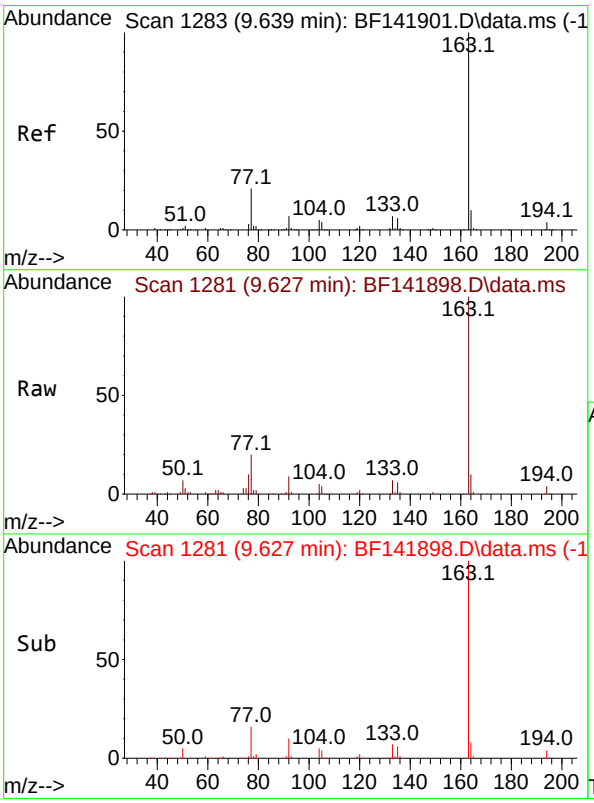
#49
Acenaphthylene
Concen: 5.268 ng
RT: 9.774 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 241253

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	13.6	11.1	16.7

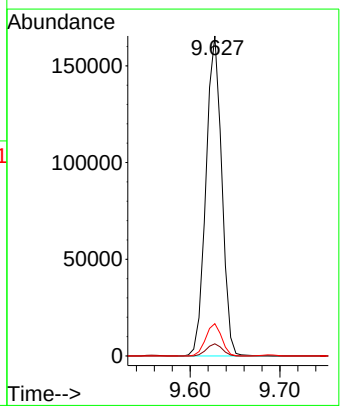


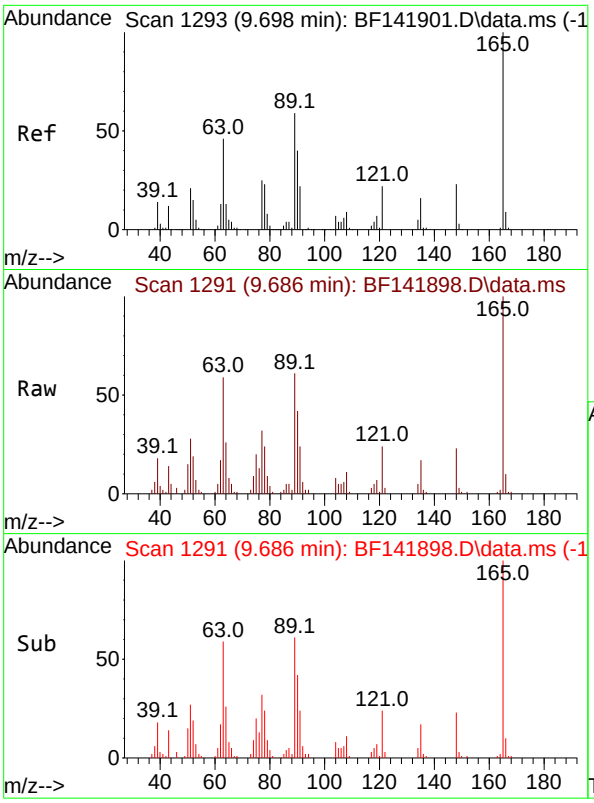


#50
Dimethylphthalate
Concen: 5.328 ng
RT: 9.627 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:163 Resp: 202373

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.1	8.2	12.4



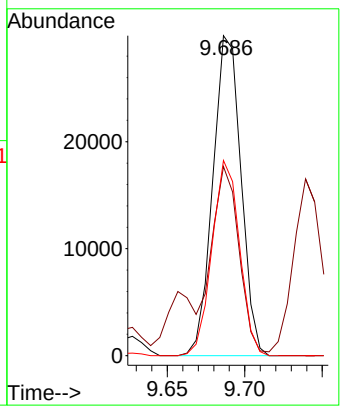


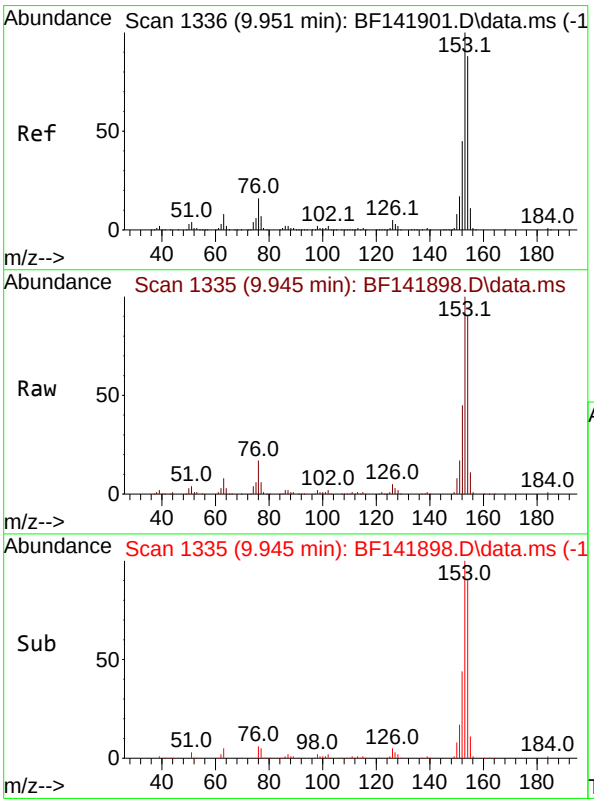
#51
2,6-Dinitrotoluene
Concen: 4.785 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 37796

Ion	Ratio	Lower	Upper
165	100		
63	59.1	47.0	70.4
89	61.0	47.4	71.2

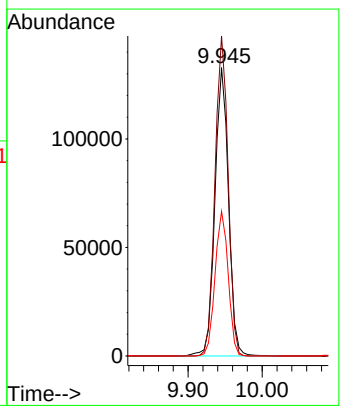


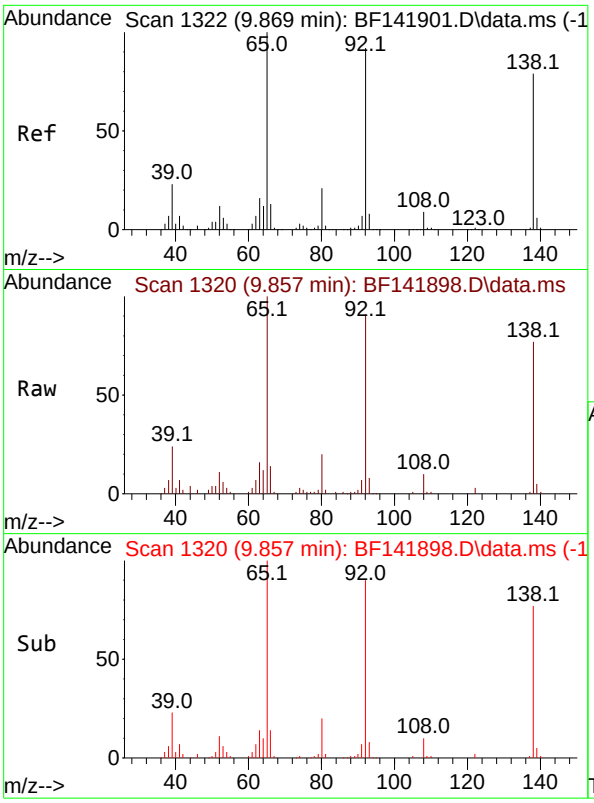


#52
Acenaphthene
Concen: 5.225 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:154 Resp: 168975

Ion	Ratio	Lower	Upper
154	100		
153	111.0	90.7	136.1
152	50.2	41.1	61.7



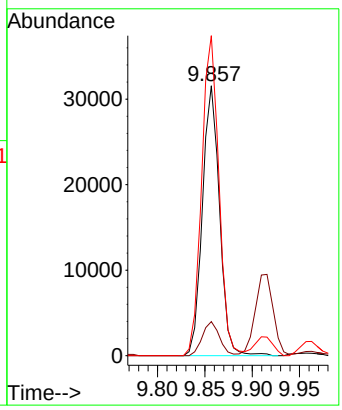


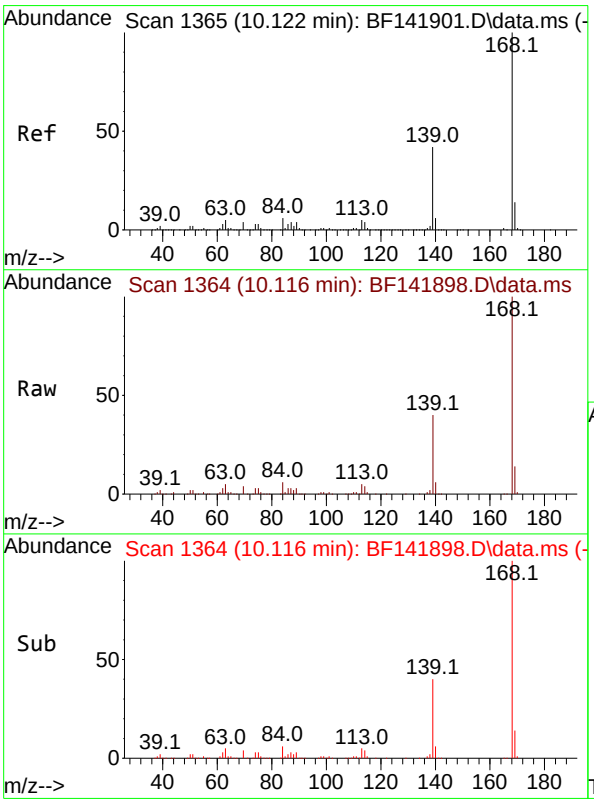
#53
3-Nitroaniline
Concen: 4.902 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 39761

Ion	Ratio	Lower	Upper
138	100		
108	12.6	9.3	13.9
92	118.6	93.5	140.3

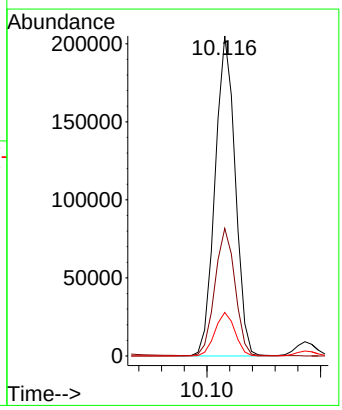


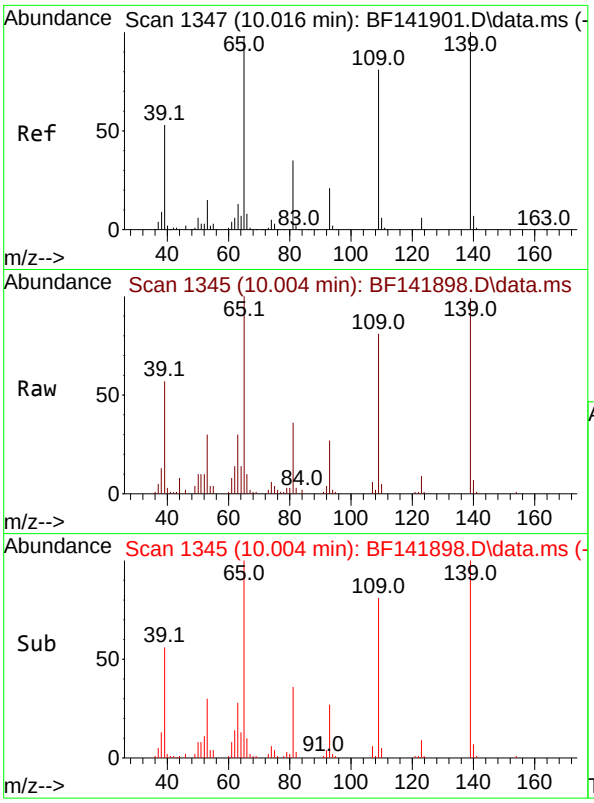


#55
Dibenzofuran
Concen: 5.481 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:168 Resp: 252715

Ion	Ratio	Lower	Upper
168	100		
139	39.8	33.9	50.9
169	13.6	11.0	16.4



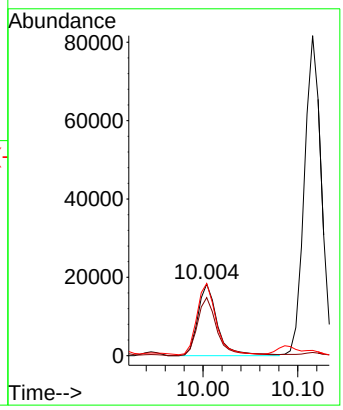


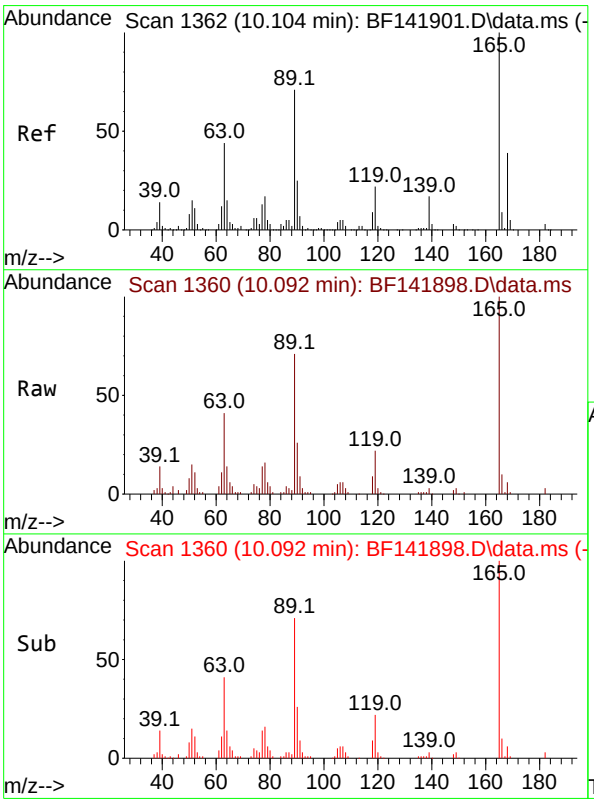
#56
4-Nitrophenol
Concen: 4.309 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 26252

Ion	Ratio	Lower	Upper
139	100		
109	81.1	61.6	101.6
65	100.7	79.4	119.4

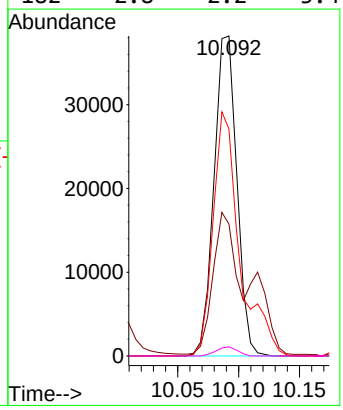


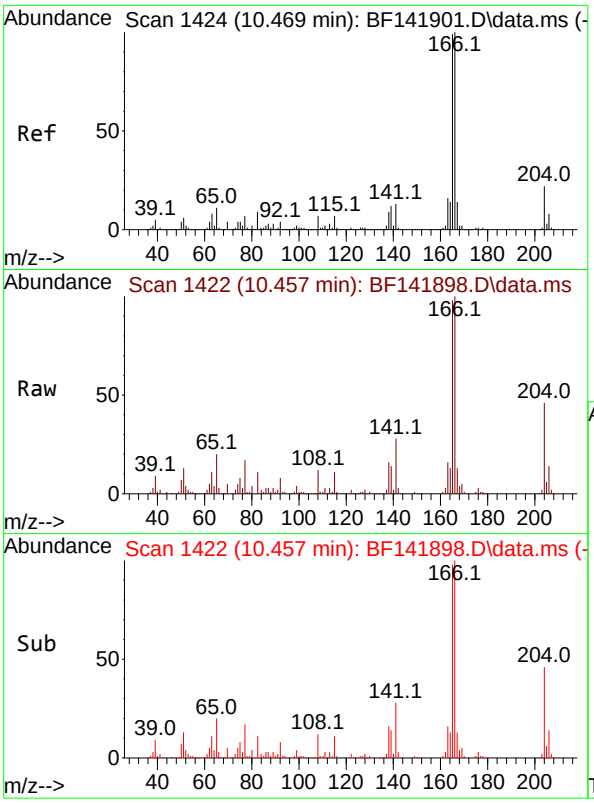


#57
2,4-Dinitrotoluene
Concen: 4.800 ng
RT: 10.092 min Scan# 1360
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:165 Resp: 49913

Ion	Ratio	Lower	Upper
165	100		
63	41.2	35.4	53.2
89	70.9	56.6	84.8
182	2.8	2.2	3.4



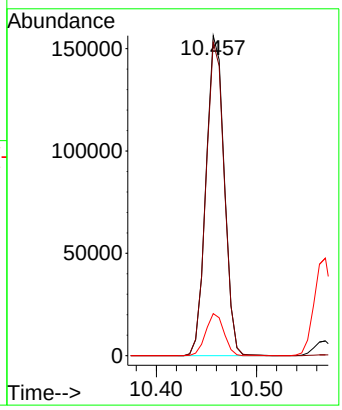


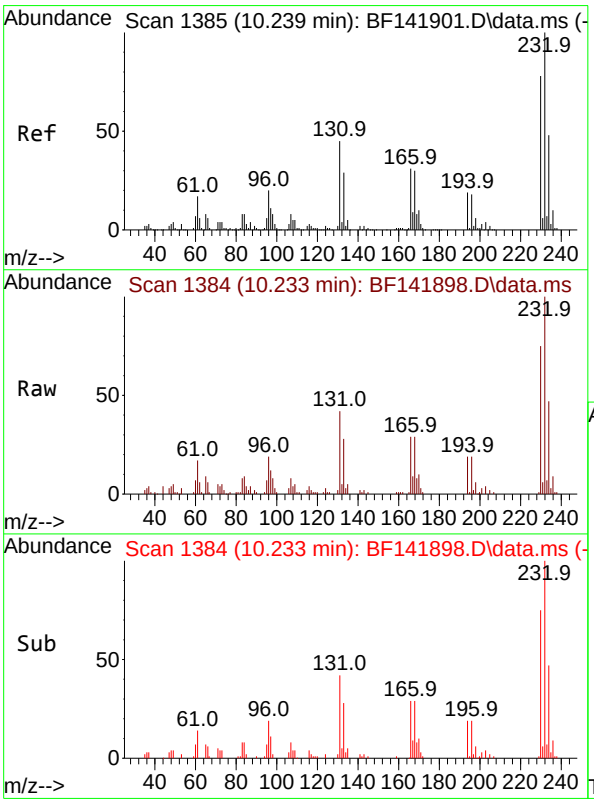
#58
Fluorene
Concen: 5.542 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 197266

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.0	118.4
167	13.2	11.0	16.4

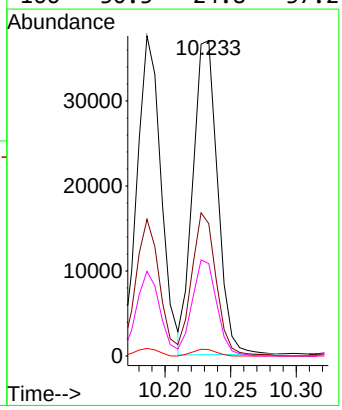


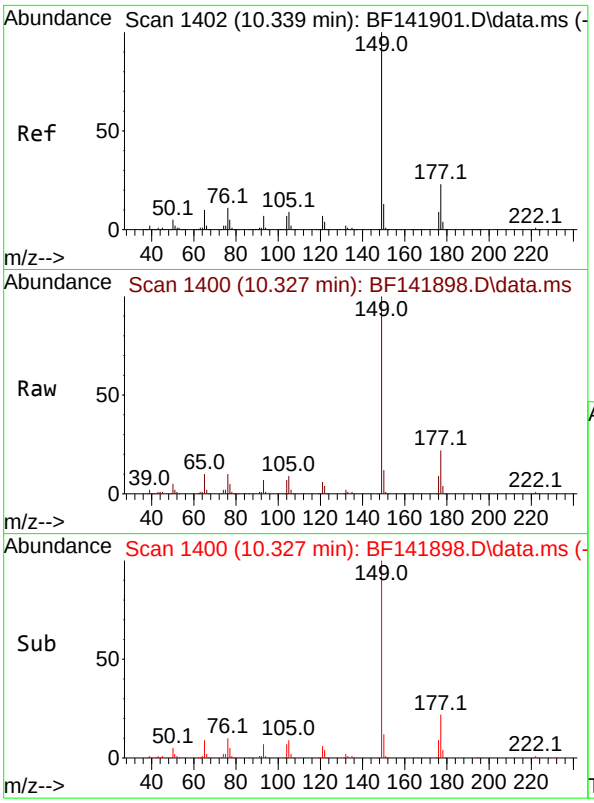


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.839 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:232 Resp: 48472

Ion	Ratio	Lower	Upper
232	100		
131	44.9	37.3	55.9
130	2.1	1.9	2.9
166	30.3	24.8	37.2



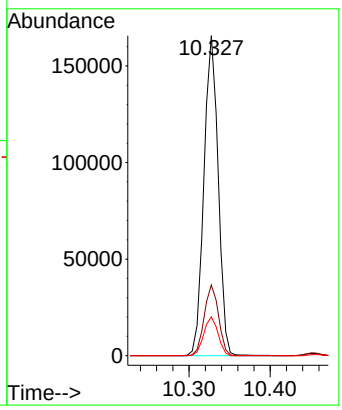


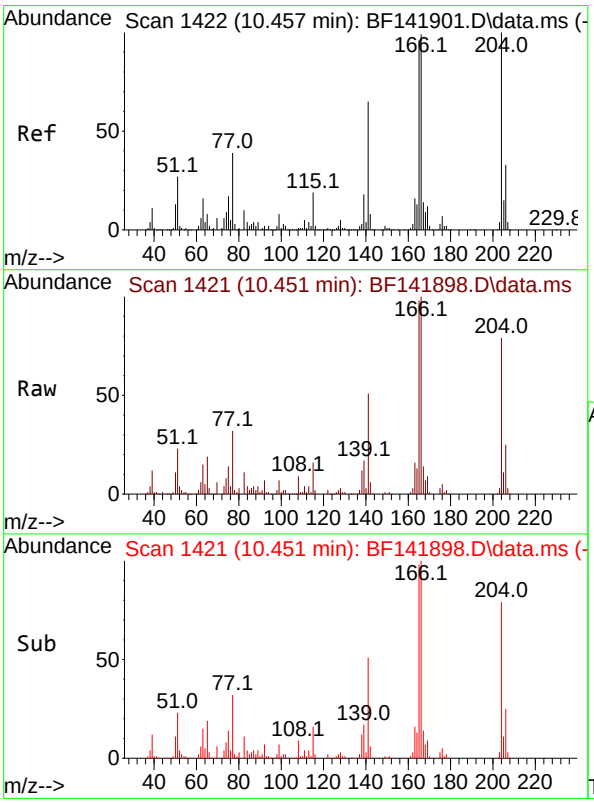
#60
Diethylphthalate
Concen: 5.286 ng
RT: 10.327 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 201554

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.0	27.0
150	12.1	10.2	15.4

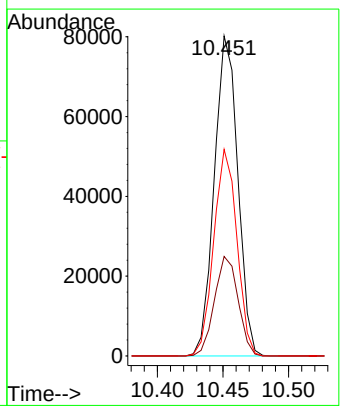


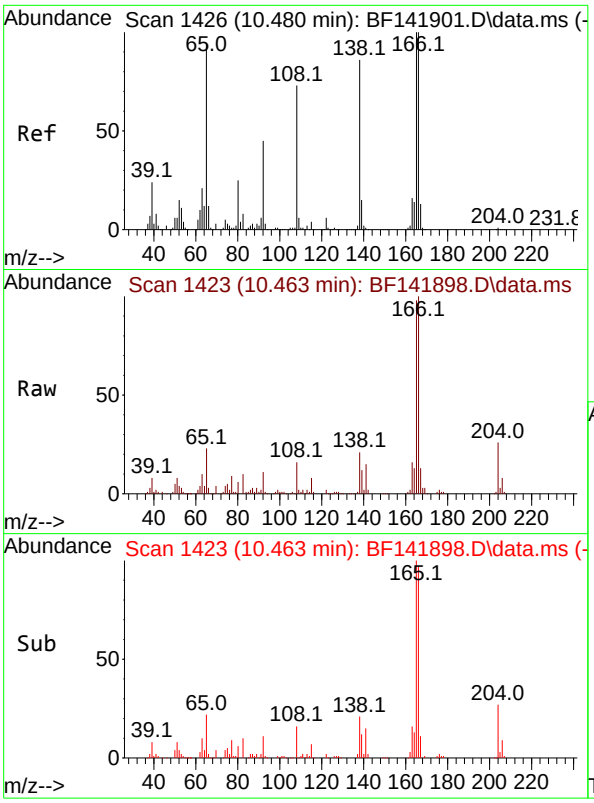


#61
4-Chlorophenyl-phenylether
Concen: 5.380 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:204 Resp: 99747

Ion	Ratio	Lower	Upper
204	100		
206	31.1	26.8	40.2
141	64.5	52.4	78.6



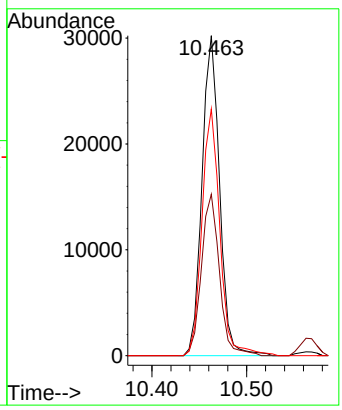


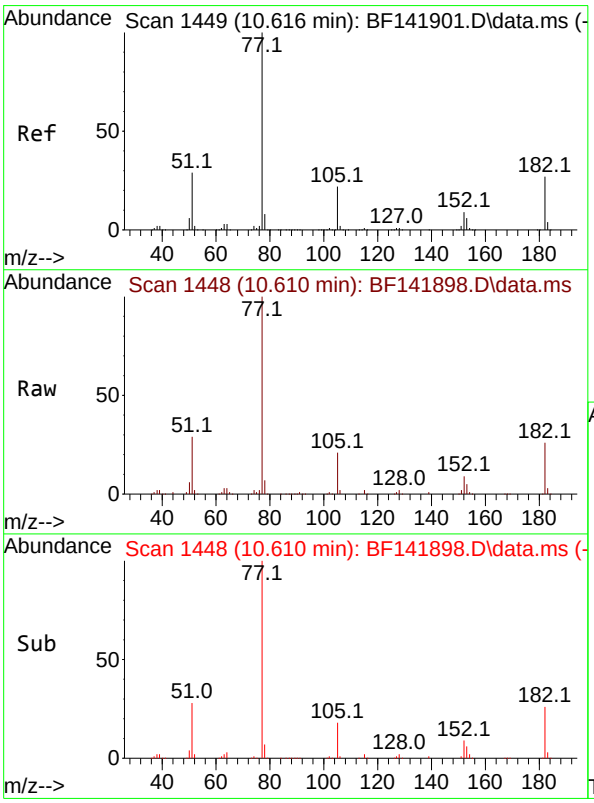
#62
4-Nitroaniline
Concen: 4.945 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 38863

Ion	Ratio	Lower	Upper
138	100		
92	50.5	32.6	72.6
108	77.1	65.0	105.0

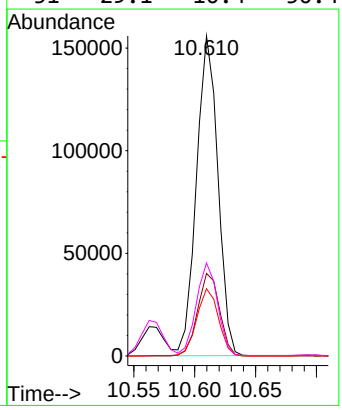


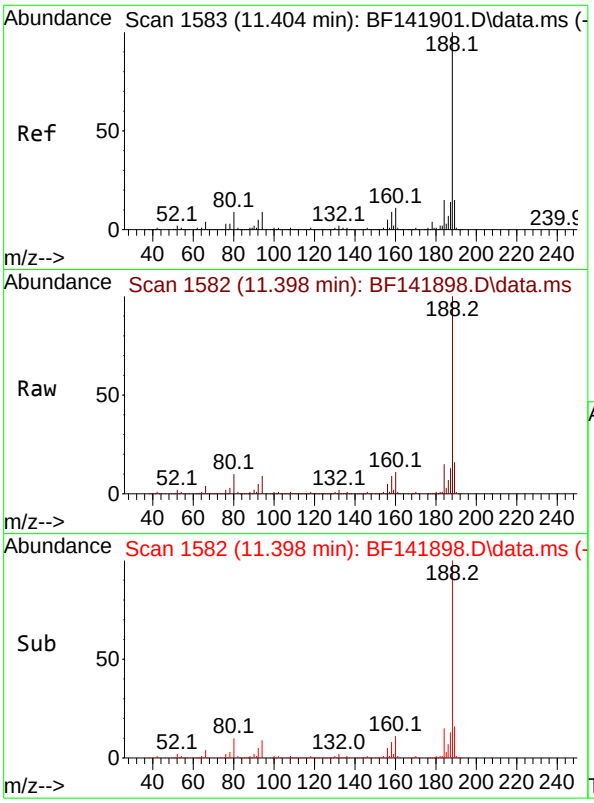


#63
Azobenzene
Concen: 5.370 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 77 Resp: 190233

Ion	Ratio	Lower	Upper
77	100		
182	25.8	6.6	46.6
105	21.0	1.3	41.3
51	29.1	10.4	50.4



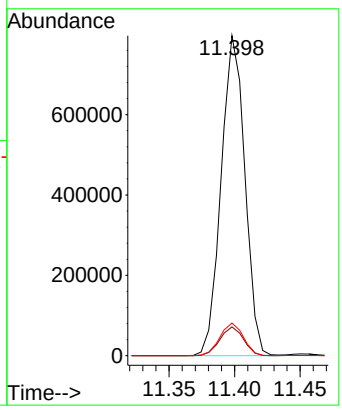


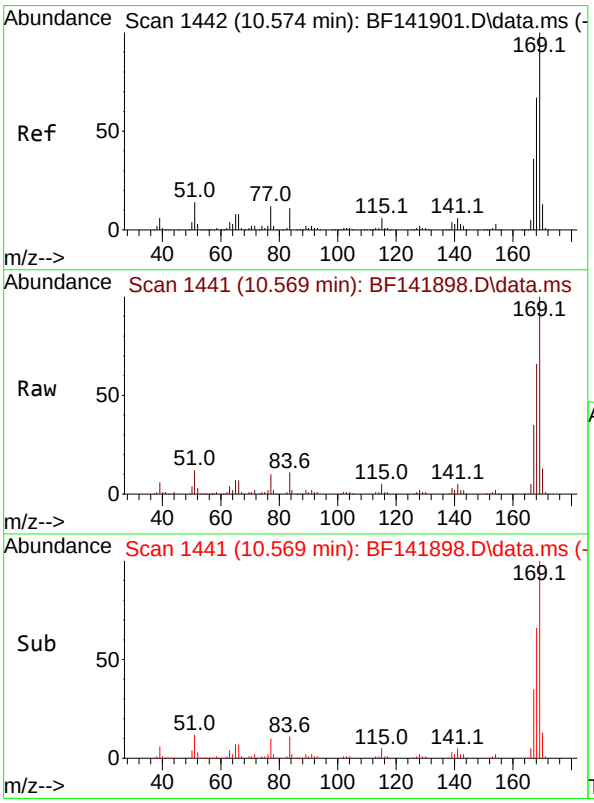
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 1002901

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.8	10.2
80	10.2	7.6	11.4

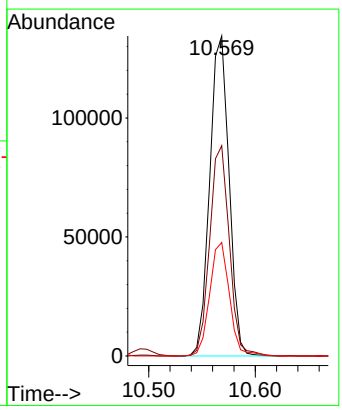


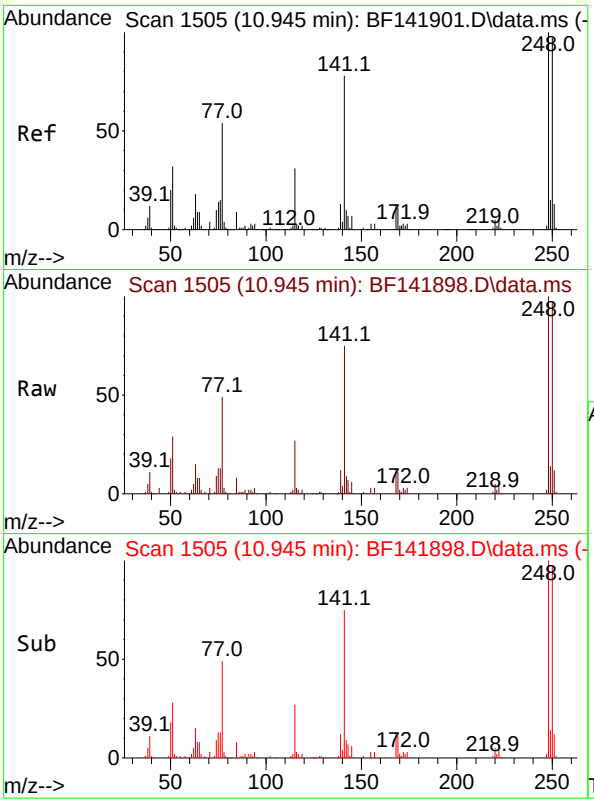


#66
n-Nitrosodiphenylamine
Concen: 5.223 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:169 Resp: 169225

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.7	80.5
167	35.5	29.2	43.8



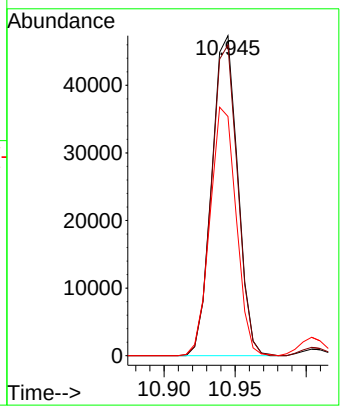


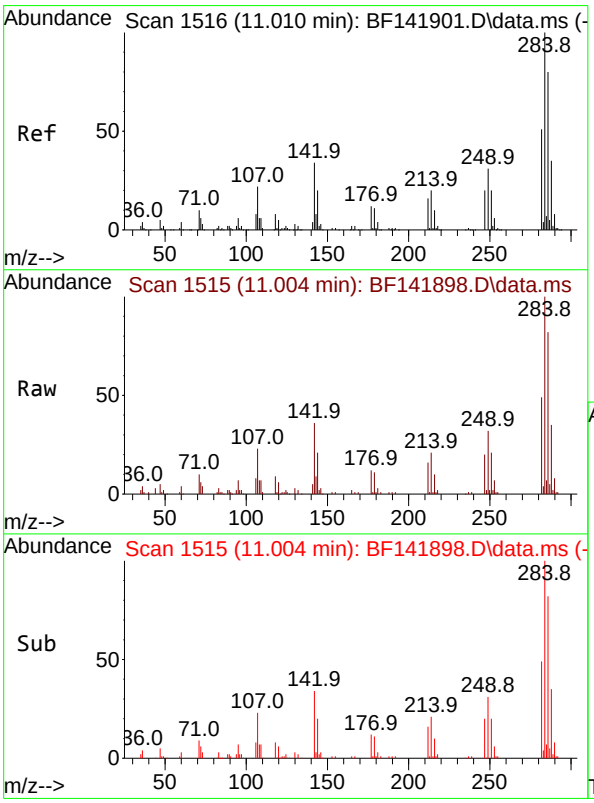
#67
4-Bromophenyl-phenylether
Concen: 4.823 ng
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 60238

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.8	116.8
141	74.7	62.6	93.8

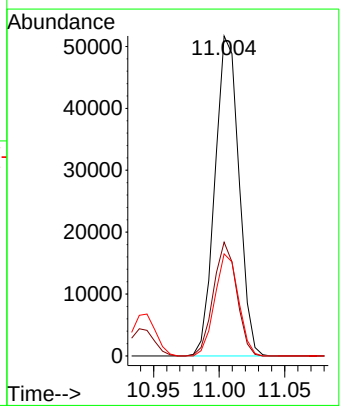


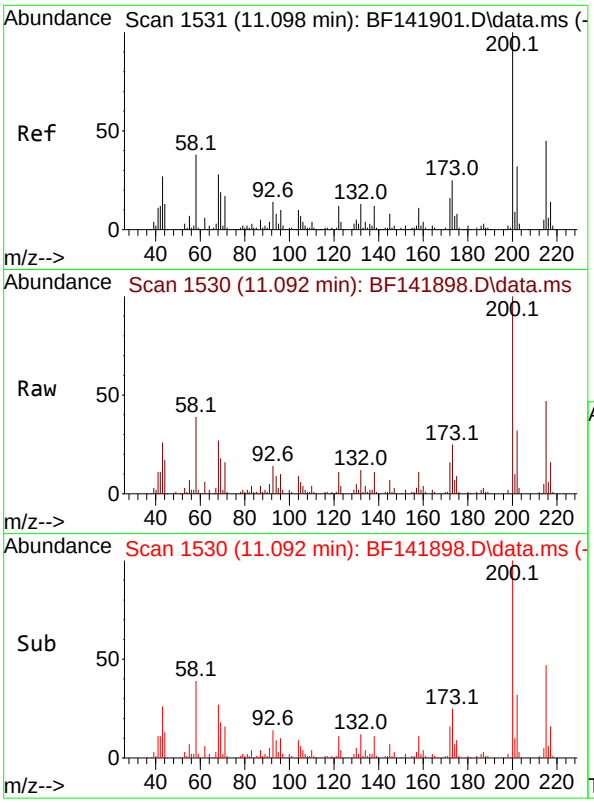


#68
Hexachlorobenzene
Concen: 4.753 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:284 Resp: 65620

Ion	Ratio	Lower	Upper
284	100		
142	35.6	27.0	40.6
249	31.9	25.2	37.8



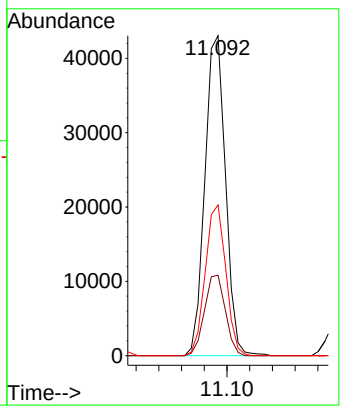


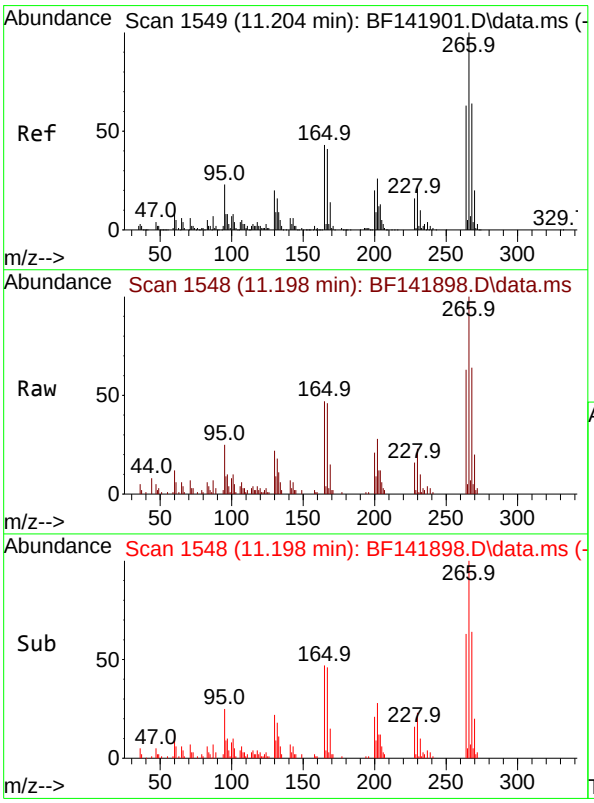
#69
Atrazine
Concen: 6.867 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 54251

Ion	Ratio	Lower	Upper
200	100		
173	25.1	4.7	44.7
215	47.1	25.4	65.4

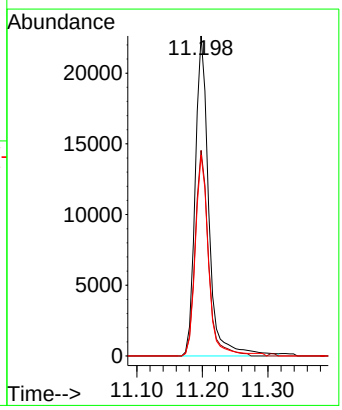


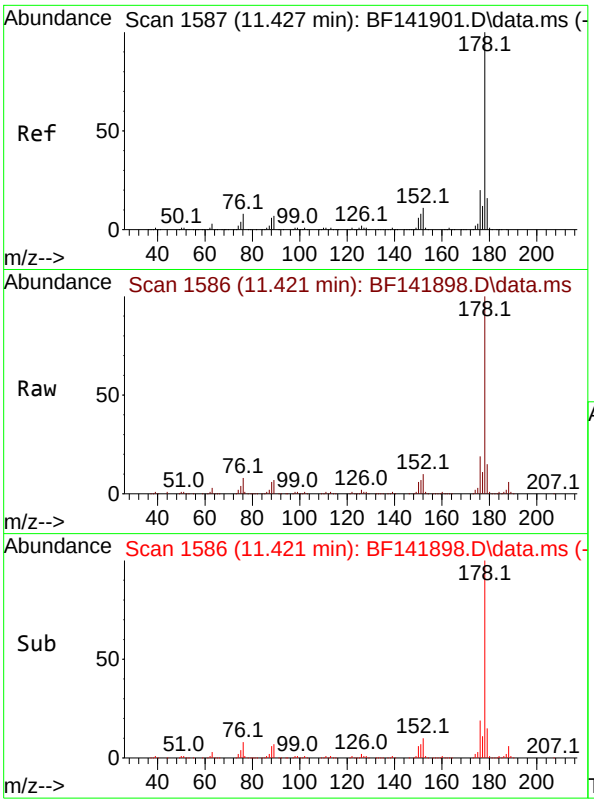


#70
Pentachlorophenol
Concen: 3.843 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:266 Resp: 32716

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.0	76.6
264	62.8	50.2	75.2



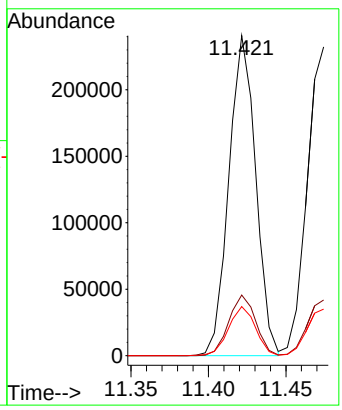


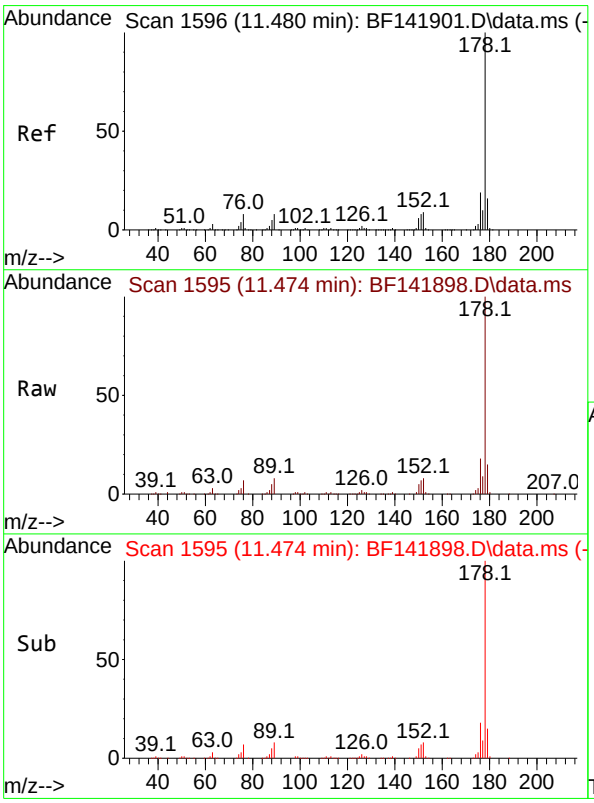
#71
Phenanthrene
Concen: 5.340 ng
RT: 11.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 289580

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.3	12.6	19.0

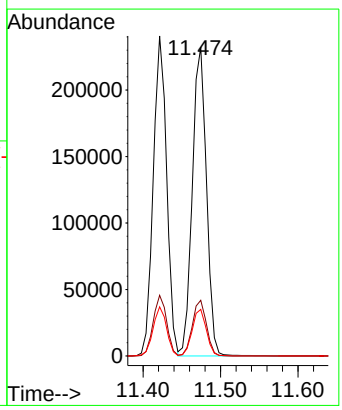


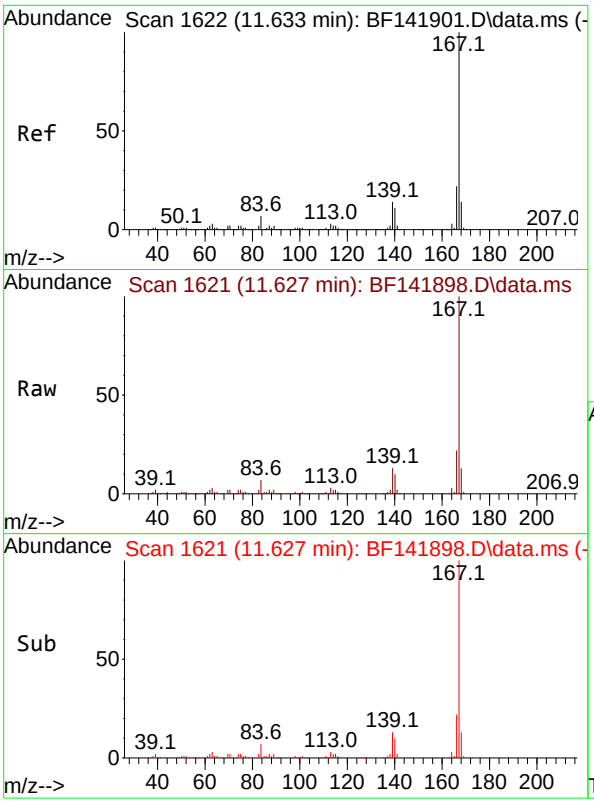


#72
Anthracene
Concen: 5.407 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:178 Resp: 294198

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.1	22.7
179	15.1	12.6	19.0



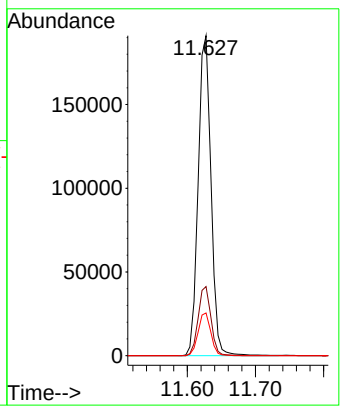


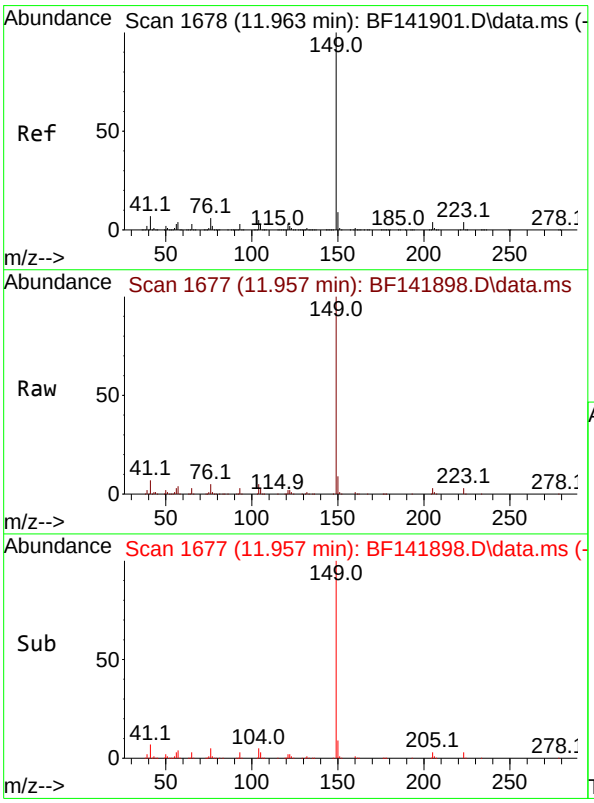
#73
Carbazole
Concen: 5.329 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 249634

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.3	11.0	16.6

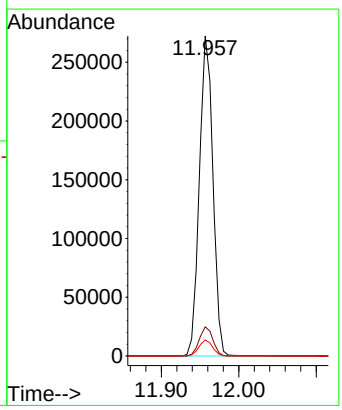


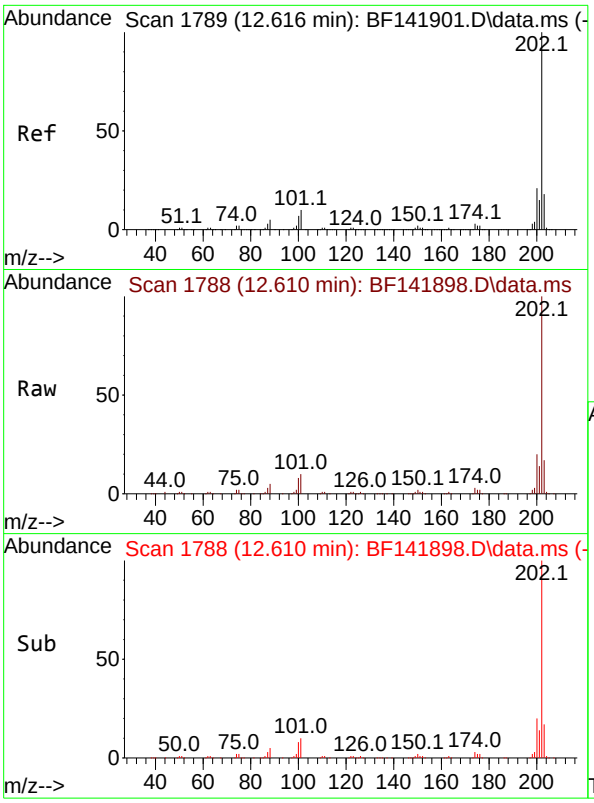


#74
Di-n-butylphthalate
Concen: 5.352 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:149 Resp: 330999

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.6	11.4
104	5.0	4.4	6.6



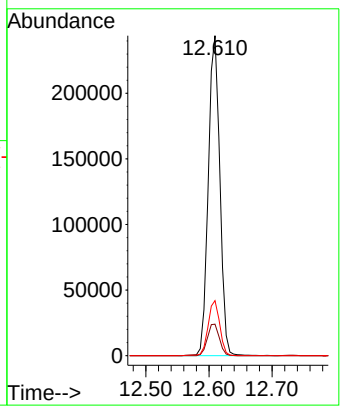


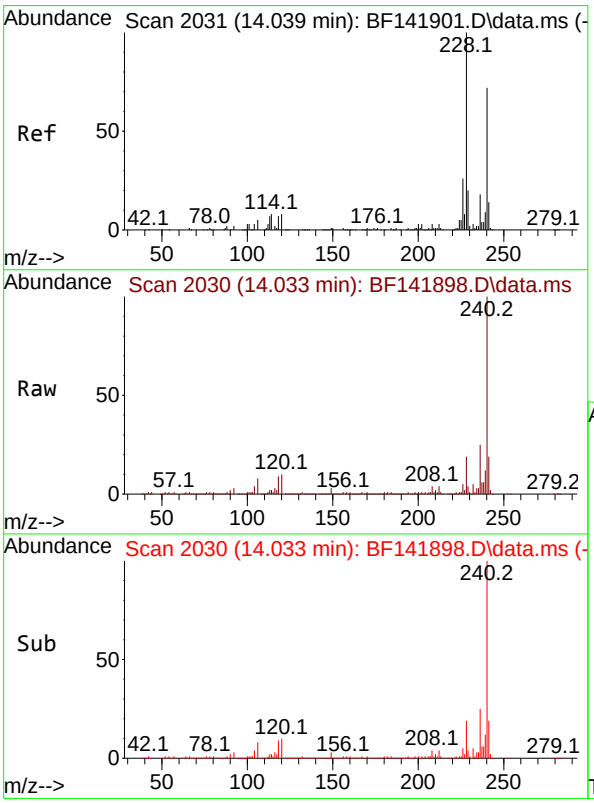
#75
Fluoranthene
Concen: 5.432 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 309273

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	29.7
203	17.2	0.0	37.8

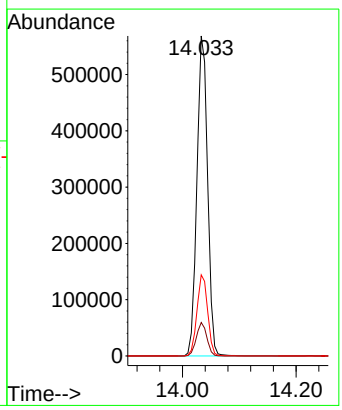


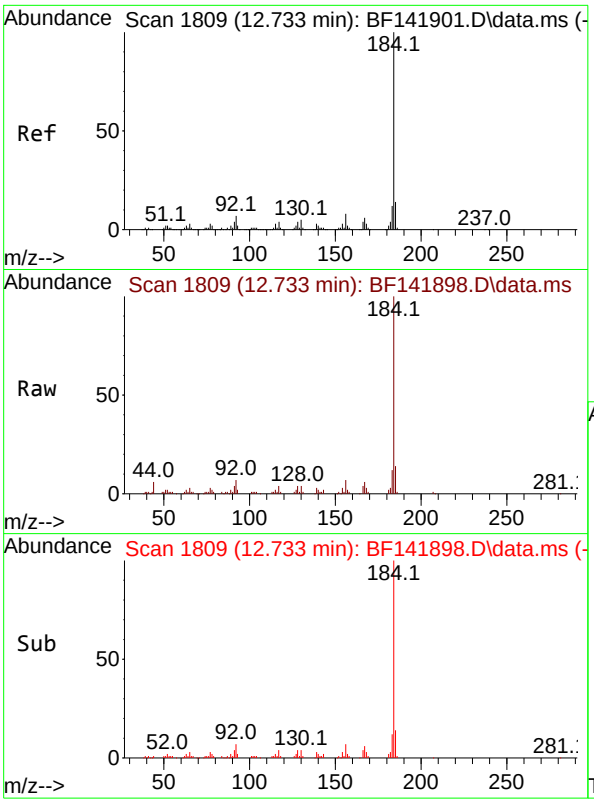


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:240 Resp: 745624

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.4	12.6
236	25.3	20.5	30.7



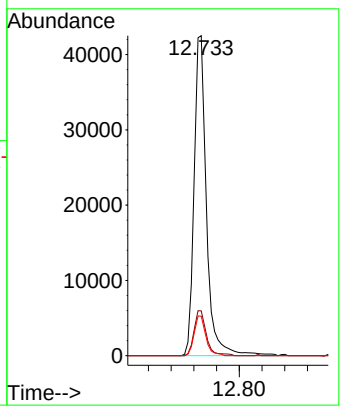


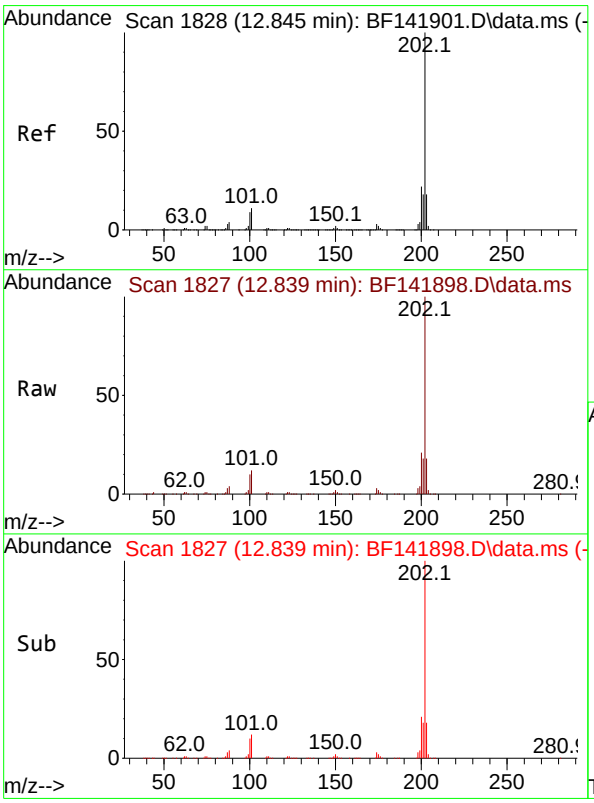
#77
Benzidine
Concen: 6.138 ng
RT: 12.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 64673

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	12.3	9.7	14.5

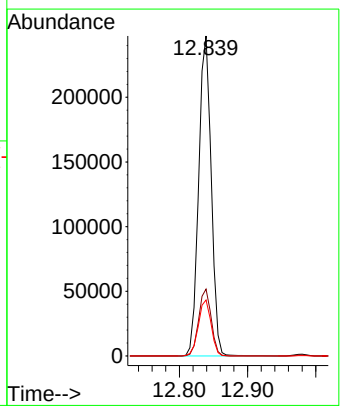


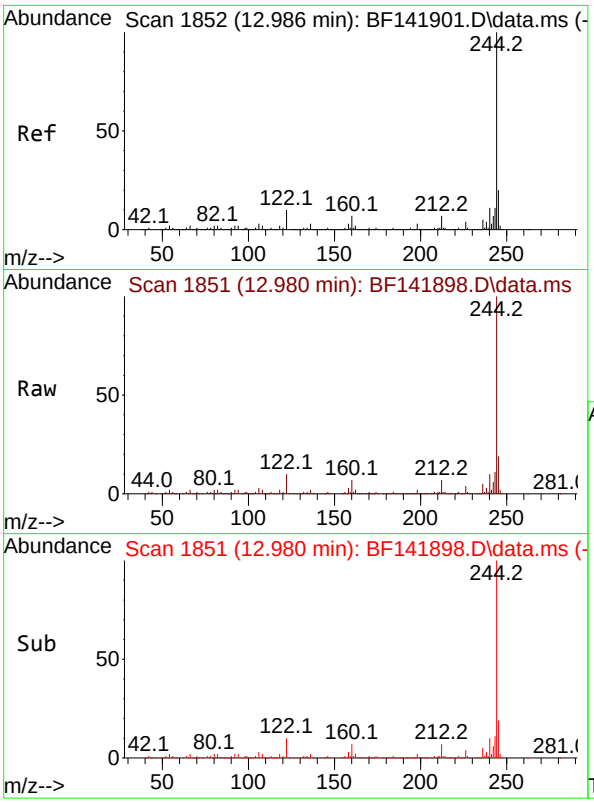


#78
Pyrene
Concen: 4.941 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:202 Resp: 315969

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.3	25.9
203	17.5	14.4	21.6



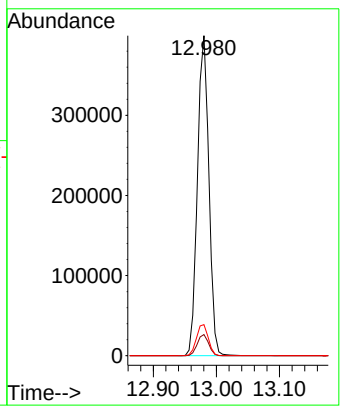


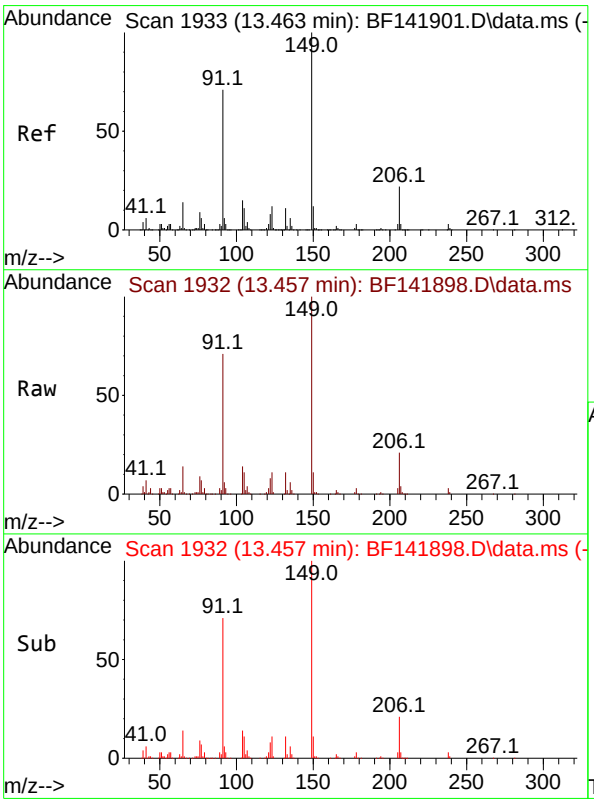
#79
Terphenyl-d14
Concen: 9.924 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 500607

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	9.7	7.7	11.5

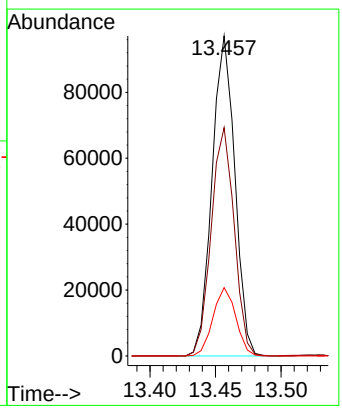


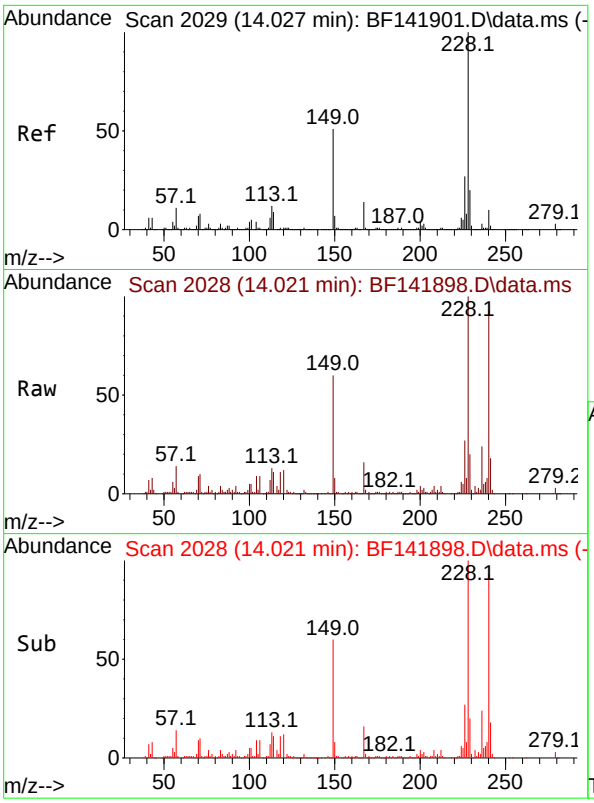


#80
Butylbenzylphthalate
Concen: 4.653 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:149 Resp: 117256

Ion	Ratio	Lower	Upper
149	100		
91	71.4	56.5	84.7
206	21.4	17.3	25.9



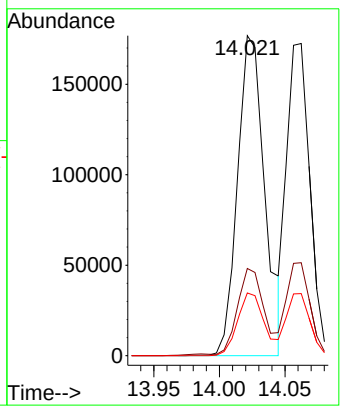


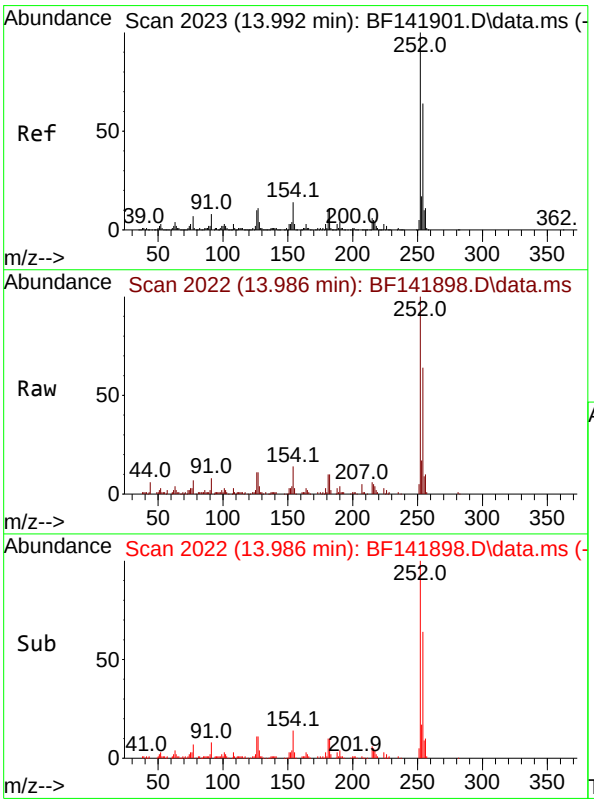
#81
Benzo(a)anthracene
Concen: 5.205 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 255308

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.6	16.0	24.0

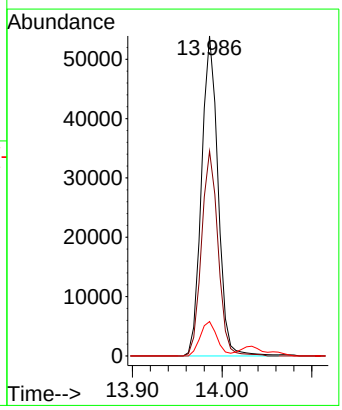


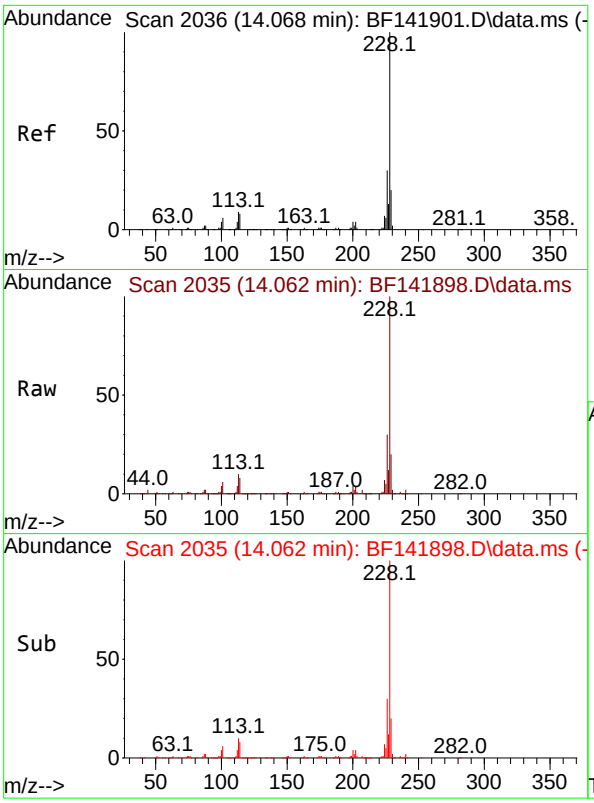


#82
3,3'-Dichlorobenzidine
Concen: 4.865 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:252 Resp: 68969

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.0	76.6
126	10.7	8.4	12.6



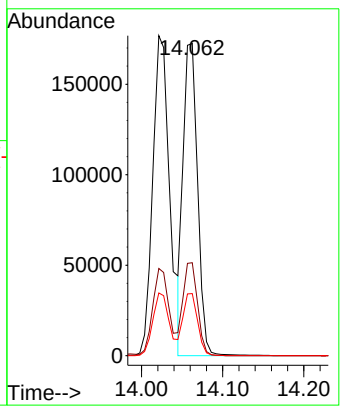


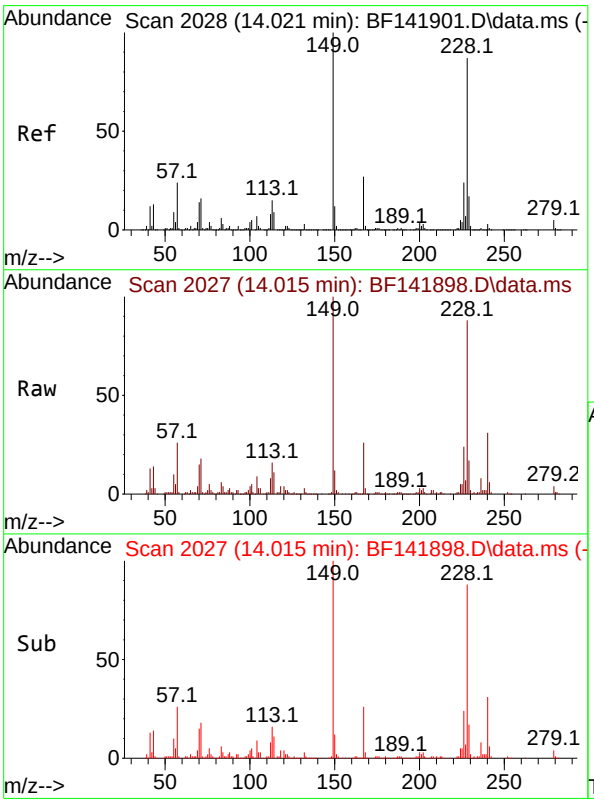
#83
Chrysene
Concen: 4.837 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 213144

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.9	15.7	23.5

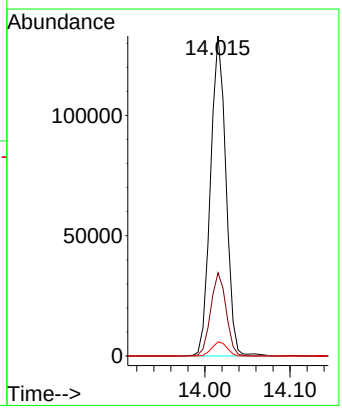


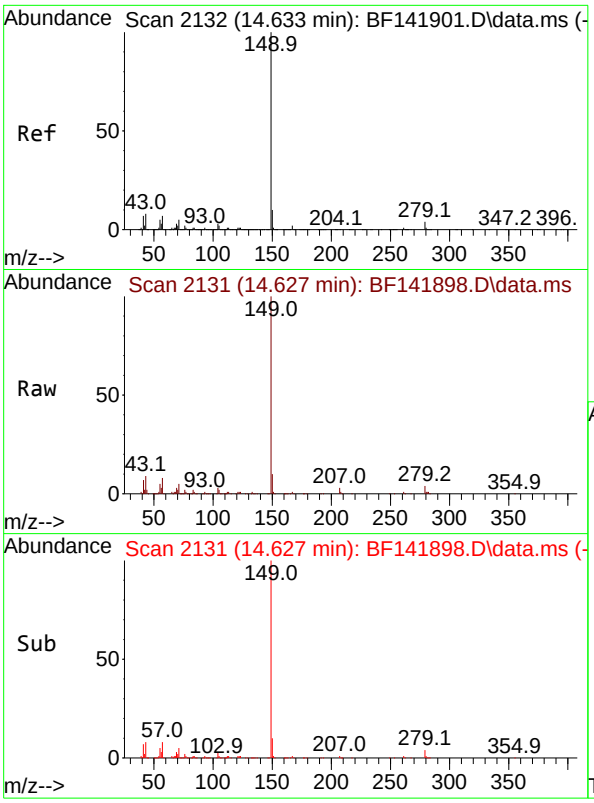


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.836 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:149 Resp: 167165

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.4	32.0
279	4.4	3.8	5.6



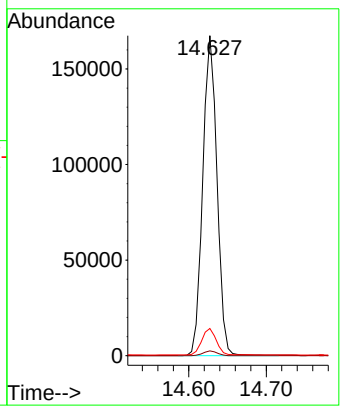


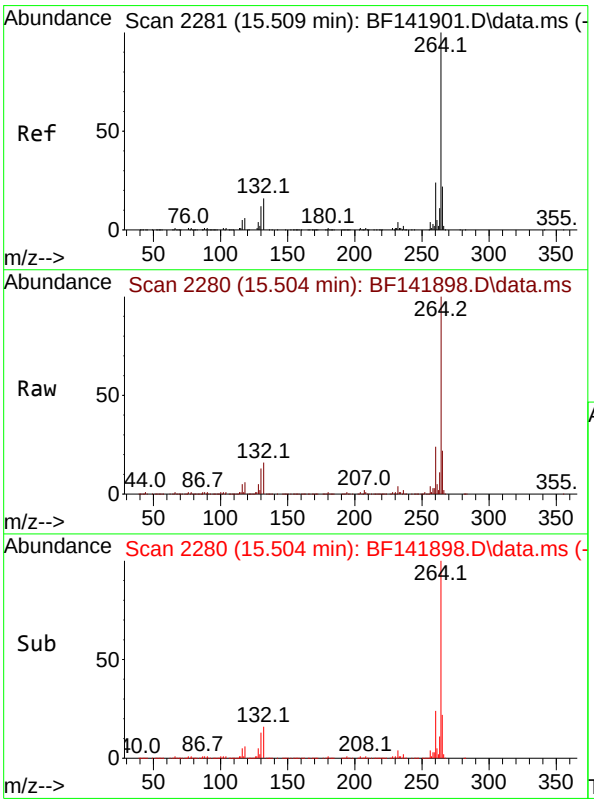
#85
Di-n-octyl phthalate
Concen: 4.435 ng
RT: 14.627 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 213395

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.4	6.9	10.3

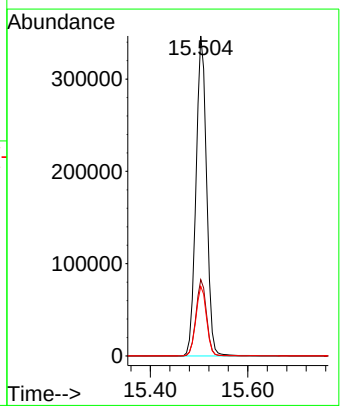


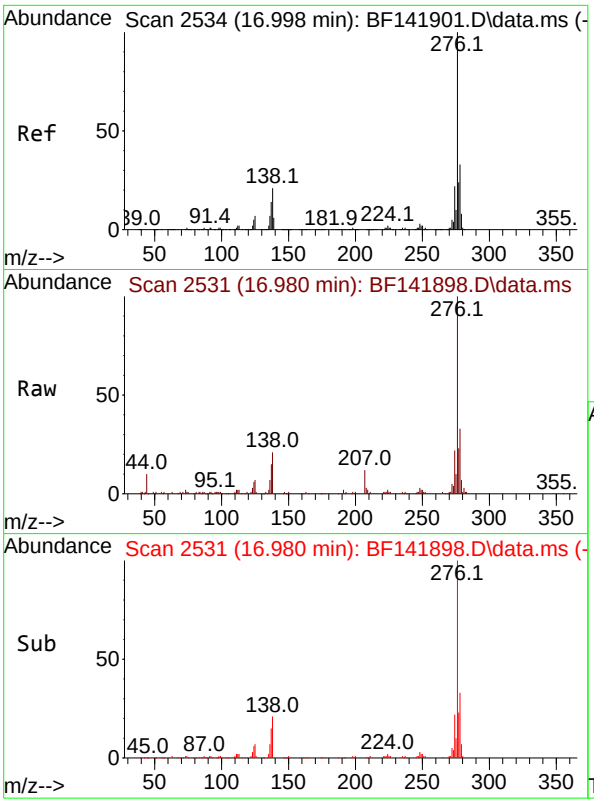


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:264 Resp: 527129

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.7	17.5	26.3



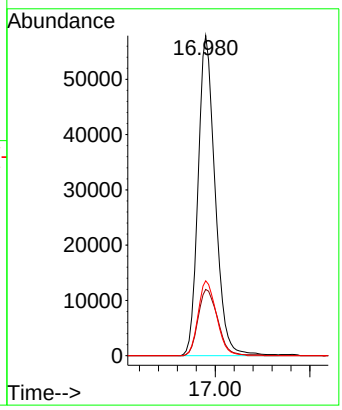


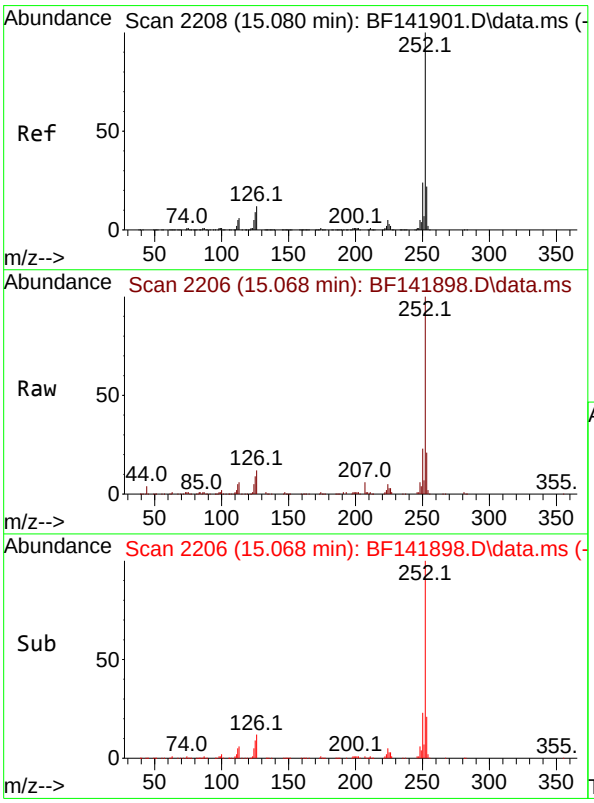
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.228 ng
RT: 16.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 144536

Ion	Ratio	Lower	Upper
276	100		
138	23.7	18.4	27.6
277	25.1	20.3	30.5

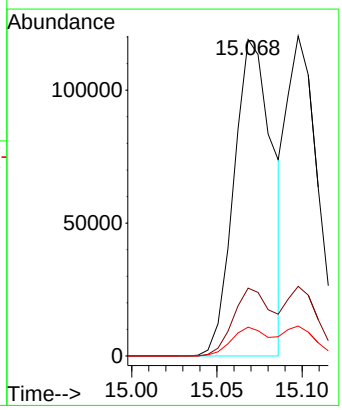


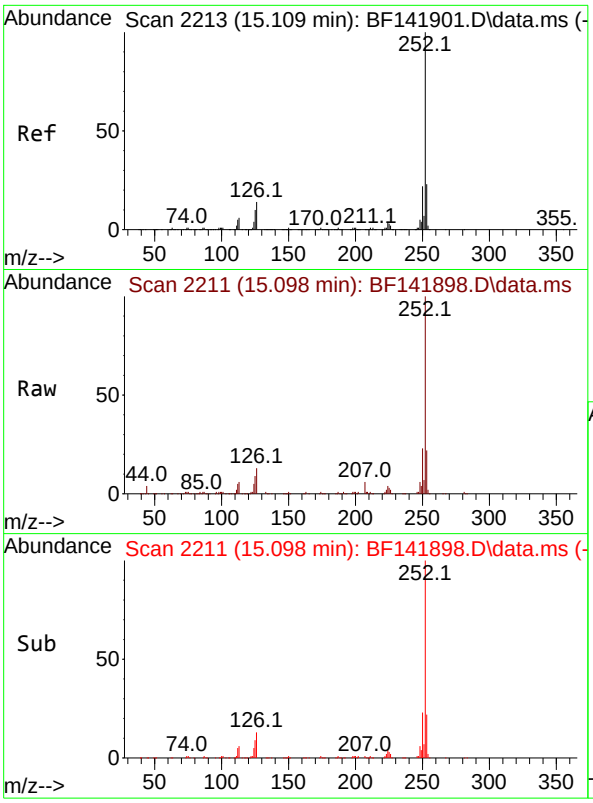


#88
Benzo(b)fluoranthene
Concen: 5.234 ng
RT: 15.068 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:252 Resp: 187154

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	9.1	7.0	10.4



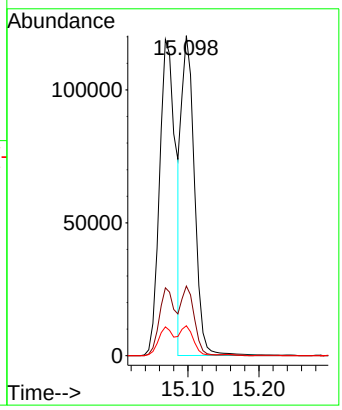


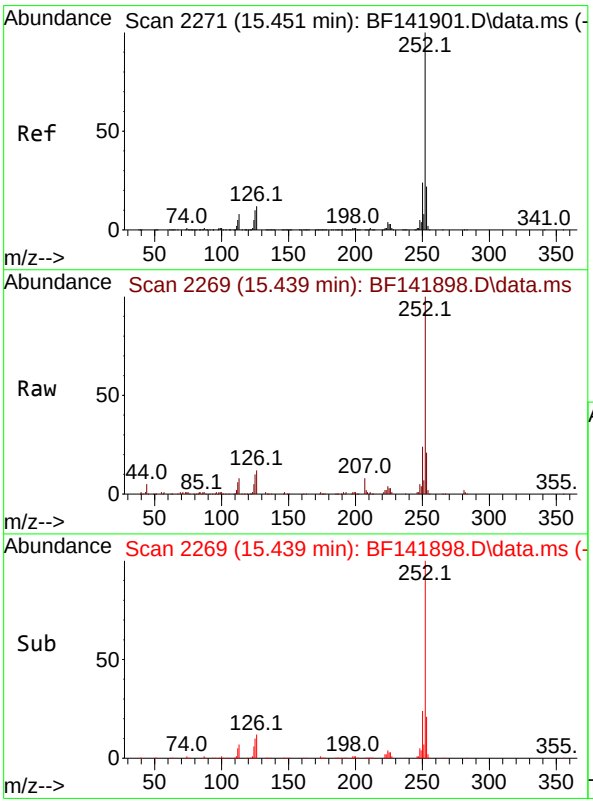
#89
Benzo(k)fluoranthene
Concen: 4.903 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 153142

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.4	7.2	10.8

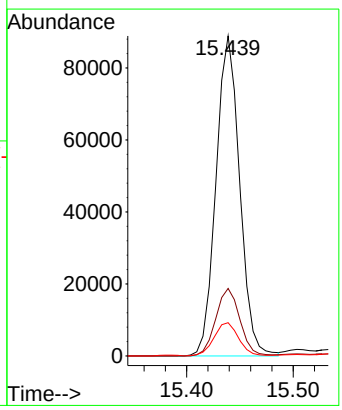


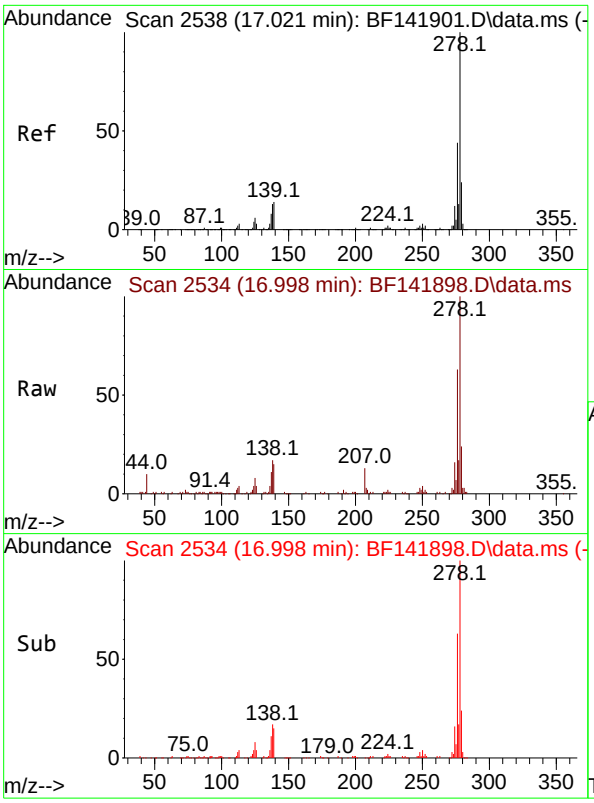


#90
Benzo(a)pyrene
Concen: 4.860 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:252 Resp: 137043

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.4	26.0
125	10.4	7.8	11.8



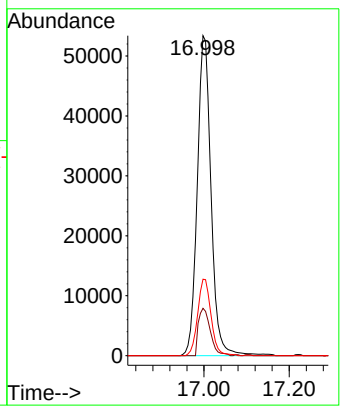


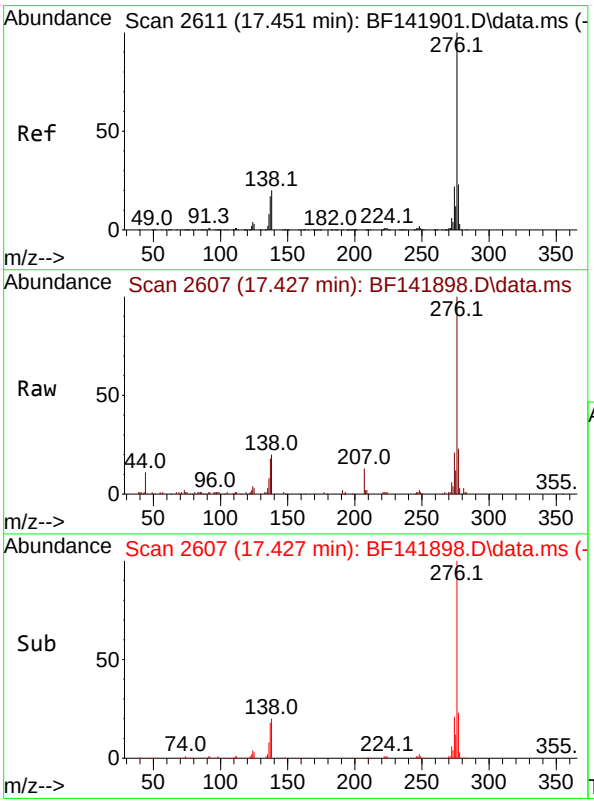
#91
Dibenzo(a,h)anthracene
Concen: 4.252 ng
RT: 16.998 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 119937

Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.4	17.2
279	23.9	18.8	28.2

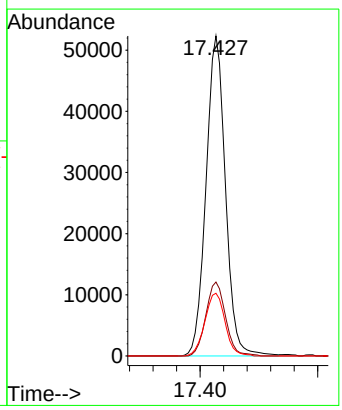




#92
Benzo(g,h,i)perylene
Concen: 4.294 ng
RT: 17.427 min Scan# 2607
Delta R.T. -0.024 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:276 Resp: 120142

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.7	28.1
138	19.6	15.8	23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Mar 10 15:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	224499	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	921725	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	541295	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	966771	20.000	ng		0.00
76) Chrysene-d12	14.039	240	703100	20.000	ng		0.00
86) Perylene-d12	15.510	264	510790	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	279139	20.746	ng		0.00
7) Phenol-d6	6.493	99	357672	20.872	ng		-0.01
23) Nitrobenzene-d5	7.434	82	328098	19.951	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	127785	18.630	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	746589	21.003	ng		0.00
79) Terphenyl-d14	12.980	244	920159	19.345	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	54068	9.588	ng		98
3) Pyridine	3.440	79	135148	9.752	ng		99
4) n-Nitrosodimethylamine	3.369	42	62411	9.474	ng	#	98
6) Aniline	6.540	93	179854	10.631	ng		99
8) 2-Chlorophenol	6.657	128	151998	10.192	ng		97
9) Benzaldehyde	6.428	77	114586	11.963	ng		99
10) Phenol	6.504	94	187967	10.396	ng		98
11) bis(2-Chloroethyl)ether	6.610	93	139813	10.321	ng		99
12) 1,3-Dichlorobenzene	6.822	146	167192	10.374	ng		98
13) 1,4-Dichlorobenzene	6.898	146	168717	10.347	ng		98
14) 1,2-Dichlorobenzene	7.051	146	159032	10.357	ng		98
15) Benzyl Alcohol	7.010	79	140530	10.132	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	171225	10.487	ng		98
17) 2-Methylphenol	7.116	107	117869	9.945	ng		99
18) Hexachloroethane	7.392	117	61809	10.111	ng		100
19) n-Nitroso-di-n-propyla...	7.281	70	112281	10.194	ng		97
20) 3+4-Methylphenols	7.269	107	156526	10.296	ng		92
22) Acetophenone	7.281	105	227350	10.282	ng		99
24) Nitrobenzene	7.457	77	161777	9.922	ng		99
25) Isophorone	7.692	82	285760	9.842	ng		99
26) 2-Nitrophenol	7.775	139	73301	9.174	ng		98
27) 2,4-Dimethylphenol	7.804	122	107669	9.784	ng		99
28) bis(2-Chloroethoxy)met...	7.904	93	187307	10.298	ng		98
29) 2,4-Dichlorophenol	8.010	162	135772	9.941	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	149790	9.941	ng		99
31) Naphthalene	8.181	128	495470	10.493	ng		99
32) Benzoic acid	7.869	122	68640	7.136	ng		98
33) 4-Chloroaniline	8.228	127	173977	10.441	ng		98
34) Hexachlorobutadiene	8.298	225	97298	9.931	ng		98
35) Caprolactam	8.563	113	41208	9.922	ng		97
36) 4-Chloro-3-methylphenol	8.698	107	152340	10.029	ng		96
37) 2-Methylnaphthalene	8.869	142	326733	10.313	ng		99
38) 1-Methylnaphthalene	8.969	142	318324	10.376	ng		98
40) 1,2,4,5-Tetrachloroben...	9.034	216	163481	9.905	ng		99
41) Hexachlorocyclopentadiene	9.022	237	59769	9.177	ng		99
43) 2,4,6-Trichlorophenol	9.145	196	105191	9.777	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Mar 10 15:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

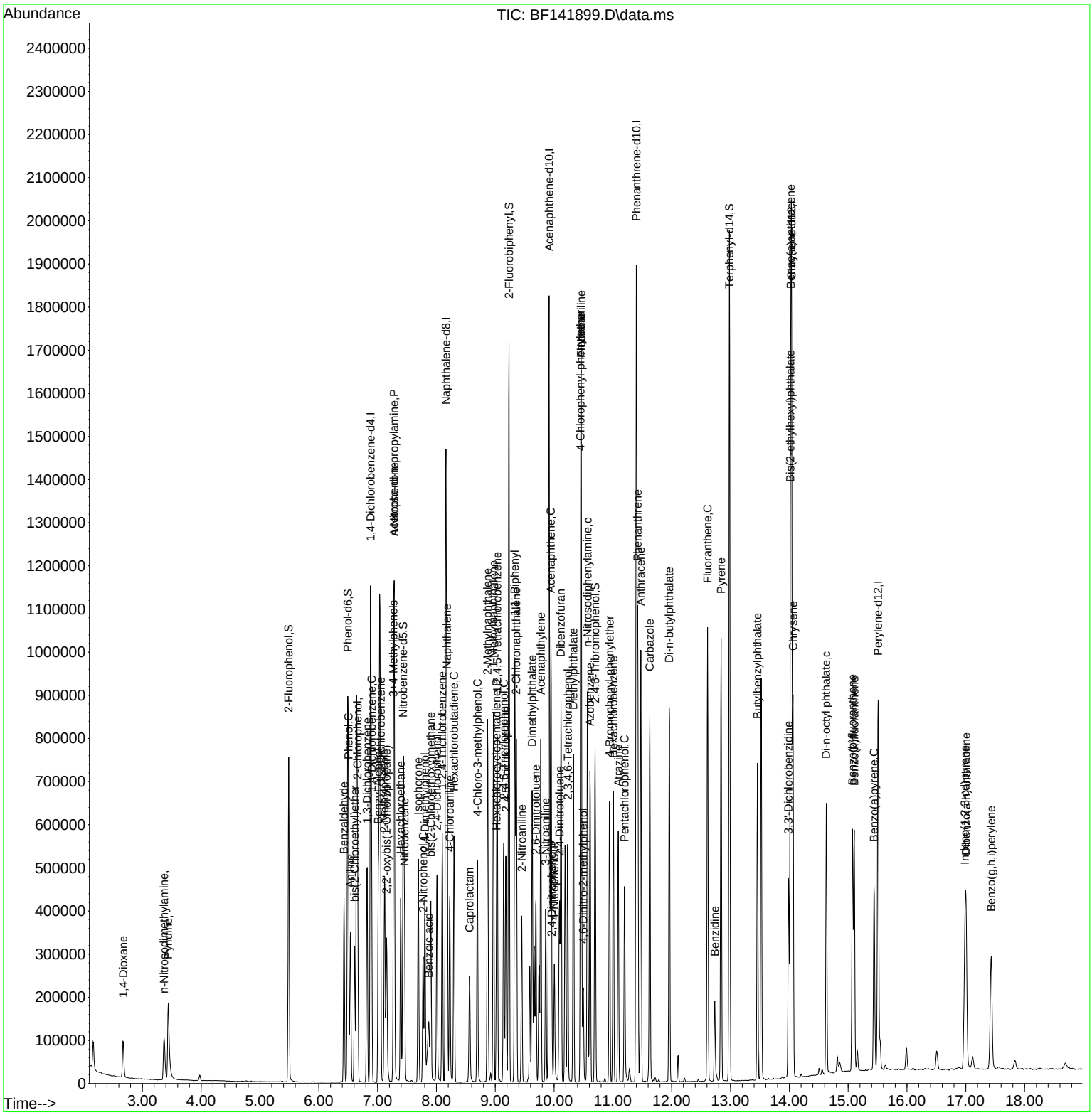
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	105943	9.692	ng		99
46) 1,1'-Biphenyl	9.334	154	425640	10.372	ng		98
47) 2-Chloronaphthalene	9.357	162	308729	10.094	ng		98
48) 2-Nitroaniline	9.451	65	84854	9.658	ng		98
49) Acenaphthylene	9.775	152	470801	10.383	ng		99
50) Dimethylphthalate	9.628	163	382722	10.176	ng		100
51) 2,6-Dinitrotoluene	9.692	165	75577	9.663	ng		97
52) Acenaphthene	9.945	154	323406	10.101	ng		100
53) 3-Nitroaniline	9.857	138	79944	9.955	ng		96
54) 2,4-Dinitrophenol	9.963	184	23121	11.386	ng	#	71
55) Dibenzofuran	10.116	168	483596	10.593	ng		98
56) 4-Nitrophenol	10.004	139	58549	9.706	ng		98
57) 2,4-Dinitrotoluene	10.092	165	103313	10.035	ng		98
58) Fluorene	10.463	166	368370	10.452	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	98725	9.954	ng		99
60) Diethylphthalate	10.328	149	398003	10.542	ng		100
61) 4-Chlorophenyl-phenyle...	10.451	204	186237	10.145	ng		99
62) 4-Nitroaniline	10.463	138	78048	10.030	ng		97
63) Azobenzene	10.610	77	368982	10.521	ng		99
65) 4,6-Dinitro-2-methylph...	10.498	198	40348	7.040	ng		99
66) n-Nitrosodiphenylamine	10.569	169	314758	10.078	ng		99
67) 4-Bromophenyl-phenylether	10.945	248	120534	10.011	ng		97
68) Hexachlorobenzene	11.010	284	129242	9.712	ng		98
69) Atrazine	11.092	200	102822	13.502	ng		99
70) Pentachlorophenol	11.198	266	73112	8.909	ng		99
71) Phenanthrene	11.422	178	556546	10.646	ng		98
72) Anthracene	11.475	178	550767	10.501	ng		100
73) Carbazole	11.628	167	480520	10.641	ng		99
74) Di-n-butylphthalate	11.957	149	638429	10.708	ng		99
75) Fluoranthene	12.610	202	592806	10.801	ng		99
77) Benzidine	12.733	184	108761	10.946	ng		99
78) Pyrene	12.839	202	580442	9.626	ng		99
80) Butylbenzylphthalate	13.457	149	230714	9.710	ng		98
81) Benzo(a)anthracene	14.027	228	458422	9.911	ng		99
82) 3,3'-Dichlorobenzidine	13.986	252	136843	10.236	ng		99
83) Chrysene	14.063	228	419687	10.100	ng		99
84) Bis(2-ethylhexyl)phtha...	14.016	149	320536	9.833	ng		99
85) Di-n-octyl phthalate	14.627	149	428377	9.442	ng		100
87) Indeno(1,2,3-cd)pyrene	16.986	276	291723	8.807	ng		99
88) Benzo(b)fluoranthene	15.074	252	334664	9.659	ng		99
89) Benzo(k)fluoranthene	15.104	252	323772	10.698	ng		99
90) Benzo(a)pyrene	15.439	252	266149	9.740	ng		99
91) Dibenzo(a,h)anthracene	17.004	278	243443	8.907	ng		98
92) Benzo(g,h,i)perylene	17.433	276	242380	8.941	ng		99

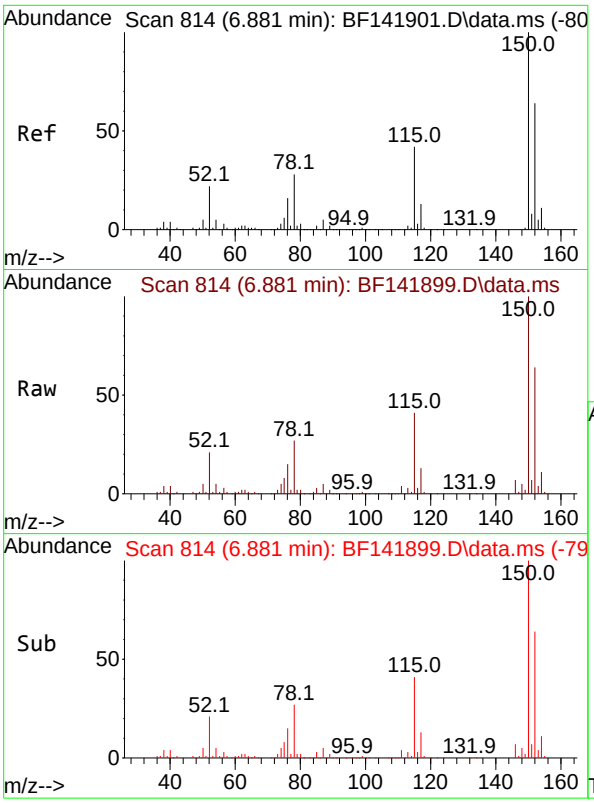
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Mar 10 15:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



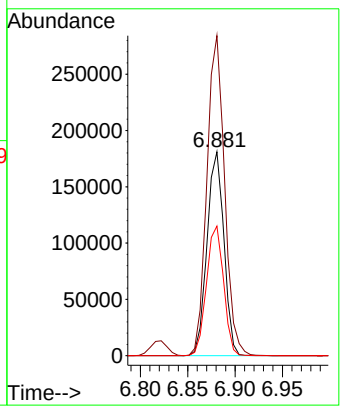


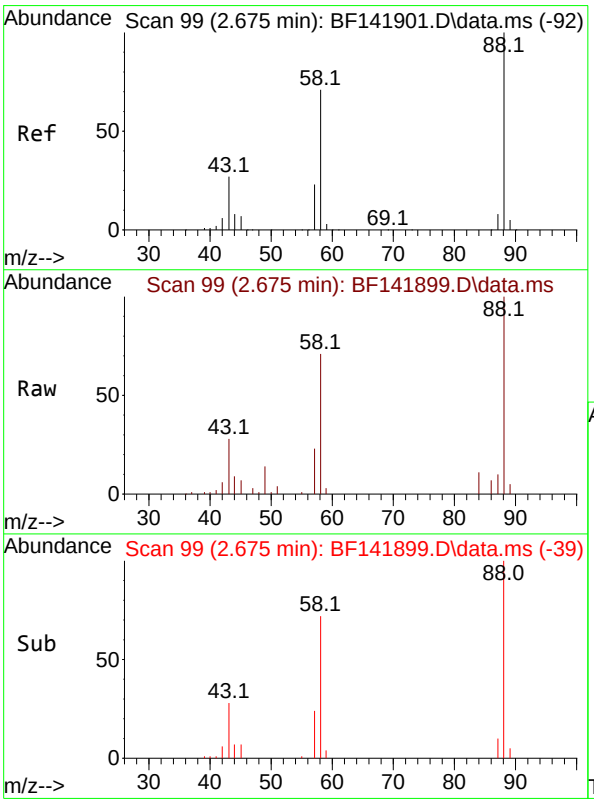
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 224499

Ion	Ratio	Lower	Upper
152	100		
150	157.0	127.4	191.2
115	63.6	51.9	77.9

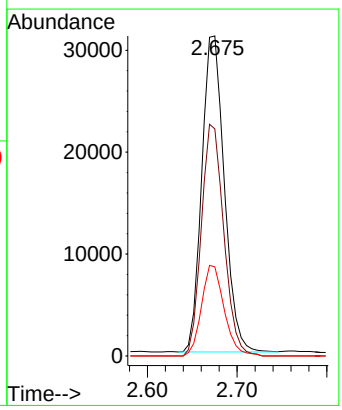


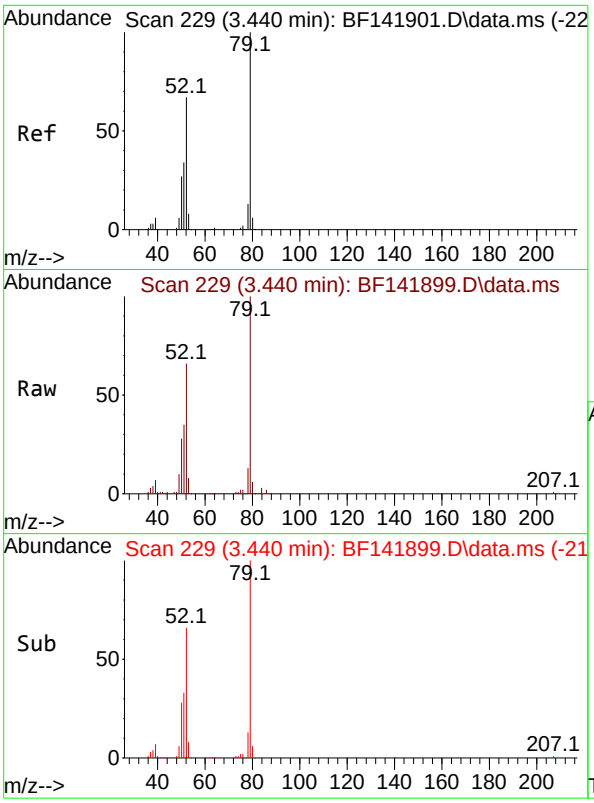


#2
1,4-Dioxane
Concen: 9.588 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 88 Resp: 54068

Ion	Ratio	Lower	Upper
88	100		
58	72.9	57.4	86.2
43	28.8	21.5	32.3



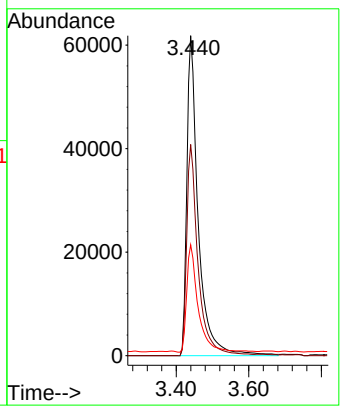


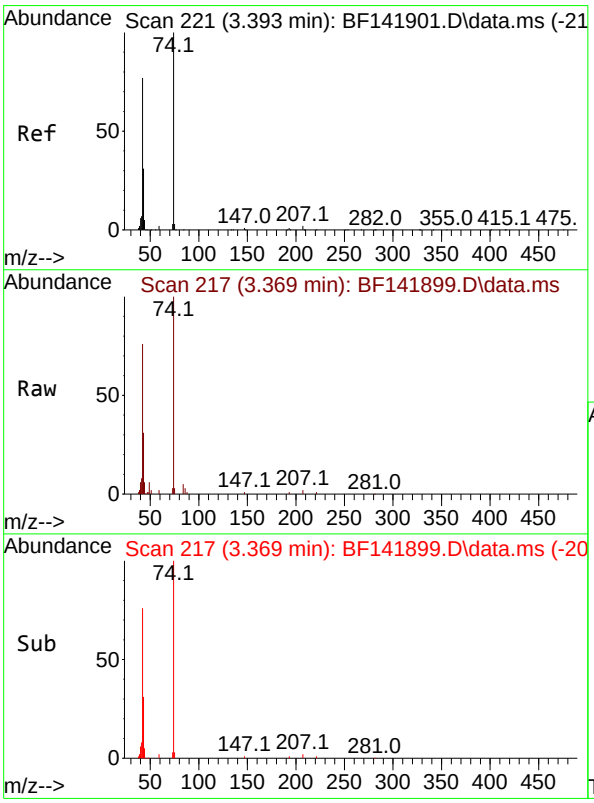
#3
Pyridine
Concen: 9.752 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 135148

Ion	Ratio	Lower	Upper
79	100		
52	66.0	53.3	79.9
51	34.7	27.6	41.4

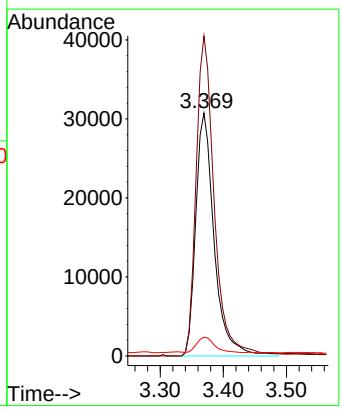


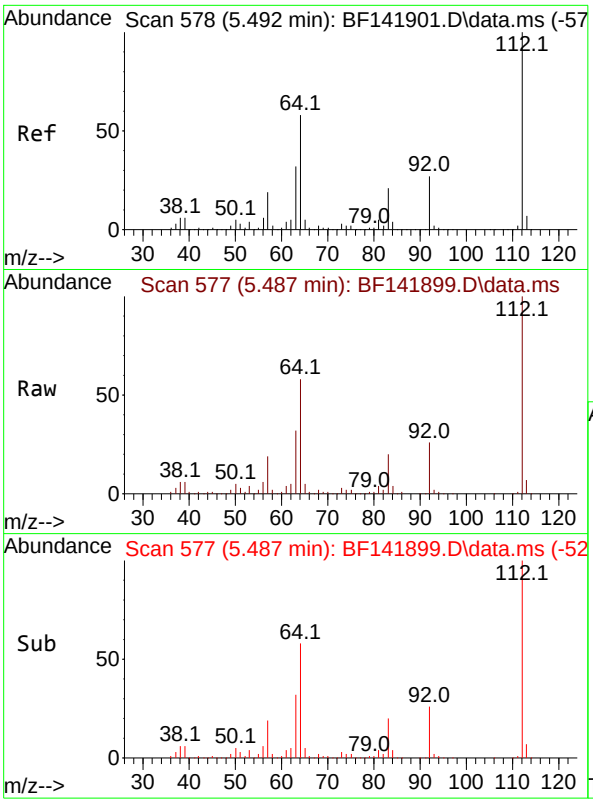


#4
n-Nitrosodimethylamine
Concen: 9.474 ng
RT: 3.369 min Scan# 217
Delta R.T. -0.023 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 42 Resp: 62411

Ion	Ratio	Lower	Upper
42	100		
74	131.7	103.4	155.0
44	7.7	5.0	7.4#



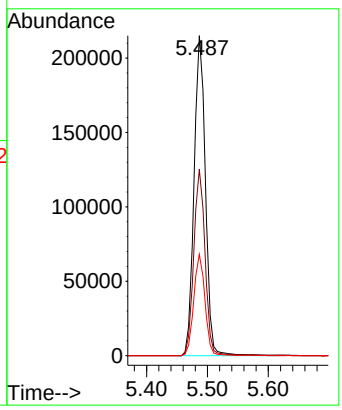


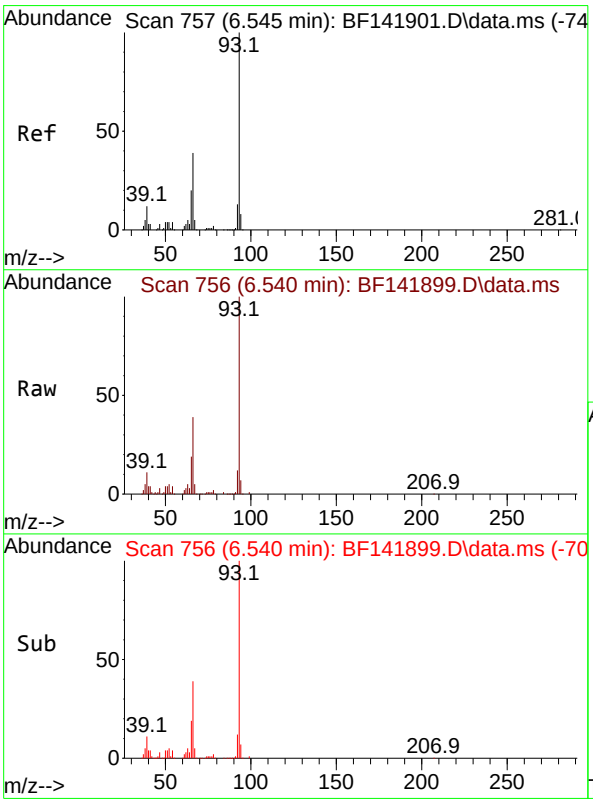
#5
2-Fluorophenol
Concen: 20.746 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 279139

Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.5	69.7
63	31.6	25.4	38.2

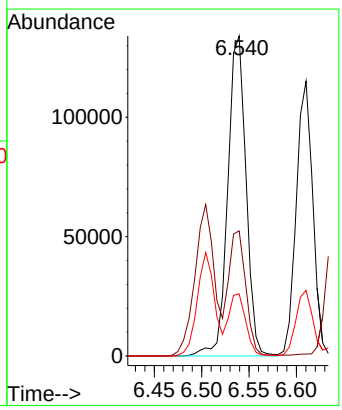


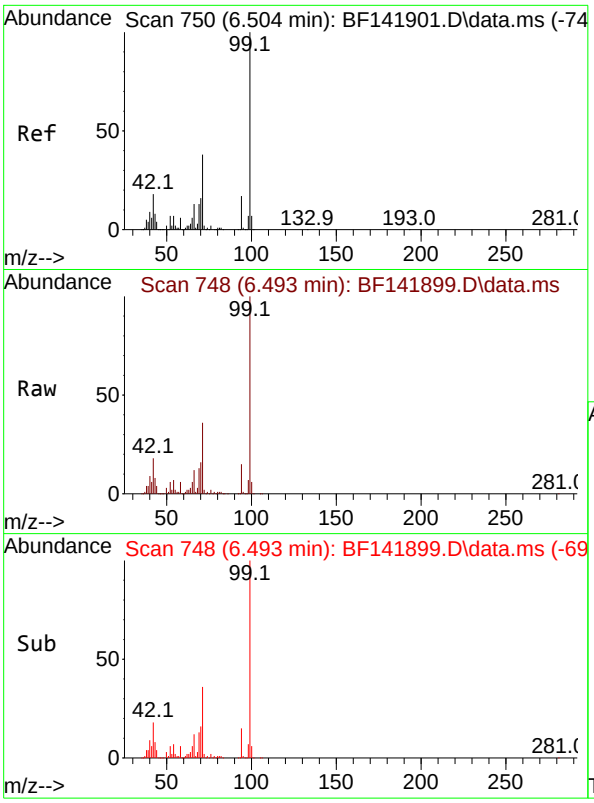


#6
Aniline
Concen: 10.631 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 93 Resp: 179854

Ion	Ratio	Lower	Upper
93	100		
66	39.1	31.9	47.9
65	19.4	15.8	23.6



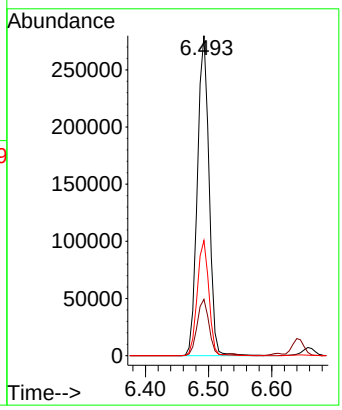


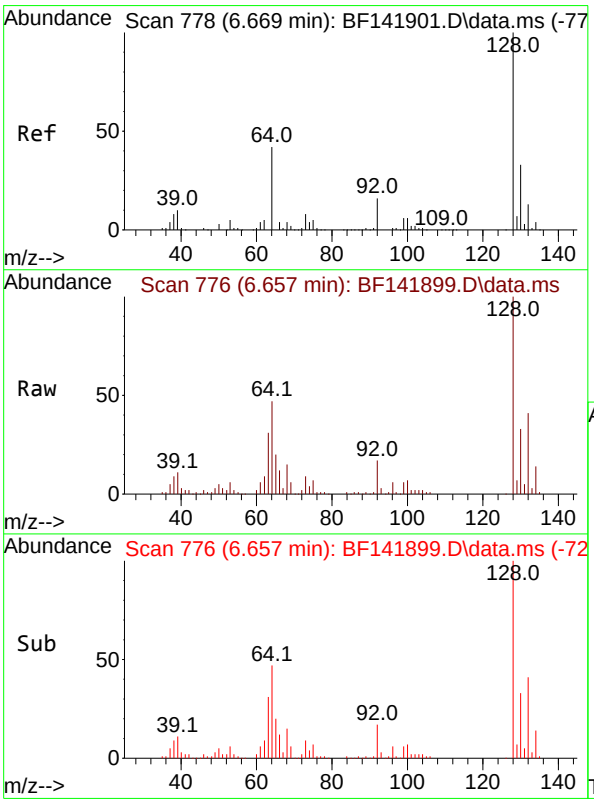
#7
Phenol-d6
Concen: 20.872 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 357672

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	21.8
71	36.0	30.8	46.2

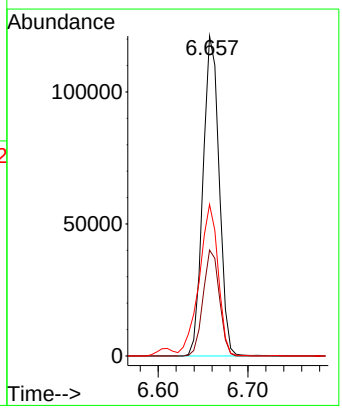


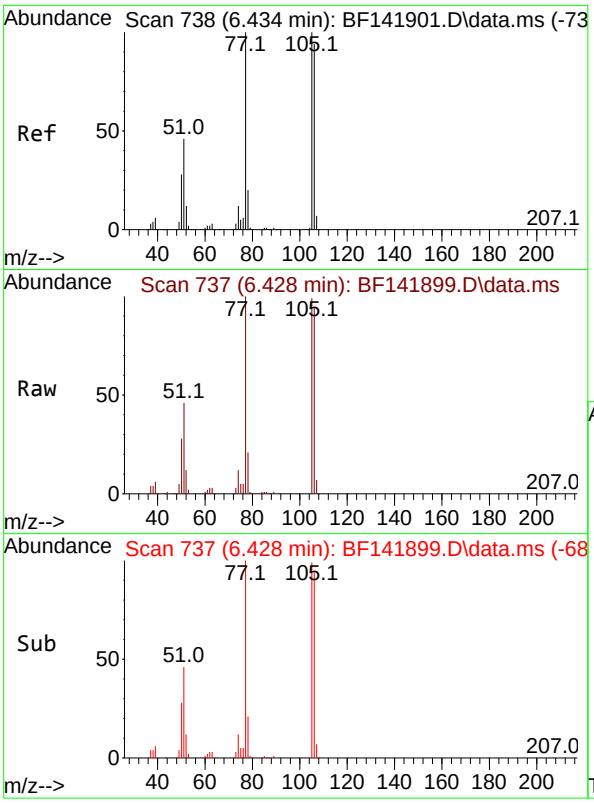


#8
2-Chlorophenol
Concen: 10.192 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:128 Resp: 151998

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.8	52.8
64	47.3	24.4	64.4



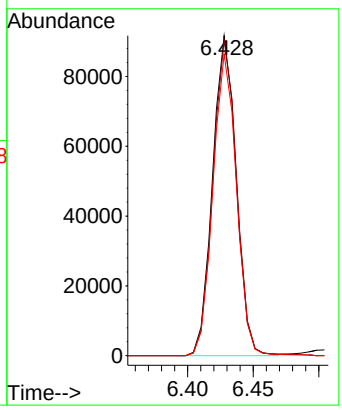


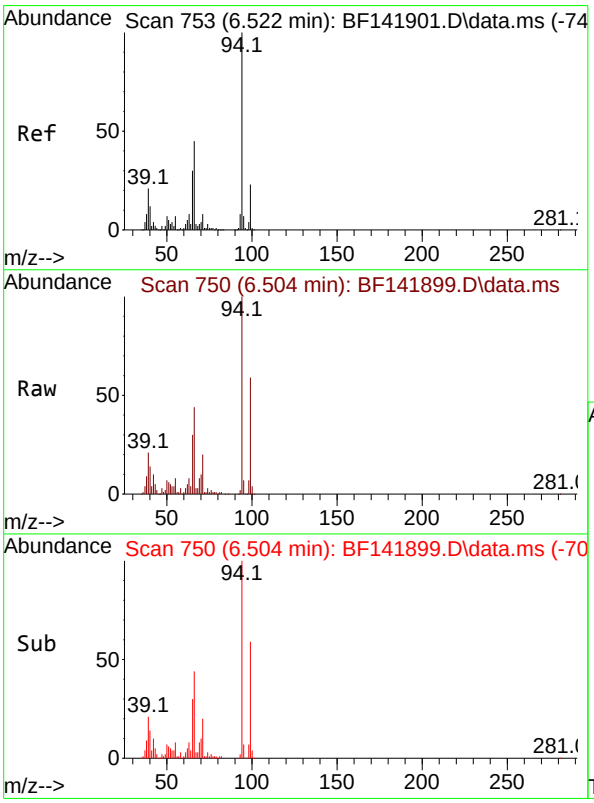
#9
Benzaldehyde
Concen: 11.963 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 114586

Ion	Ratio	Lower	Upper
77	100		
105	98.6	80.0	120.0
106	94.3	74.5	114.5

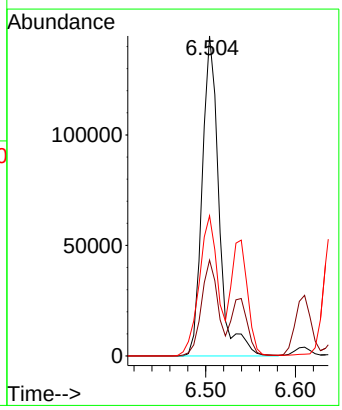


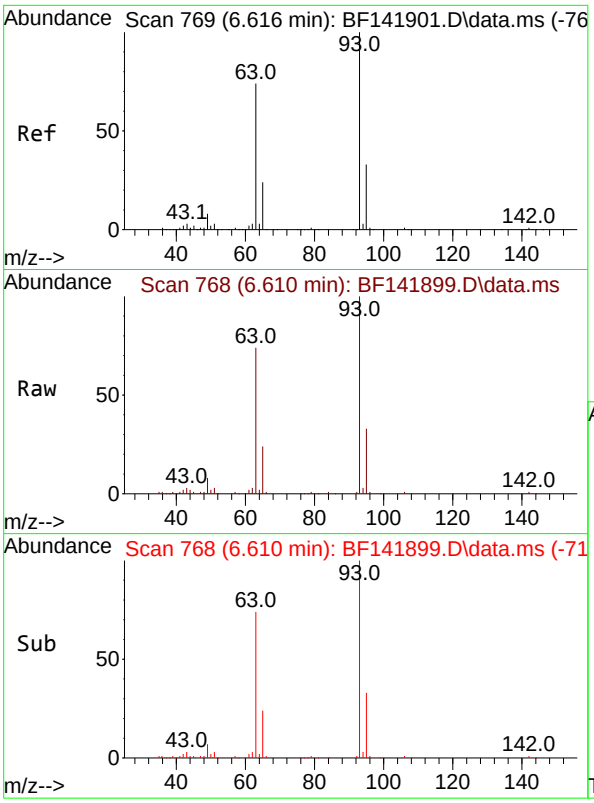


#10
Phenol
Concen: 10.396 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.017 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 94 Resp: 187967

Ion	Ratio	Lower	Upper
94	100		
65	29.9	10.5	50.5
66	43.8	25.8	65.8



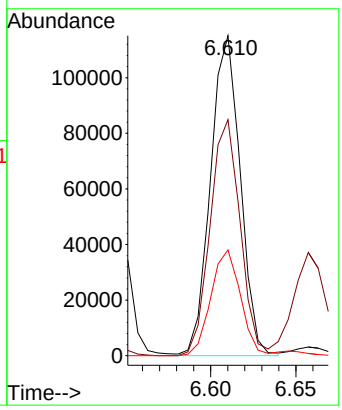


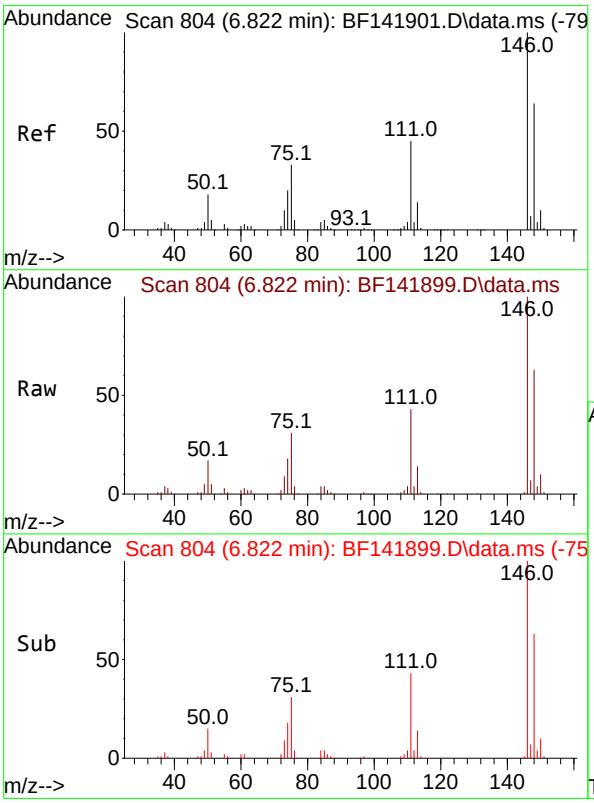
#11
bis(2-Chloroethyl)ether
Concen: 10.321 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 139813

Ion	Ratio	Lower	Upper
93	100		
63	73.7	53.0	93.0
95	33.0	12.9	52.9

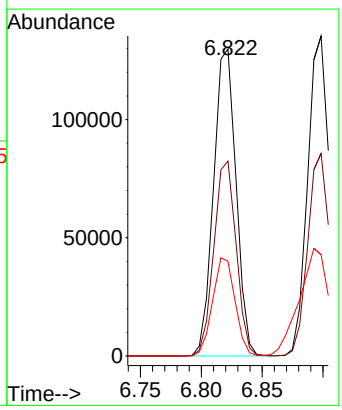


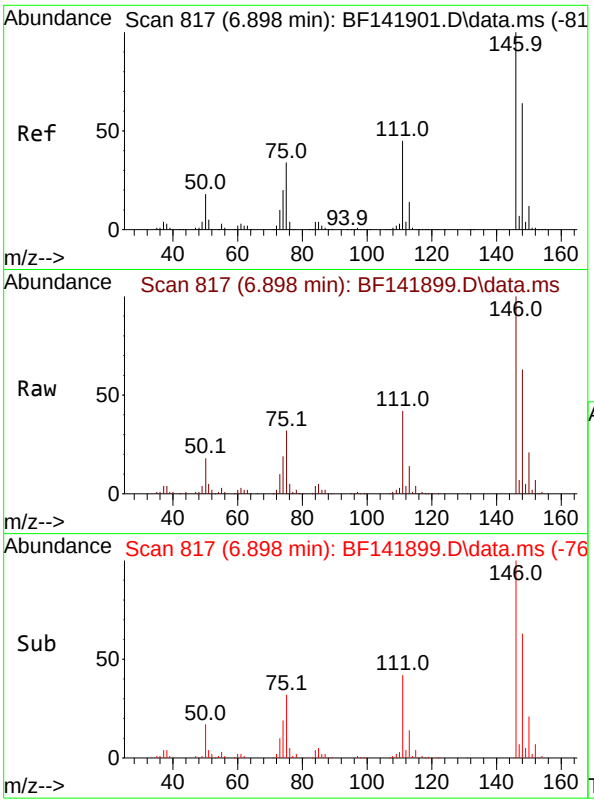


#12
1,3-Dichlorobenzene
Concen: 10.374 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:146 Resp: 167192

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.3	76.9
75	30.8	26.6	40.0



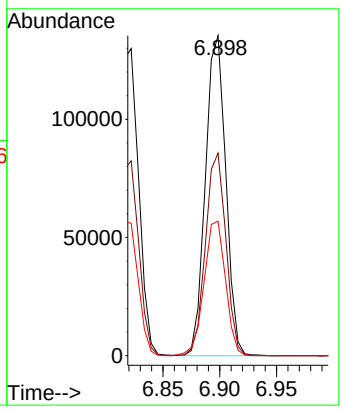


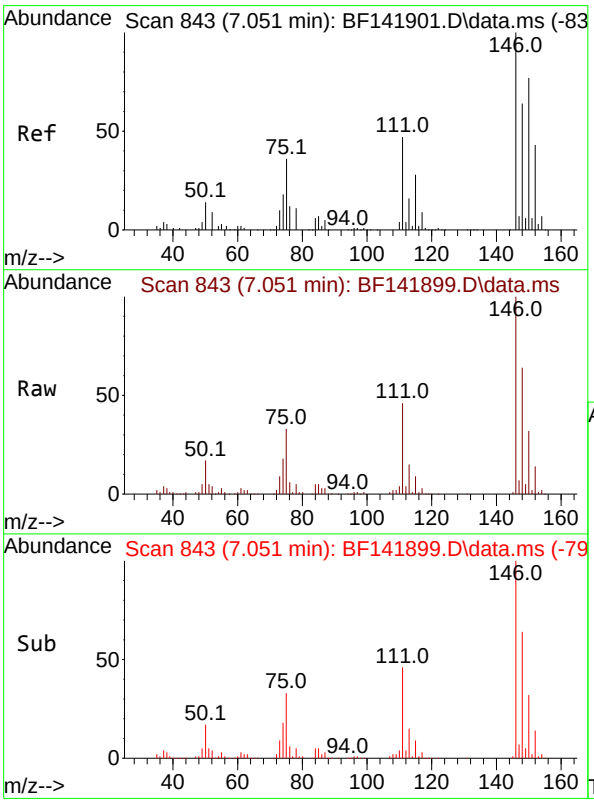
#13
1,4-Dichlorobenzene
Concen: 10.347 ng
RT: 6.898 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 168717

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.0	76.6
111	42.1	35.7	53.5

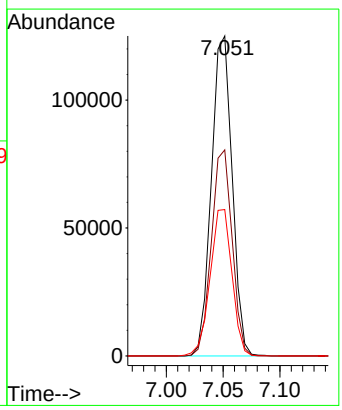


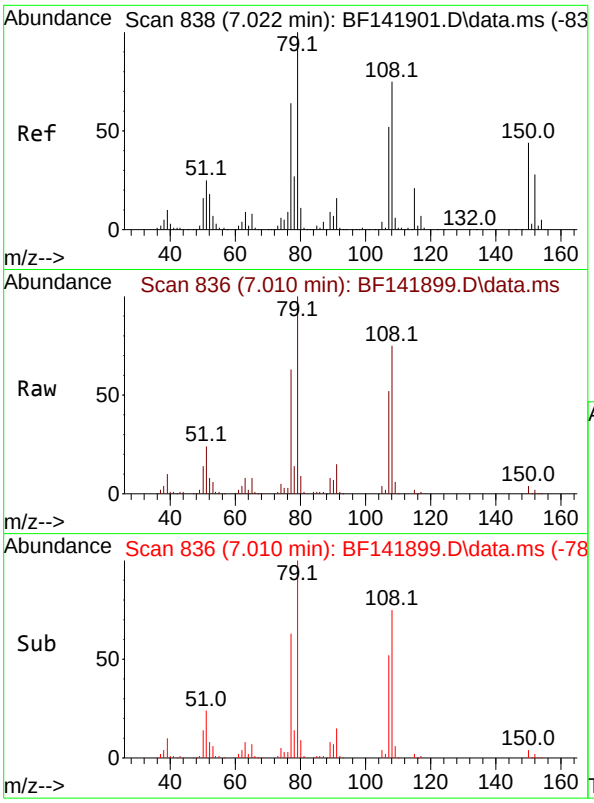


#14
1,2-Dichlorobenzene
Concen: 10.357 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:146 Resp: 159032

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.8	76.2
111	45.8	38.0	57.0



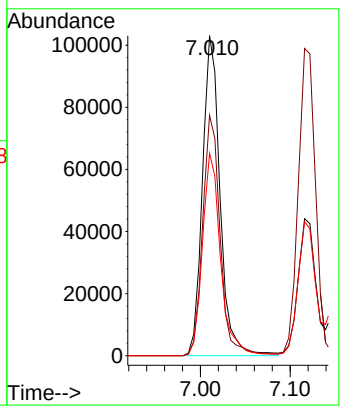


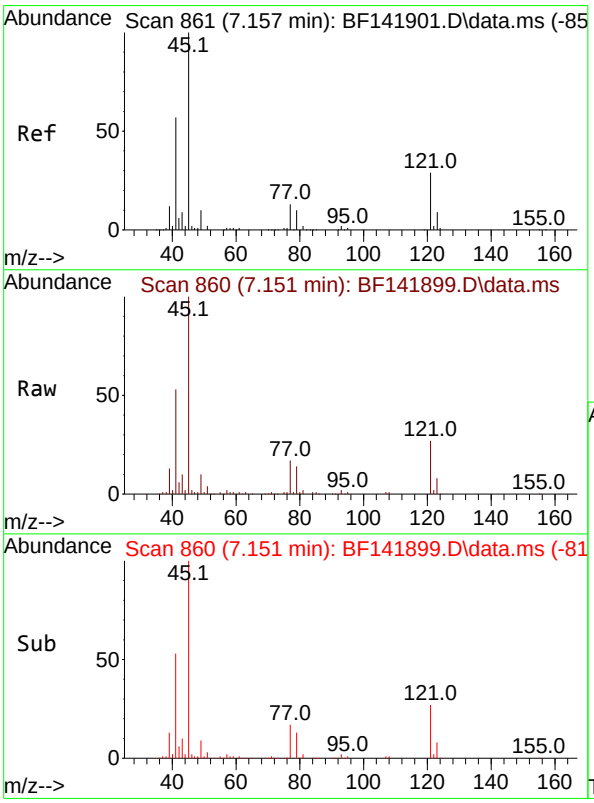
#15
Benzyl Alcohol
Concen: 10.132 ng
RT: 7.010 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 140530

Ion	Ratio	Lower	Upper
79	100		
108	75.1	59.7	89.5
77	63.3	51.0	76.6

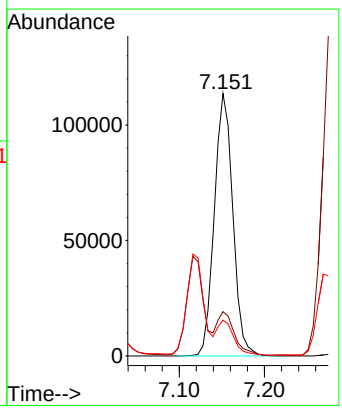


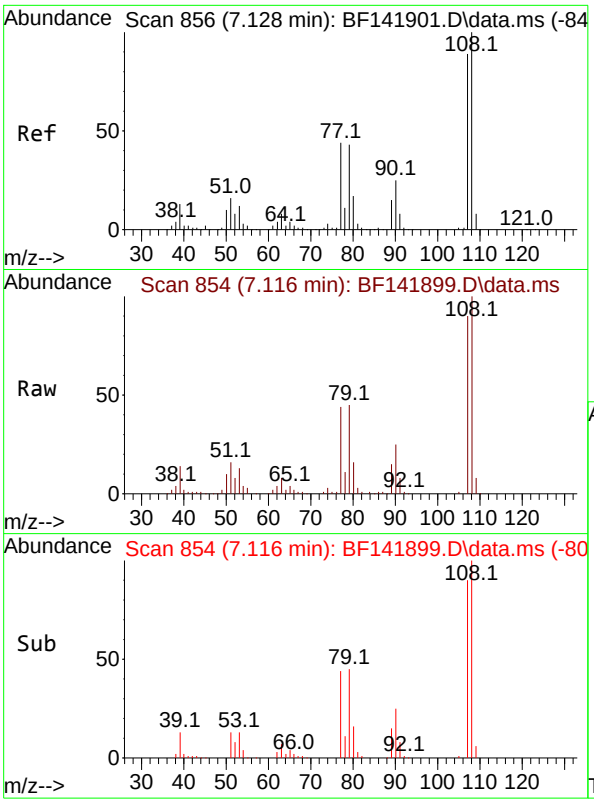


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.487 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 45 Resp: 171225

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	37.8
79	13.7	0.0	34.2



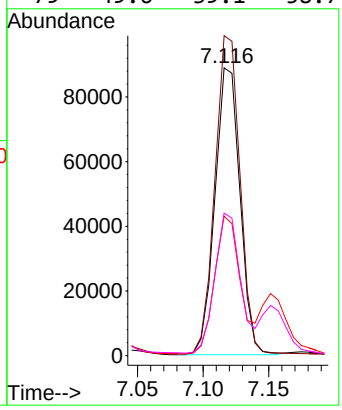


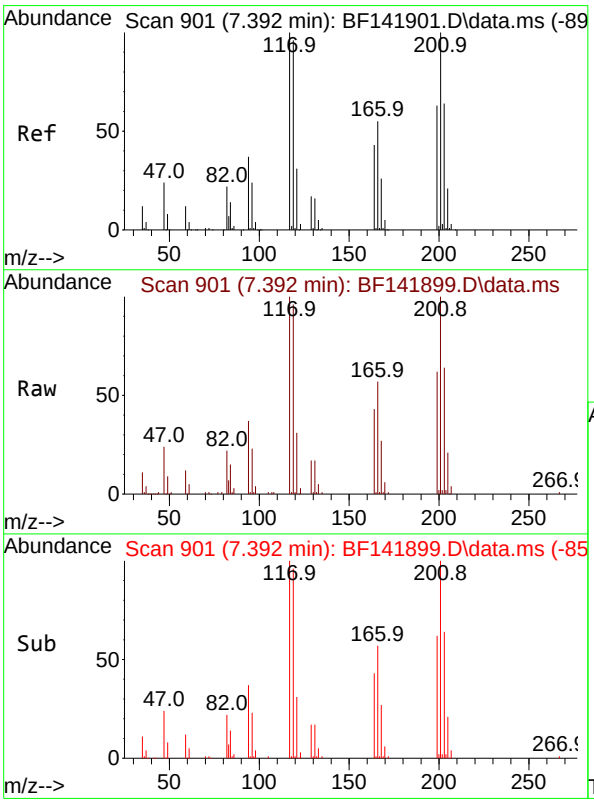
#17
2-Methylphenol
Concen: 9.945 ng
RT: 7.116 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 117869

Ion	Ratio	Lower	Upper
107	100		
108	111.2	90.2	135.2
77	48.5	39.6	59.4
79	49.6	39.1	58.7

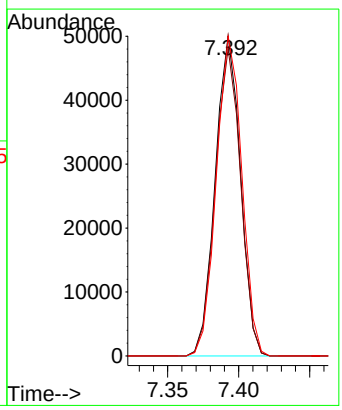


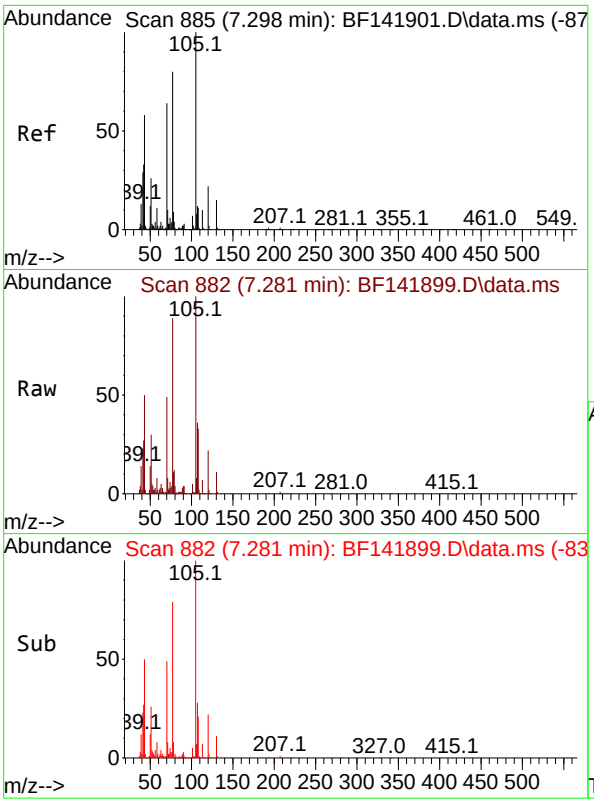


#18
Hexachloroethane
Concen: 10.111 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:117 Resp: 61809

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
201	99.9	79.9	119.9



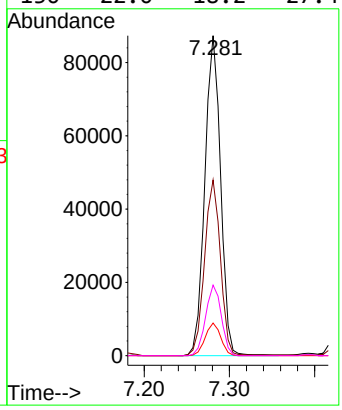


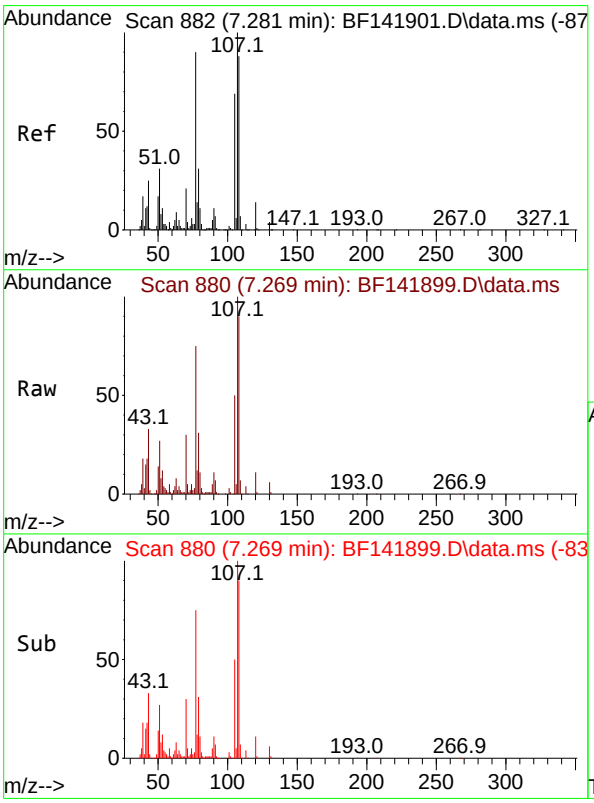
#19
n-Nitroso-di-n-propylamine
Concen: 10.194 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 112281

Ion	Ratio	Lower	Upper
70	100		
42	54.9	41.4	62.0
101	10.2	8.2	12.2
130	22.0	18.2	27.4

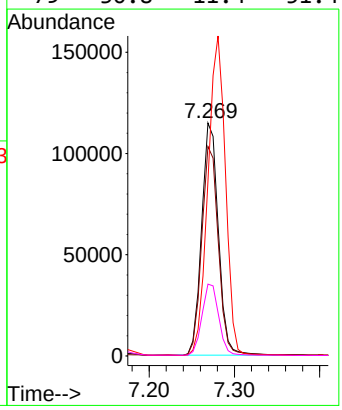


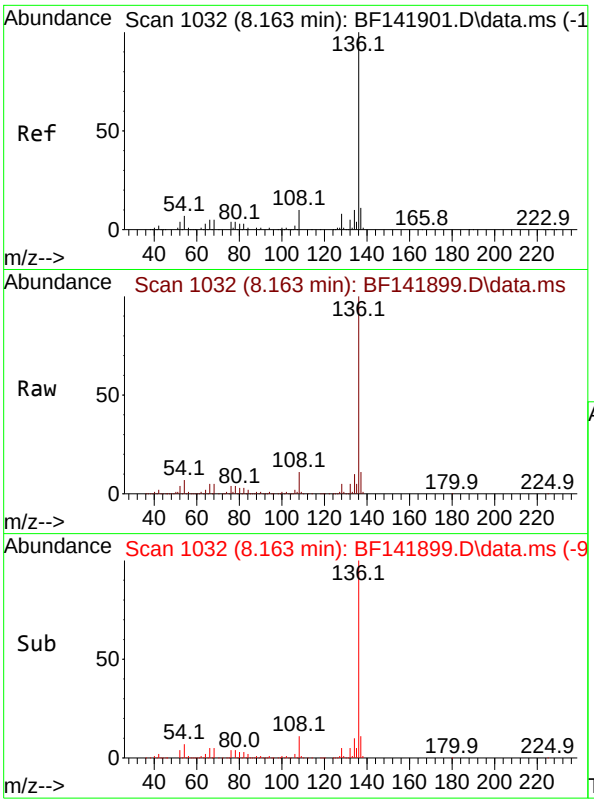


#20
3+4-Methylphenols
Concen: 10.296 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:107 Resp: 156526

Ion	Ratio	Lower	Upper
107	100		
108	89.9	68.4	108.4
77	75.0	69.7	109.7
79	30.8	11.4	51.4



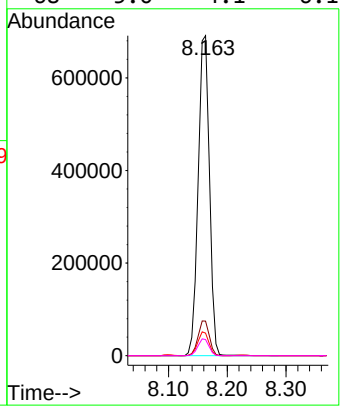


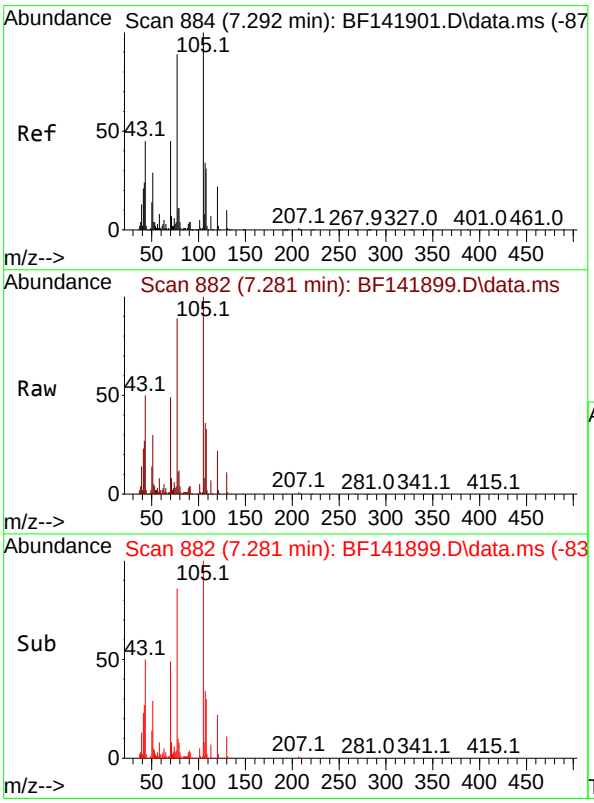
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 921725

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.0	5.8	8.8
68	5.0	4.1	6.1

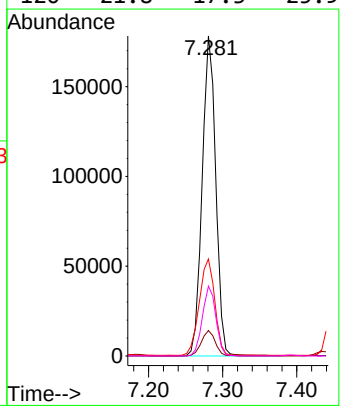


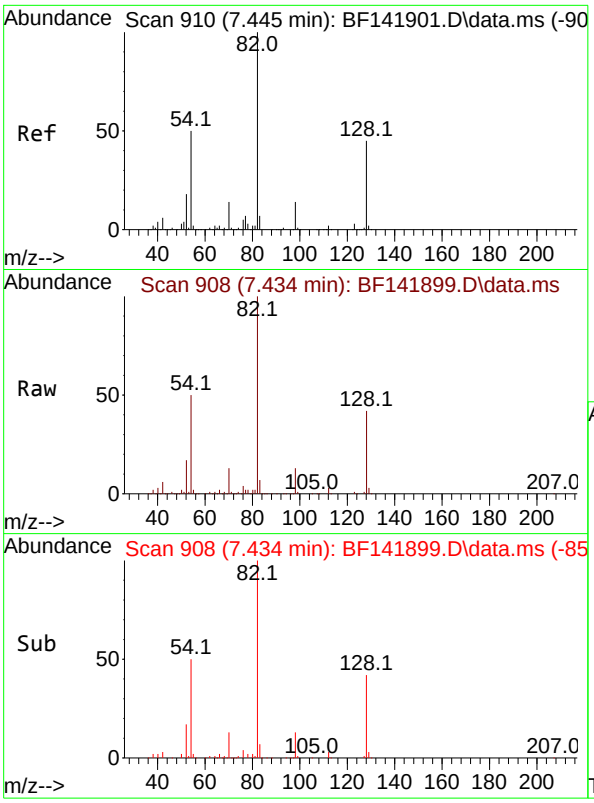


#22
Acetophenone
Concen: 10.282 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:105 Resp: 227350

Ion	Ratio	Lower	Upper
105	100		
71	8.0	5.8	8.8
51	30.3	23.4	35.0
120	21.8	17.3	25.9



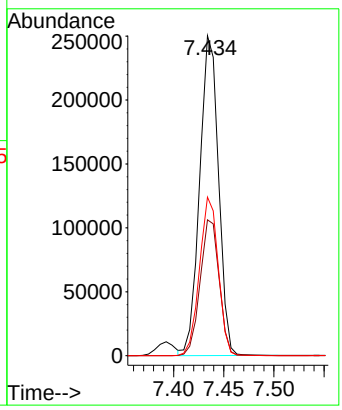


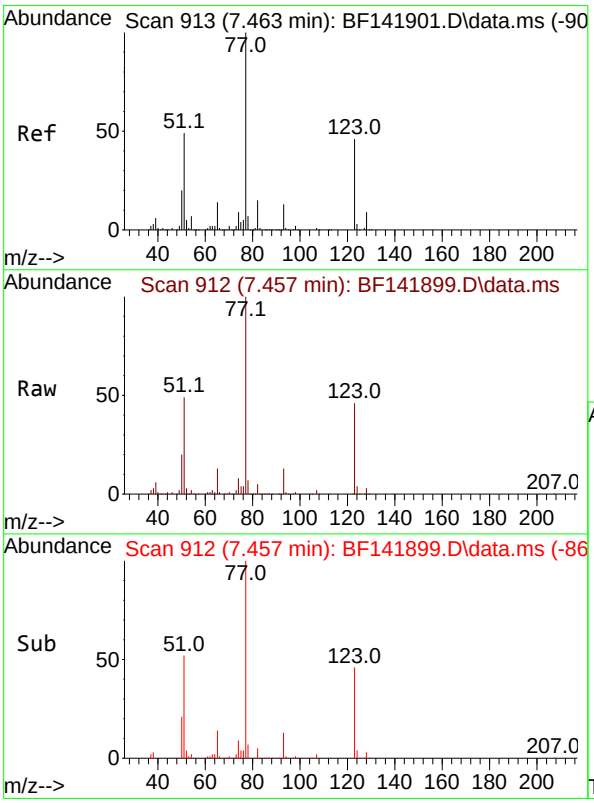
#23
Nitrobenzene-d5
Concen: 19.951 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 328098

Ion	Ratio	Lower	Upper
82	100		
128	42.5	36.0	54.0
54	49.6	39.6	59.4

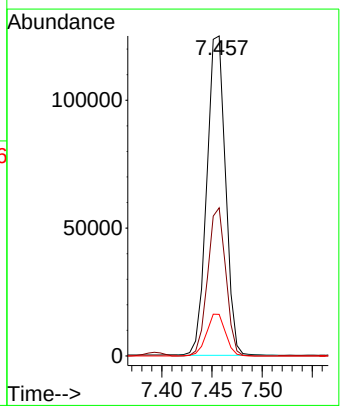


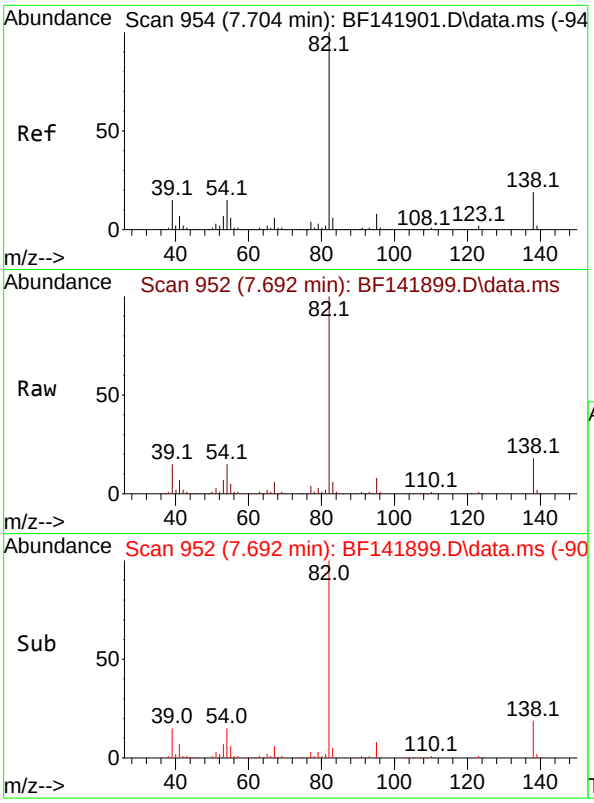


#24
Nitrobenzene
Concen: 9.922 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 77 Resp: 161777

Ion	Ratio	Lower	Upper
77	100		
123	46.3	37.0	55.4
65	13.0	11.3	16.9



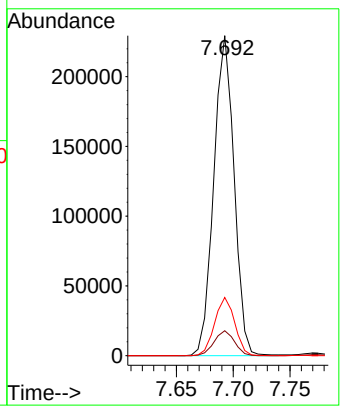


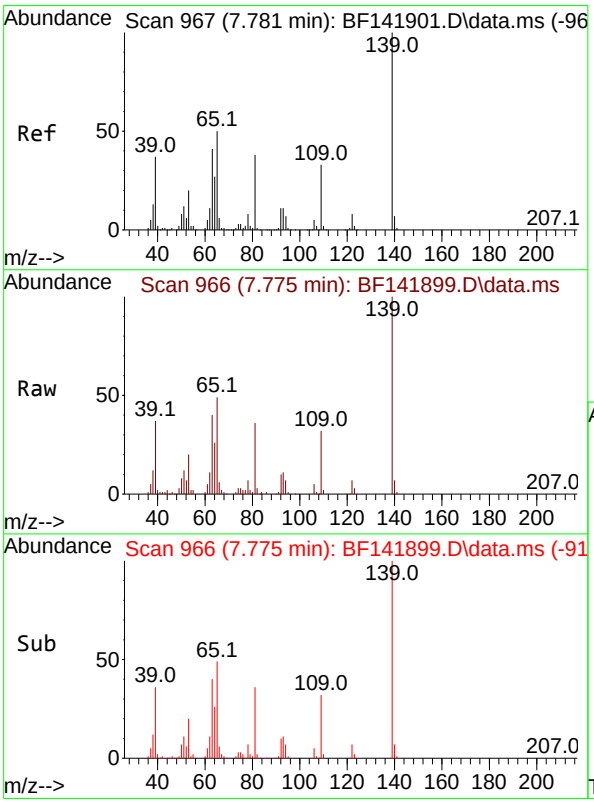
#25
Isophorone
Concen: 9.842 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 285760

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.2	14.9	22.3

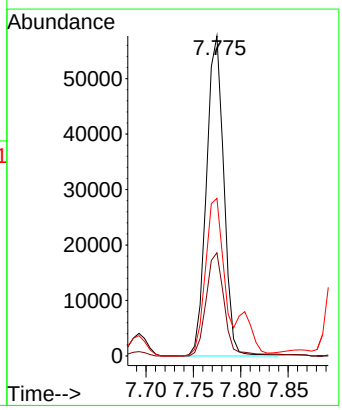


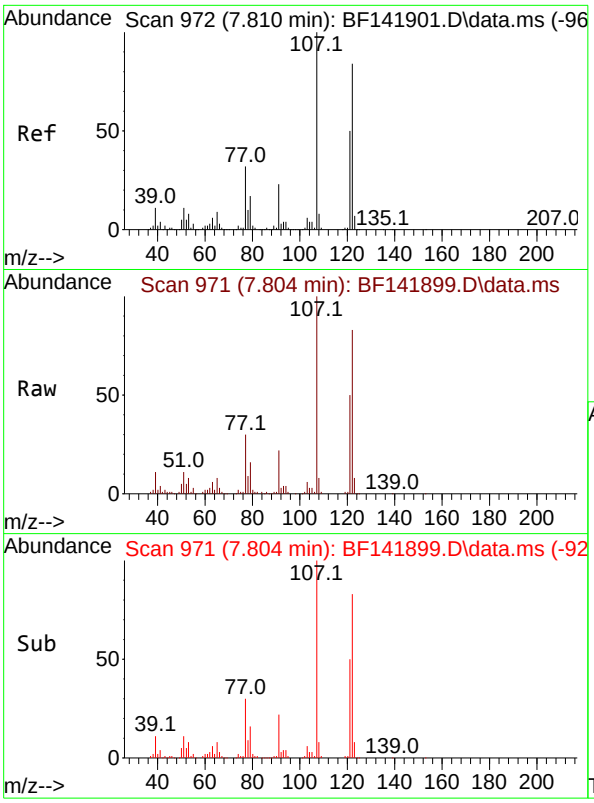


#26
2-Nitrophenol
Concen: 9.174 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:139 Resp: 73301

Ion	Ratio	Lower	Upper
139	100		
109	32.2	26.5	39.7
65	49.3	40.3	60.5



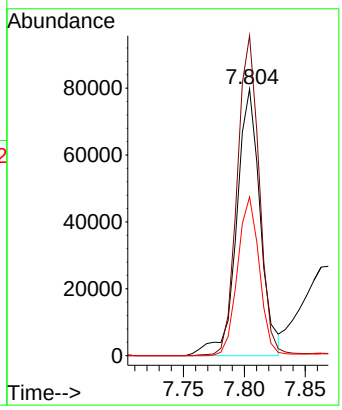


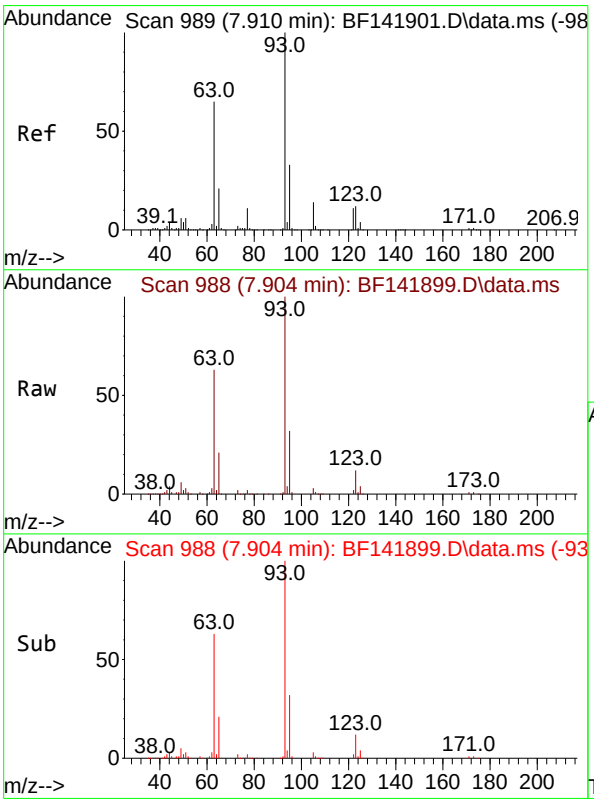
#27
2,4-Dimethylphenol
Concen: 9.784 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 107669

Ion	Ratio	Lower	Upper
122	100		
107	120.0	94.8	142.2
121	59.5	47.8	71.6

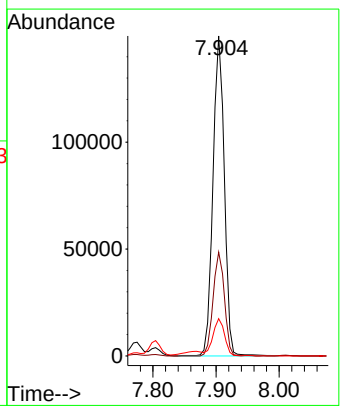


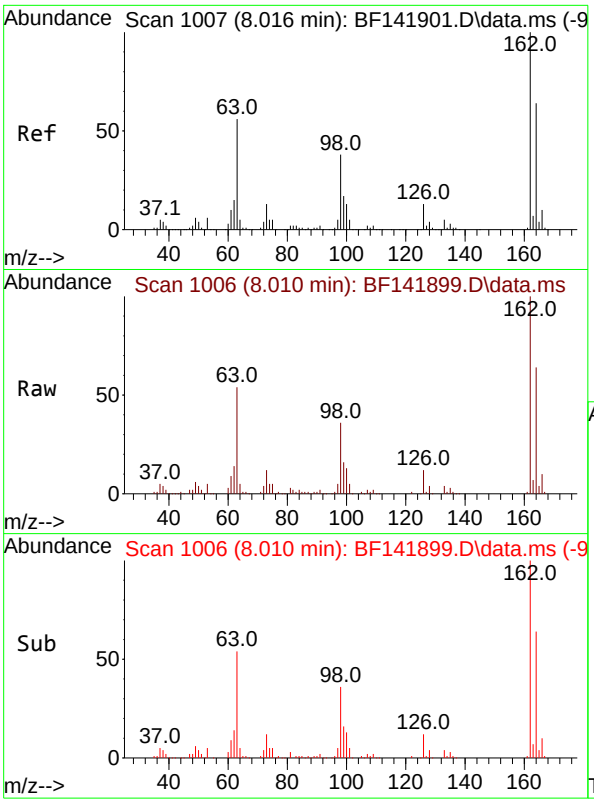


#28
bis(2-Chloroethoxy)methane
Concen: 10.298 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 93 Resp: 187307

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.6	40.0
123	11.6	10.2	15.4



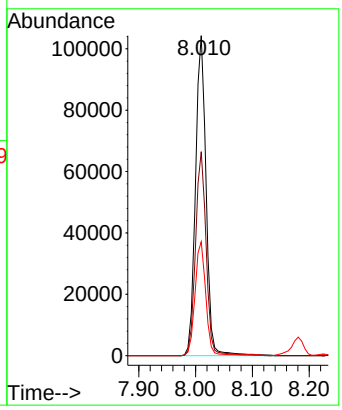


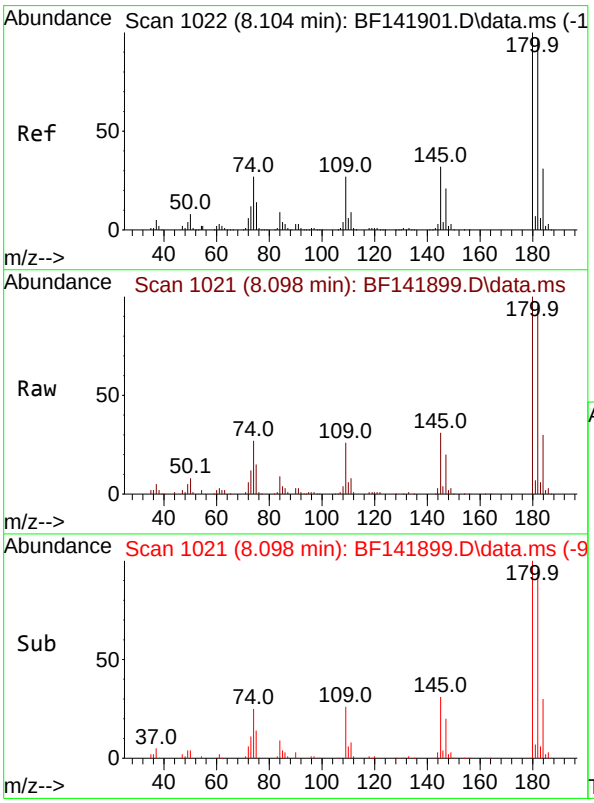
#29
2,4-Dichlorophenol
Concen: 9.941 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 135772

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.8	83.8
98	35.6	18.1	58.1

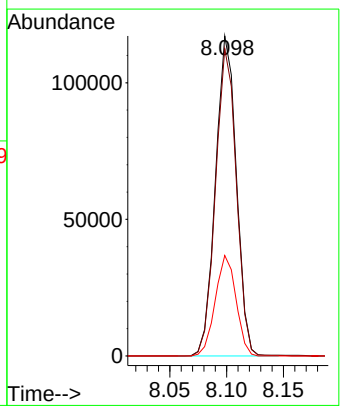


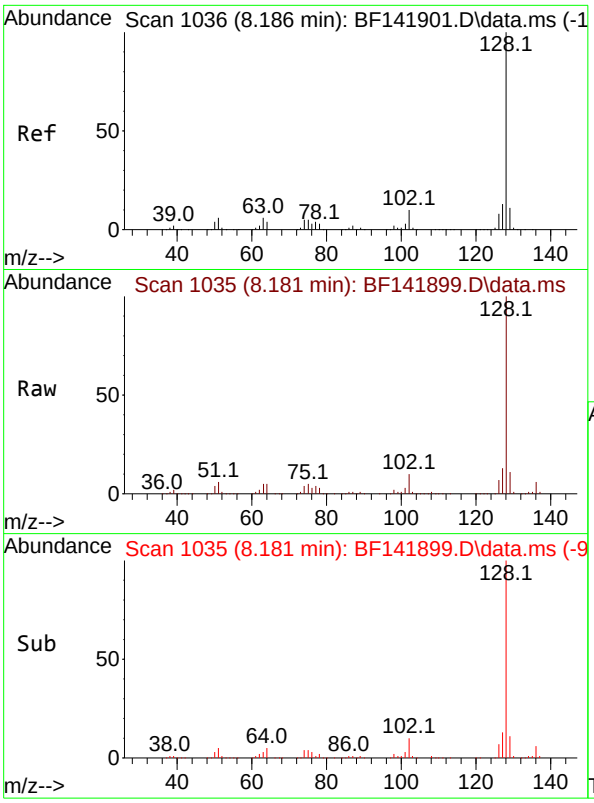


#30
1,2,4-Trichlorobenzene
Concen: 9.941 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:180 Resp: 149790

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.5	116.3
145	31.4	25.8	38.6



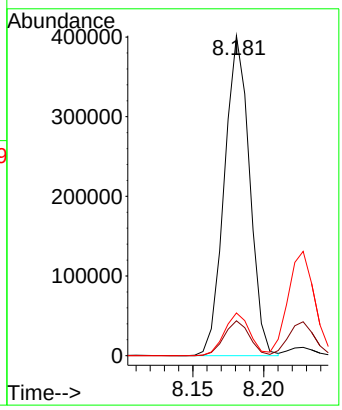


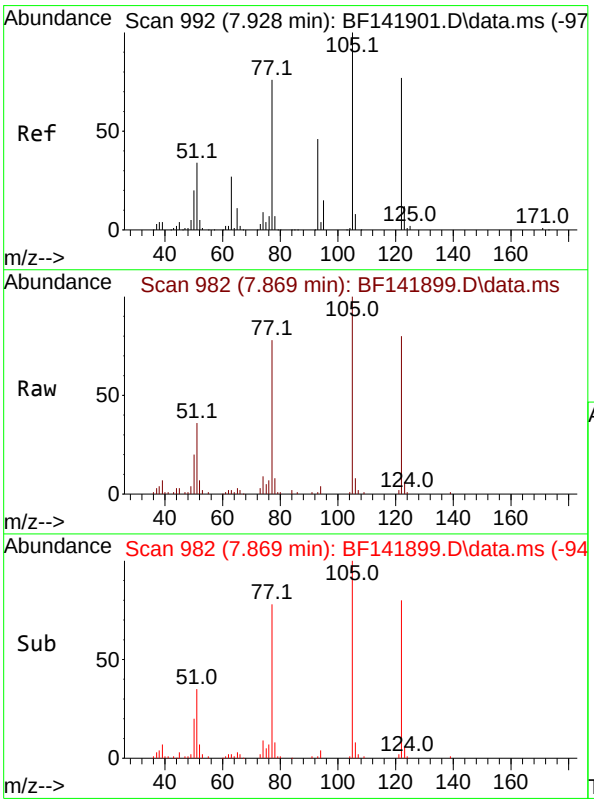
#31
Naphthalene
Concen: 10.493 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 495470

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	13.4	10.8	16.2

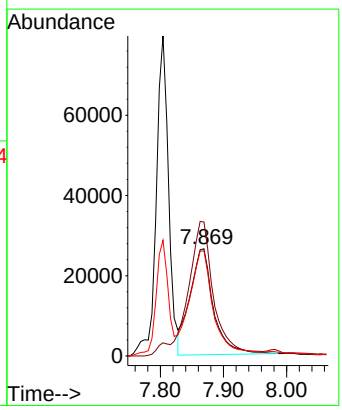


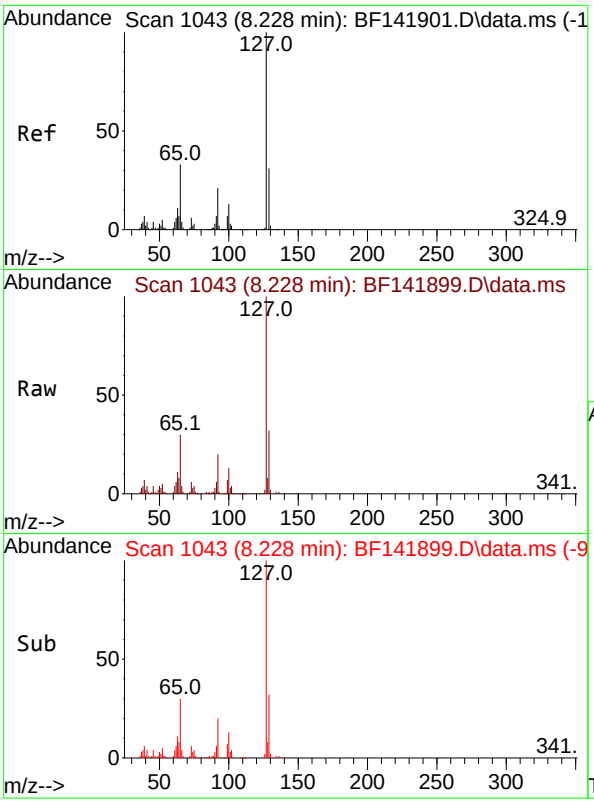


#32
Benzoic acid
Concen: 7.136 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.059 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:122 Resp: 68640

Ion	Ratio	Lower	Upper
122	100		
105	124.8	107.9	147.9
77	97.8	79.0	119.0



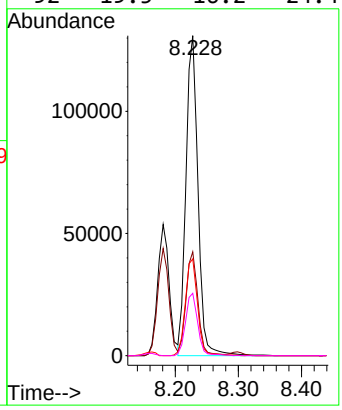


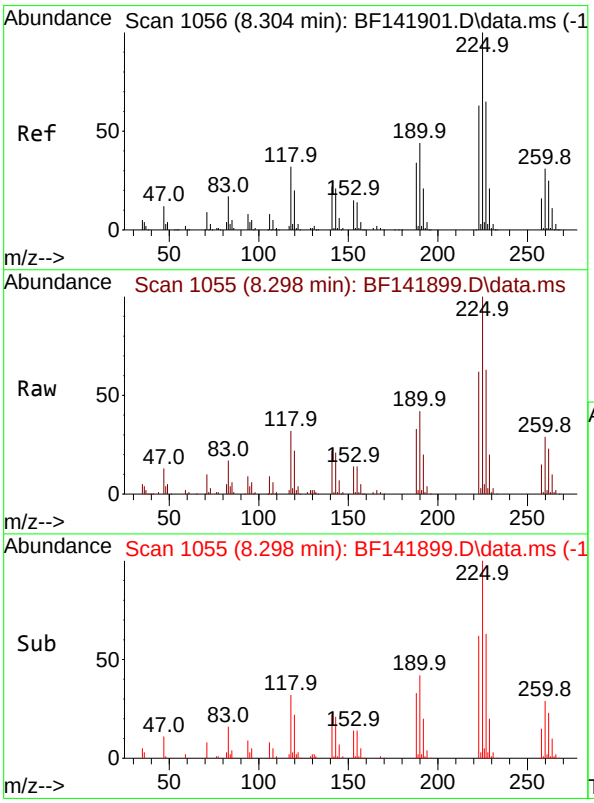
#33
4-Chloroaniline
Concen: 10.441 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 173977

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	30.3	25.4	38.2
92	19.5	16.2	24.4

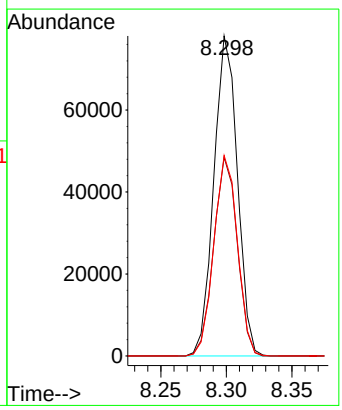


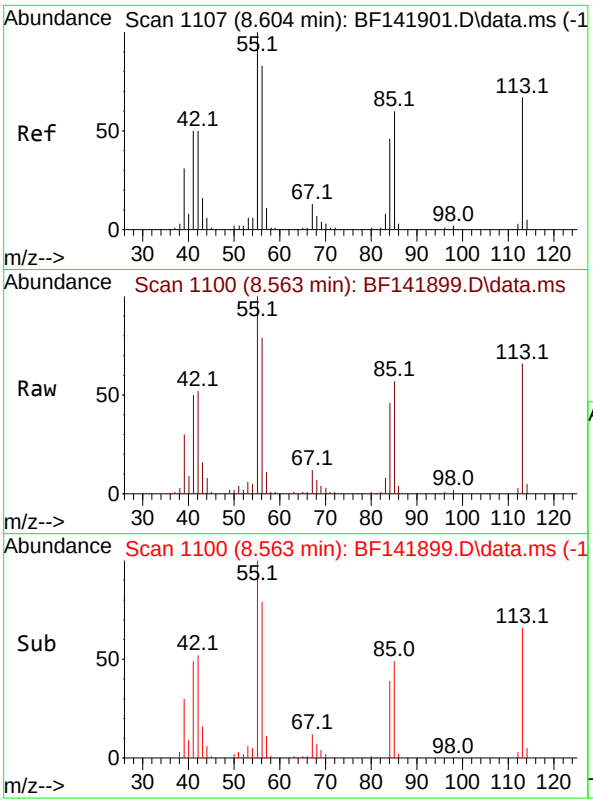


#34
Hexachlorobutadiene
Concen: 9.931 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:225 Resp: 97298

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.6	75.8
227	62.7	52.2	78.2



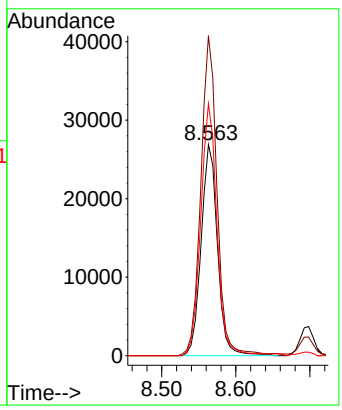


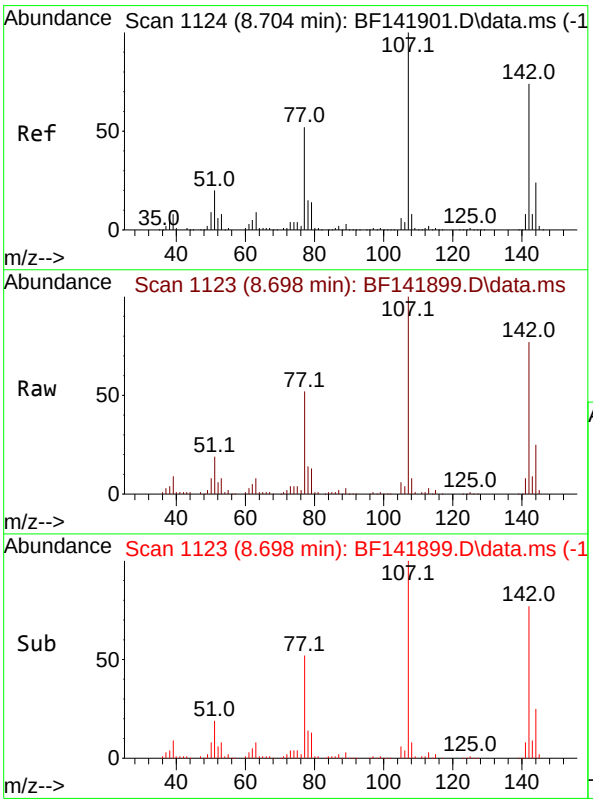
#35
Caprolactam
Concen: 9.922 ng
RT: 8.563 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 41208

Ion	Ratio	Lower	Upper
113	100		
55	151.6	129.6	169.6
56	119.3	104.0	144.0

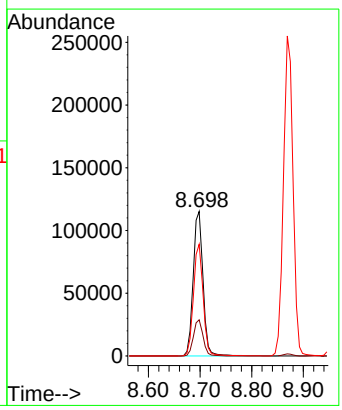


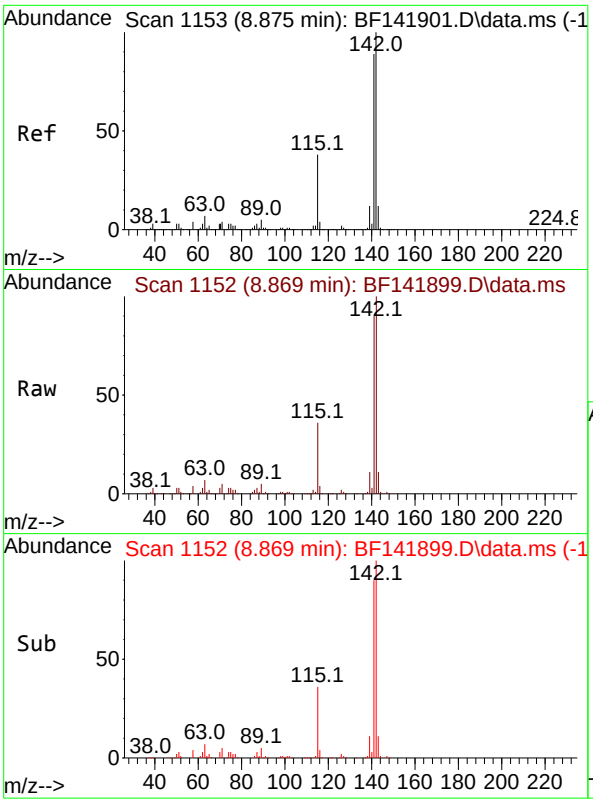


#36
4-Chloro-3-methylphenol
Concen: 10.029 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:107 Resp: 152340

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.0	28.6
142	77.3	59.2	88.8



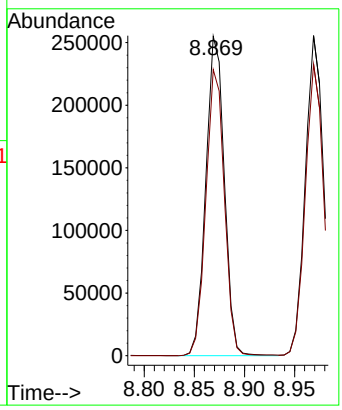


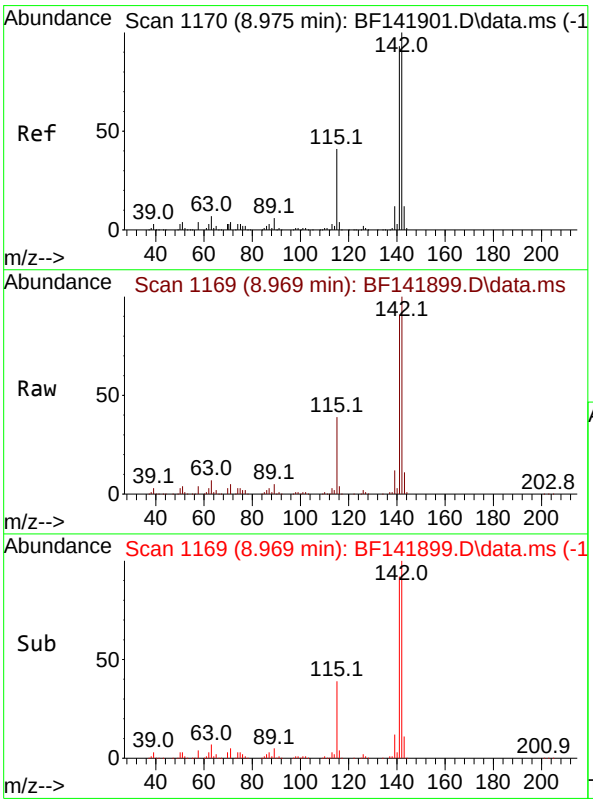
#37
2-Methylnaphthalene
Concen: 10.313 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 326733

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.2	106.8

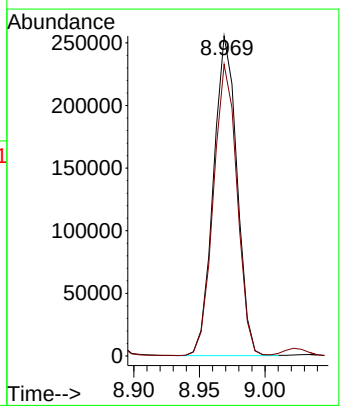


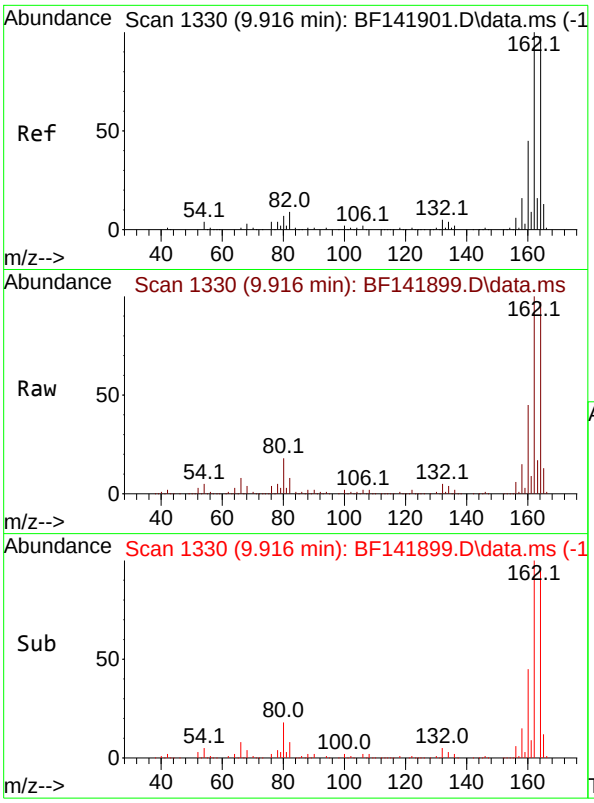


#38
1-Methylnaphthalene
Concen: 10.376 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:142 Resp: 318324

Ion	Ratio	Lower	Upper
142	100		
141	91.1	74.2	111.4



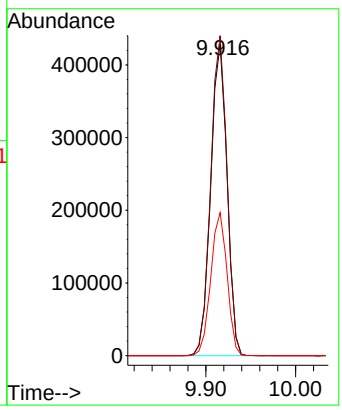


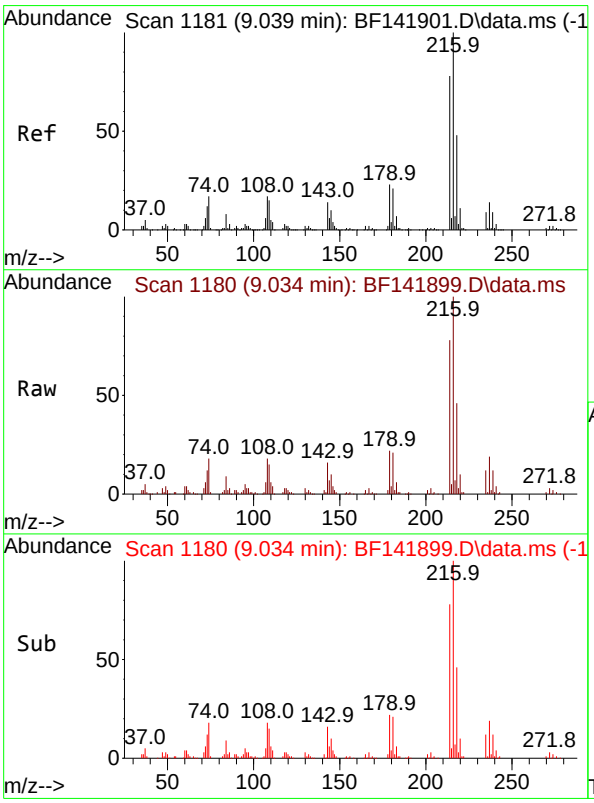
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 541295

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.8	122.6
160	45.9	36.7	55.1

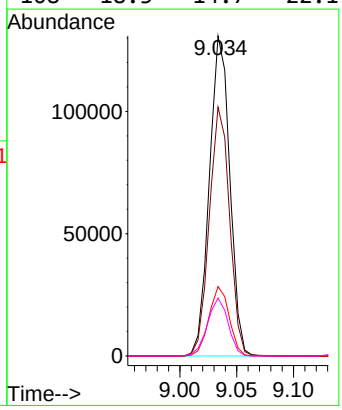


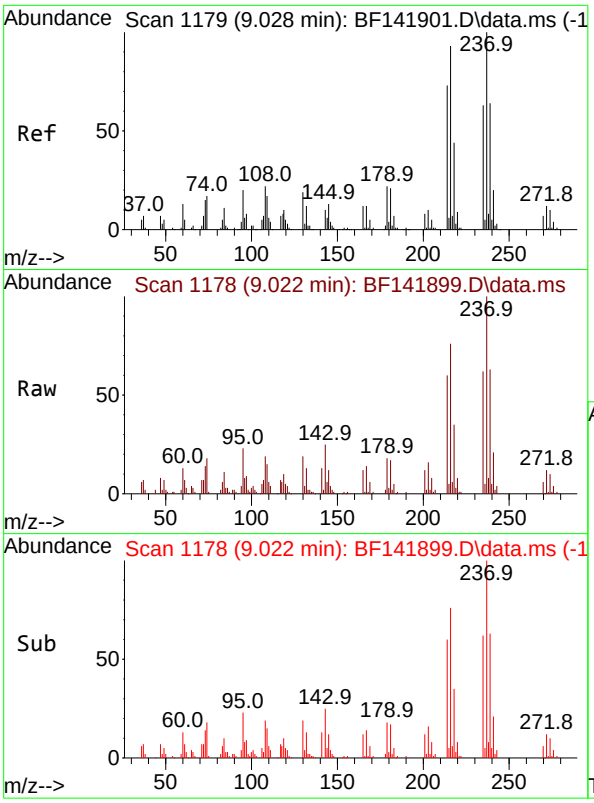


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.905 ng
RT: 9.034 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:216 Resp: 163481

Ion	Ratio	Lower	Upper
216	100		
214	77.1	61.9	92.9
179	21.5	18.1	27.1
108	18.3	14.7	22.1



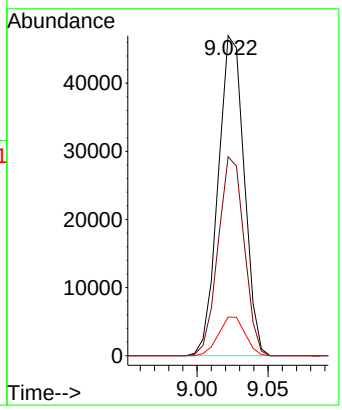


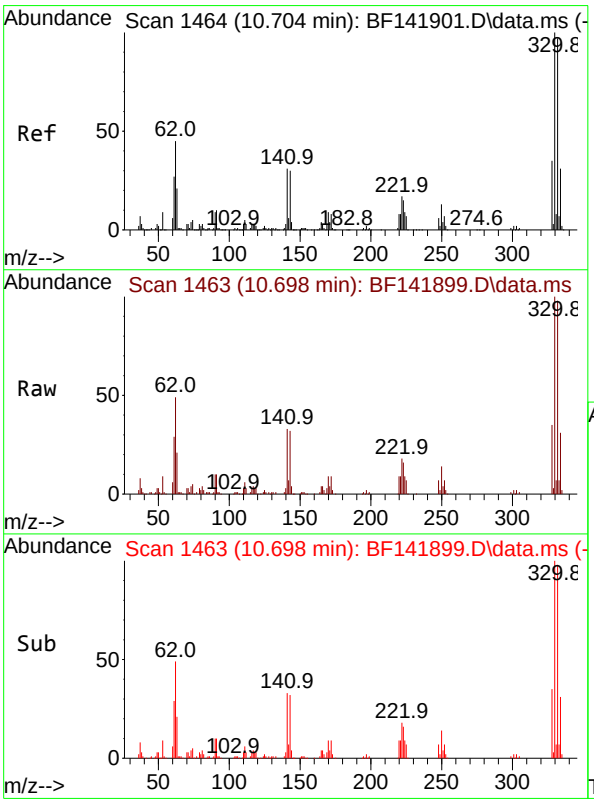
#41
Hexachlorocyclopentadiene
Concen: 9.177 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 59769

Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.1	83.1
272	12.0	0.0	32.0

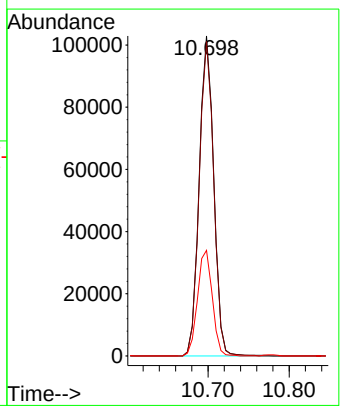


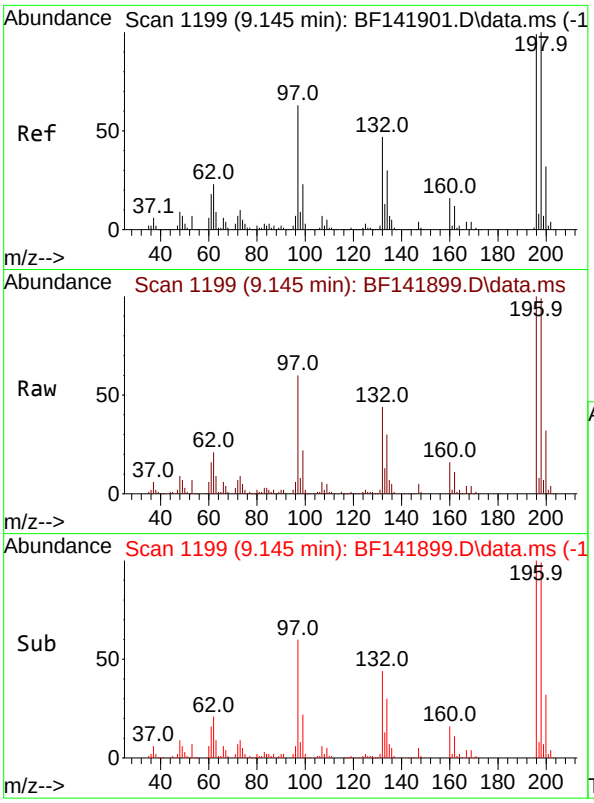


#42
2,4,6-Tribromophenol
Concen: 18.630 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:330 Resp: 127785

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.6	116.4
141	33.6	24.7	37.1



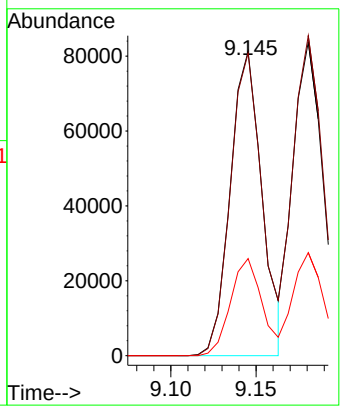


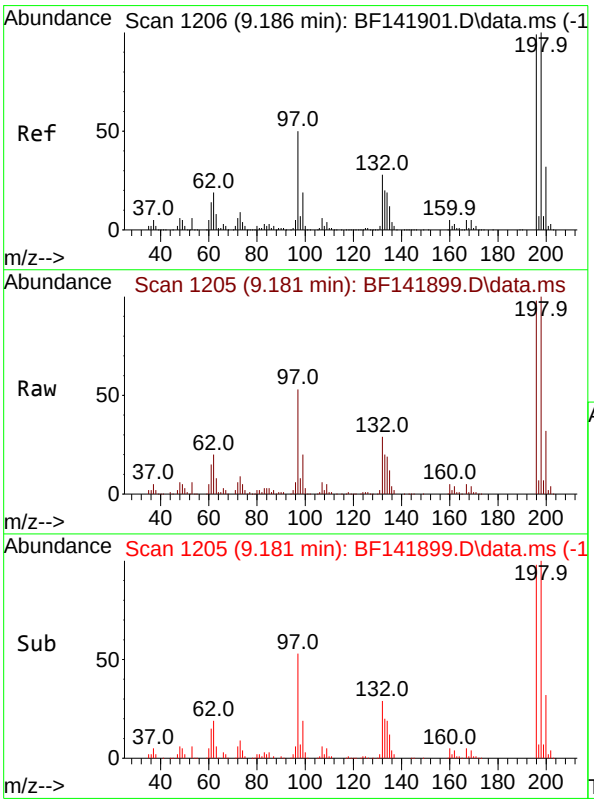
#43
2,4,6-Trichlorophenol
Concen: 9.777 ng
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 105191

Ion	Ratio	Lower	Upper
196	100		
198	99.4	80.6	121.0
200	31.9	25.8	38.6

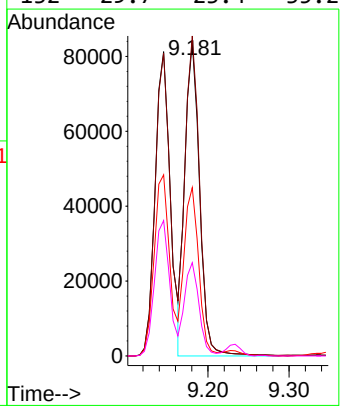


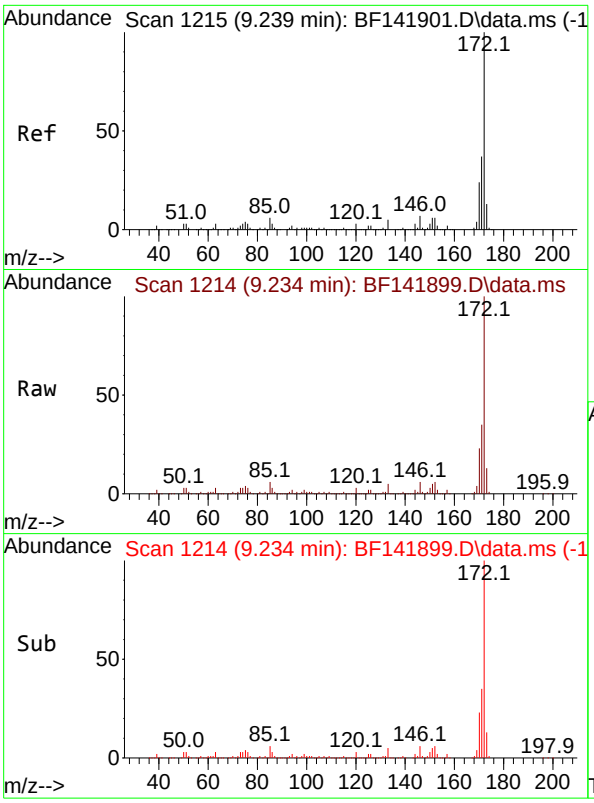


#44
2,4,5-Trichlorophenol
Concen: 9.692 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:196 Resp: 105943

Ion	Ratio	Lower	Upper
196	100		
198	102.0	80.7	121.1
97	53.7	42.1	63.1
132	29.7	23.4	35.2



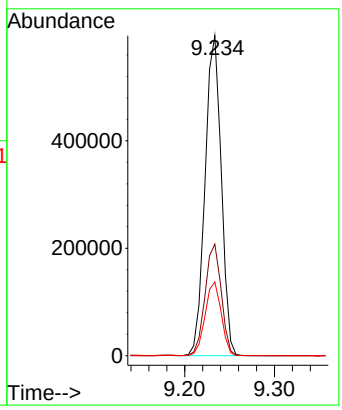


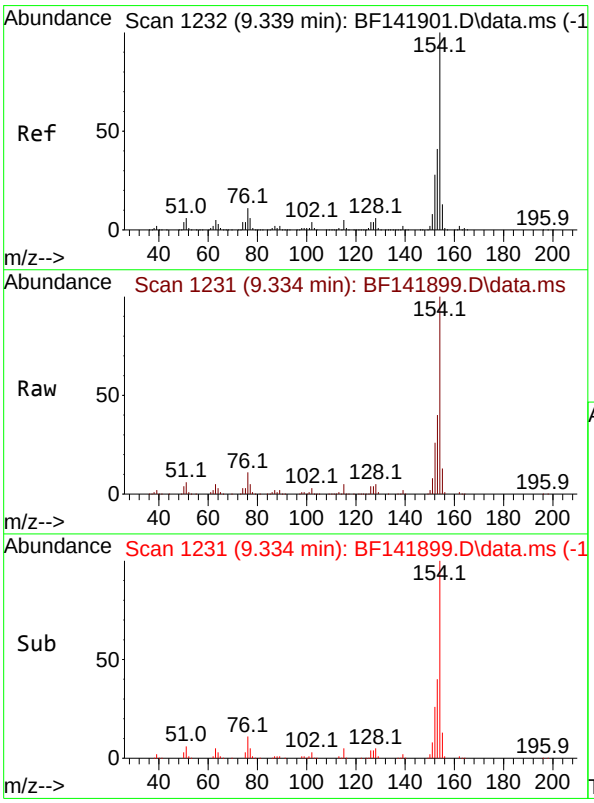
#45
2-Fluorobiphenyl
Concen: 21.003 ng
RT: 9.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 746589

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.3	43.9
170	23.1	19.4	29.0

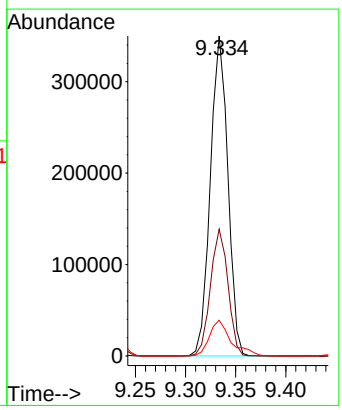


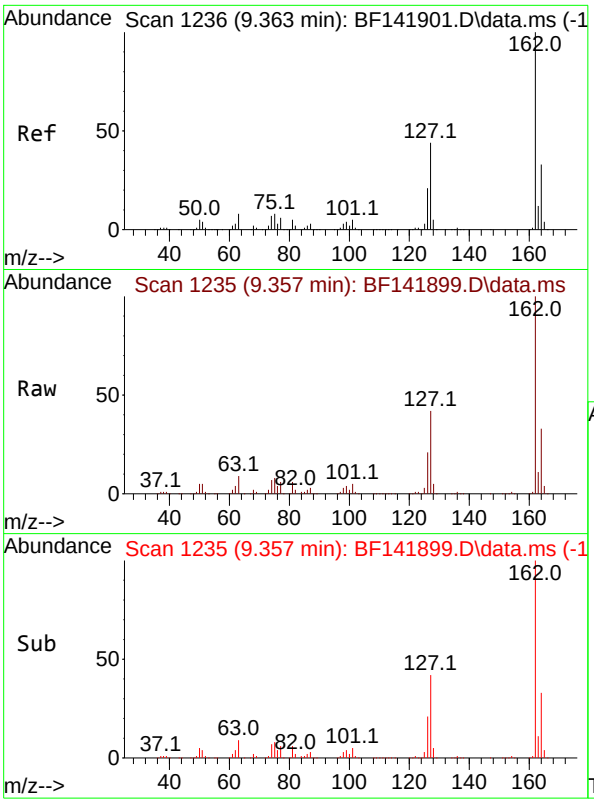


#46
1,1'-Biphenyl
Concen: 10.372 ng
RT: 9.334 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:154 Resp: 425640

Ion	Ratio	Lower	Upper
154	100		
153	39.6	21.1	61.1
76	11.1	0.0	31.3



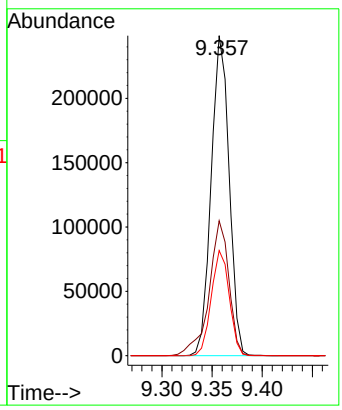


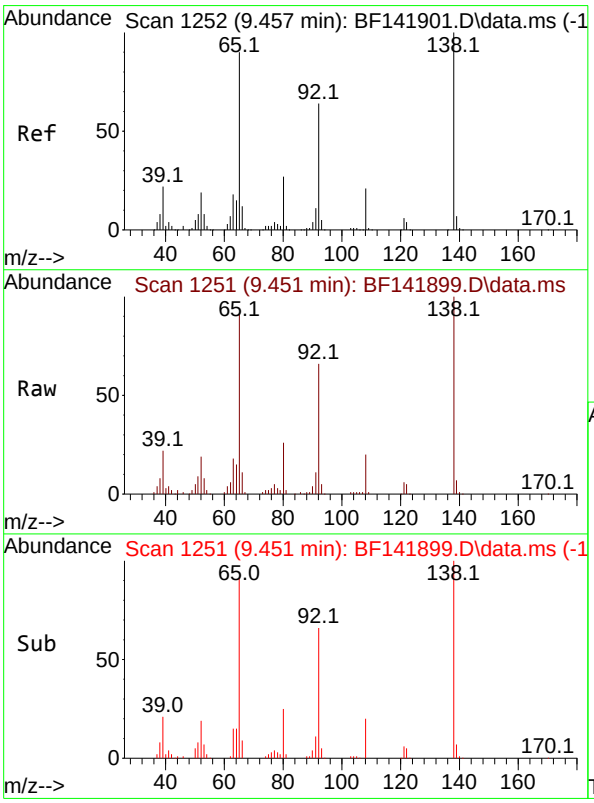
#47
2-Chloronaphthalene
Concen: 10.094 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 308729

Ion	Ratio	Lower	Upper
162	100		
127	42.1	35.5	53.3
164	32.9	26.6	40.0

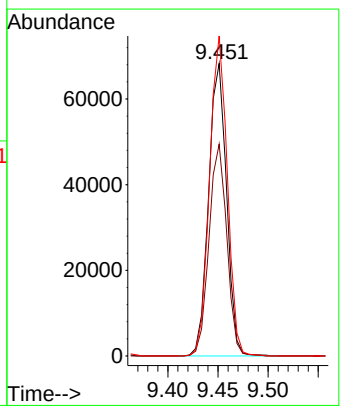


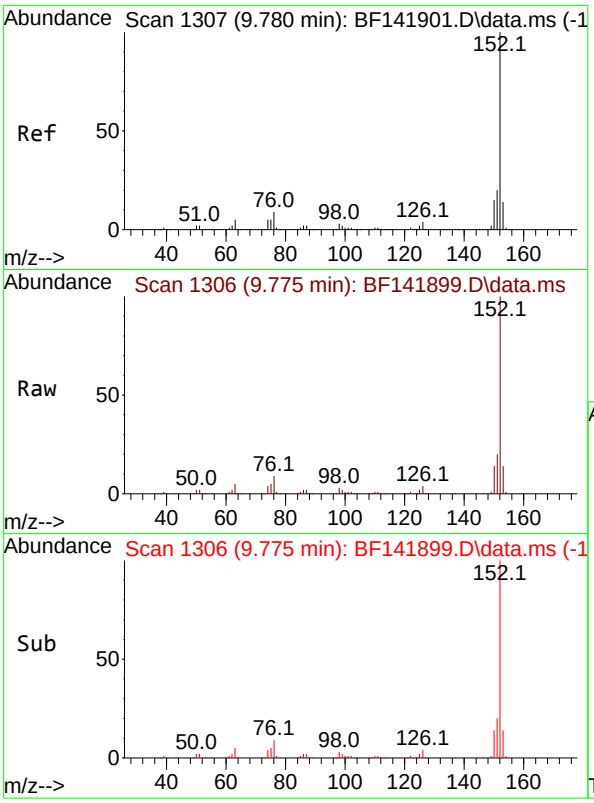


#48
2-Nitroaniline
Concen: 9.658 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 65 Resp: 84854

Ion	Ratio	Lower	Upper
65	100		
92	72.5	56.6	84.8
138	109.4	88.6	133.0



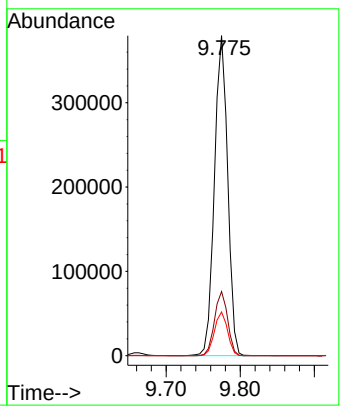


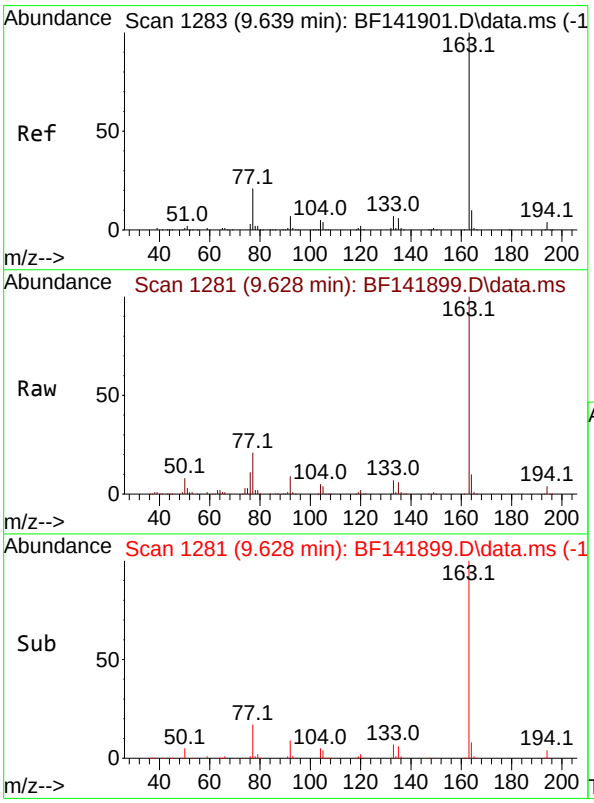
#49
Acenaphthylene
Concen: 10.383 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 470801

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.7	11.1	16.7

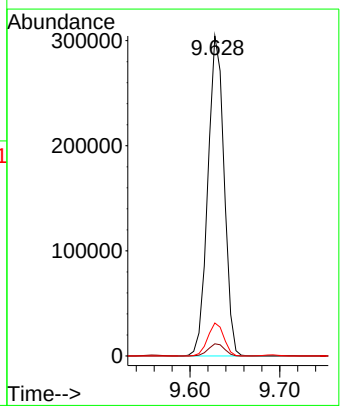


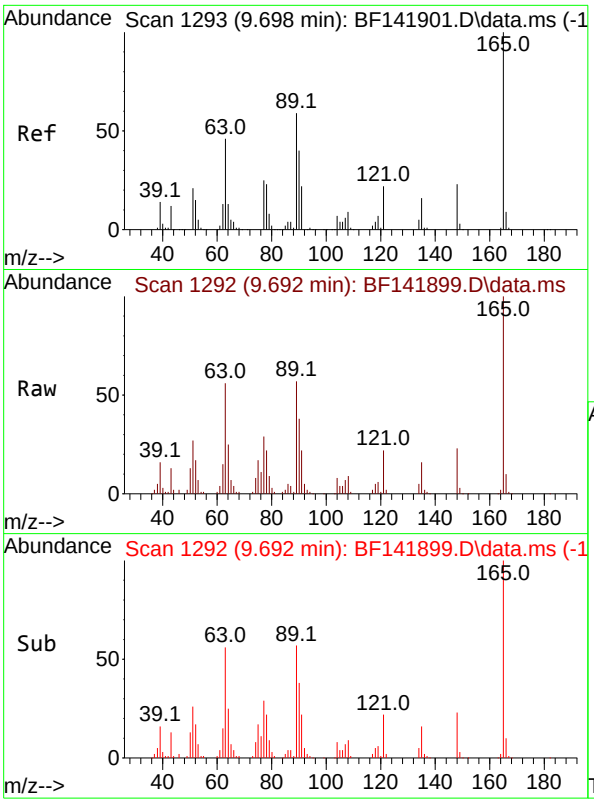


#50
Dimethylphthalate
Concen: 10.176 ng
RT: 9.628 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:163 Resp: 382722

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.3	8.2	12.4



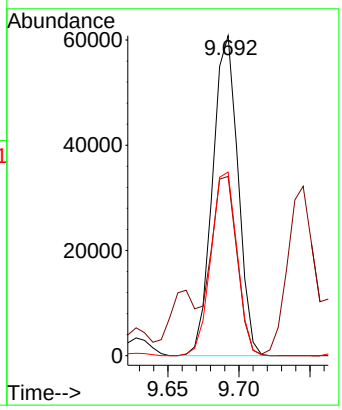


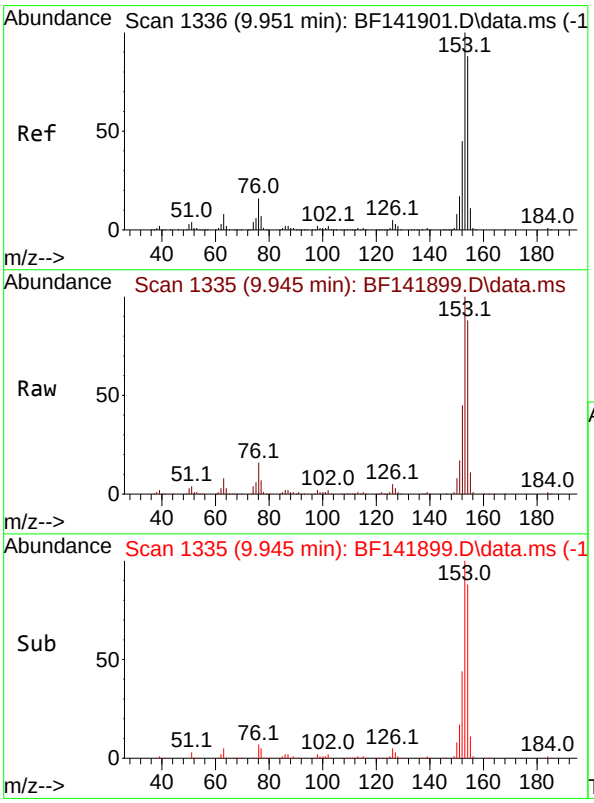
#51
2,6-Dinitrotoluene
Concen: 9.663 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 75577

Ion	Ratio	Lower	Upper
165	100		
63	56.0	47.0	70.4
89	57.4	47.4	71.2

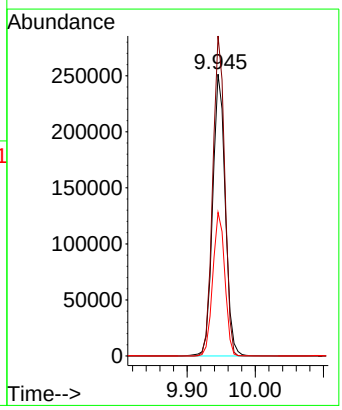


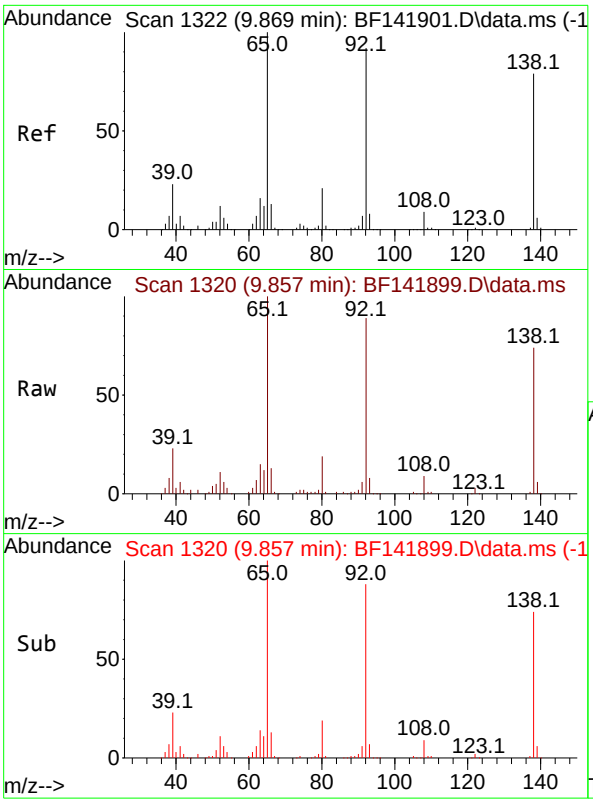


#52
Acenaphthene
Concen: 10.101 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:154 Resp: 323406

Ion	Ratio	Lower	Upper
154	100		
153	113.6	90.7	136.1
152	50.9	41.1	61.7



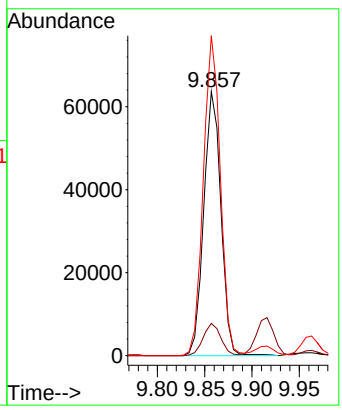


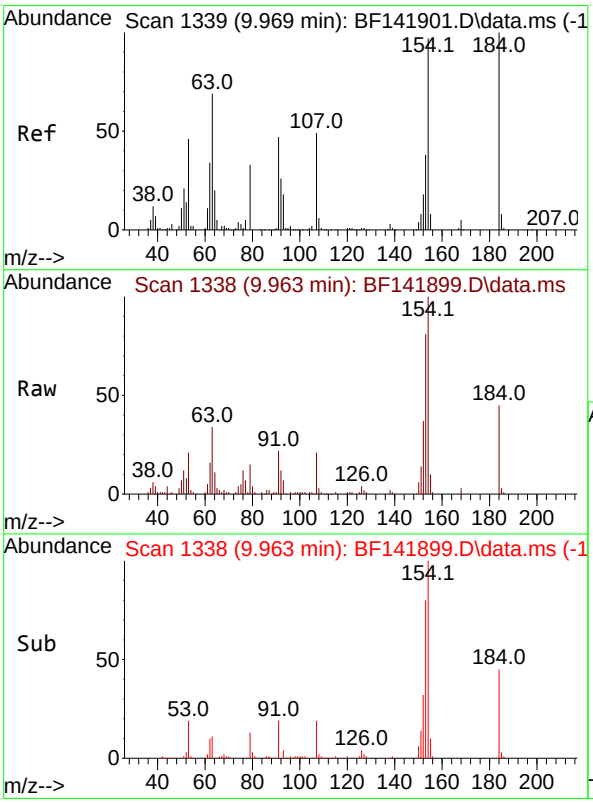
#53
3-Nitroaniline
Concen: 9.955 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 79944

Ion	Ratio	Lower	Upper
138	100		
108	12.2	9.3	13.9
92	121.1	93.5	140.3

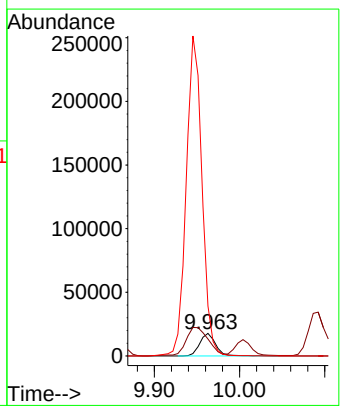


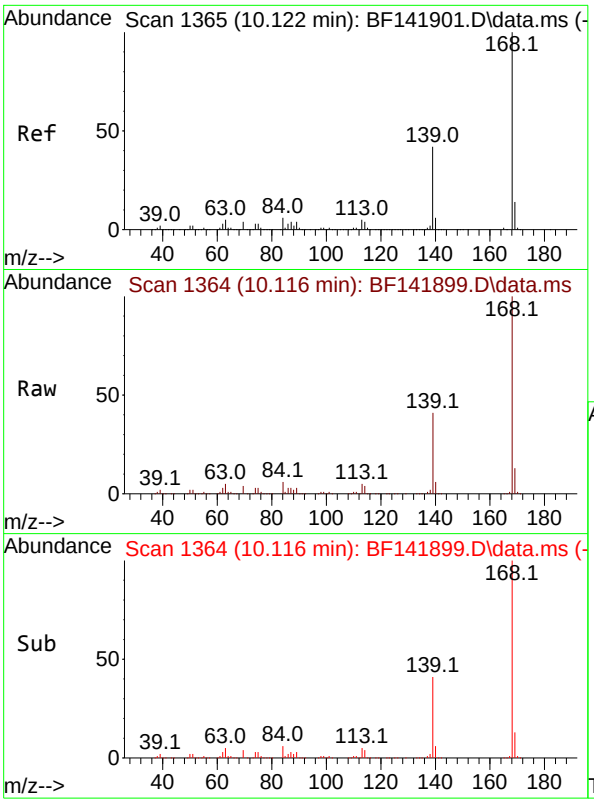


#54
2,4-Dinitrophenol
Concen: 11.386 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:184 Resp: 23121

Ion	Ratio	Lower	Upper
184	100		
63	75.2	60.2	90.4
154	222.1	132.9	199.3#



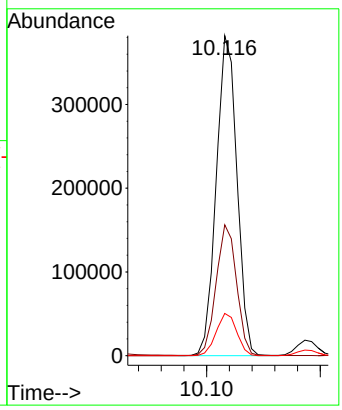


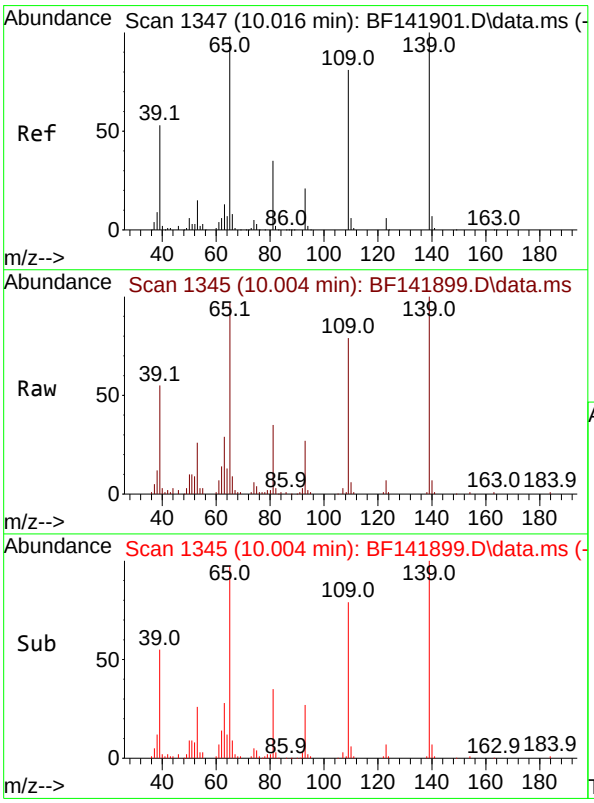
#55
Dibenzofuran
Concen: 10.593 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 483596

Ion	Ratio	Lower	Upper
168	100		
139	40.9	33.9	50.9
169	13.2	11.0	16.4

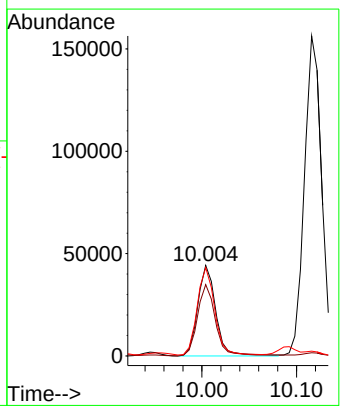


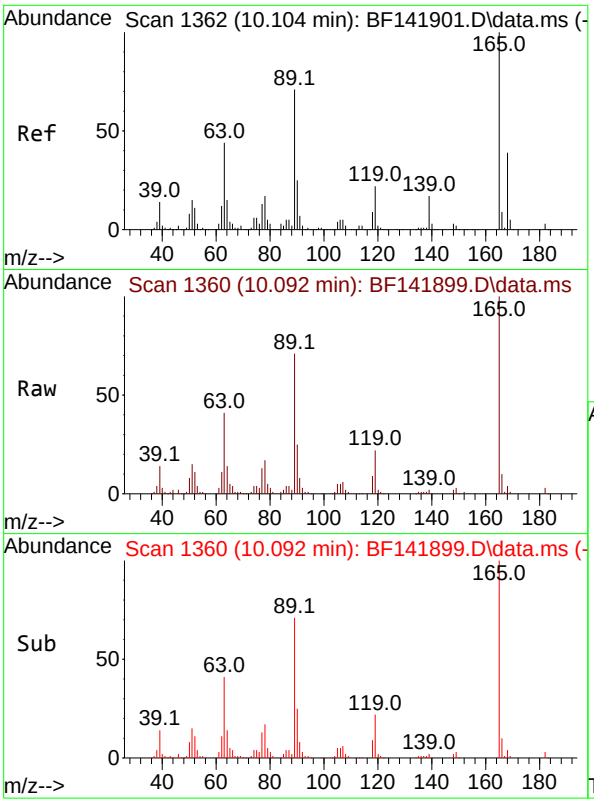


#56
4-Nitrophenol
Concen: 9.706 ng
RT: 10.004 min Scan# 1345
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:139 Resp: 58549

Ion	Ratio	Lower	Upper
139	100		
109	78.8	61.6	101.6
65	97.5	79.4	119.4



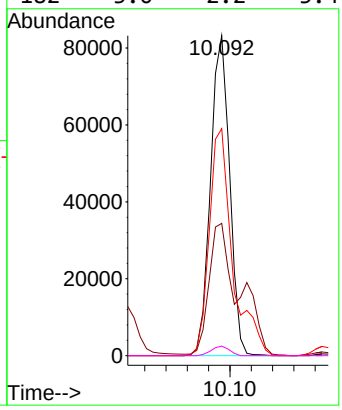


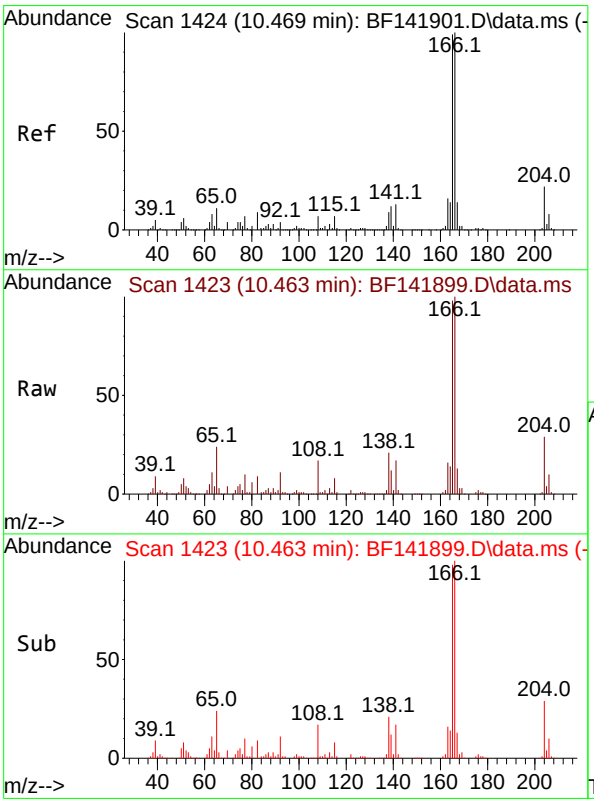
#57
2,4-Dinitrotoluene
Concen: 10.035 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 103313

Ion	Ratio	Lower	Upper
165	100		
63	41.3	35.4	53.2
89	70.9	56.6	84.8
182	3.0	2.2	3.4

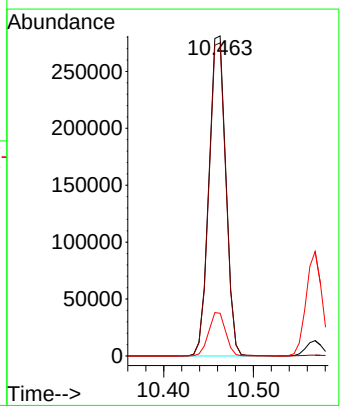


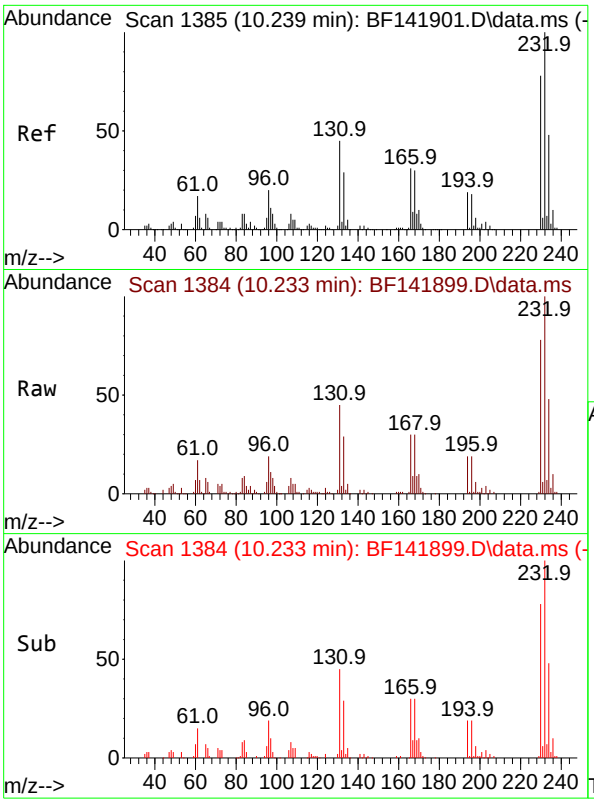


#58
Fluorene
Concen: 10.452 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:166 Resp: 368370

Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.0	118.4
167	13.3	11.0	16.4



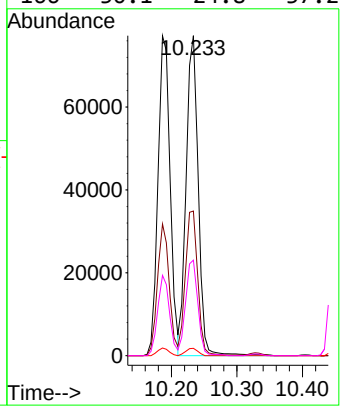


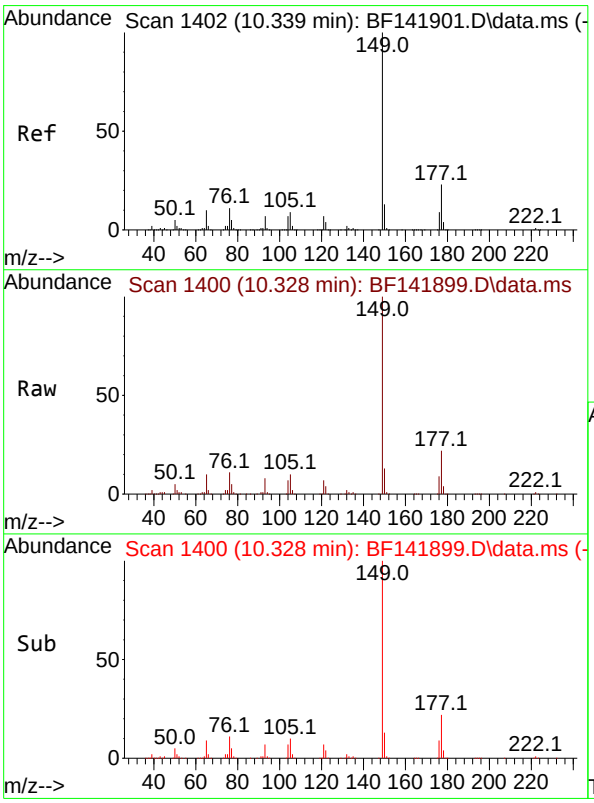
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.954 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 98725

Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.3	55.9
130	2.3	1.9	2.9
166	30.1	24.8	37.2

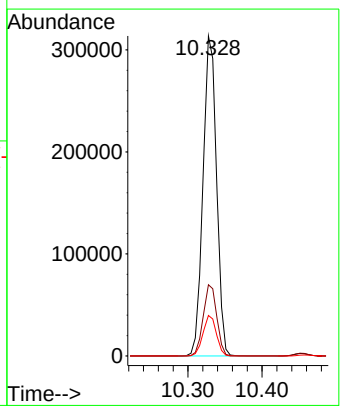


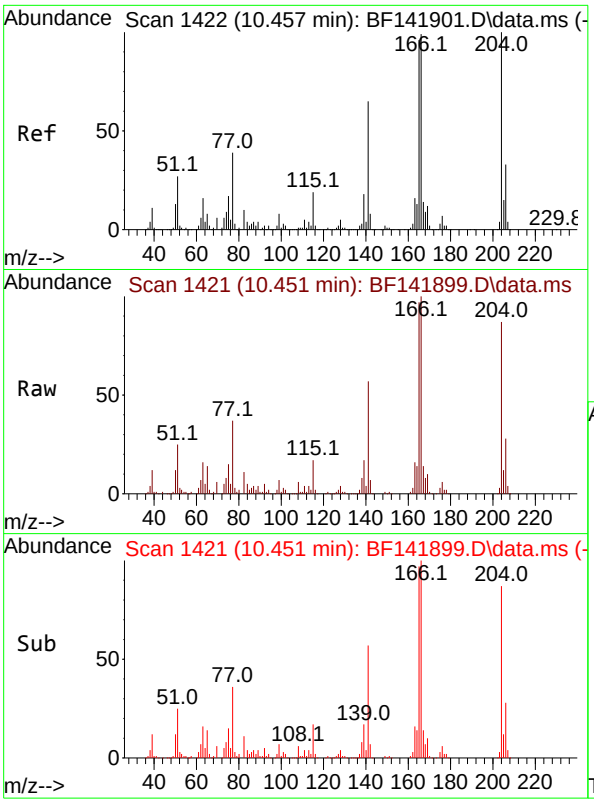


#60
Diethylphthalate
Concen: 10.542 ng
RT: 10.328 min Scan# 1400
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 398003

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.0	27.0
150	12.7	10.2	15.4



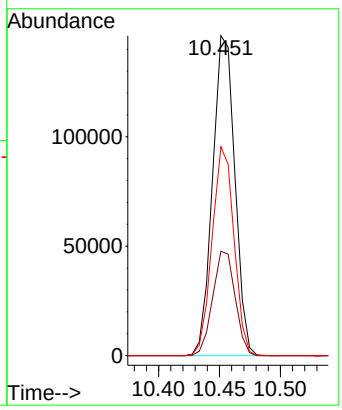


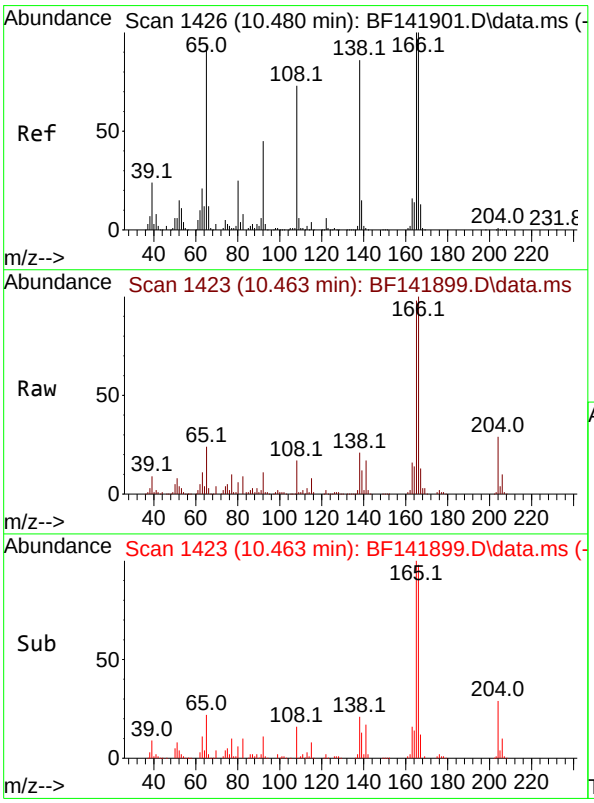
#61
4-Chlorophenyl-phenylether
Concen: 10.145 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 186237

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.8	40.2
141	65.3	52.4	78.6

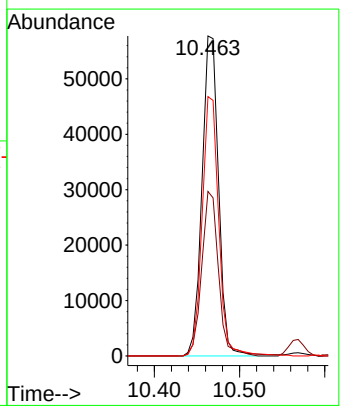


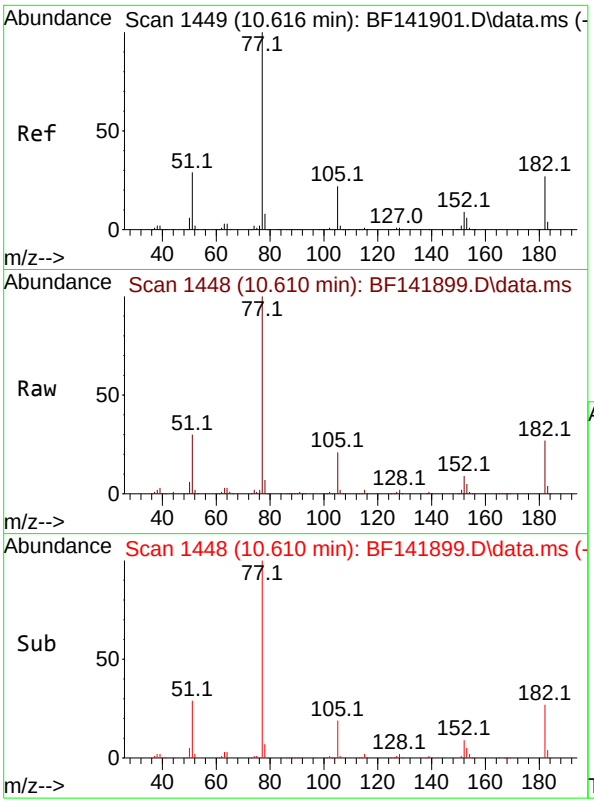


#62
4-Nitroaniline
Concen: 10.030 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.017 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:138 Resp: 78048

Ion	Ratio	Lower	Upper
138	100		
92	51.4	32.6	72.6
108	81.1	65.0	105.0



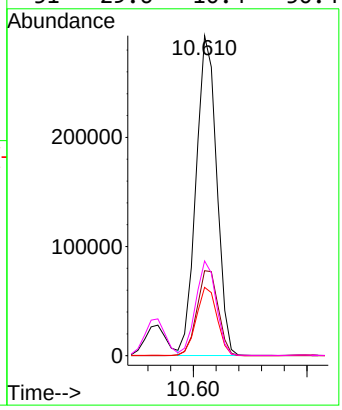


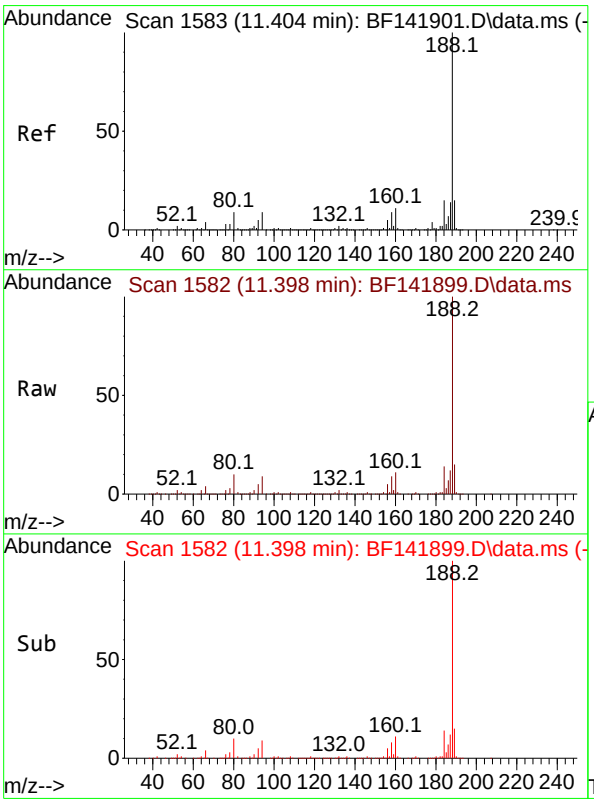
#63
Azobenzene
Concen: 10.521 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 368982

Ion	Ratio	Lower	Upper
77	100		
182	26.6	6.6	46.6
105	21.3	1.3	41.3
51	29.6	10.4	50.4

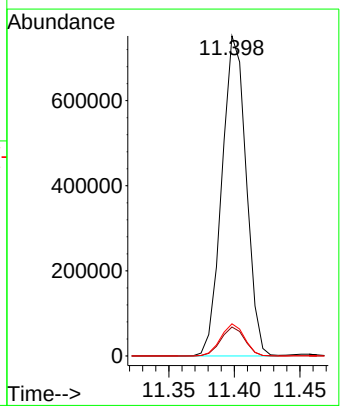


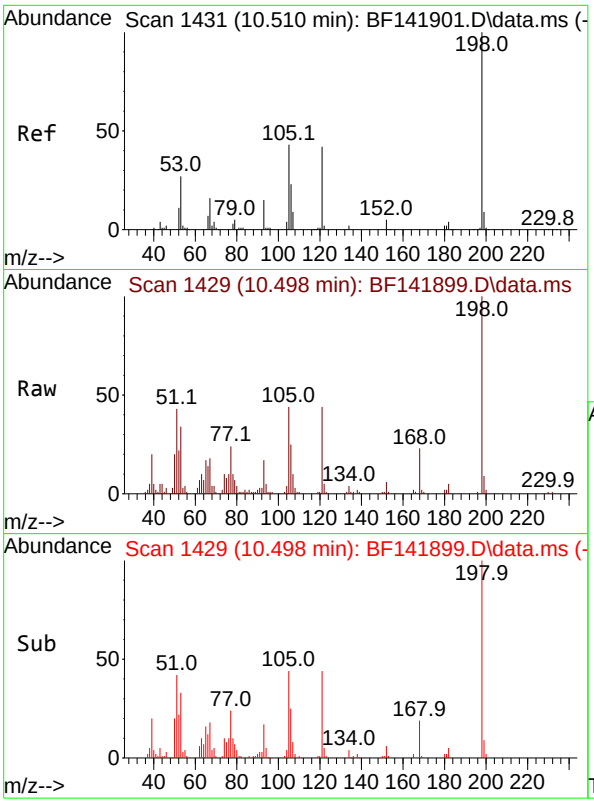


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:188 Resp: 966771

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.8	10.2
80	10.0	7.6	11.4



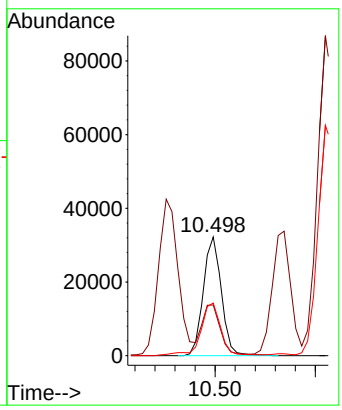


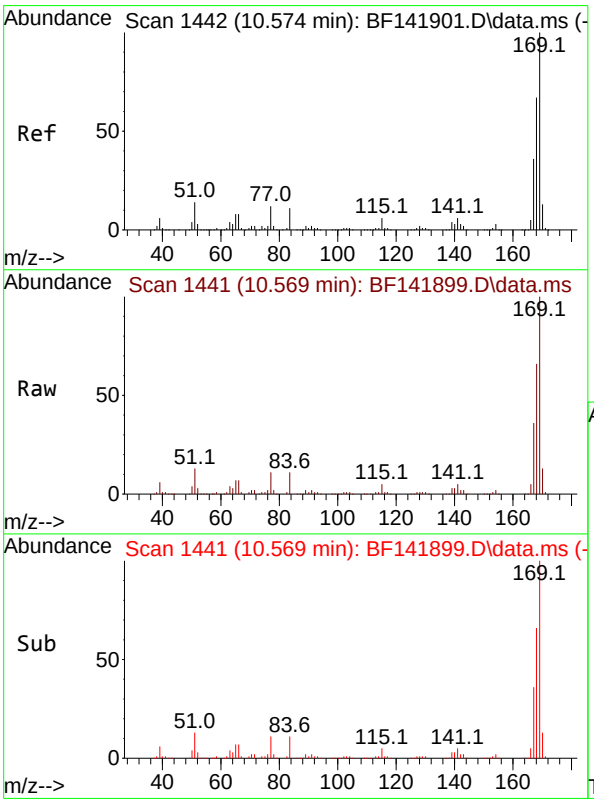
#65
4,6-Dinitro-2-methylphenol
Concen: 7.040 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 40348

Ion	Ratio	Lower	Upper
198	100		
51	42.7	22.3	62.3
105	44.3	23.0	63.0

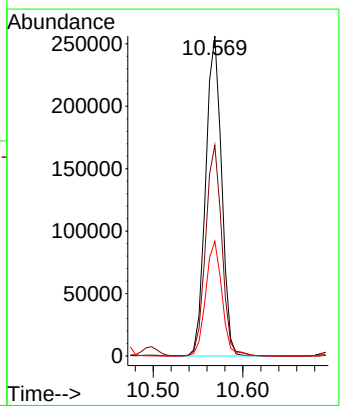


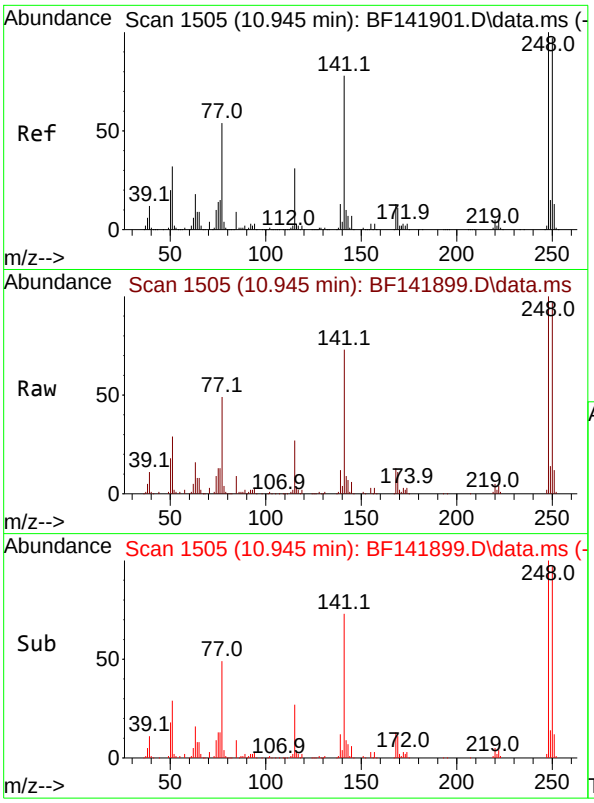


#66
n-Nitrosodiphenylamine
Concen: 10.078 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:169 Resp: 314758

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.7	80.5
167	35.8	29.2	43.8



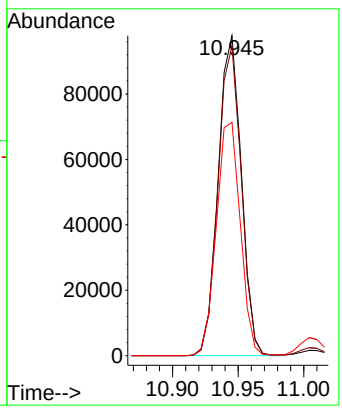


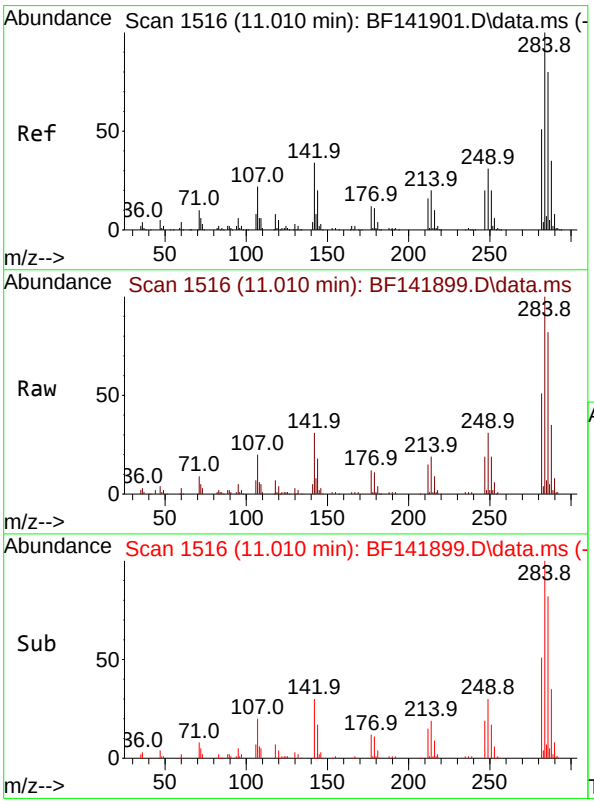
#67
4-Bromophenyl-phenylether
Concen: 10.011 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 120534

Ion	Ratio	Lower	Upper
248	100		
250	96.8	77.8	116.8
141	72.9	62.6	93.8

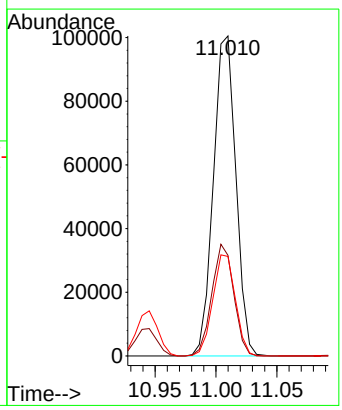


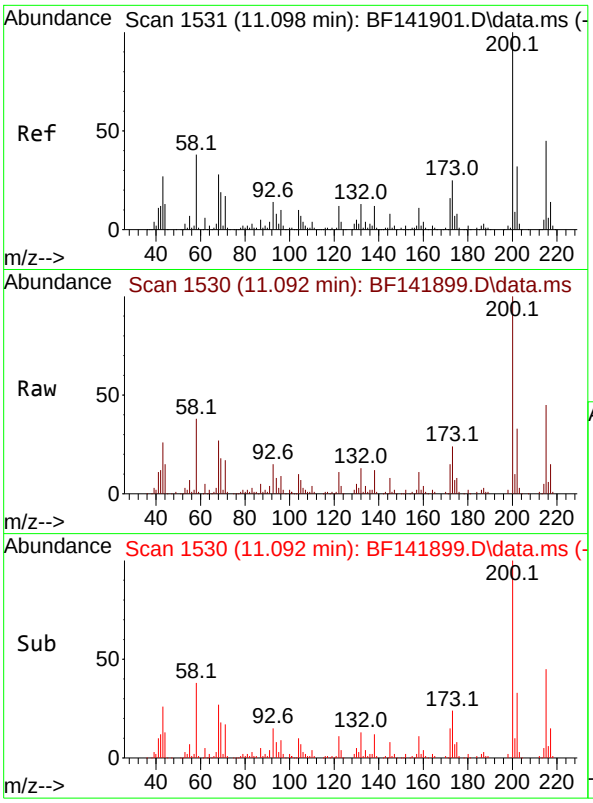


#68
Hexachlorobenzene
Concen: 9.712 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:284 Resp: 129242

Ion	Ratio	Lower	Upper
284	100		
142	31.4	27.0	40.6
249	31.1	25.2	37.8



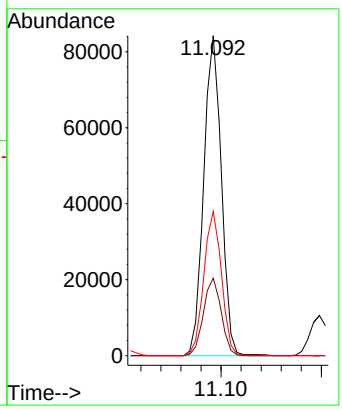


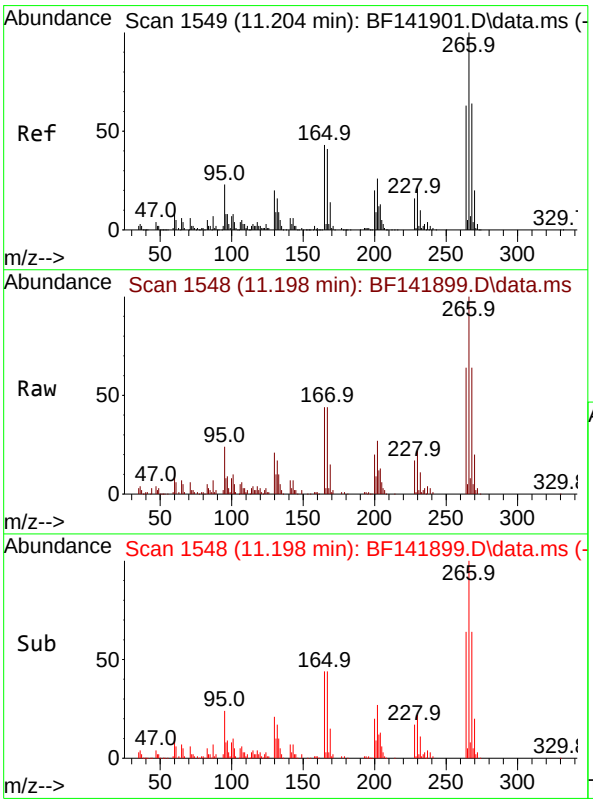
#69
Atrazine
Concen: 13.502 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 102822

Ion	Ratio	Lower	Upper
200	100		
173	24.3	4.7	44.7
215	45.0	25.4	65.4

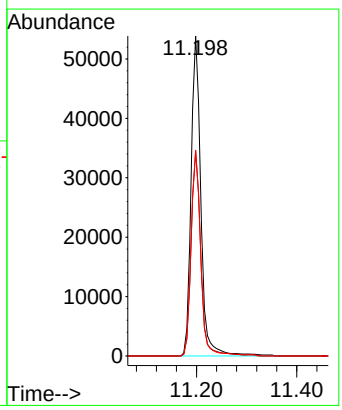


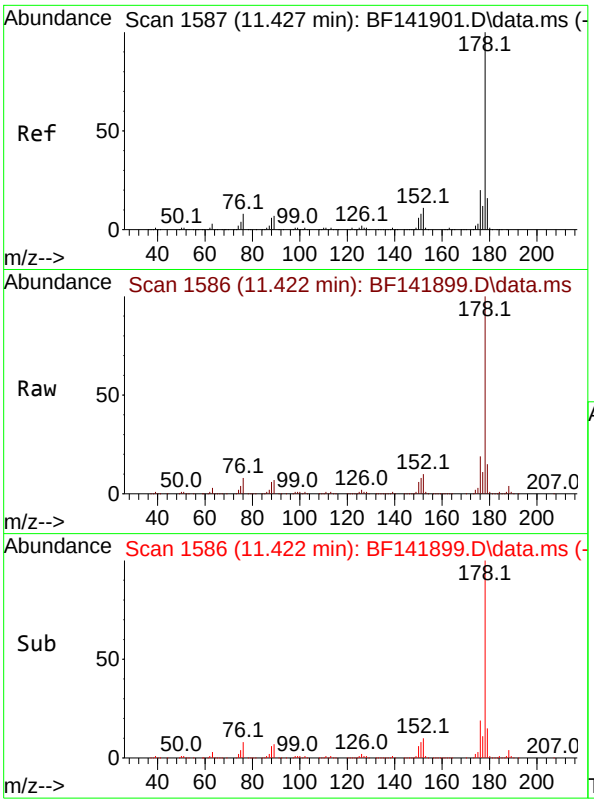


#70
Pentachlorophenol
Concen: 8.909 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:266 Resp: 73112

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.0	76.6
264	64.3	50.2	75.2



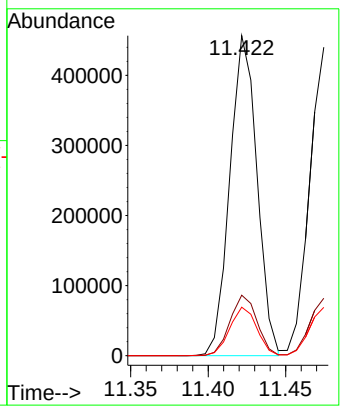


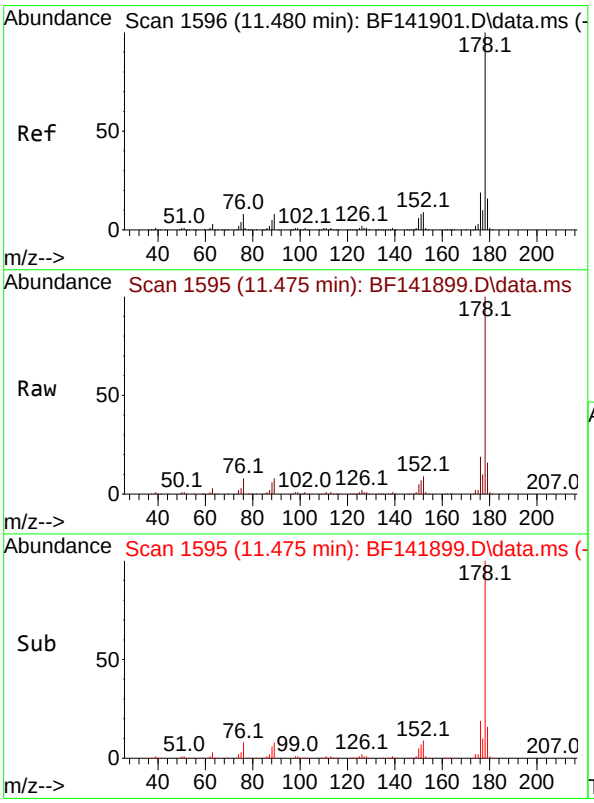
#71
Phenanthrene
Concen: 10.646 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 556546

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.2	12.6	19.0

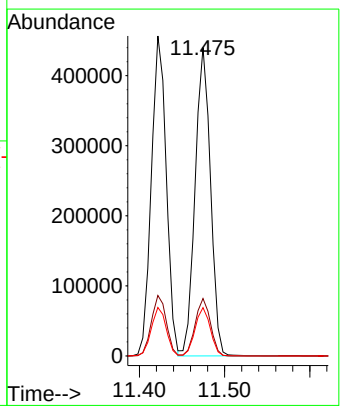


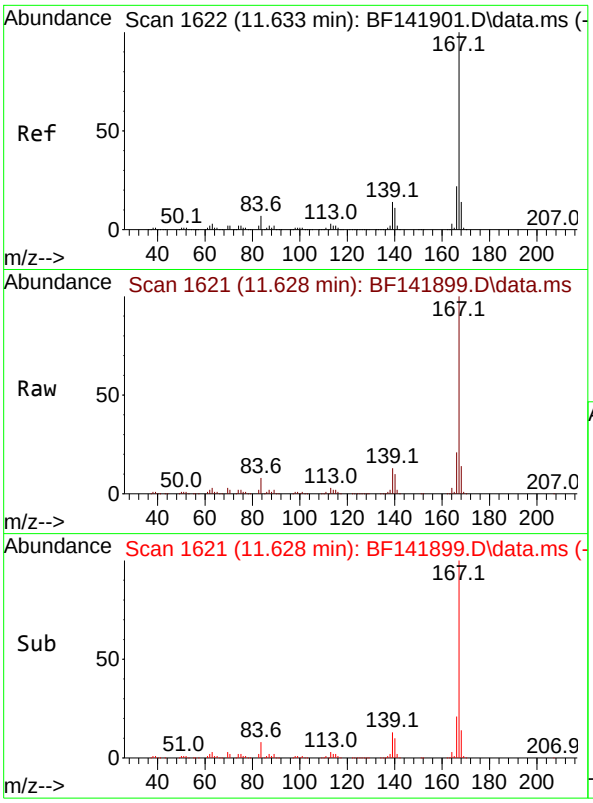


#72
Anthracene
Concen: 10.501 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:178 Resp: 550767

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.7	12.6	19.0



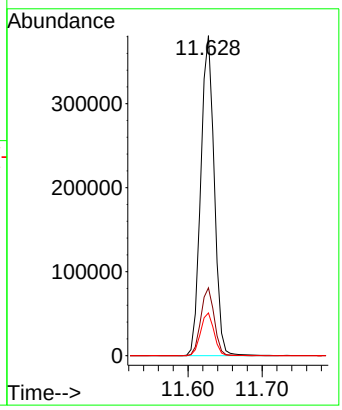


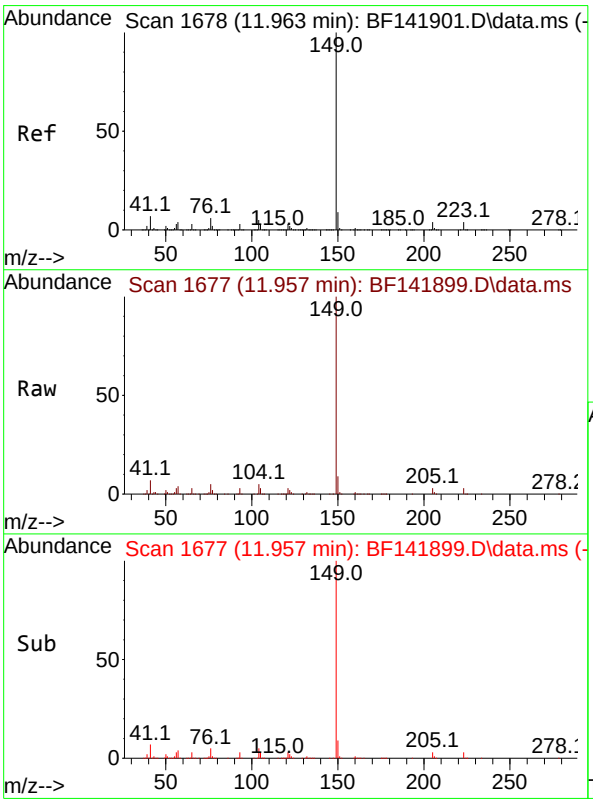
#73
Carbazole
Concen: 10.641 ng
RT: 11.628 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 480520

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.4	26.2
139	13.3	11.0	16.6

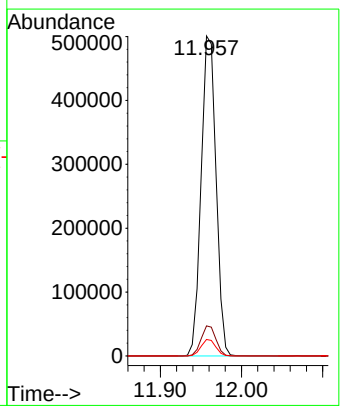


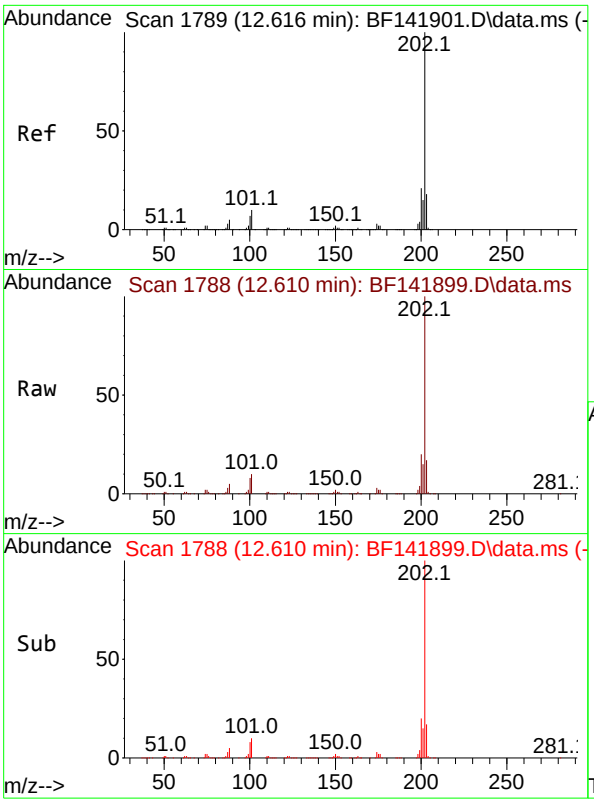


#74
Di-n-butylphthalate
Concen: 10.708 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 638429

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.6	11.4
104	5.2	4.4	6.6



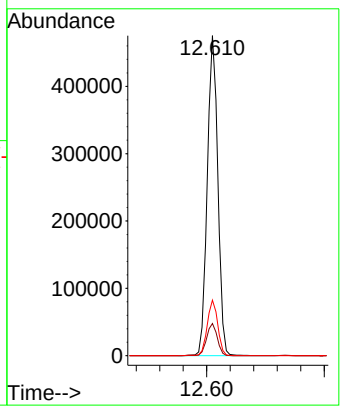


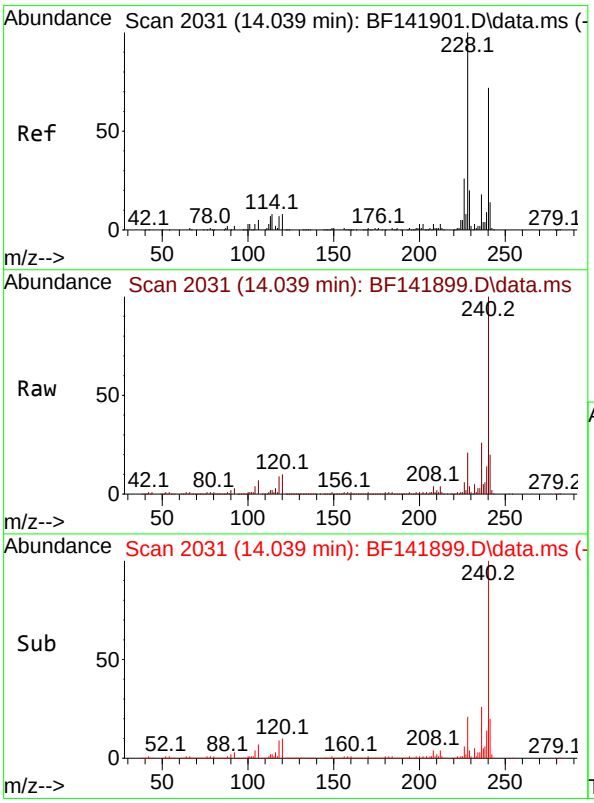
#75
Fluoranthene
Concen: 10.801 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 592806

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	29.7
203	17.4	0.0	37.8

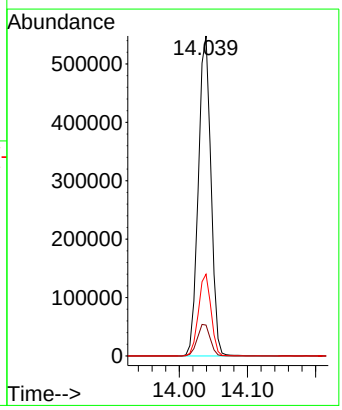


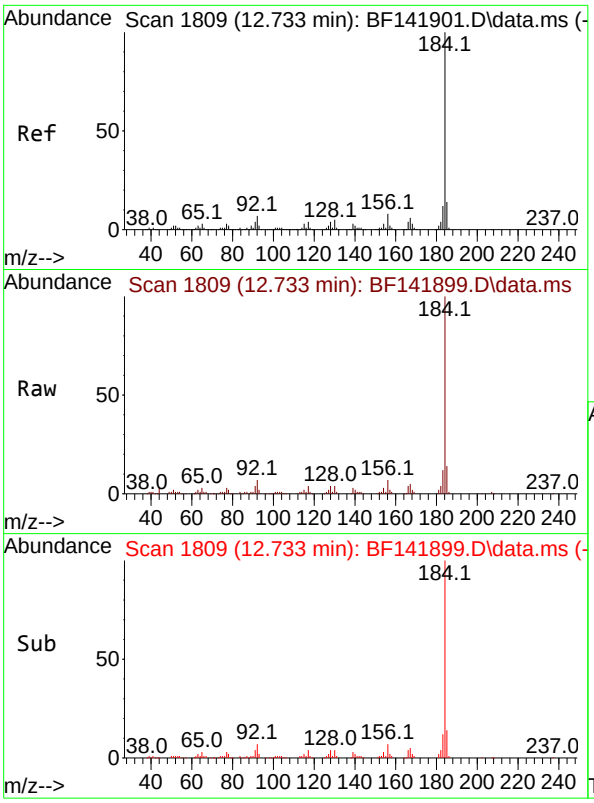


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:240 Resp: 703100

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.4	12.6
236	25.5	20.5	30.7



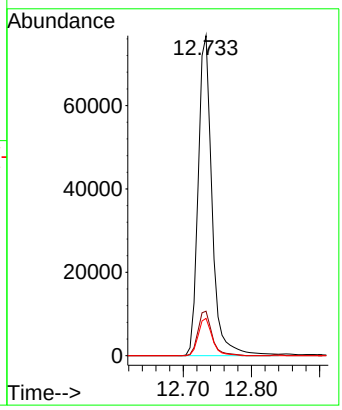


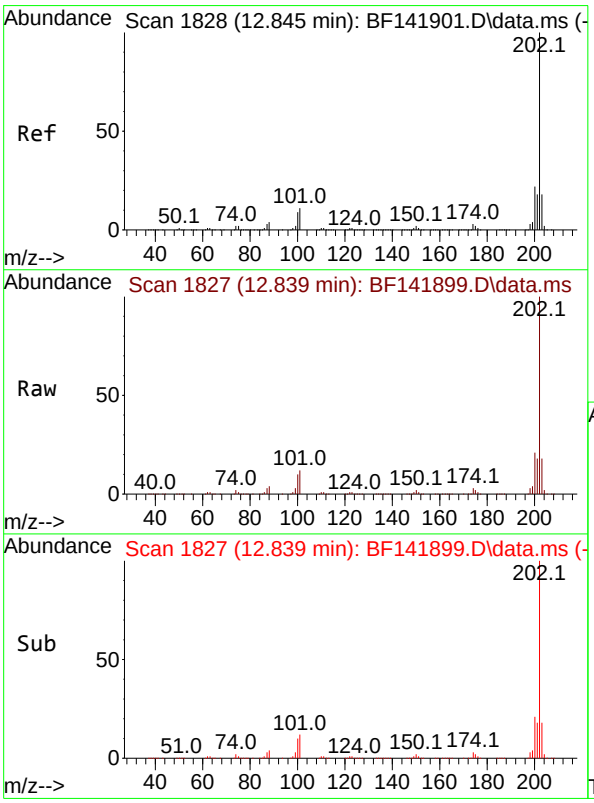
#77
Benzidine
Concen: 10.946 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 108761

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	11.6	9.7	14.5

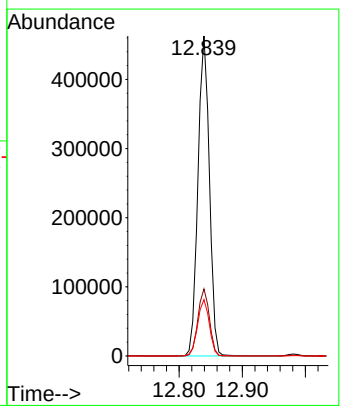


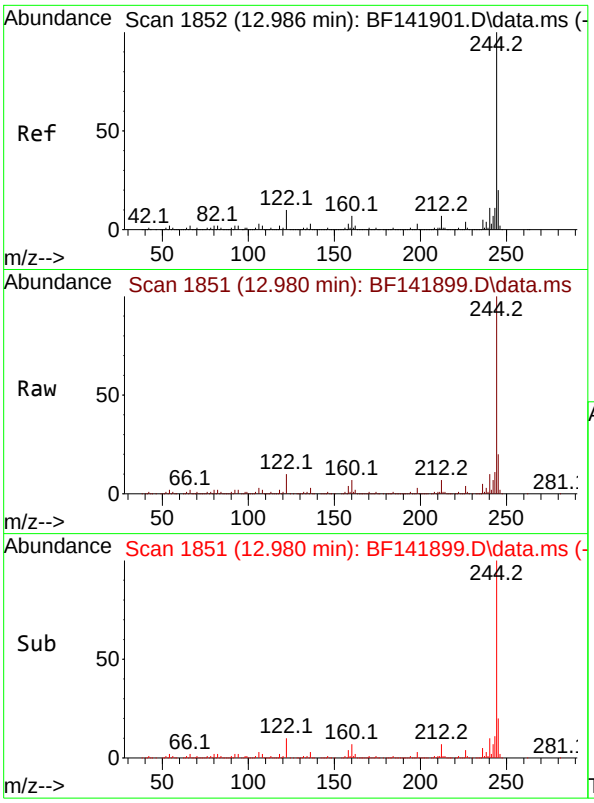


#78
Pyrene
Concen: 9.626 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:202 Resp: 580442

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.3	25.9
203	17.6	14.4	21.6



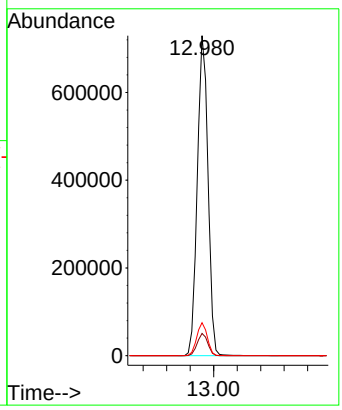


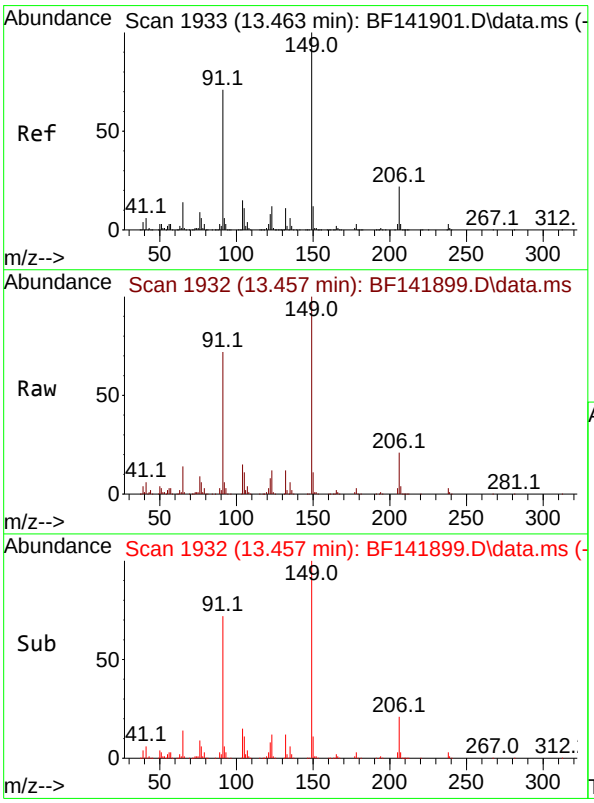
#79
Terphenyl-d14
Concen: 19.345 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 920159

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	10.3	7.7	11.5

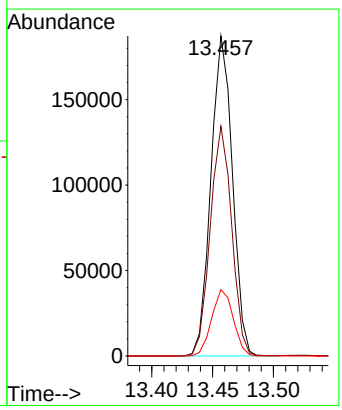


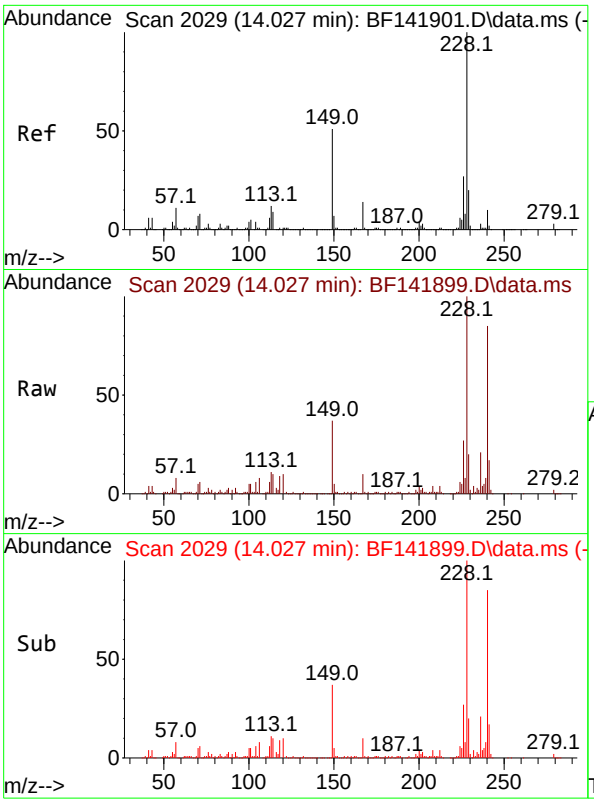


#80
Butylbenzylphthalate
Concen: 9.710 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 230714

Ion	Ratio	Lower	Upper
149	100		
91	71.8	56.5	84.7
206	20.7	17.3	25.9



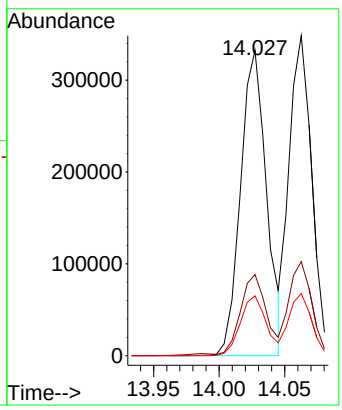


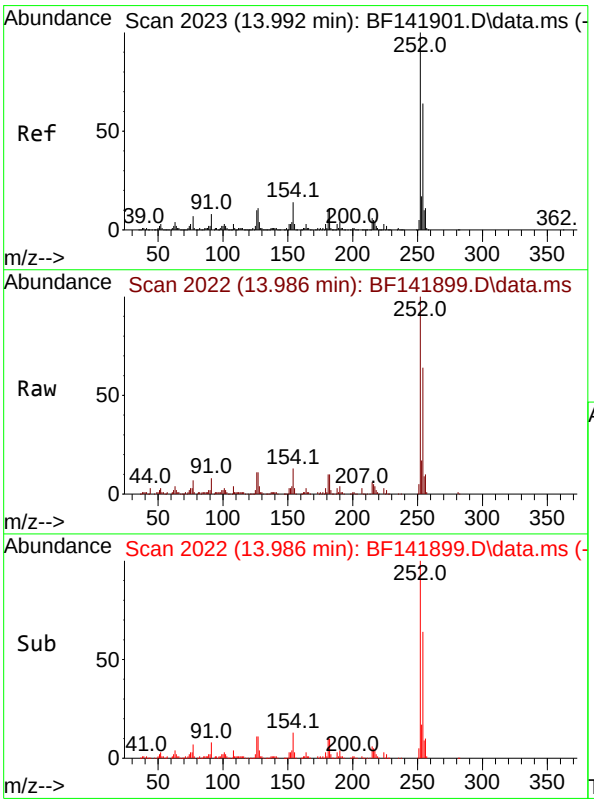
#81
Benzo(a)anthracene
Concen: 9.911 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 458422

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.8	32.8
229	19.6	16.0	24.0

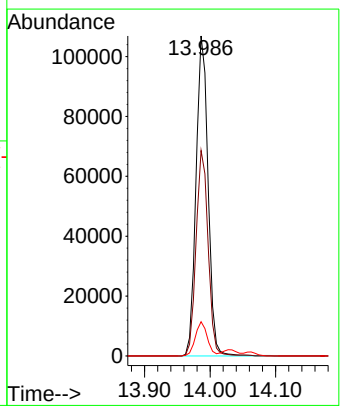


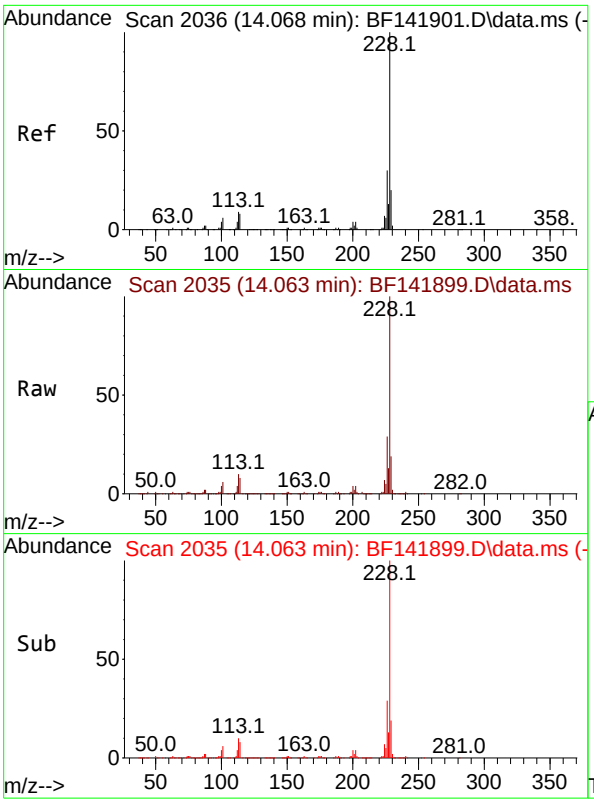


#82
3,3'-Dichlorobenzidine
Concen: 10.236 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:252 Resp: 136843

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.0	76.6
126	10.7	8.4	12.6



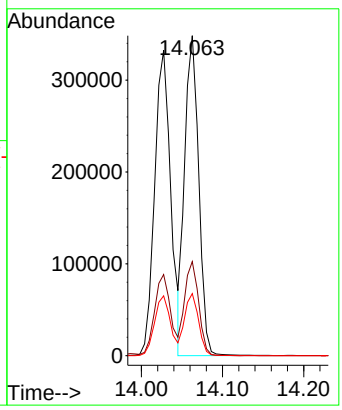


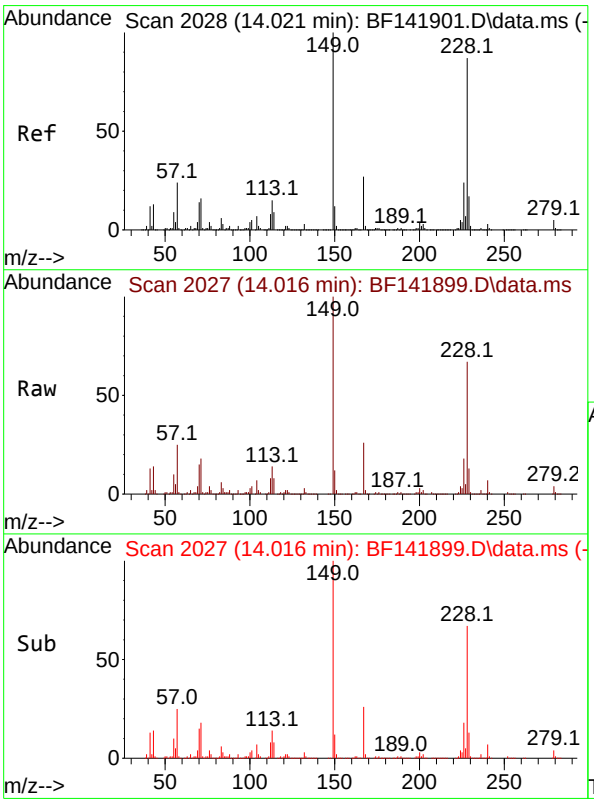
#83
Chrysene
Concen: 10.100 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 419687

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.1	36.1
229	19.4	15.7	23.5

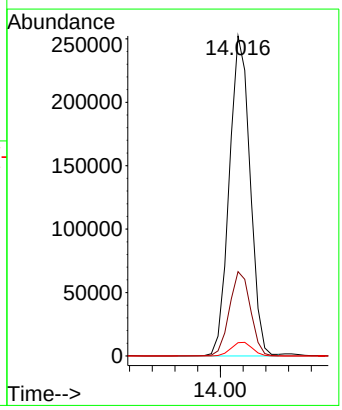


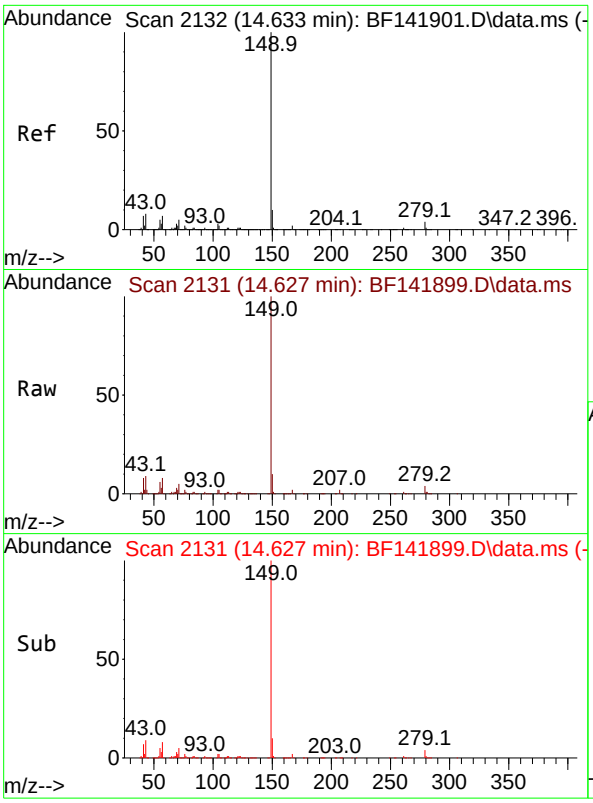


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.833 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 320536

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.4	32.0
279	4.1	3.8	5.6



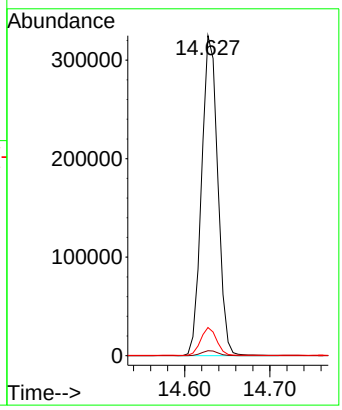


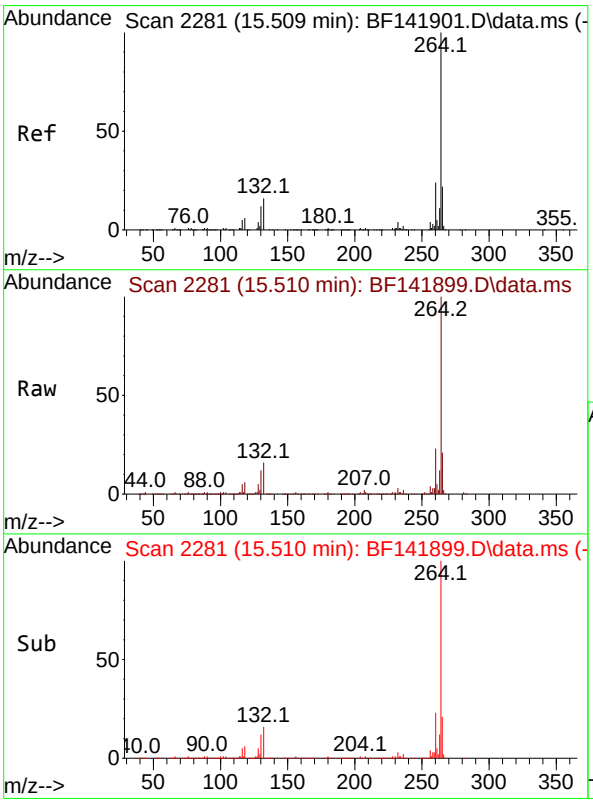
#85
Di-n-octyl phthalate
Concen: 9.442 ng
RT: 14.627 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 428377

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	6.9	10.3

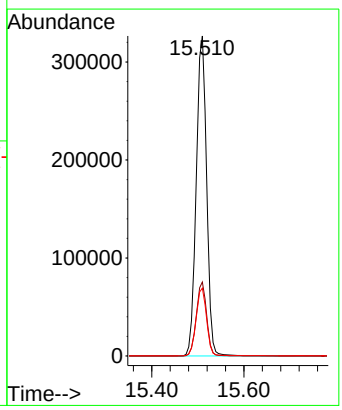


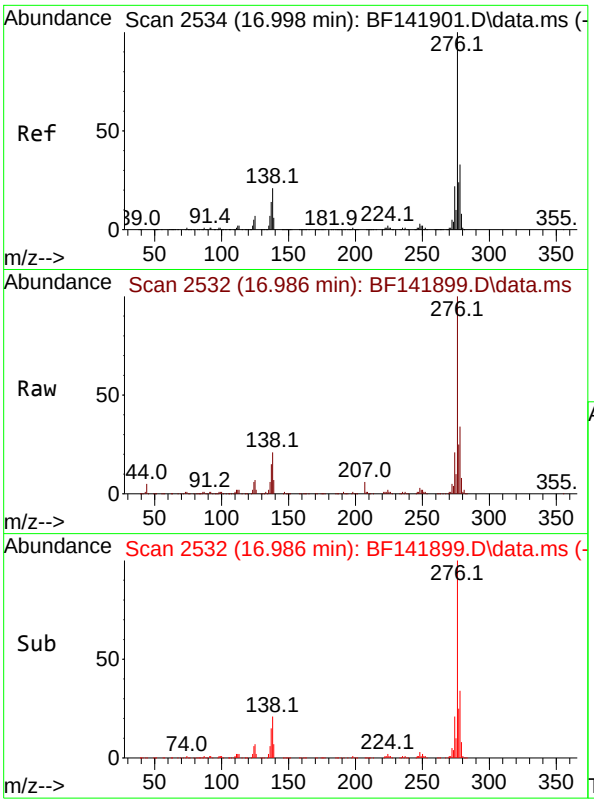


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:264 Resp: 510790

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	21.2	17.5	26.3



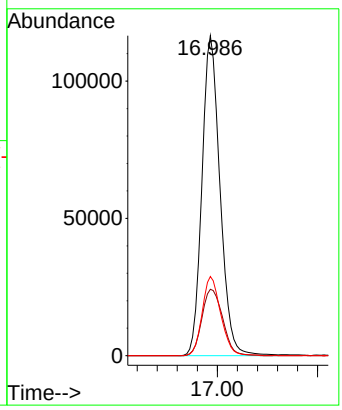


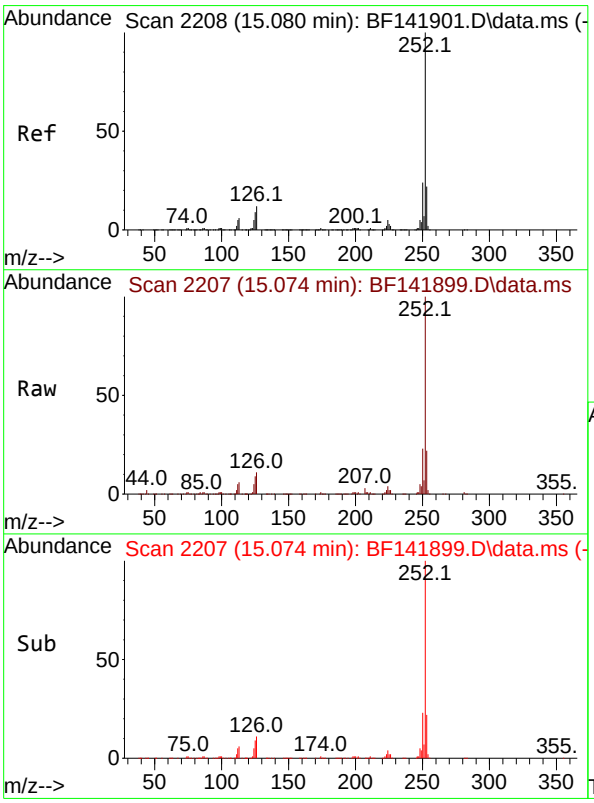
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.807 ng
RT: 16.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 291723

Ion	Ratio	Lower	Upper
276	100		
138	23.8	18.4	27.6
277	25.3	20.3	30.5

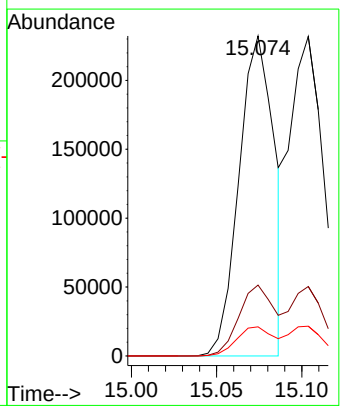


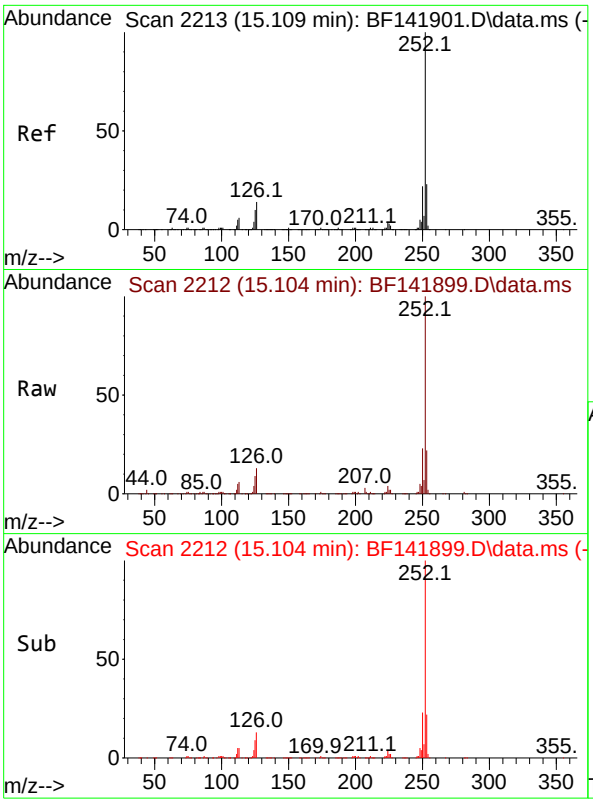


#88
Benzo(b)fluoranthene
Concen: 9.659 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:252 Resp: 334664

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.1	7.0	10.4



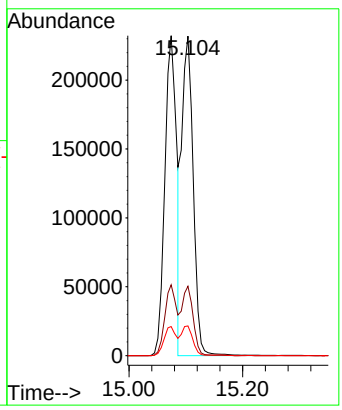


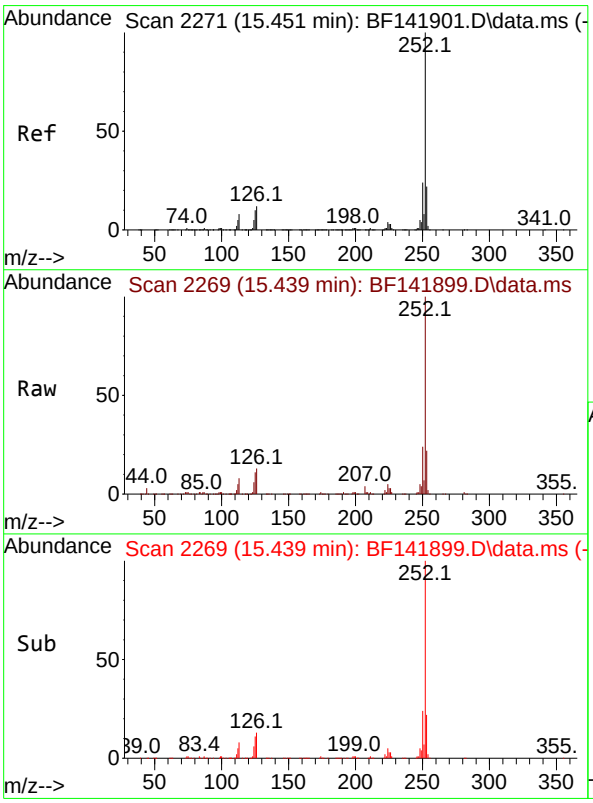
#89
Benzo(k)fluoranthene
Concen: 10.698 ng
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 323772

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	9.3	7.2	10.8

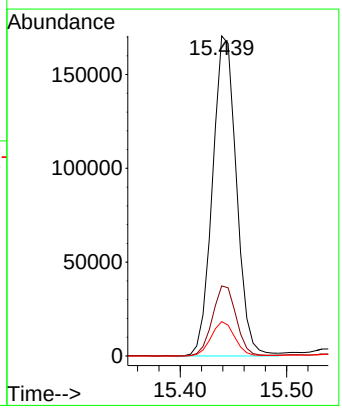


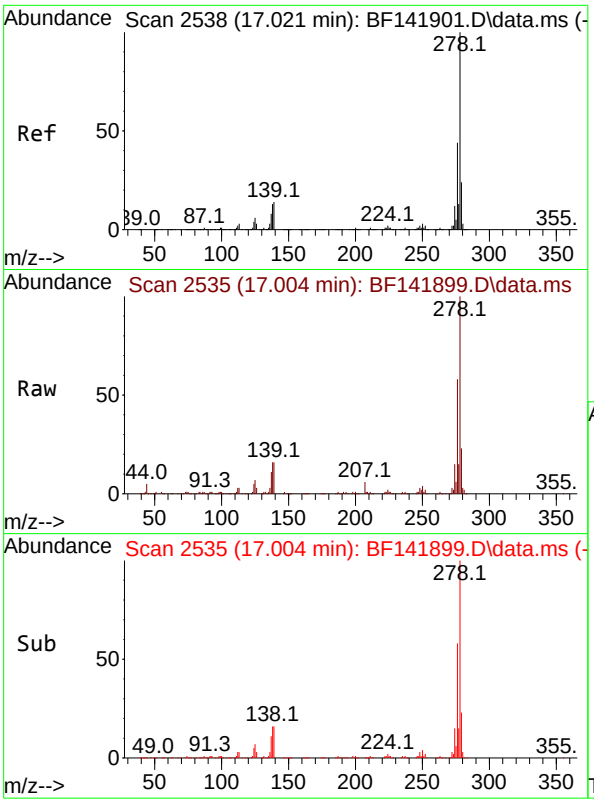


#90
Benzo(a)pyrene
Concen: 9.740 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:252 Resp: 266149

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	10.7	7.8	11.8



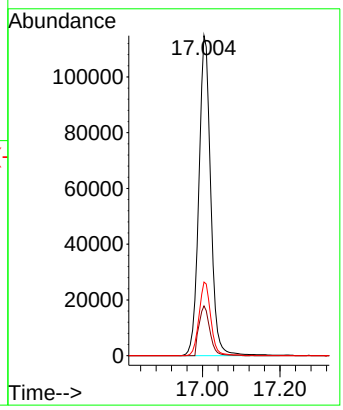


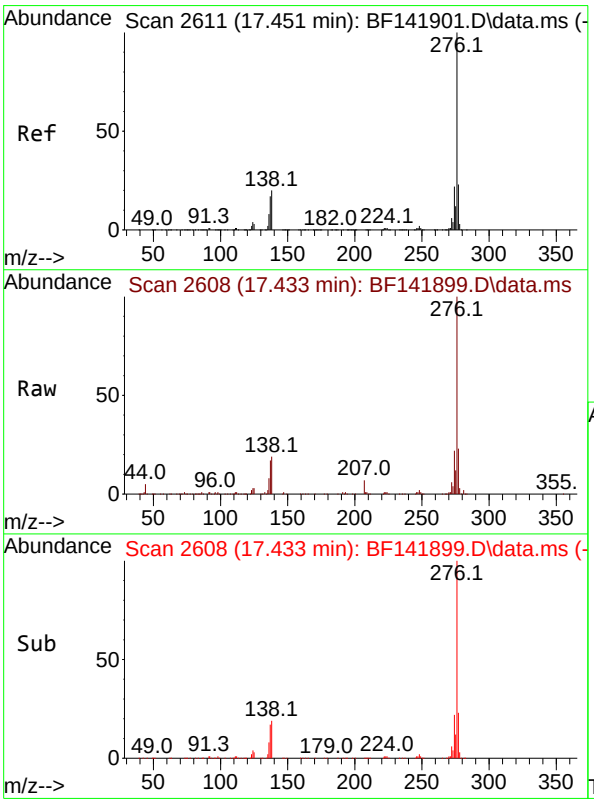
#91
Dibenzo(a,h)anthracene
Concen: 8.907 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 243443

Ion	Ratio	Lower	Upper
278	100		
139	15.5	11.4	17.2
279	23.0	18.8	28.2

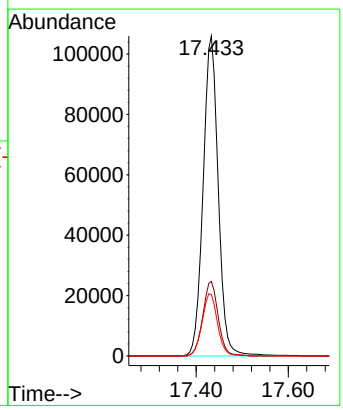




#92
Benzo(g,h,i)perylene
Concen: 8.941 ng
RT: 17.433 min Scan# 2608
Delta R.T. -0.018 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:276 Resp: 242380

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	19.2	15.8	23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Mar 10 15:34:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	198053	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	797548	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	470833	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	826085	20.000	ng	0.00
76) Chrysene-d12	14.039	240	581591	20.000	ng	0.00
86) Perylene-d12	15.509	264	428960	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	514189	43.318	ng	0.00
7) Phenol-d6	6.498	99	651272	43.079	ng	0.00
23) Nitrobenzene-d5	7.439	82	604270	42.465	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	243832	40.869	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1298709	42.002	ng	0.00
79) Terphenyl-d14	12.986	244	1582373	40.218	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	106079	21.323	ng	99
3) Pyridine	3.434	79	264229	21.612	ng	100
4) n-Nitrosodimethylamine	3.375	42	122948	21.155	ng	99
6) Aniline	6.539	93	324802	21.763	ng	99
8) 2-Chlorophenol	6.663	128	284082	21.592	ng	99
9) Benzaldehyde	6.428	77	193024	22.843	ng	98
10) Phenol	6.510	94	346008	21.692	ng	97
11) bis(2-Chloroethyl)ether	6.610	93	253793	21.236	ng	98
12) 1,3-Dichlorobenzene	6.822	146	304632	21.426	ng	98
13) 1,4-Dichlorobenzene	6.898	146	306665	21.319	ng	100
14) 1,2-Dichlorobenzene	7.051	146	289199	21.349	ng	99
15) Benzyl Alcohol	7.016	79	261893	21.402	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	303847	21.095	ng	99
17) 2-Methylphenol	7.122	107	222173	21.248	ng	97
18) Hexachloroethane	7.392	117	114019	21.141	ng	99
19) n-Nitroso-di-n-propyla...	7.286	70	206654	21.268	ng	97
20) 3+4-Methylphenols	7.275	107	291065	21.702	ng	99
22) Acetophenone	7.286	105	409149	21.385	ng	99
24) Nitrobenzene	7.457	77	299046	21.196	ng	99
25) Isophorone	7.698	82	522239	20.788	ng	100
26) 2-Nitrophenol	7.775	139	144979	20.970	ng	99
27) 2,4-Dimethylphenol	7.804	122	200058	21.009	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	331966	21.093	ng	99
29) 2,4-Dichlorophenol	8.010	162	246810	20.884	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	272773	20.922	ng	97
31) Naphthalene	8.181	128	877897	21.487	ng	99
32) Benzoic acid	7.892	122	152420	18.313	ng	99
33) 4-Chloroaniline	8.228	127	313249	21.726	ng	98
34) Hexachlorobutadiene	8.298	225	176253	20.791	ng	99
35) Caprolactam	8.580	113	75048	20.884	ng	99
36) 4-Chloro-3-methylphenol	8.698	107	278207	21.168	ng	100
37) 2-Methylnaphthalene	8.875	142	584552	21.324	ng	99
38) 1-Methylnaphthalene	8.975	142	575428	21.677	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	294845	20.538	ng	99
41) Hexachlorocyclopentadiene	9.028	237	117174	20.685	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	189069	20.203	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Mar 10 15:34:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

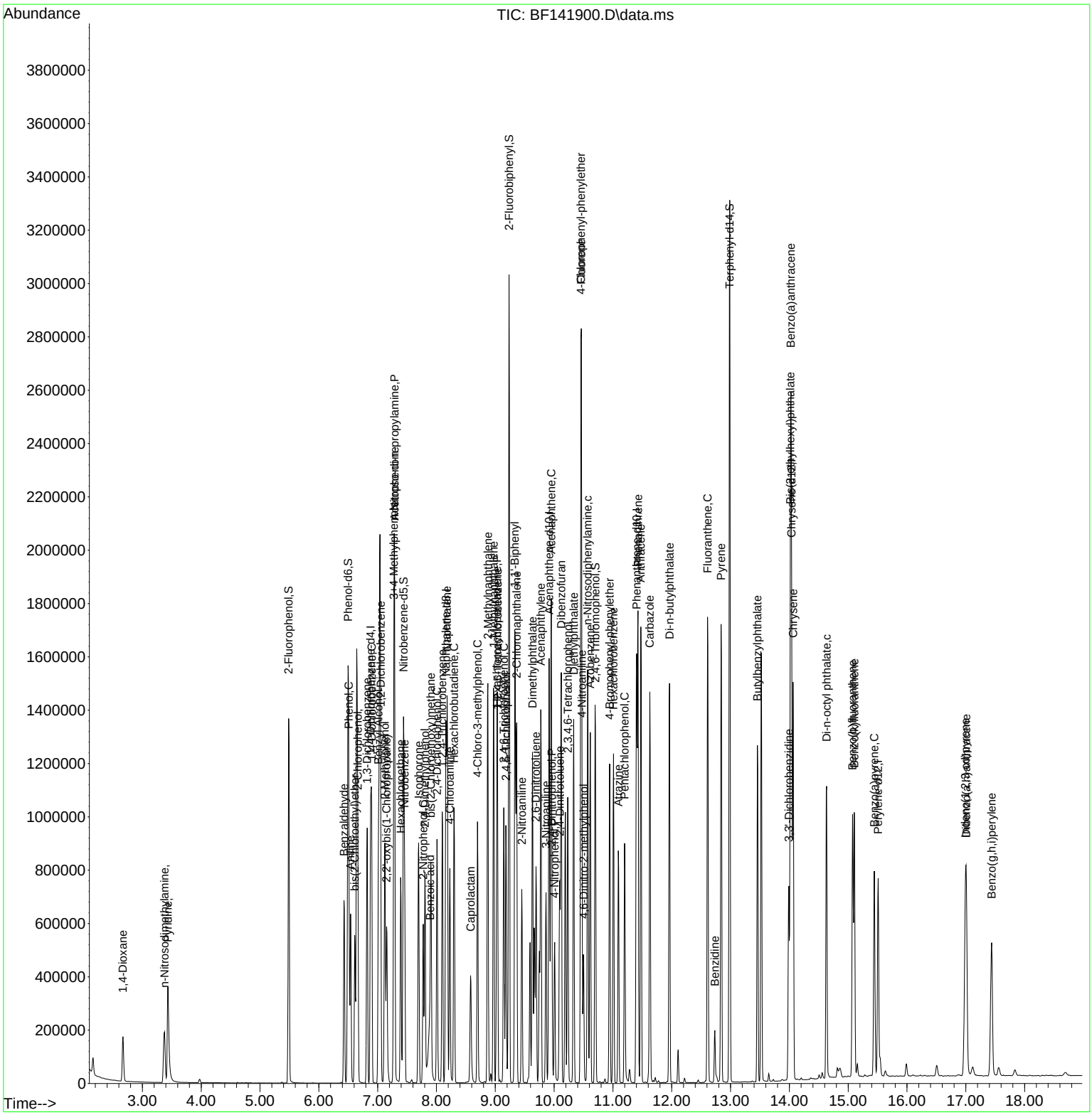
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	198841	20.912	ng		99
46) 1,1'-Biphenyl	9.333	154	749087	20.985	ng		100
47) 2-Chloronaphthalene	9.363	162	555946	20.898	ng		98
48) 2-Nitroaniline	9.451	65	162790	21.302	ng		97
49) Acenaphthylene	9.775	152	837016	21.222	ng		99
50) Dimethylphthalate	9.633	163	691454	21.137	ng		100
51) 2,6-Dinitrotoluene	9.692	165	143513	21.096	ng		100
52) Acenaphthene	9.951	154	579623	20.813	ng		98
53) 3-Nitroaniline	9.863	138	148977	21.327	ng		98
54) 2,4-Dinitrophenol	9.963	184	58223	20.368	ng	#	33
55) Dibenzofuran	10.122	168	843359	21.238	ng		98
56) 4-Nitrophenol	10.010	139	109958	20.955	ng		100
57) 2,4-Dinitrotoluene	10.098	165	189234	21.132	ng		98
58) Fluorene	10.463	166	650245	21.211	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	183513	21.272	ng		99
60) Diethylphthalate	10.333	149	704993	21.468	ng		100
61) 4-Chlorophenyl-phenyle...	10.457	204	330489	20.698	ng		99
62) 4-Nitroaniline	10.474	138	142995	21.125	ng		99
63) Azobenzene	10.616	77	660935	21.665	ng		99
65) 4,6-Dinitro-2-methylph...	10.504	198	91852	18.755	ng		98
66) n-Nitrosodiphenylamine	10.569	169	553905	20.756	ng		99
67) 4-Bromophenyl-phenylether	10.945	248	210241	20.436	ng		100
68) Hexachlorobenzene	11.010	284	234399	20.613	ng		99
69) Atrazine	11.092	200	159306	24.481	ng		99
70) Pentachlorophenol	11.198	266	141842	20.227	ng		100
71) Phenanthrene	11.427	178	939782	21.038	ng		99
72) Anthracene	11.474	178	940875	20.993	ng		99
73) Carbazole	11.627	167	813998	21.096	ng		100
74) Di-n-butylphthalate	11.963	149	1089304	21.382	ng		99
75) Fluoranthene	12.610	202	1014464	21.632	ng		100
77) Benzidine	12.733	184	110648	13.463	ng		99
78) Pyrene	12.839	202	1004157	20.133	ng		99
80) Butylbenzylphthalate	13.457	149	408044	20.761	ng		98
81) Benzo(a)anthracene	14.027	228	776120	20.285	ng		99
82) 3,3'-Dichlorobenzidine	13.992	252	221168	19.999	ng		99
83) Chrysene	14.062	228	732966	21.325	ng		100
84) Bis(2-ethylhexyl)phtha...	14.015	149	562062	20.845	ng		99
85) Di-n-octyl phthalate	14.633	149	778373	20.740	ng		100
87) Indeno(1,2,3-cd)pyrene	16.992	276	560913	20.163	ng		99
88) Benzo(b)fluoranthene	15.074	252	636808	21.886	ng		100
89) Benzo(k)fluoranthene	15.104	252	513311	20.196	ng		99
90) Benzo(a)pyrene	15.445	252	481683	20.991	ng		100
91) Dibenzo(a,h)anthracene	17.009	278	460109	20.046	ng		99
92) Benzo(g,h,i)perylene	17.439	276	455034	19.987	ng		99

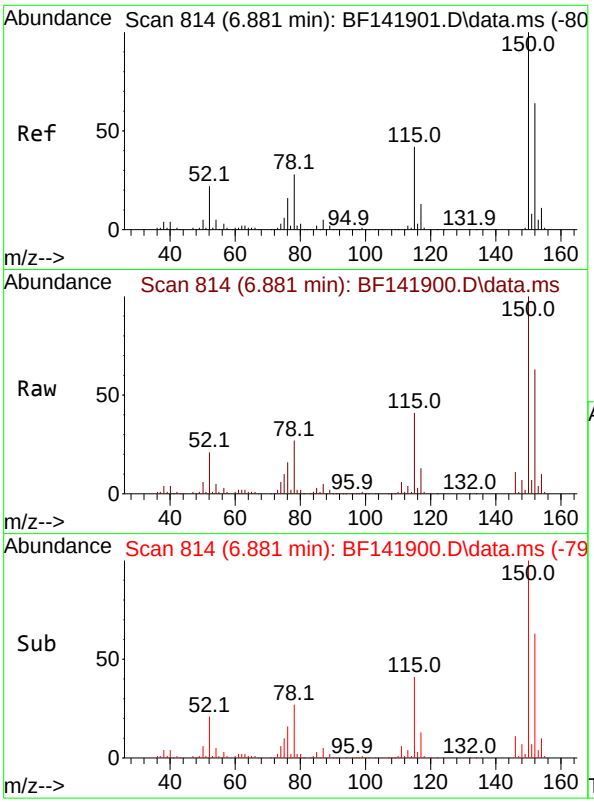
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Mar 10 15:34:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



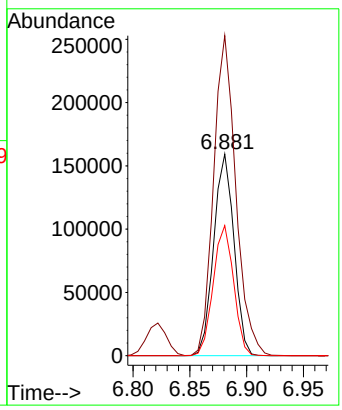


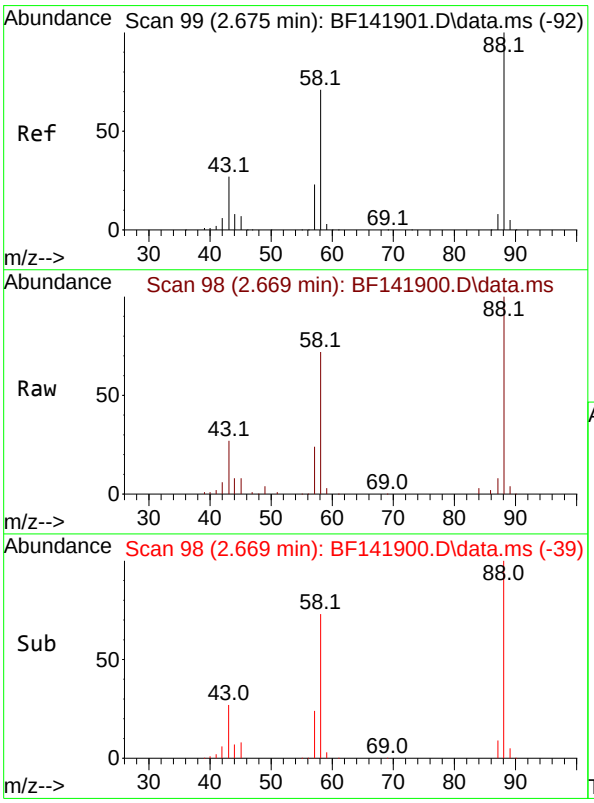
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 198053

Ion	Ratio	Lower	Upper
152	100		
150	158.7	127.4	191.2
115	64.5	51.9	77.9

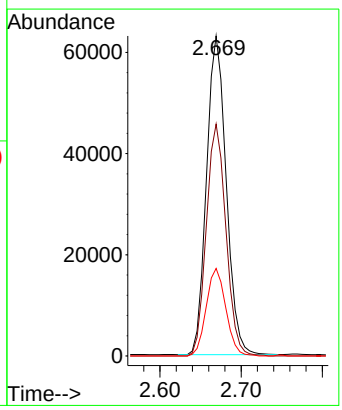


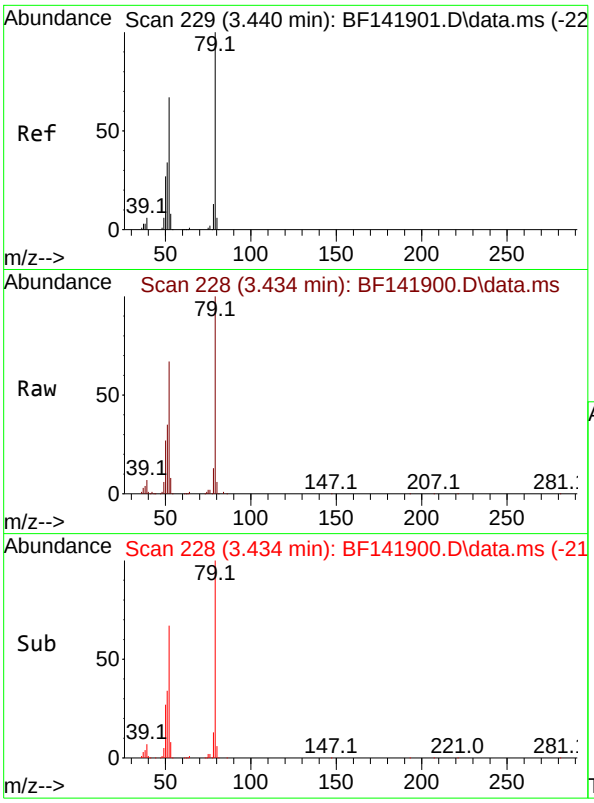


#2
1,4-Dioxane
Concen: 21.323 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 88 Resp: 106079

Ion	Ratio	Lower	Upper
88	100		
58	72.3	57.4	86.2
43	27.4	21.5	32.3



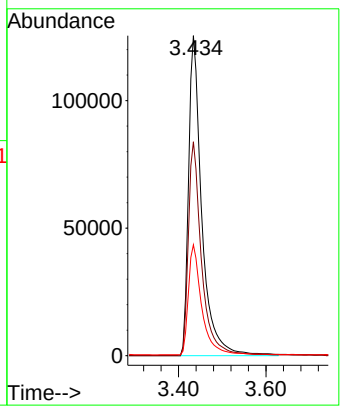


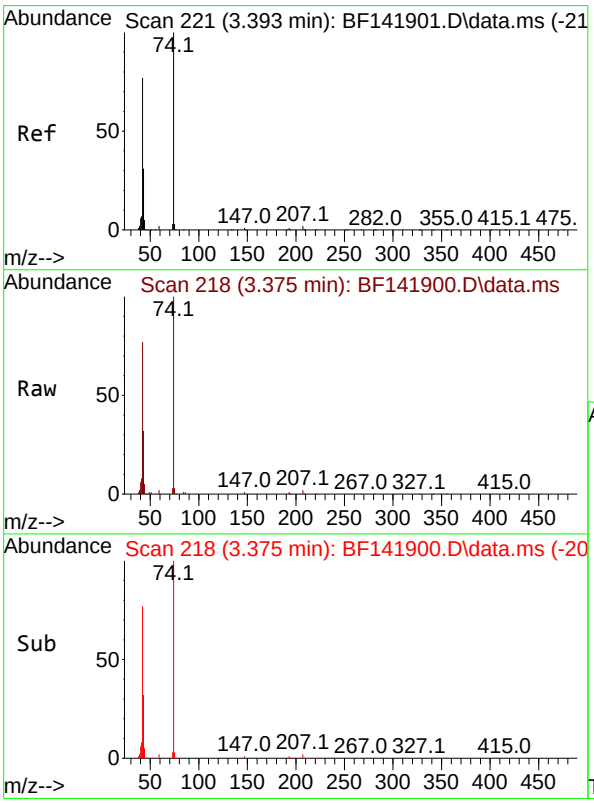
#3
Pyridine
Concen: 21.612 ng
RT: 3.434 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 264229

Ion	Ratio	Lower	Upper
79	100		
52	66.8	53.3	79.9
51	34.7	27.6	41.4

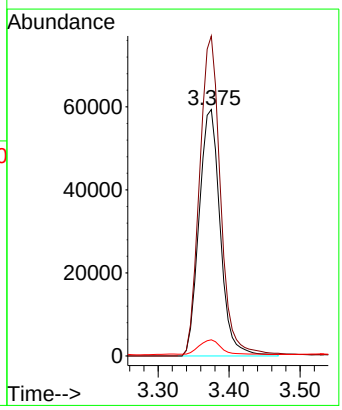


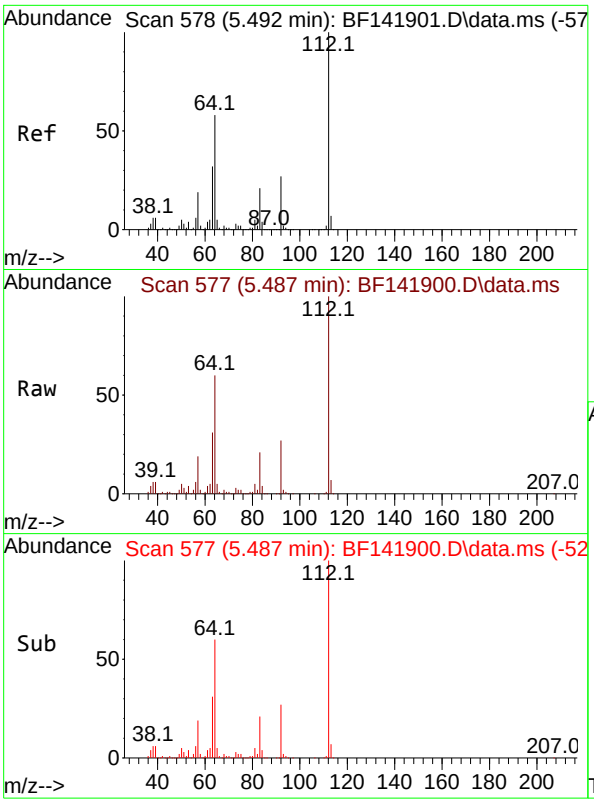


#4
n-Nitrosodimethylamine
Concen: 21.155 ng
RT: 3.375 min Scan# 218
Delta R.T. -0.018 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 42 Resp: 122948

Ion	Ratio	Lower	Upper
42	100		
74	129.9	103.4	155.0
44	6.5	5.0	7.4



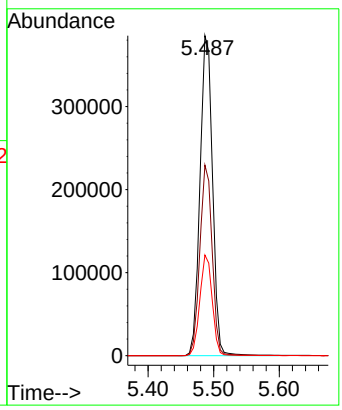


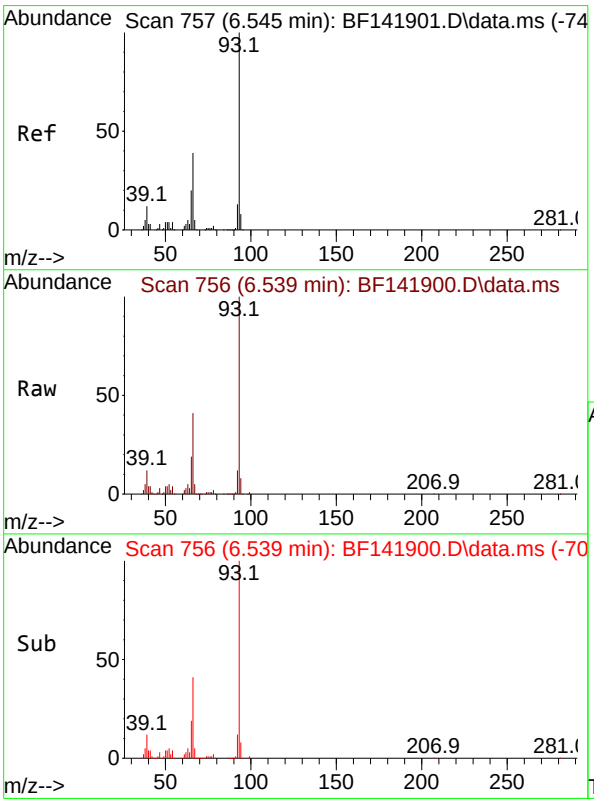
#5
2-Fluorophenol
Concen: 43.318 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 514189

Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.5	69.7
63	31.4	25.4	38.2

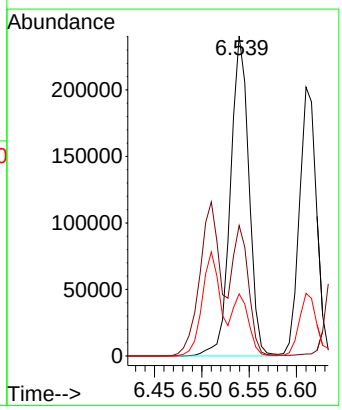


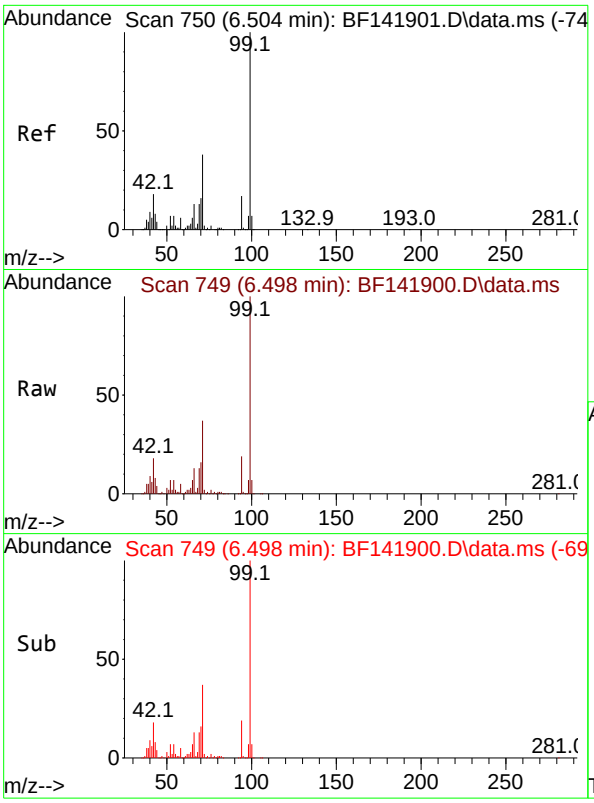


#6
Aniline
Concen: 21.763 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 93 Resp: 324802

Ion	Ratio	Lower	Upper
93	100		
66	40.8	31.9	47.9
65	19.4	15.8	23.6



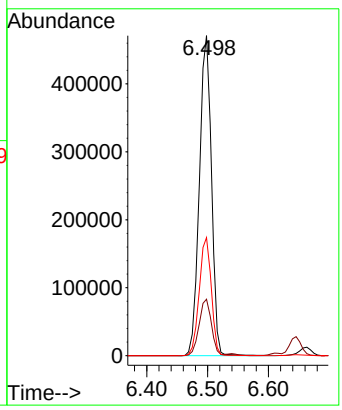


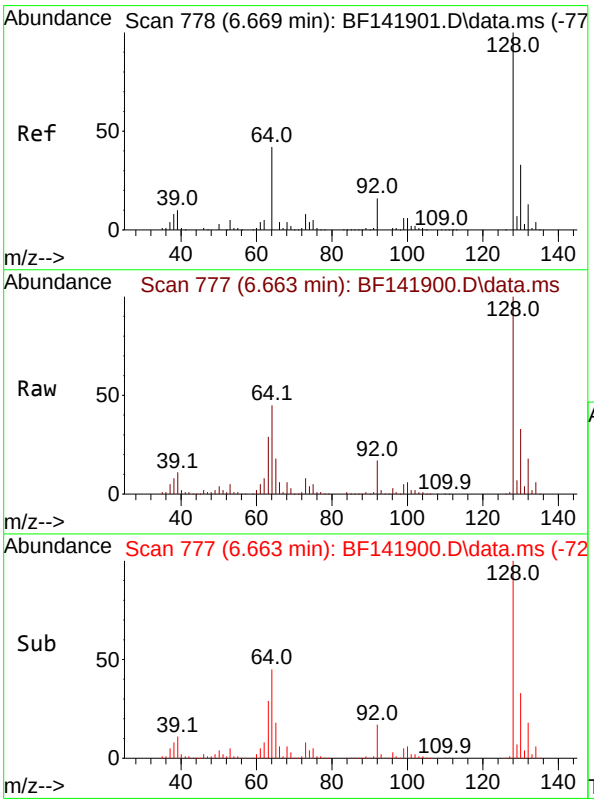
#7
Phenol-d6
Concen: 43.079 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 651272

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	21.8
71	36.9	30.8	46.2

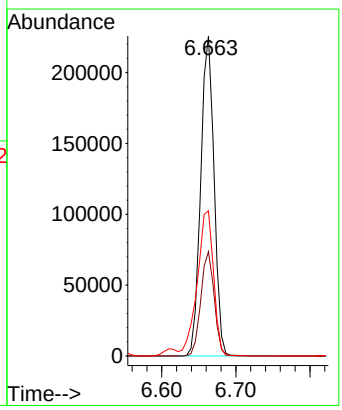


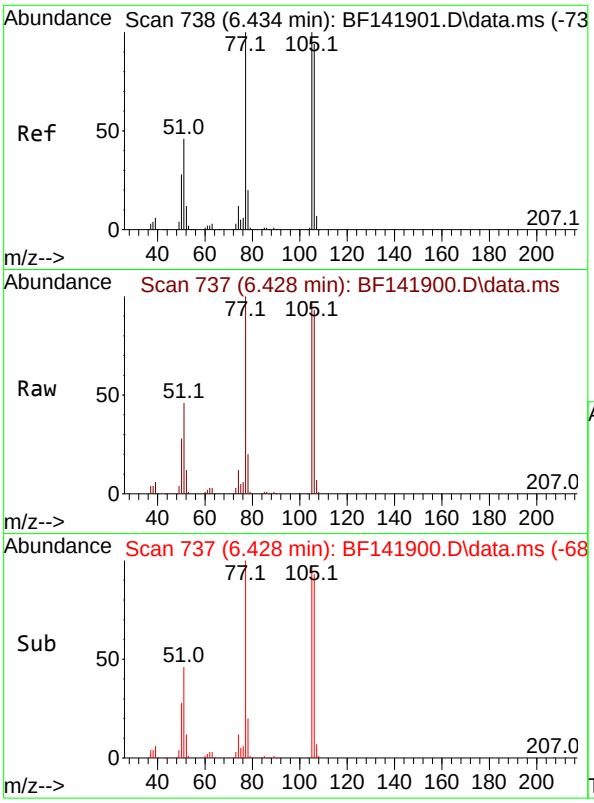


#8
2-Chlorophenol
Concen: 21.592 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:128 Resp: 284082

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.8	52.8
64	45.4	24.4	64.4



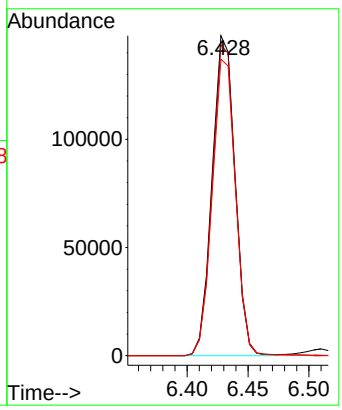


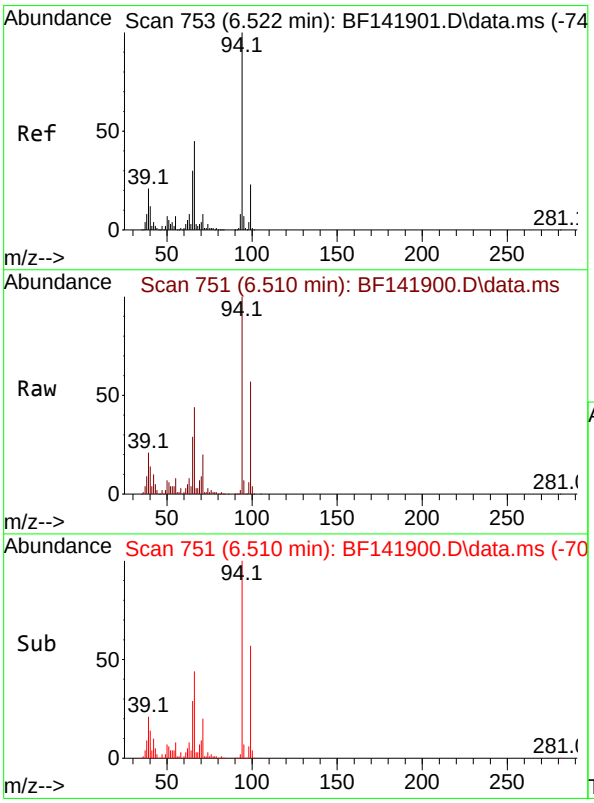
#9
Benzaldehyde
Concen: 22.843 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 193024

Ion	Ratio	Lower	Upper
77	100		
105	97.1	80.0	120.0
106	92.6	74.5	114.5

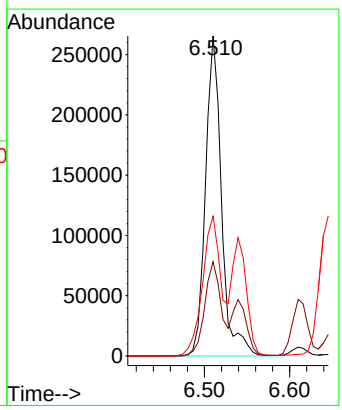


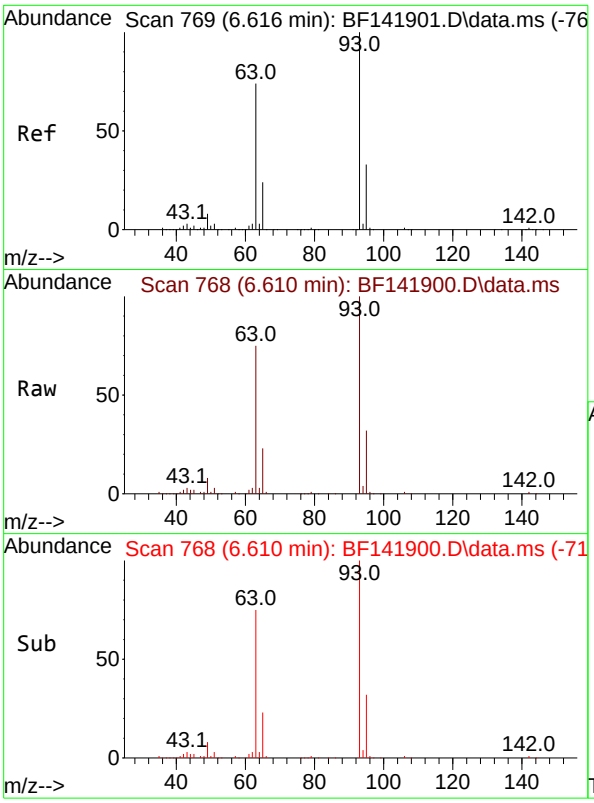


#10
Phenol
Concen: 21.692 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 94 Resp: 346008

Ion	Ratio	Lower	Upper
94	100		
65	29.5	10.5	50.5
66	43.6	25.8	65.8



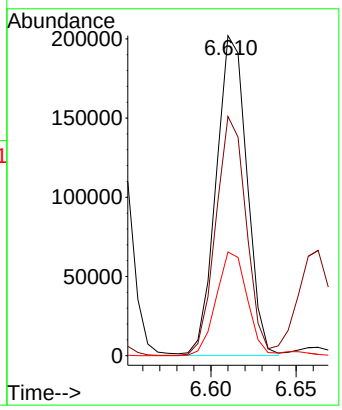


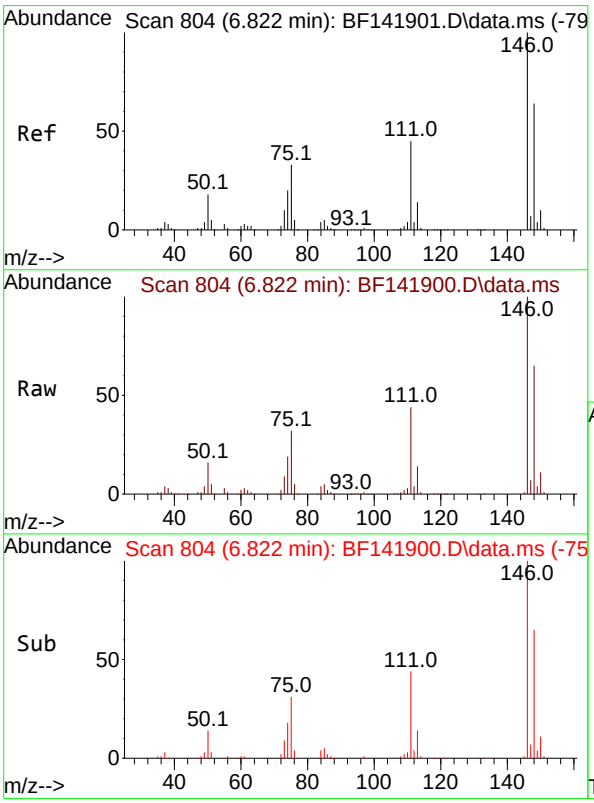
#11
bis(2-Chloroethyl)ether
Concen: 21.236 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 253793

Ion	Ratio	Lower	Upper
93	100		
63	74.8	53.0	93.0
95	32.4	12.9	52.9

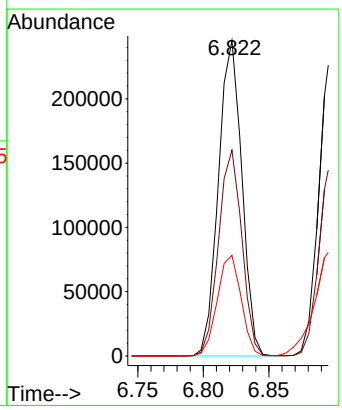


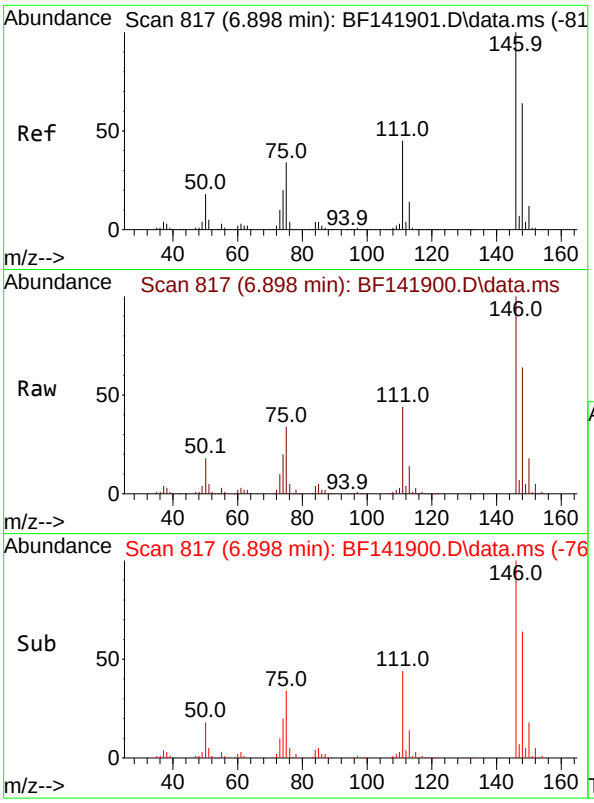


#12
1,3-Dichlorobenzene
Concen: 21.426 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:146 Resp: 304632

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.3	76.9
75	31.9	26.6	40.0



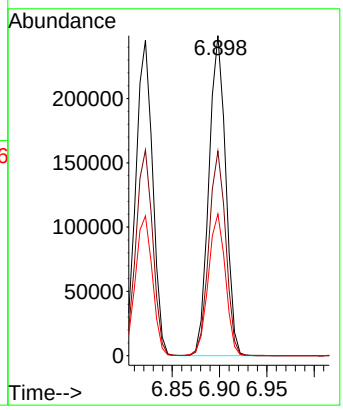


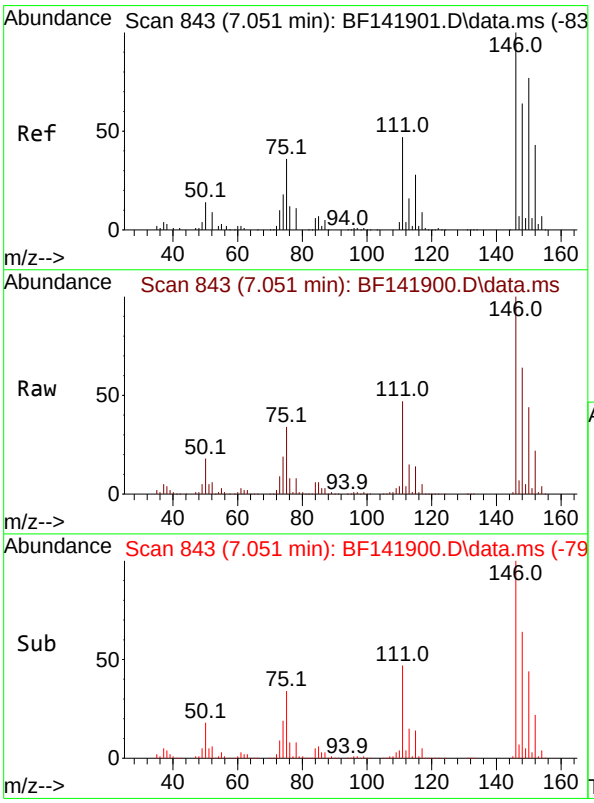
#13
1,4-Dichlorobenzene
Concen: 21.319 ng
RT: 6.898 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 306665

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.6
111	44.3	35.7	53.5

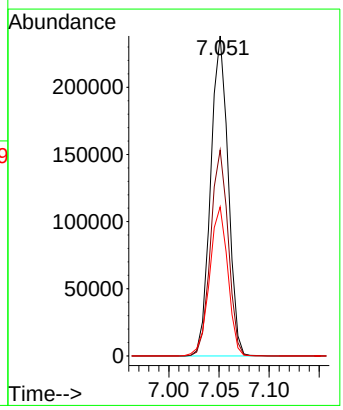


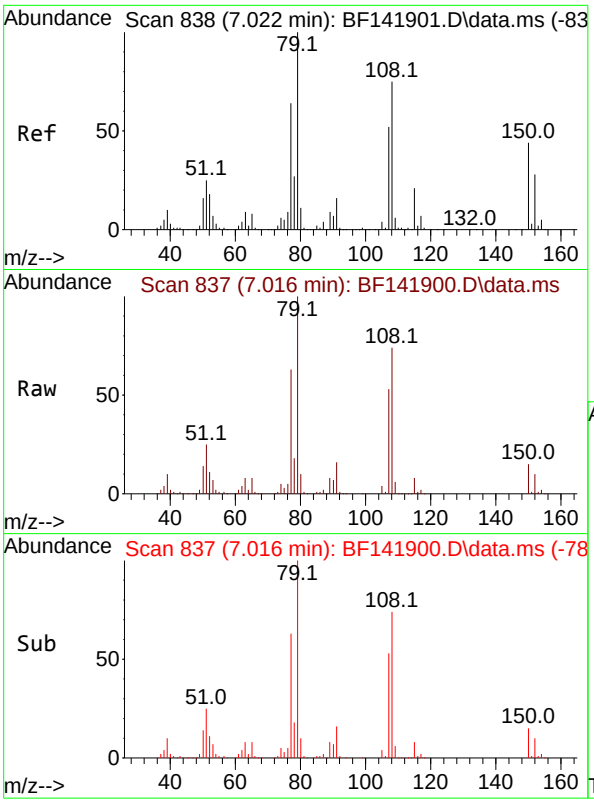


#14
1,2-Dichlorobenzene
Concen: 21.349 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:146 Resp: 289199

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.8	76.2
111	46.6	38.0	57.0



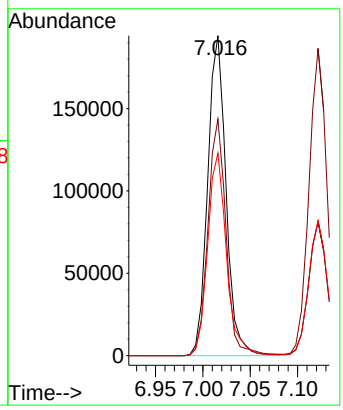


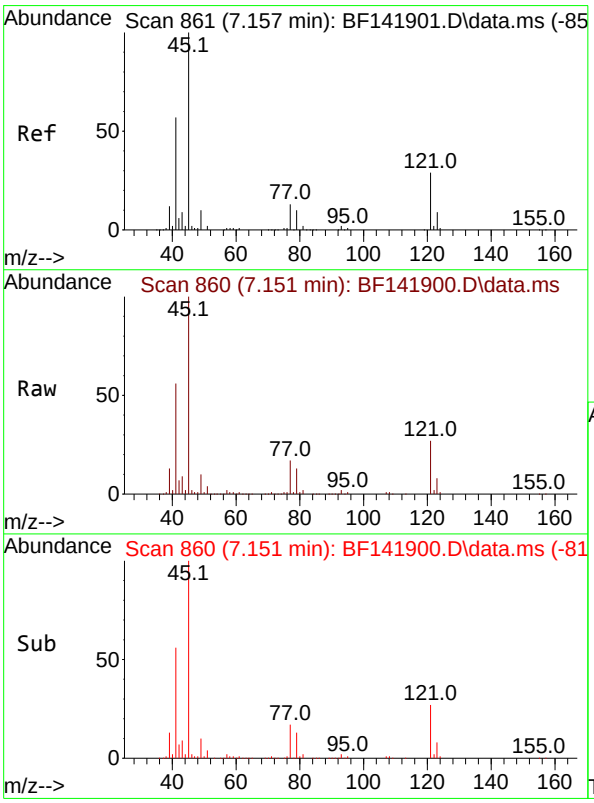
#15
Benzyl Alcohol
Concen: 21.402 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 261893

Ion	Ratio	Lower	Upper
79	100		
108	73.9	59.7	89.5
77	63.3	51.0	76.6

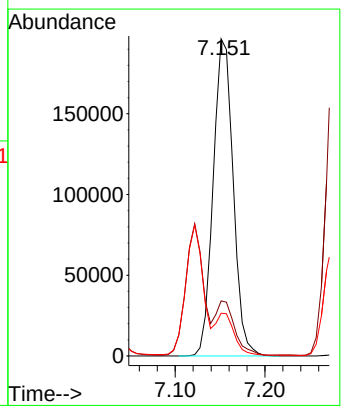


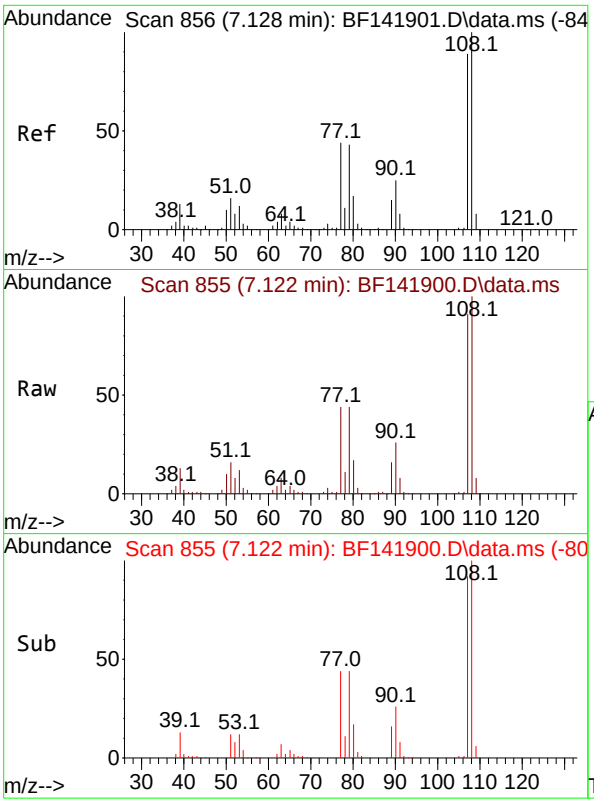


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.095 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 45 Resp: 303847

Ion	Ratio	Lower	Upper
45	100		
77	17.3	0.0	37.8
79	13.5	0.0	34.2



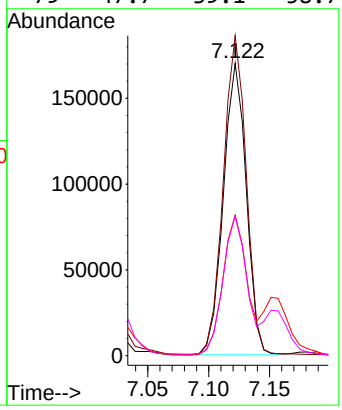


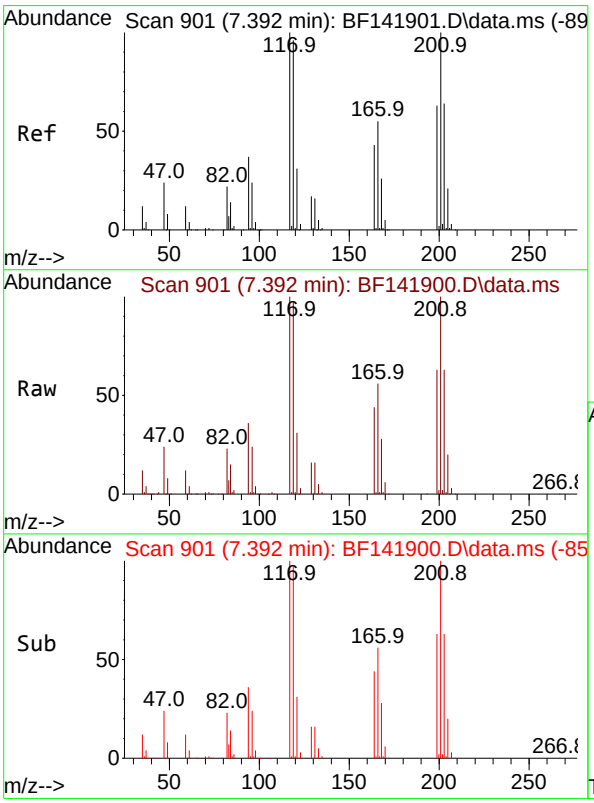
#17
2-Methylphenol
Concen: 21.248 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 222173

Ion	Ratio	Lower	Upper
107	100		
108	109.5	90.2	135.2
77	48.1	39.6	59.4
79	47.7	39.1	58.7

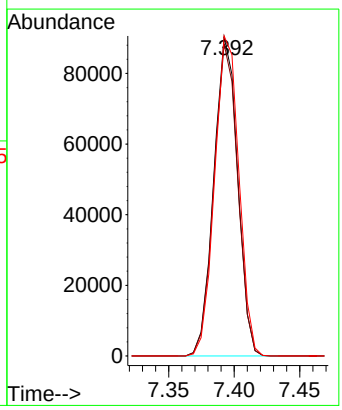


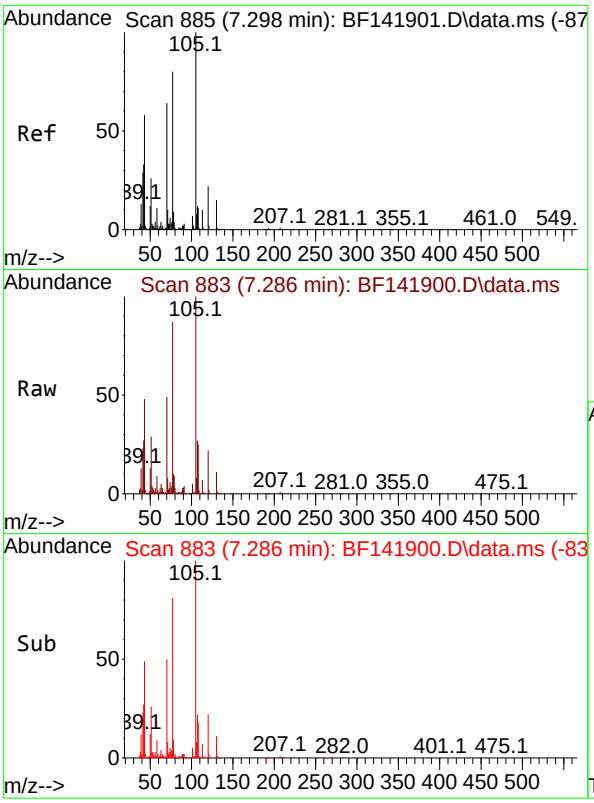


#18
Hexachloroethane
Concen: 21.141 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:117 Resp: 114019

Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.9	115.3
201	100.3	79.9	119.9



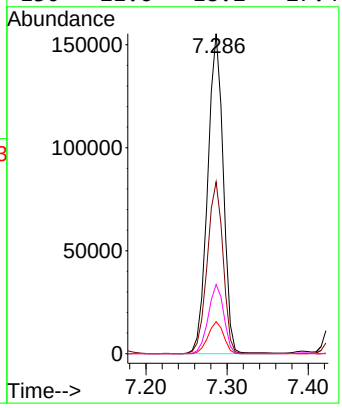


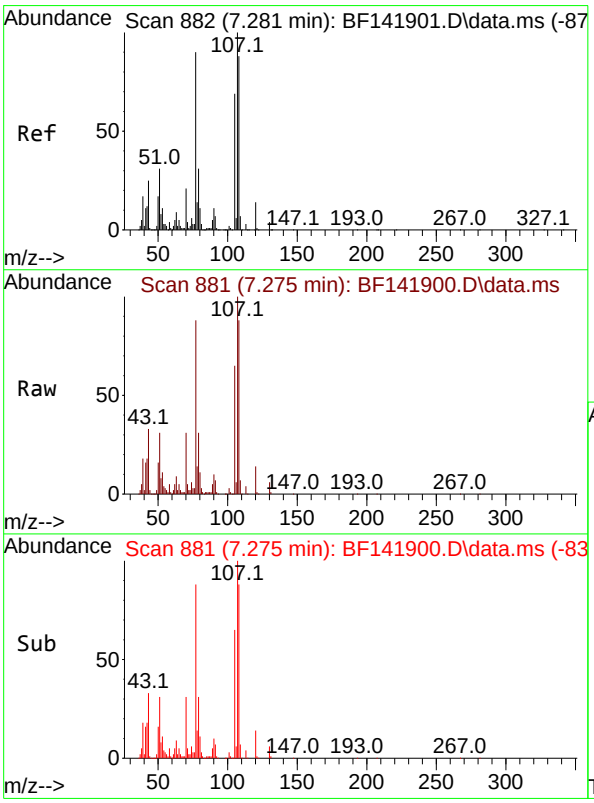
#19
n-Nitroso-di-n-propylamine
Concen: 21.268 ng
RT: 7.286 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 206654

Ion	Ratio	Lower	Upper
70	100		
42	53.7	41.4	62.0
101	10.0	8.2	12.2
130	21.6	18.2	27.4

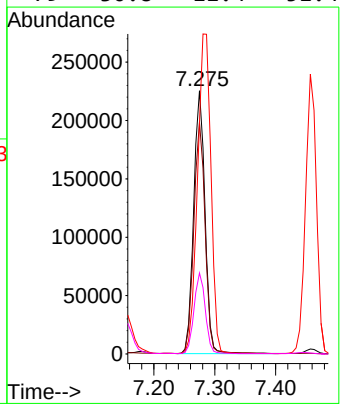


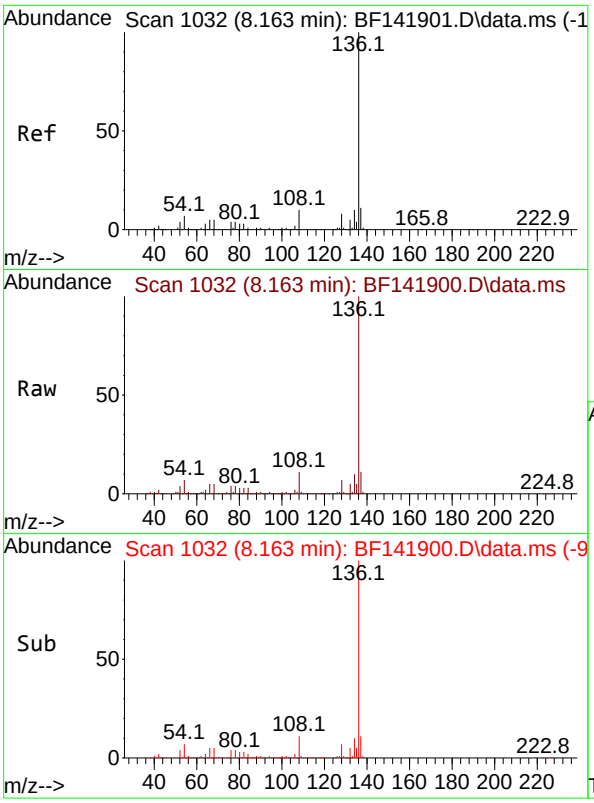


#20
3+4-Methylphenols
Concen: 21.702 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:107 Resp: 291065

Ion	Ratio	Lower	Upper
107	100		
108	88.1	68.4	108.4
77	87.9	69.7	109.7
79	30.8	11.4	51.4



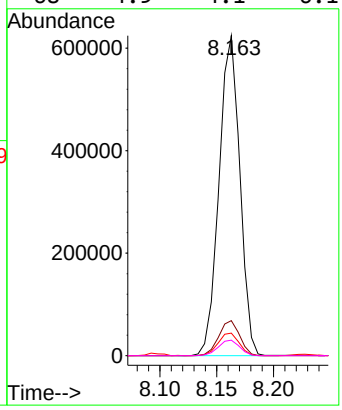


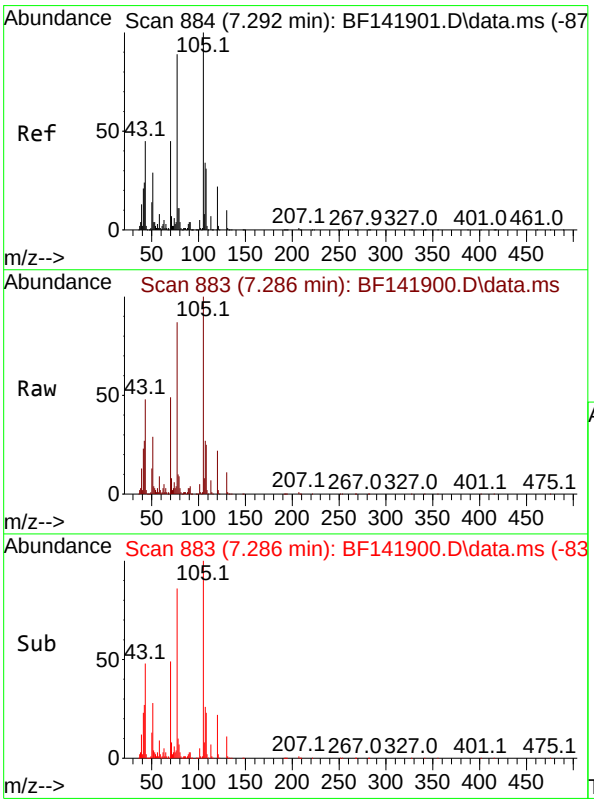
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 797548

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.1	5.8	8.8
68	4.9	4.1	6.1

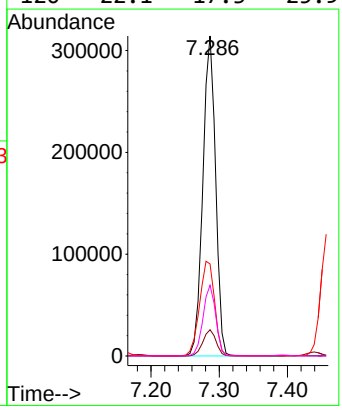


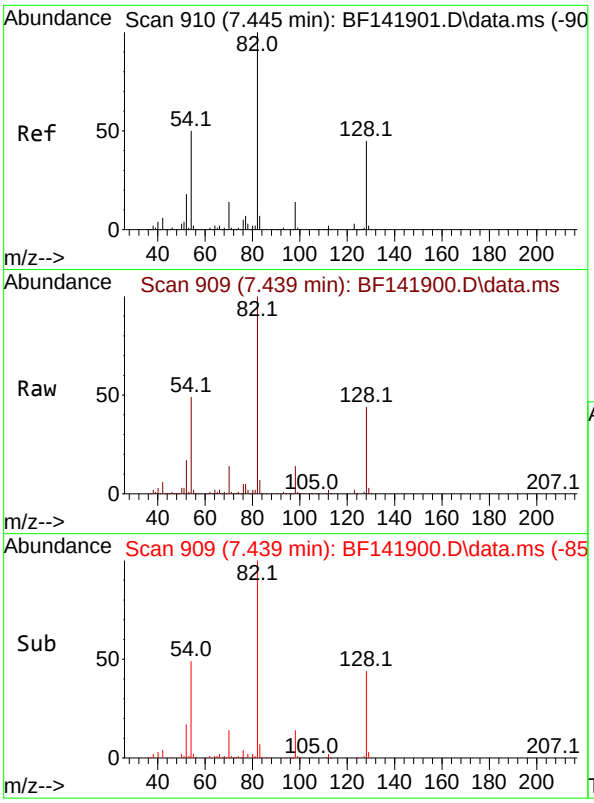


#22
Acetophenone
Concen: 21.385 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:105 Resp: 409149

Ion	Ratio	Lower	Upper
105	100		
71	8.2	5.8	8.8
51	28.8	23.4	35.0
120	22.1	17.3	25.9



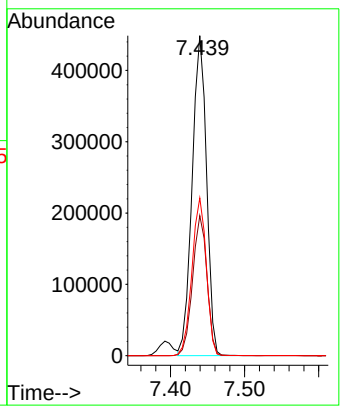


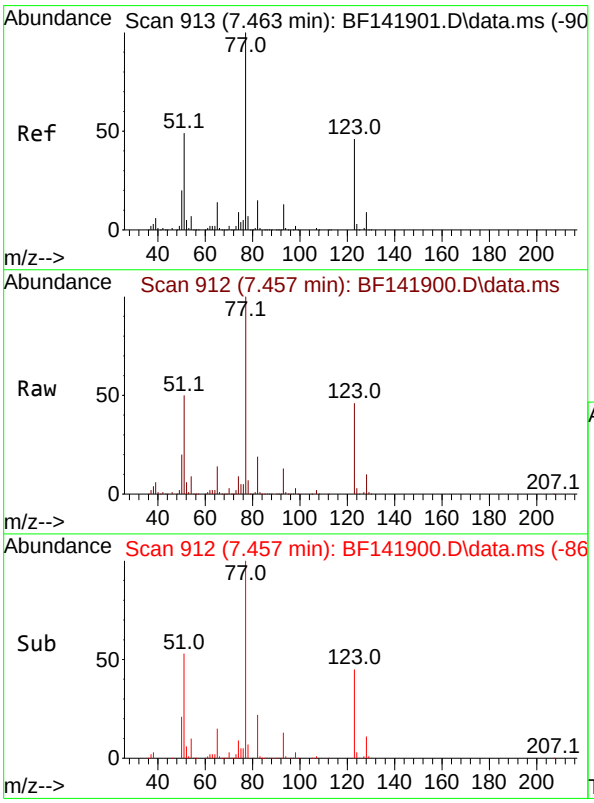
#23
Nitrobenzene-d5
Concen: 42.465 ng
RT: 7.439 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 604270

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.0	54.0
54	49.3	39.6	59.4

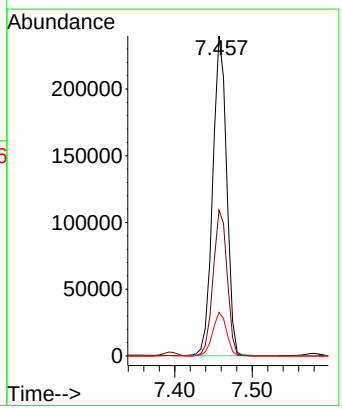


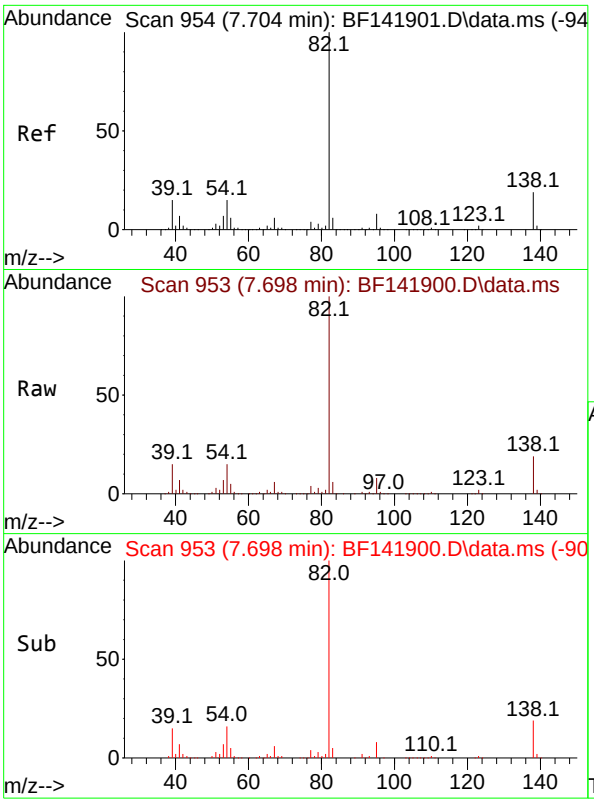


#24
Nitrobenzene
Concen: 21.196 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 77 Resp: 299046

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.0	55.4
65	13.7	11.3	16.9



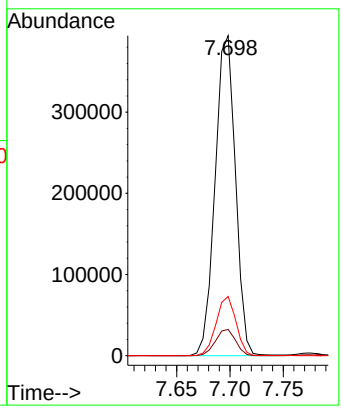


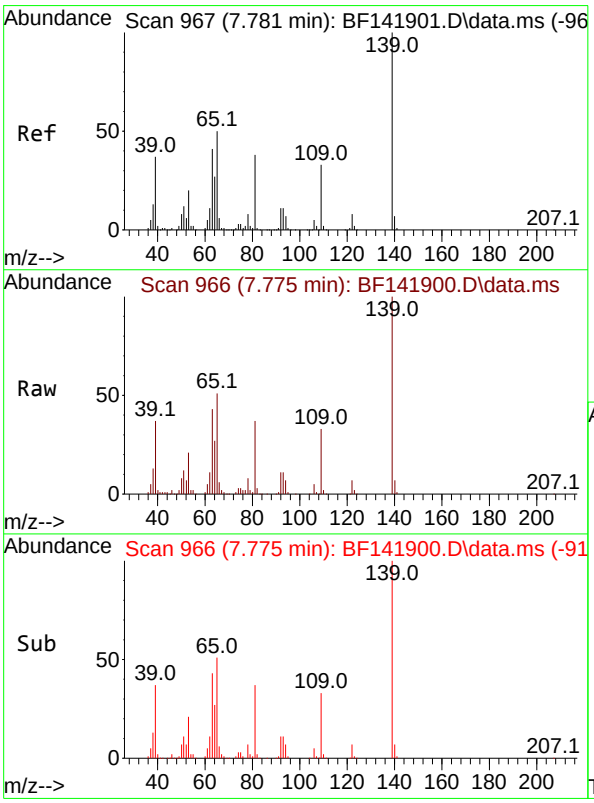
#25
Isophorone
Concen: 20.788 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 522239

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.4	9.6
138	18.5	14.9	22.3

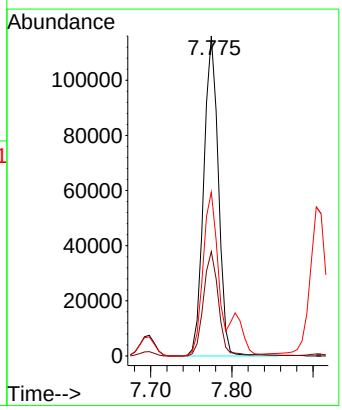


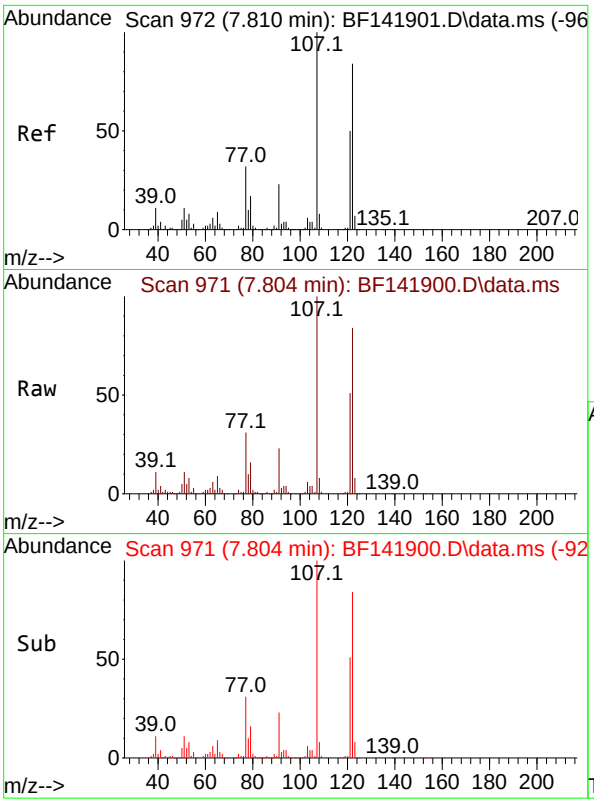


#26
2-Nitrophenol
Concen: 20.970 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:139 Resp: 144979

Ion	Ratio	Lower	Upper
139	100		
109	32.6	26.5	39.7
65	51.2	40.3	60.5



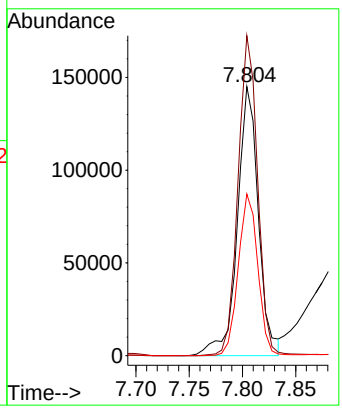


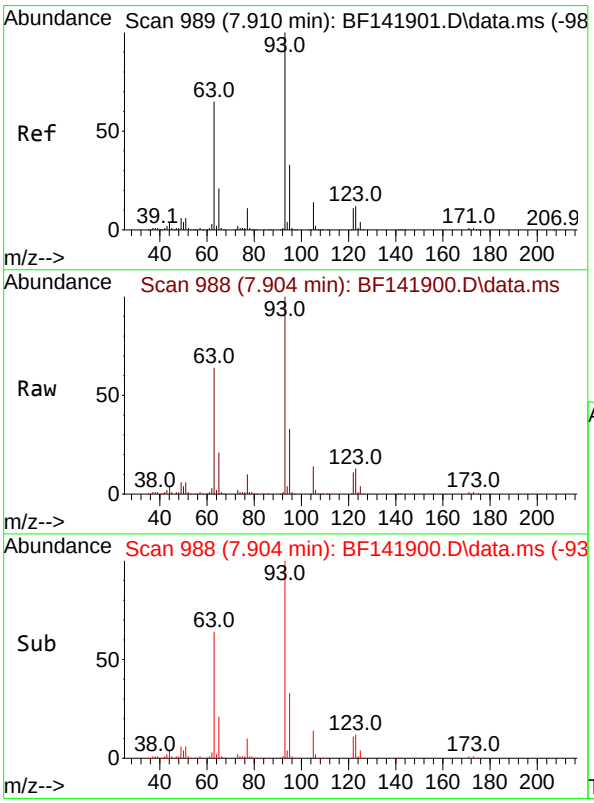
#27
2,4-Dimethylphenol
Concen: 21.009 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 200058

Ion	Ratio	Lower	Upper
122	100		
107	118.9	94.8	142.2
121	60.1	47.8	71.6

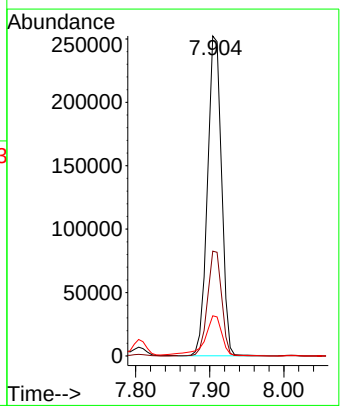


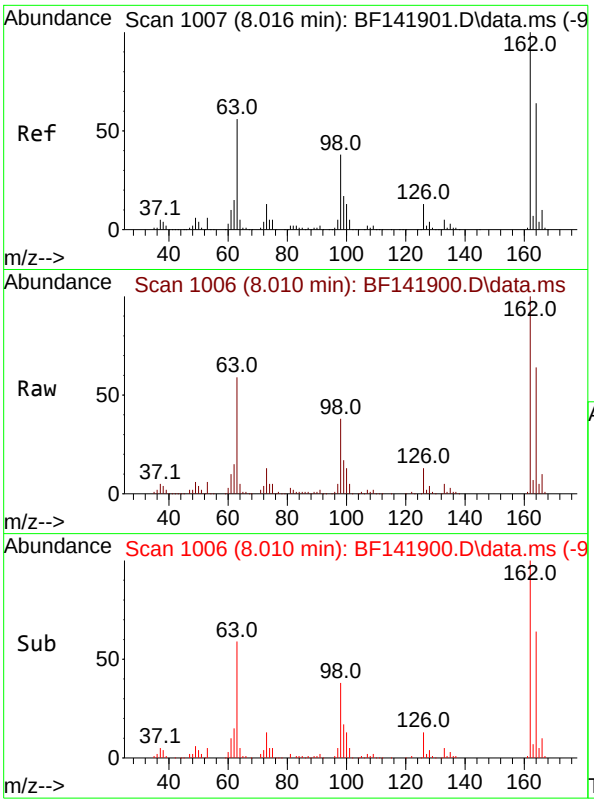


#28
bis(2-Chloroethoxy)methane
Concen: 21.093 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 93 Resp: 331966

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.6	40.0
123	12.6	10.2	15.4



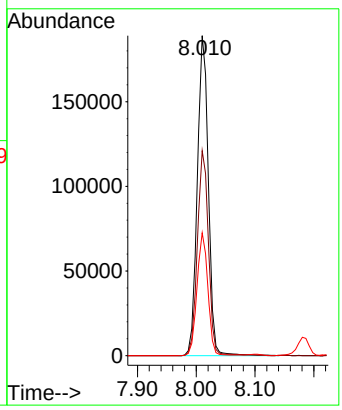


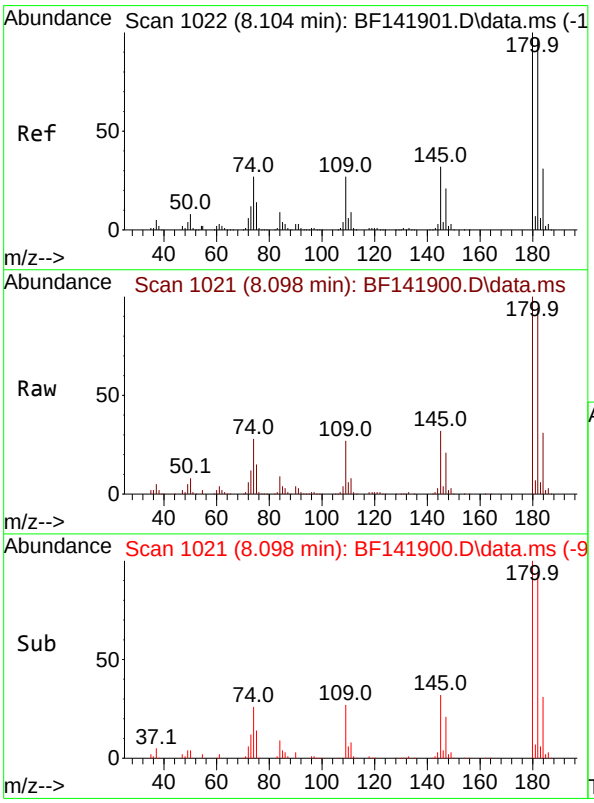
#29
2,4-Dichlorophenol
Concen: 20.884 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 246810

Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.8	83.8
98	38.4	18.1	58.1

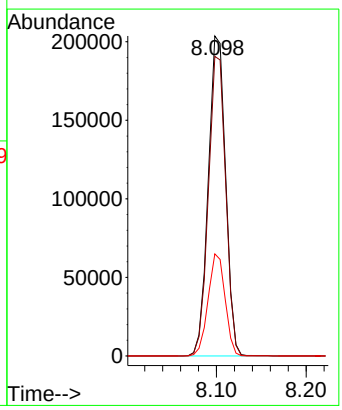


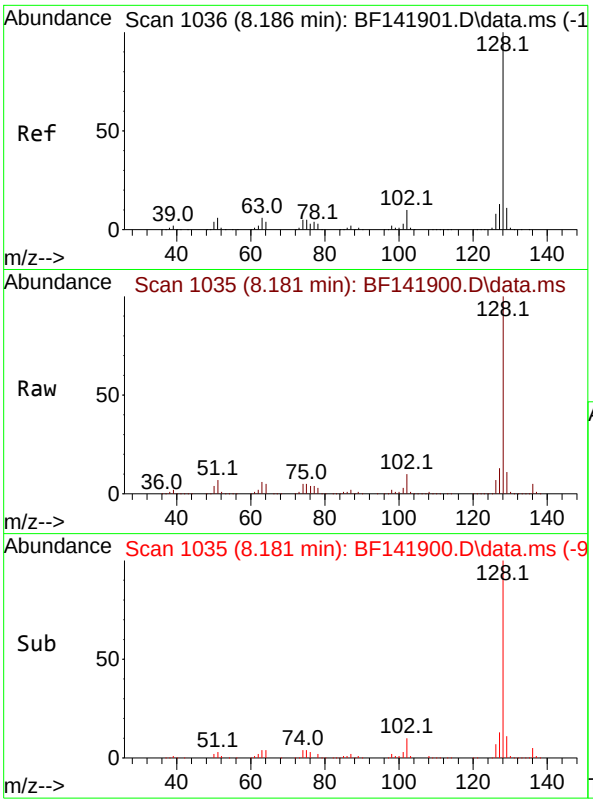


#30
1,2,4-Trichlorobenzene
Concen: 20.922 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:180 Resp: 272773

Ion	Ratio	Lower	Upper
180	100		
182	93.6	77.5	116.3
145	31.9	25.8	38.6



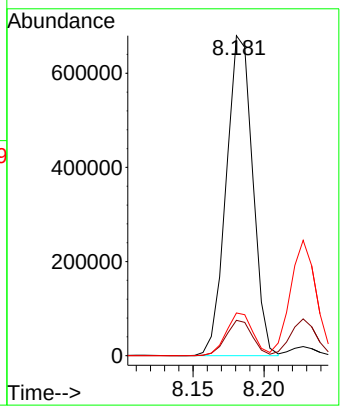


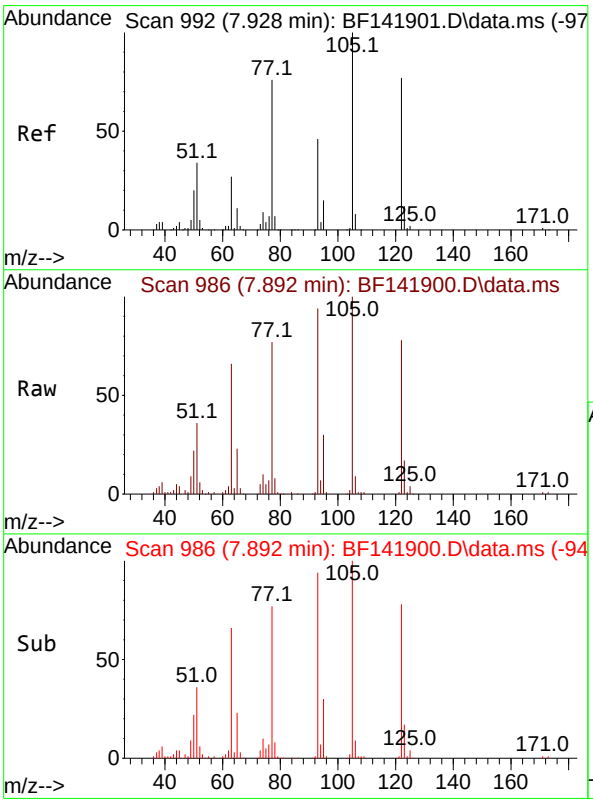
#31
Naphthalene
Concen: 21.487 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 877897

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.4	10.8	16.2

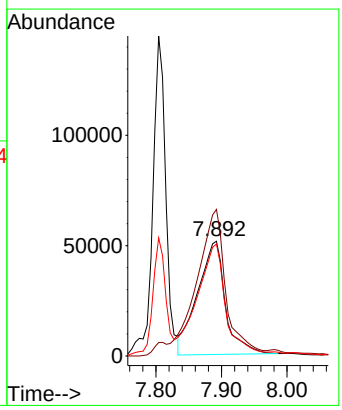


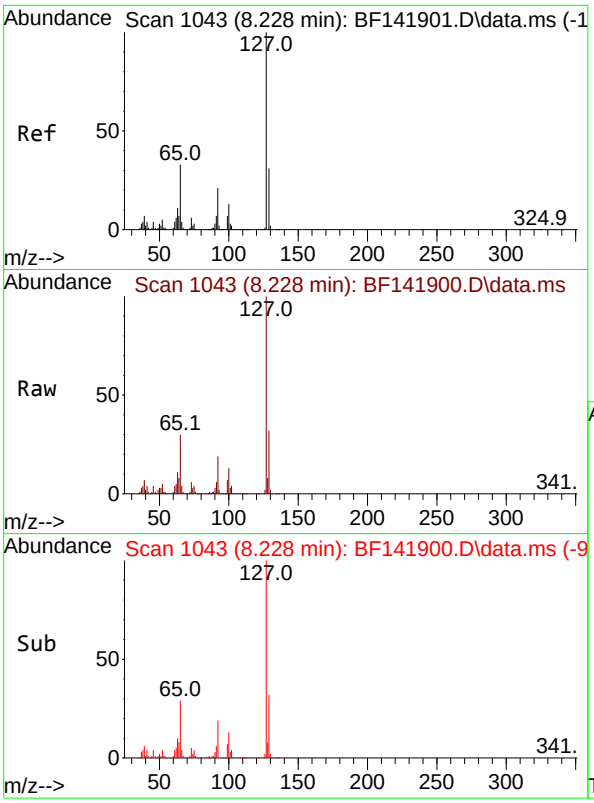


#32
Benzoic acid
Concen: 18.313 ng
RT: 7.892 min Scan# 986
Delta R.T. -0.036 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:122 Resp: 152420

Ion	Ratio	Lower	Upper
122	100		
105	127.6	107.9	147.9
77	97.6	79.0	119.0



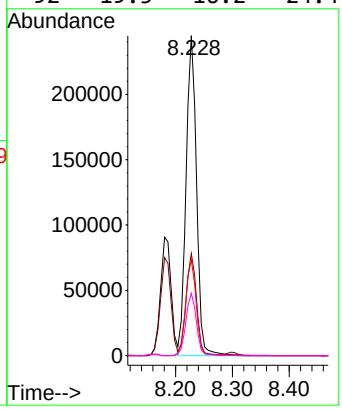


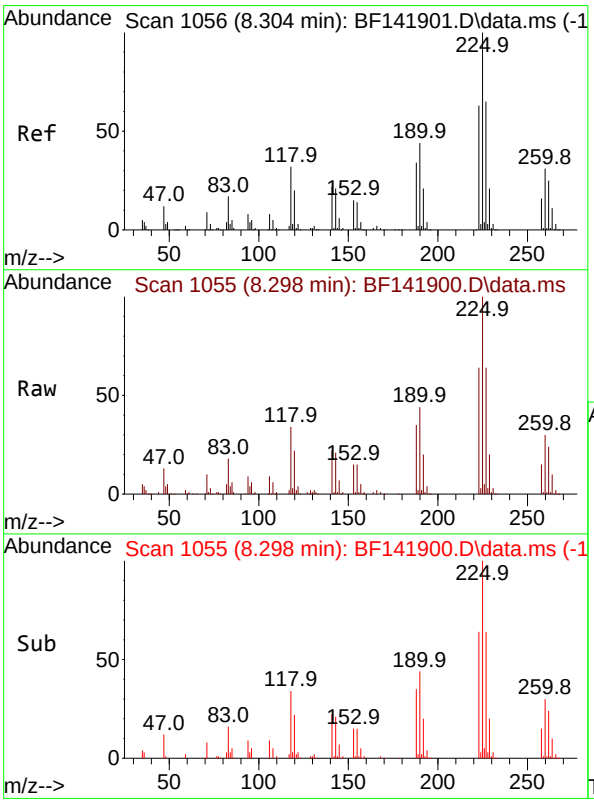
#33
4-Chloroaniline
Concen: 21.726 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 313249

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.2	39.4
65	30.0	25.4	38.2
92	19.5	16.2	24.4

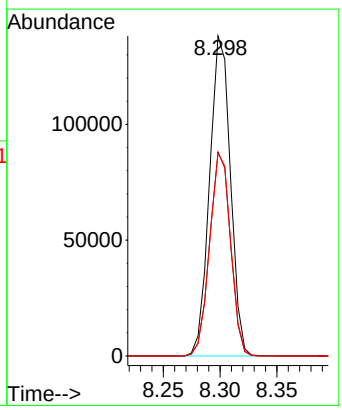


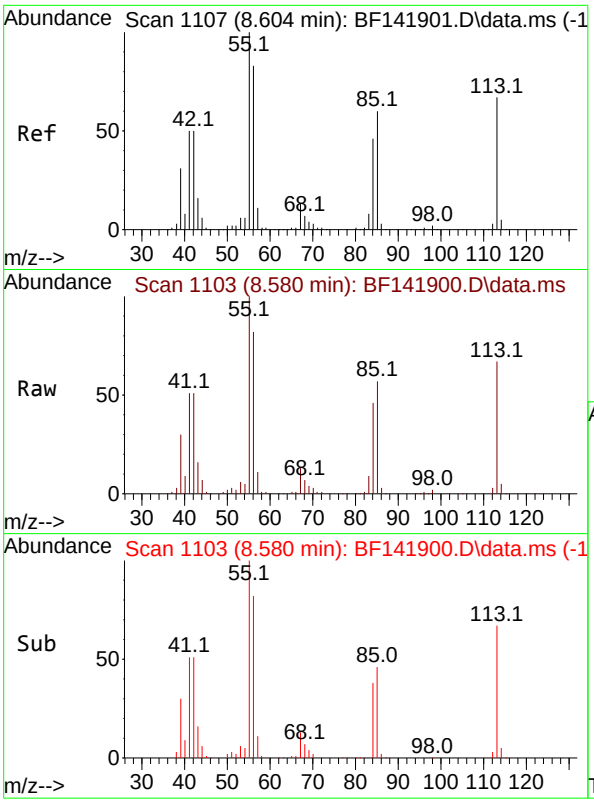


#34
Hexachlorobutadiene
Concen: 20.791 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:225 Resp: 176253

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.6	75.8
227	63.5	52.2	78.2



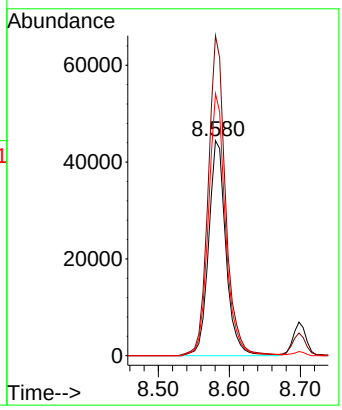


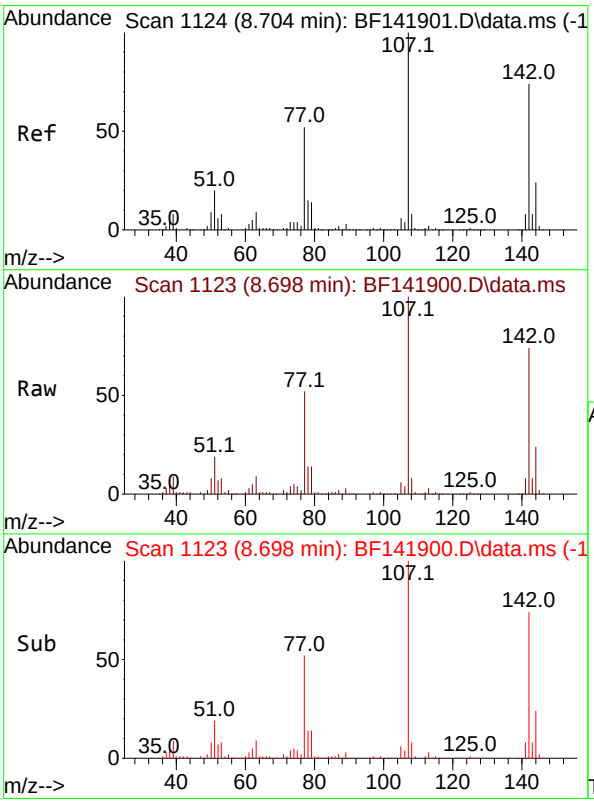
#35
Caprolactam
Concen: 20.884 ng
RT: 8.580 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 75048

Ion	Ratio	Lower	Upper
113	100		
55	148.8	129.6	169.6
56	121.8	104.0	144.0

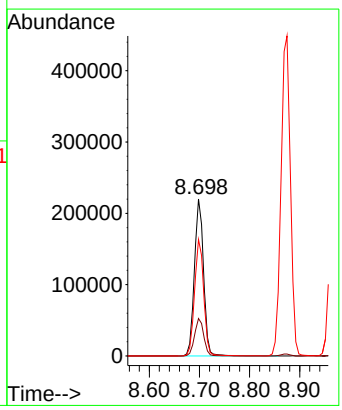


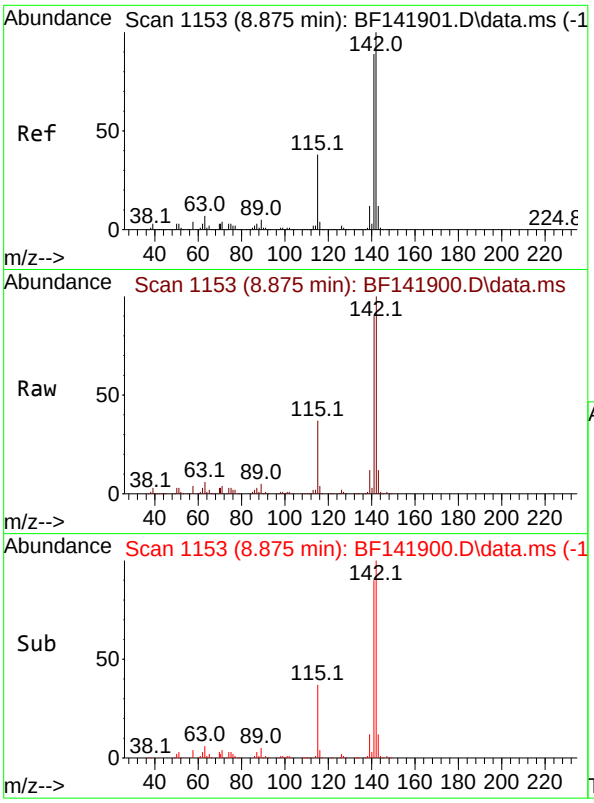


#36
4-Chloro-3-methylphenol
Concen: 21.168 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:107 Resp: 278207

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.0	28.6
142	74.3	59.2	88.8



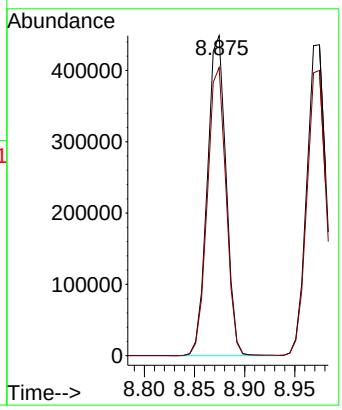


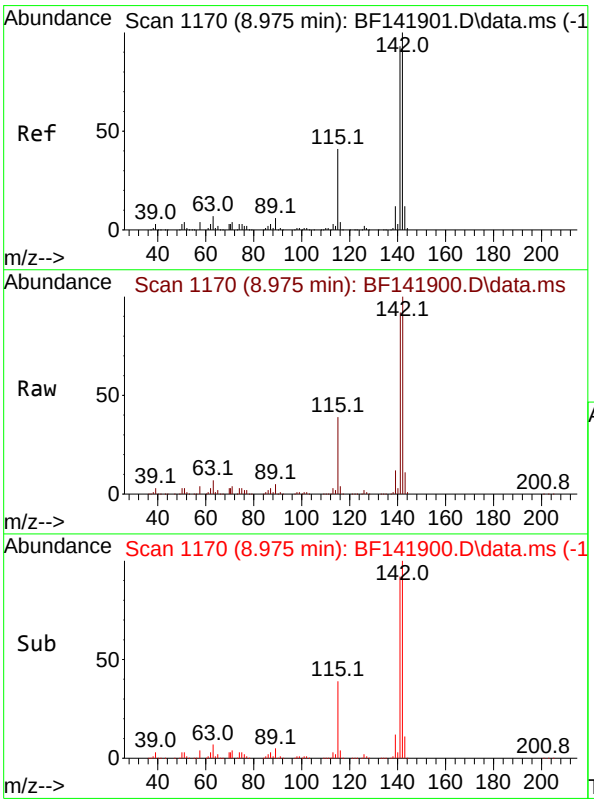
#37
2-Methylnaphthalene
Concen: 21.324 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 584552

Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.2	106.8

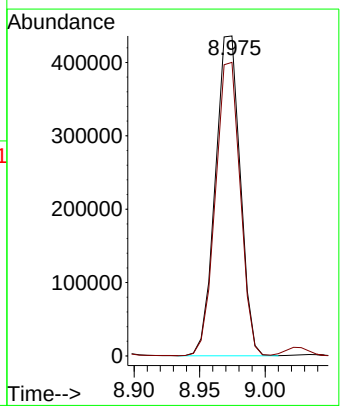


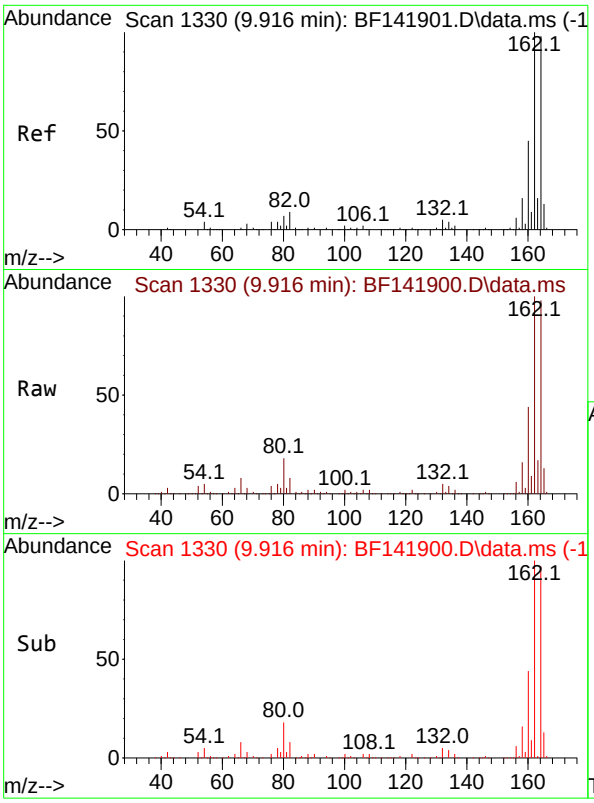


#38
1-Methylnaphthalene
Concen: 21.677 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:142 Resp: 575428

Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.2	111.4



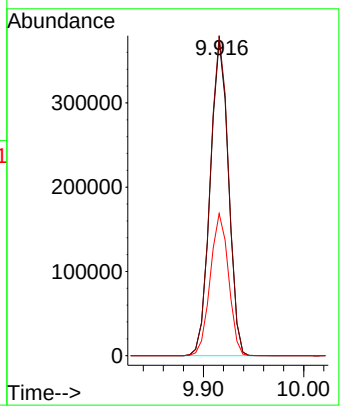


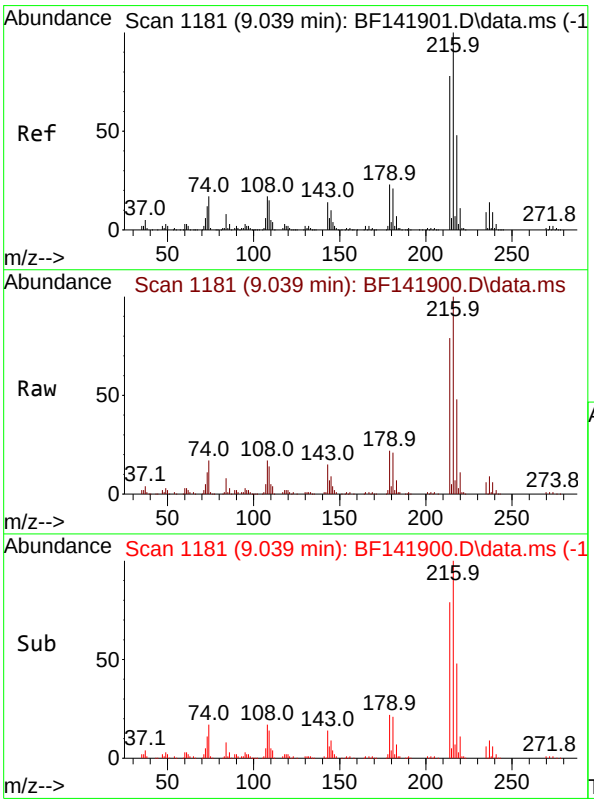
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 470833

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.8	122.6
160	45.1	36.7	55.1

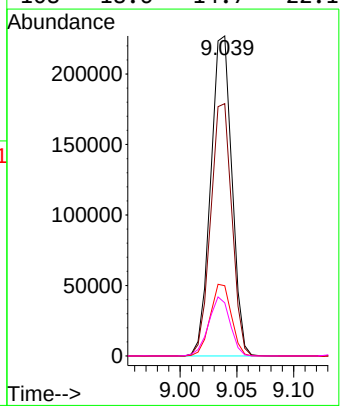


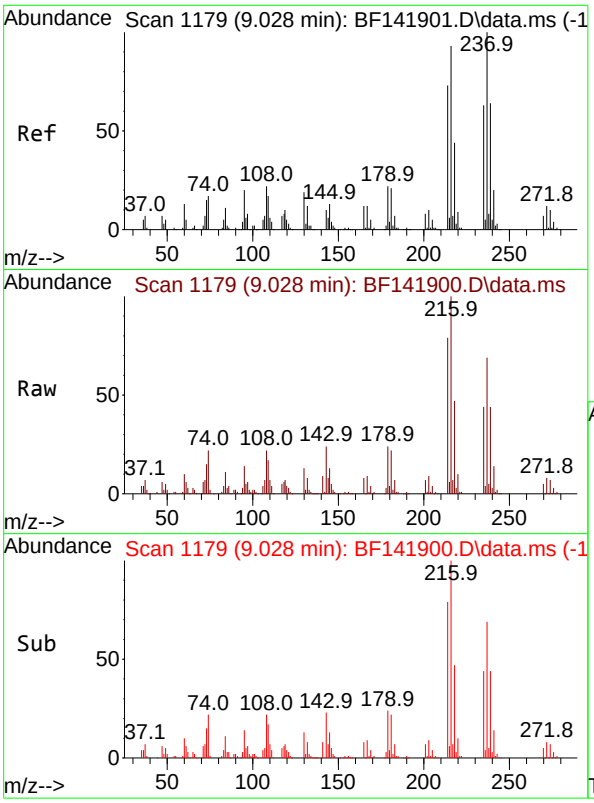


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.538 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:216 Resp: 294845

Ion	Ratio	Lower	Upper
216	100		
214	78.7	61.9	92.9
179	22.3	18.1	27.1
108	18.6	14.7	22.1



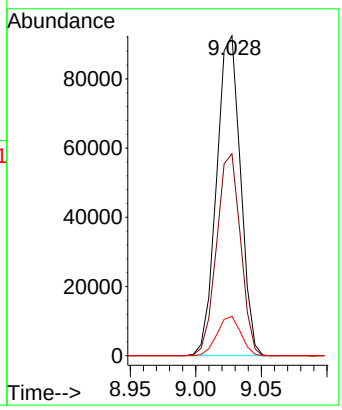


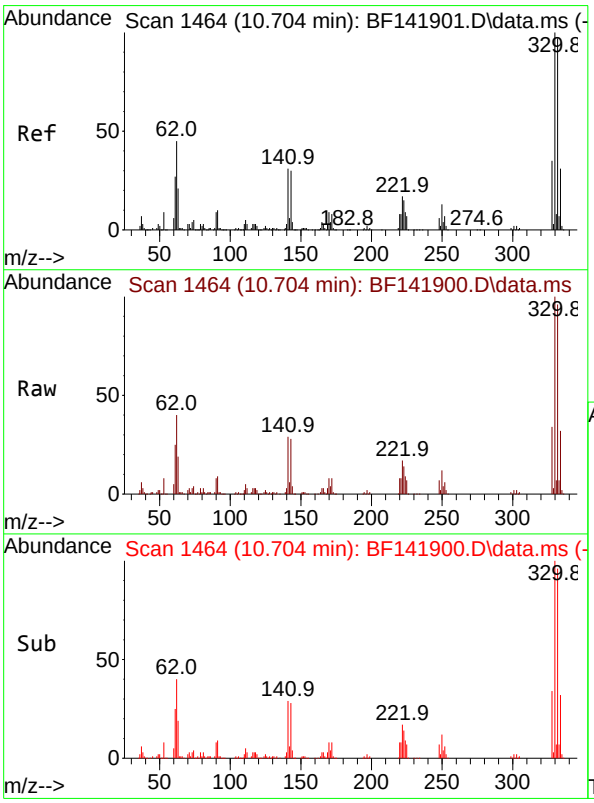
#41
Hexachlorocyclopentadiene
Concen: 20.685 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 117174

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.1	83.1
272	12.3	0.0	32.0

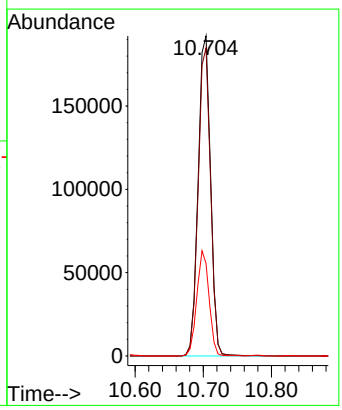


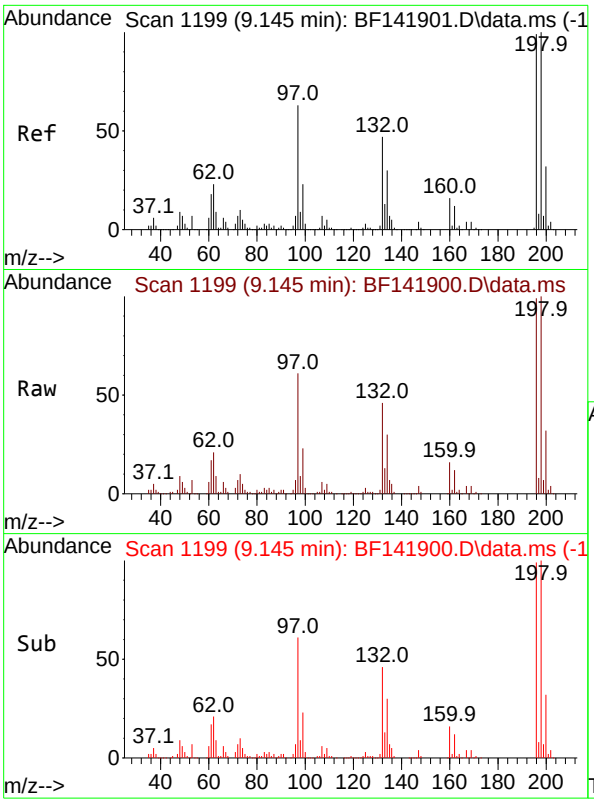


#42
2,4,6-Tribromophenol
Concen: 40.869 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:330 Resp: 243832

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.6	116.4
141	32.4	24.7	37.1



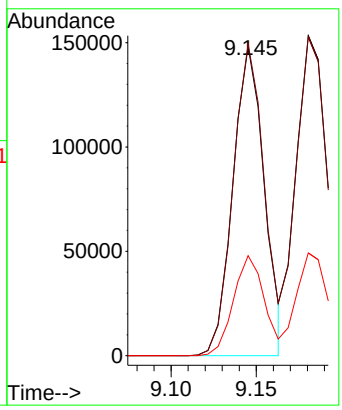


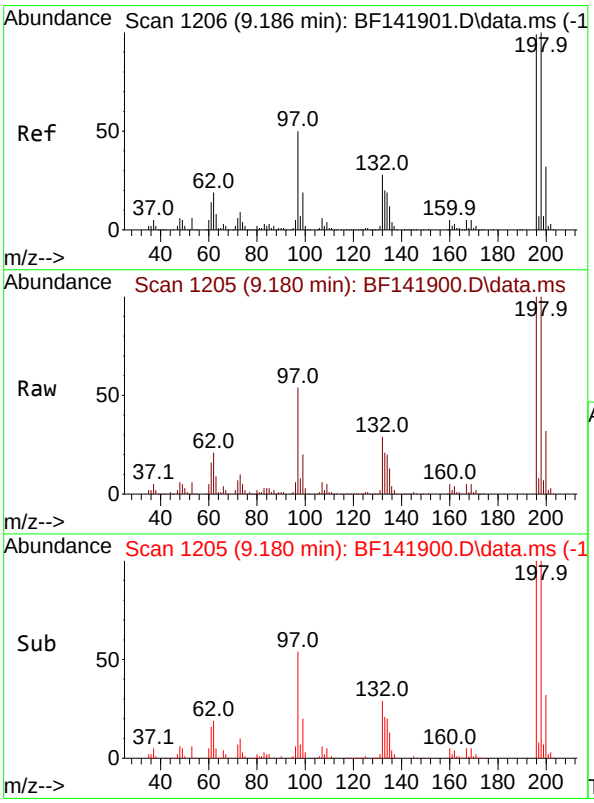
#43
2,4,6-Trichlorophenol
Concen: 20.203 ng
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 189069

Ion	Ratio	Lower	Upper
196	100		
198	100.9	80.6	121.0
200	32.3	25.8	38.6

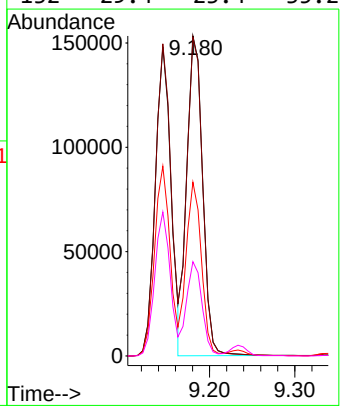


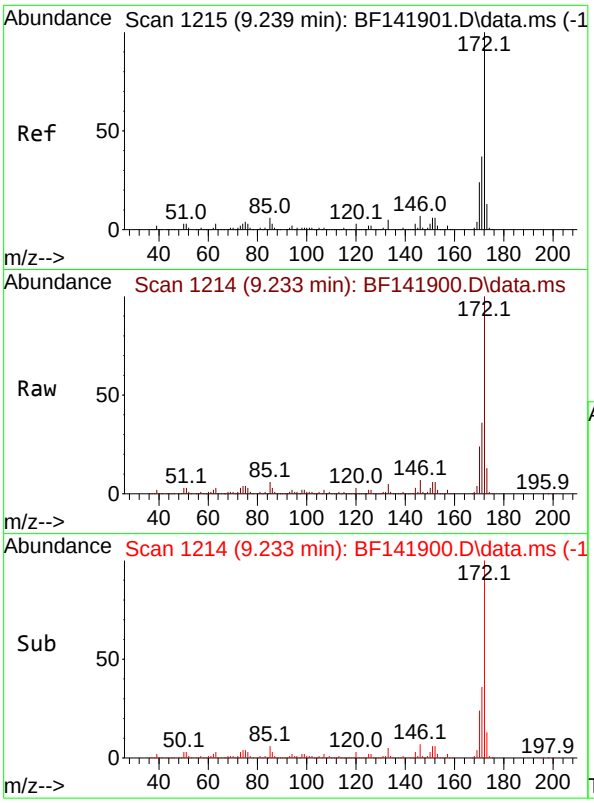


#44
2,4,5-Trichlorophenol
Concen: 20.912 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:196 Resp: 198841

Ion	Ratio	Lower	Upper
196	100		
198	99.6	80.7	121.1
97	54.3	42.1	63.1
132	29.4	23.4	35.2



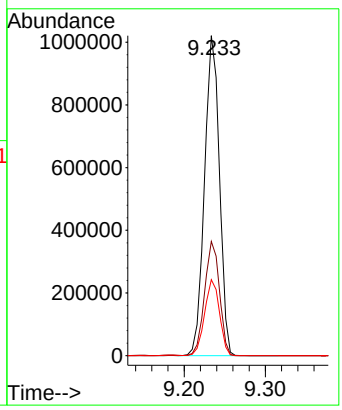


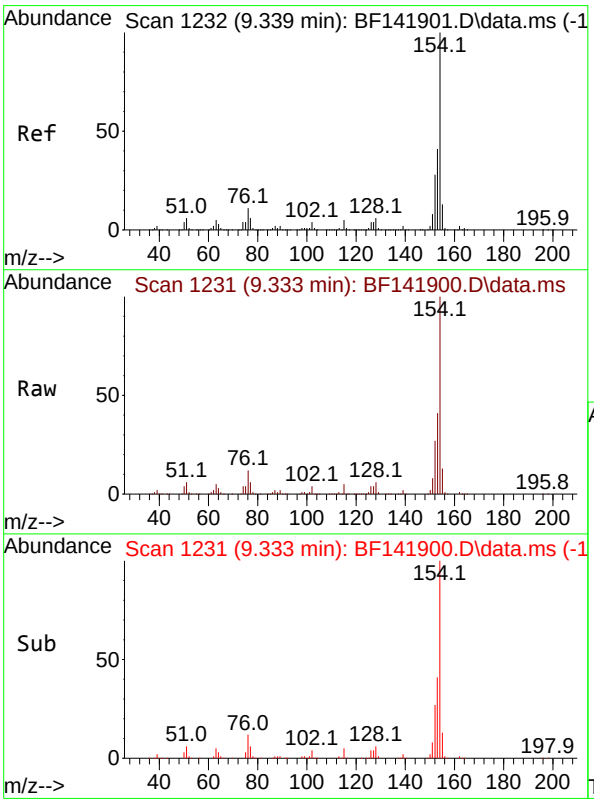
#45
2-Fluorobiphenyl
Concen: 42.002 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1298709

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.3	43.9
170	23.7	19.4	29.0

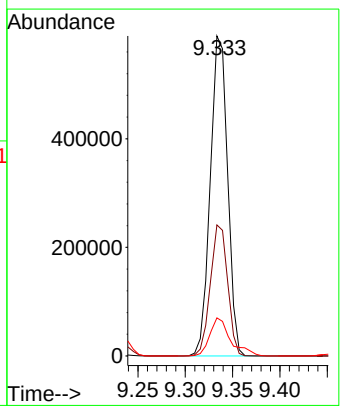


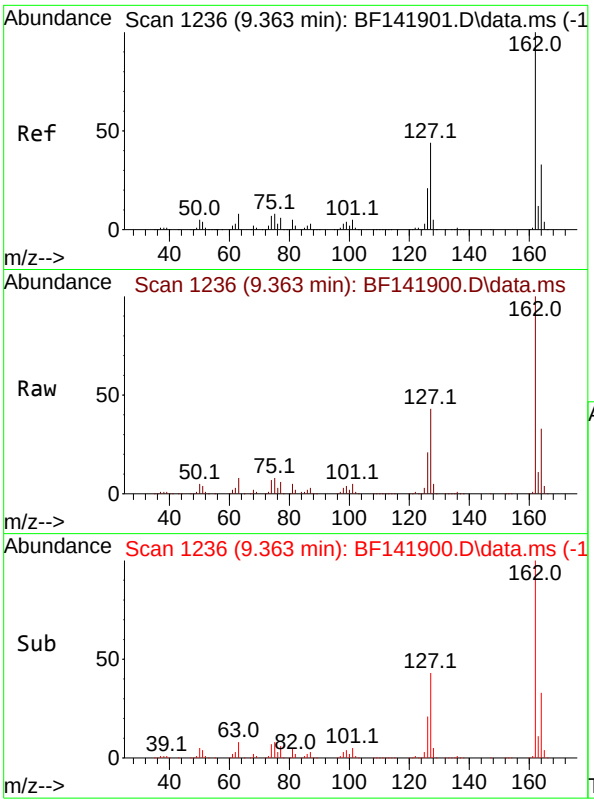


#46
1,1'-Biphenyl
Concen: 20.985 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:154 Resp: 749087

Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.1	61.1
76	11.9	0.0	31.3



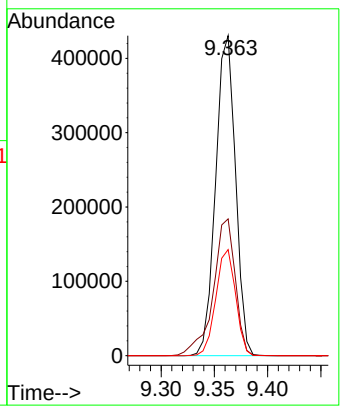


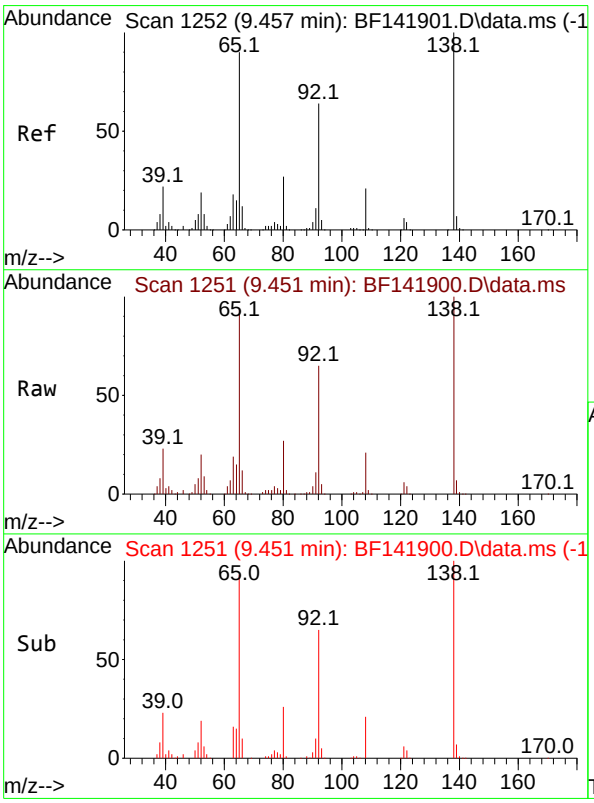
#47
2-Chloronaphthalene
Concen: 20.898 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 555946

Ion	Ratio	Lower	Upper
162	100		
127	42.8	35.5	53.3
164	33.1	26.6	40.0

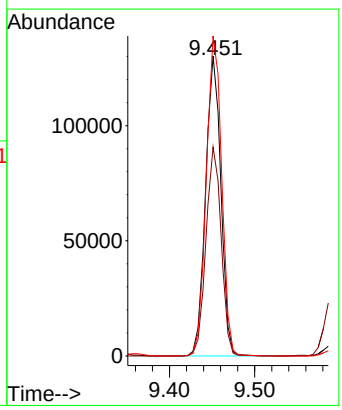


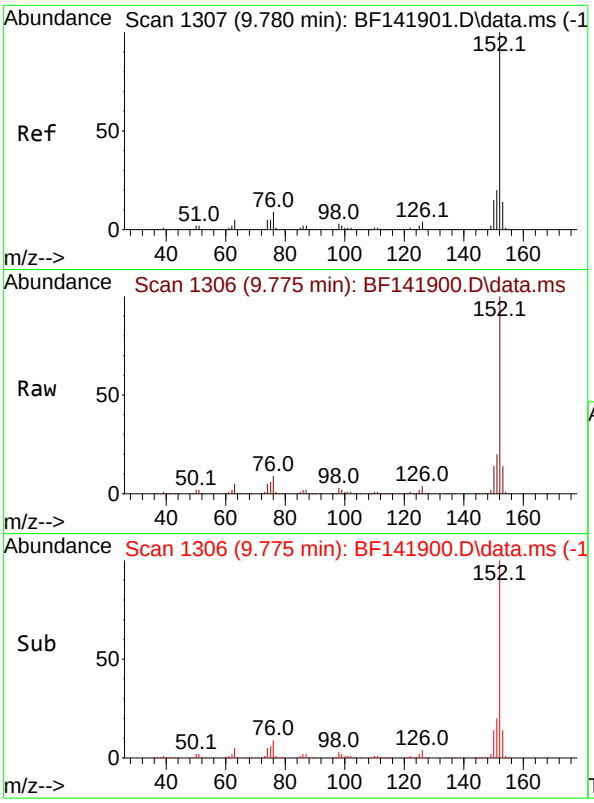


#48
2-Nitroaniline
Concen: 21.302 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 65 Resp: 162790

Ion	Ratio	Lower	Upper
65	100		
92	69.7	56.6	84.8
138	106.7	88.6	133.0



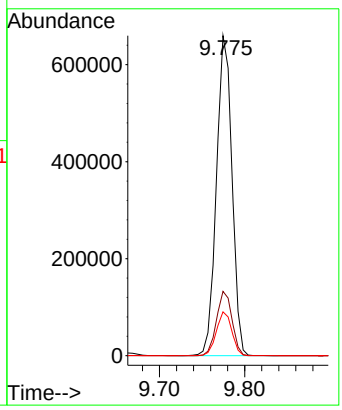


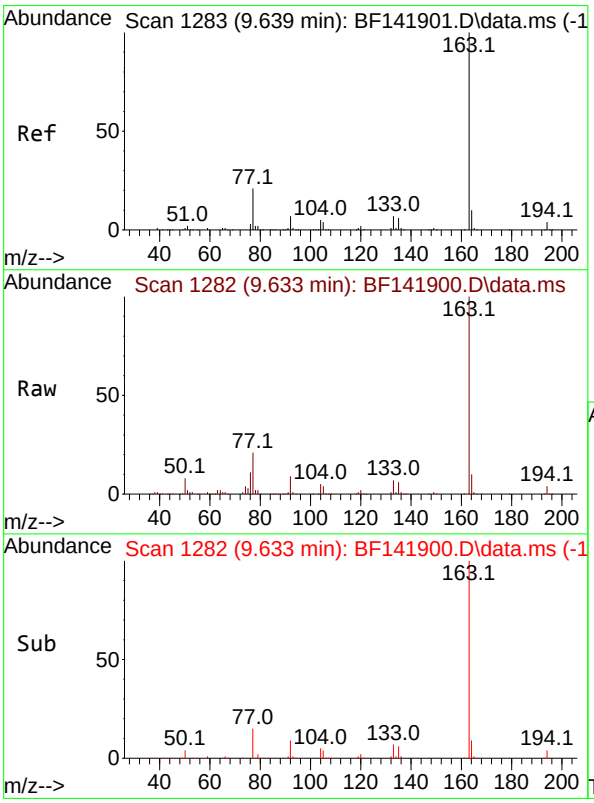
#49
Acenaphthylene
Concen: 21.222 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 837016

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	13.7	11.1	16.7

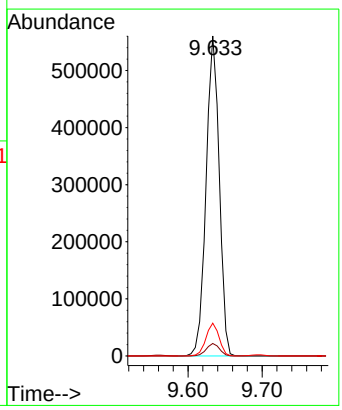


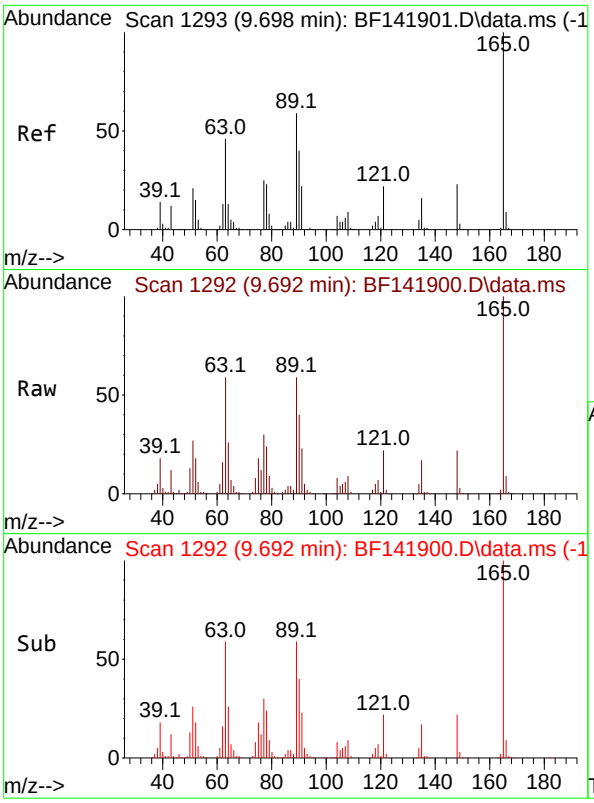


#50
Dimethylphthalate
Concen: 21.137 ng
RT: 9.633 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:163 Resp: 691454

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.3	8.2	12.4



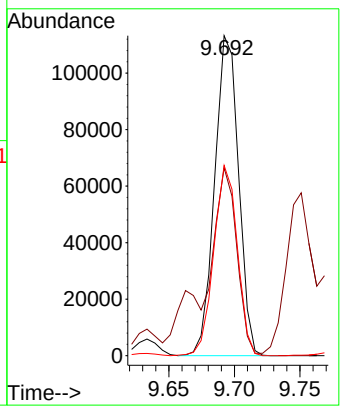


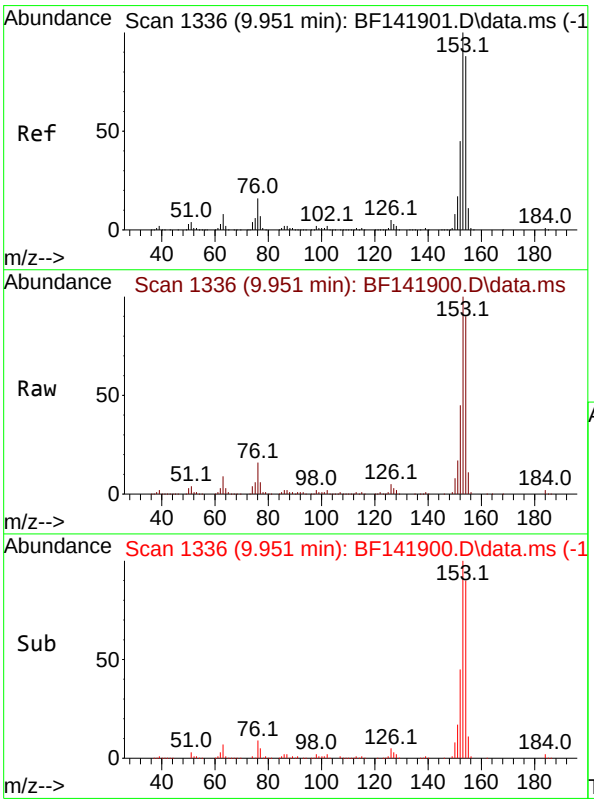
#51
2,6-Dinitrotoluene
Concen: 21.096 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 143513

Ion	Ratio	Lower	Upper
165	100		
63	58.7	47.0	70.4
89	59.5	47.4	71.2

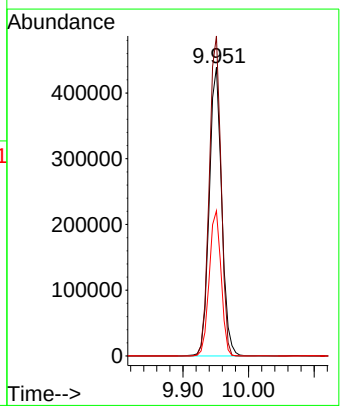


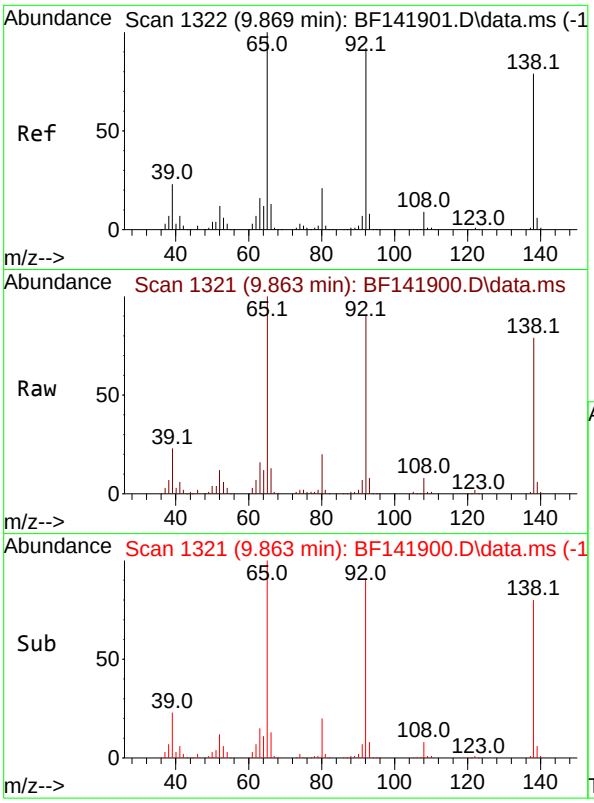


#52
Acenaphthene
Concen: 20.813 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:154 Resp: 579623

Ion	Ratio	Lower	Upper
154	100		
153	110.9	90.7	136.1
152	50.3	41.1	61.7



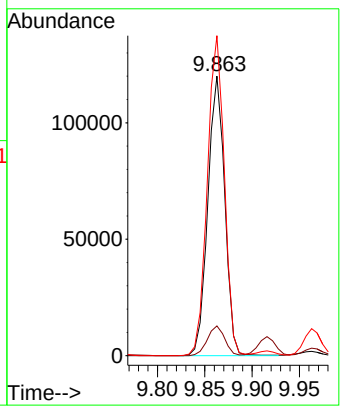


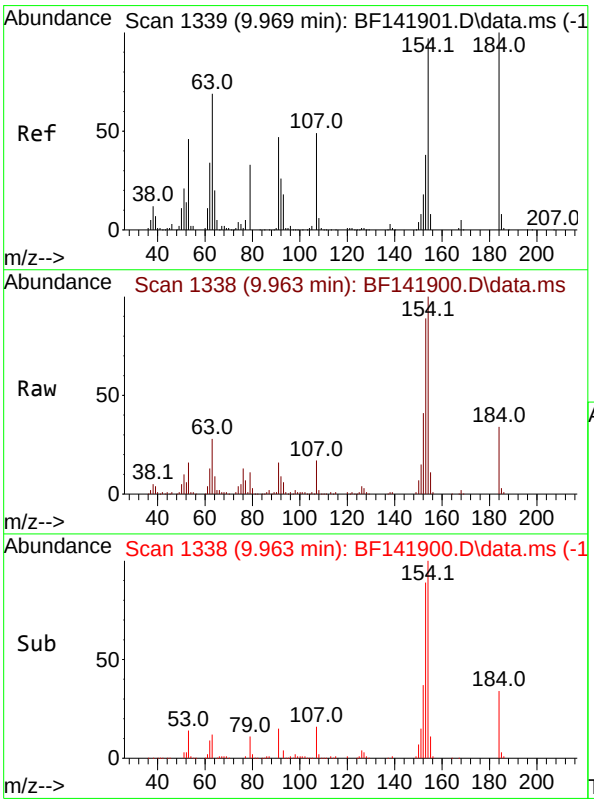
#53
3-Nitroaniline
Concen: 21.327 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 148977

Ion	Ratio	Lower	Upper
138	100		
108	10.6	9.3	13.9
92	114.5	93.5	140.3

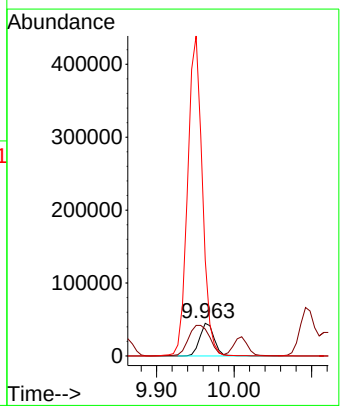


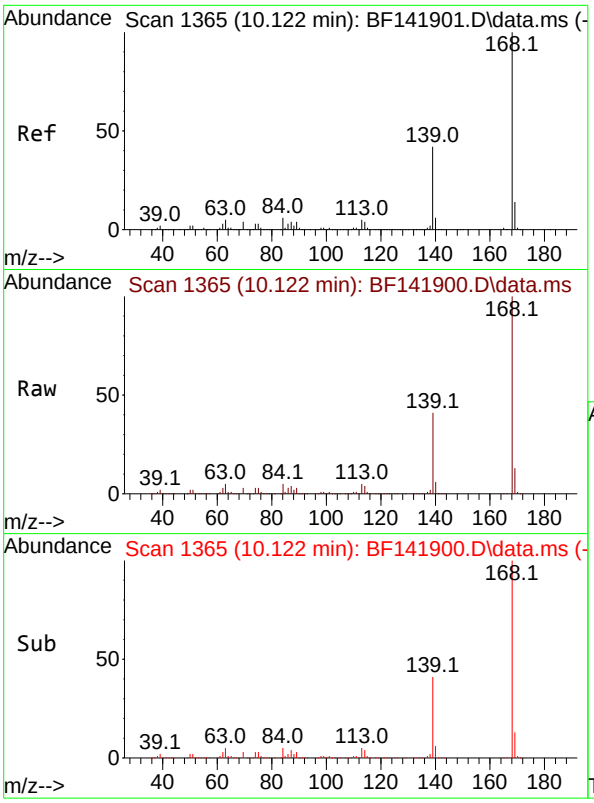


#54
2,4-Dinitrophenol
Concen: 20.368 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:184 Resp: 58223

Ion	Ratio	Lower	Upper
184	100		
63	82.2	60.2	90.4
154	293.5	132.9	199.3#



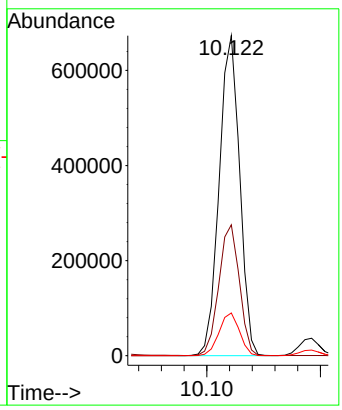


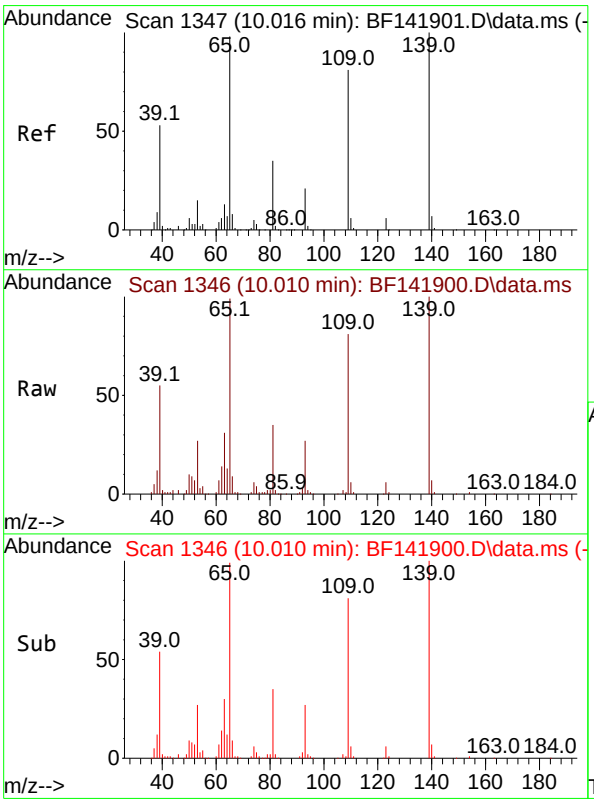
#55
Dibenzofuran
Concen: 21.238 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 843359

Ion	Ratio	Lower	Upper
168	100		
139	40.9	33.9	50.9
169	13.3	11.0	16.4

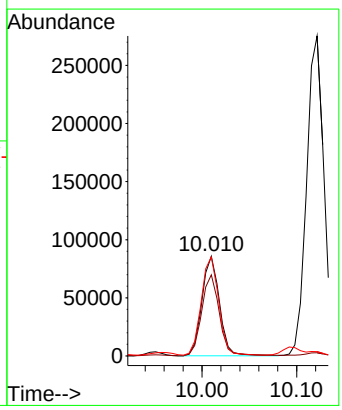


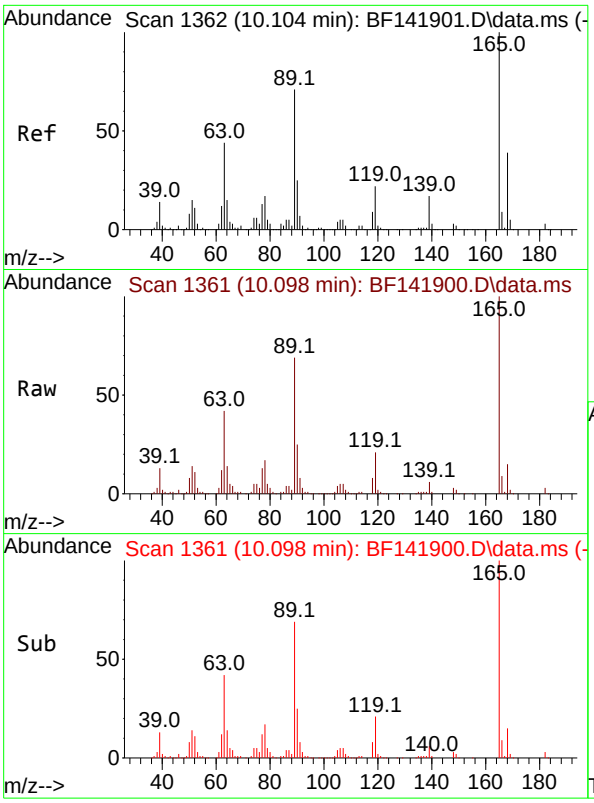


#56
4-Nitrophenol
Concen: 20.955 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:139 Resp: 109958

Ion	Ratio	Lower	Upper
139	100		
109	81.5	61.6	101.6
65	99.4	79.4	119.4



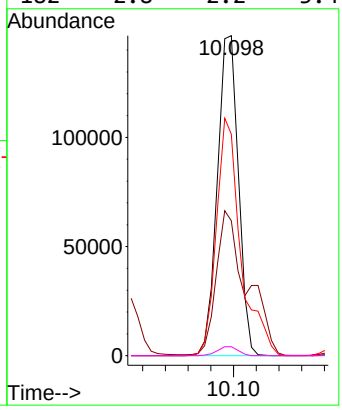


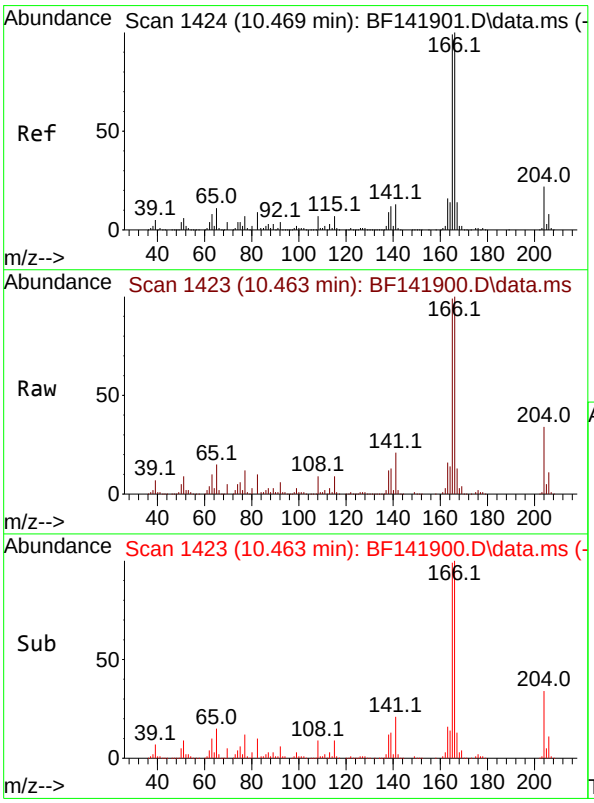
#57
2,4-Dinitrotoluene
Concen: 21.132 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 189234

Ion	Ratio	Lower	Upper
165	100		
63	42.1	35.4	53.2
89	69.2	56.6	84.8
182	2.8	2.2	3.4

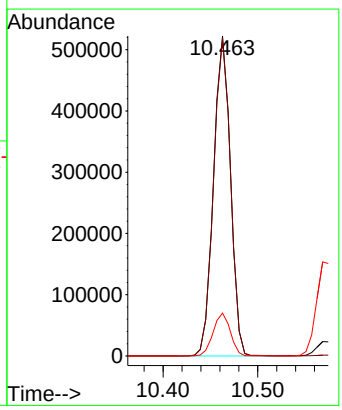


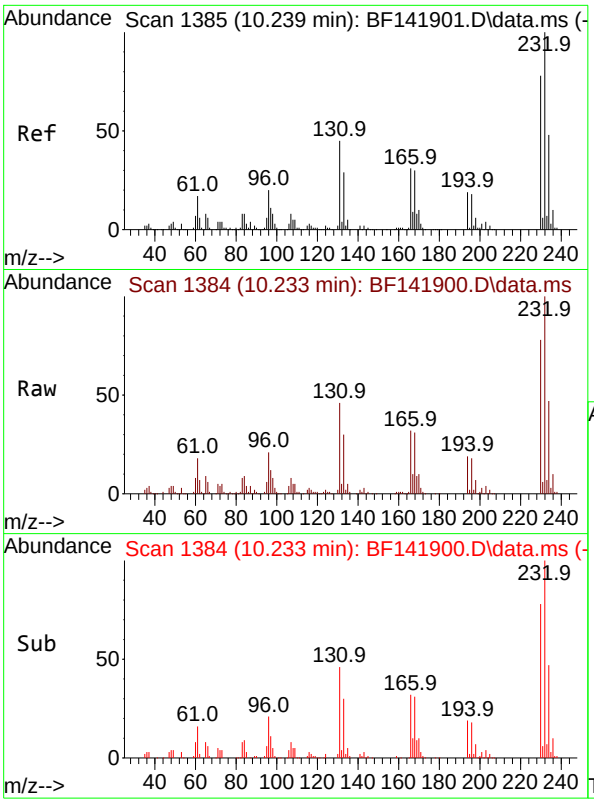


#58
Fluorene
Concen: 21.211 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:166 Resp: 650245

Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.0	118.4
167	13.4	11.0	16.4



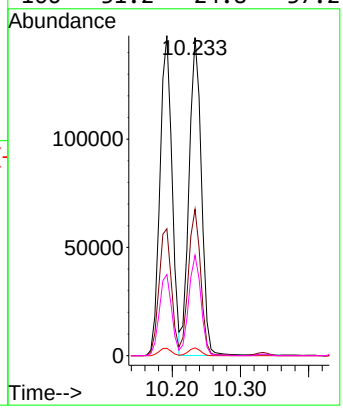


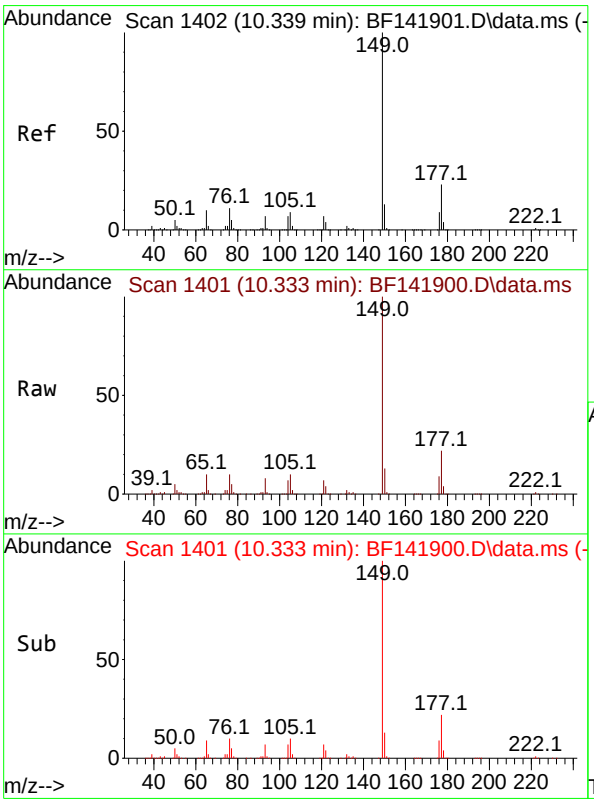
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.272 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 183513

Ion	Ratio	Lower	Upper
232	100		
131	46.0	37.3	55.9
130	2.4	1.9	2.9
166	31.2	24.8	37.2

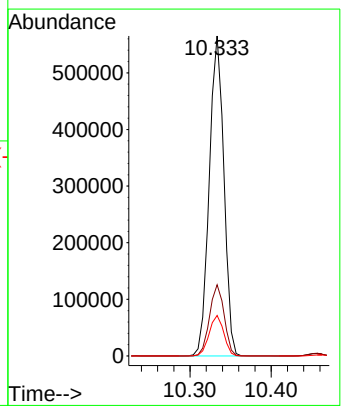


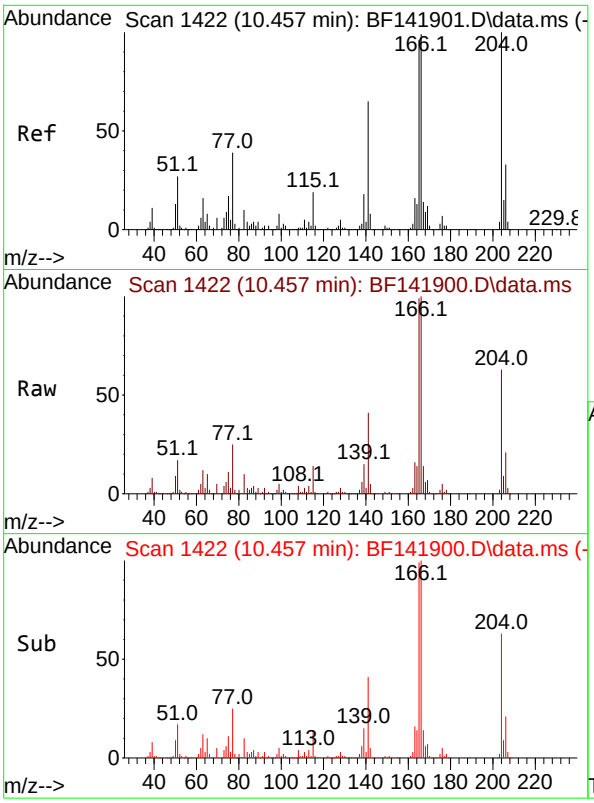


#60
Diethylphthalate
Concen: 21.468 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 704993

Ion	Ratio	Lower	Upper
149	100		
177	22.3	18.0	27.0
150	12.6	10.2	15.4



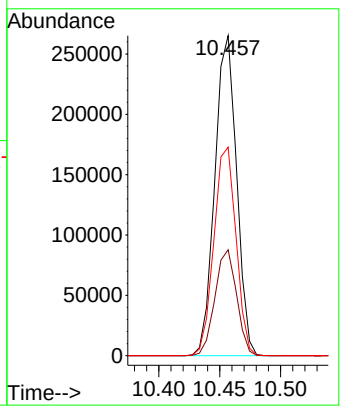


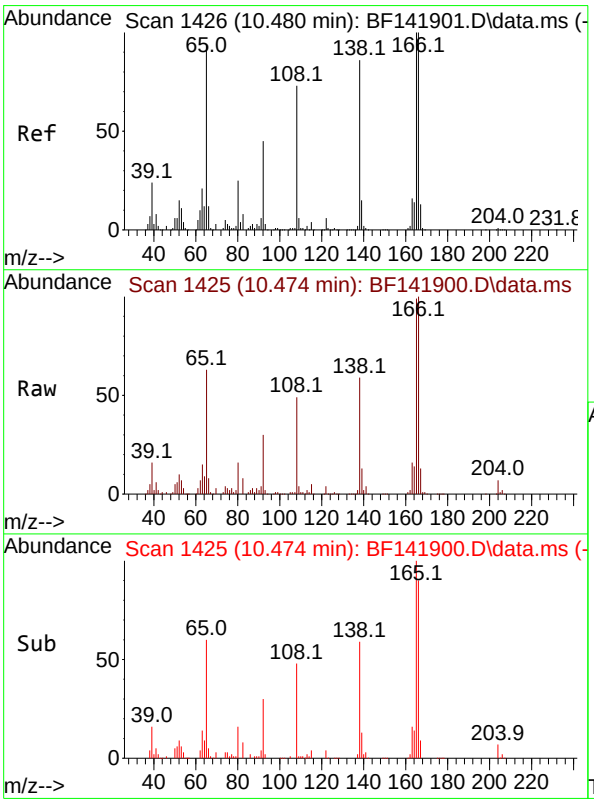
#61
4-Chlorophenyl-phenylether
Concen: 20.698 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 330489

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.8	40.2
141	65.1	52.4	78.6

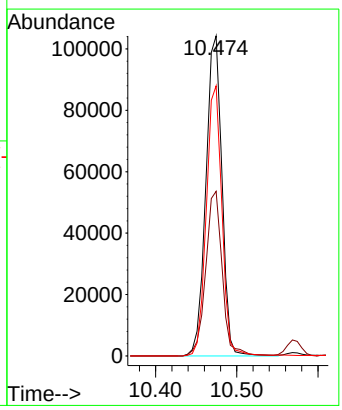


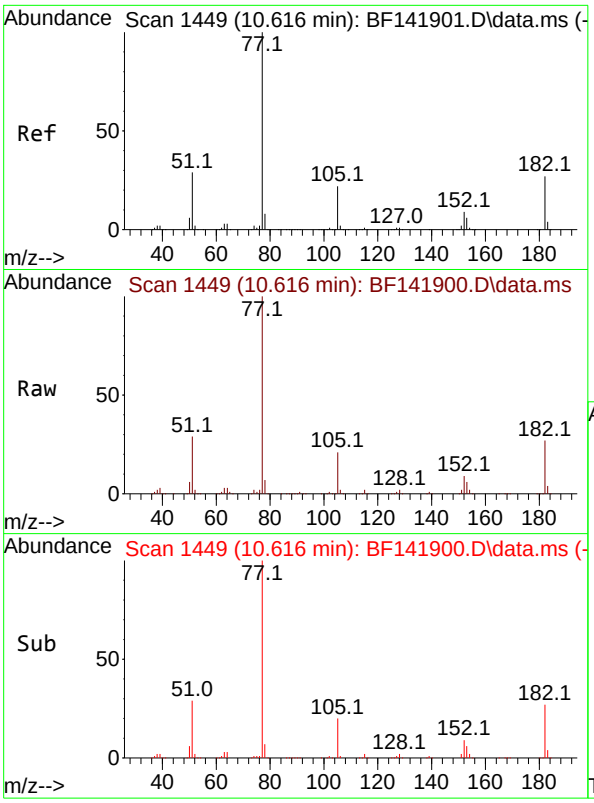


#62
4-Nitroaniline
Concen: 21.125 ng
RT: 10.474 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:138 Resp: 142995

Ion	Ratio	Lower	Upper
138	100		
92	51.4	32.6	72.6
108	84.4	65.0	105.0



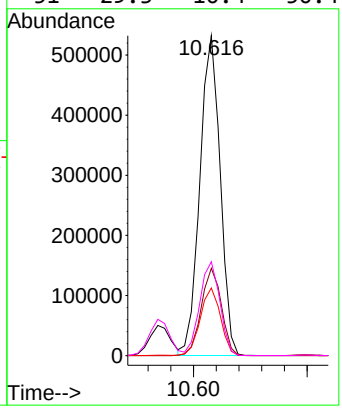


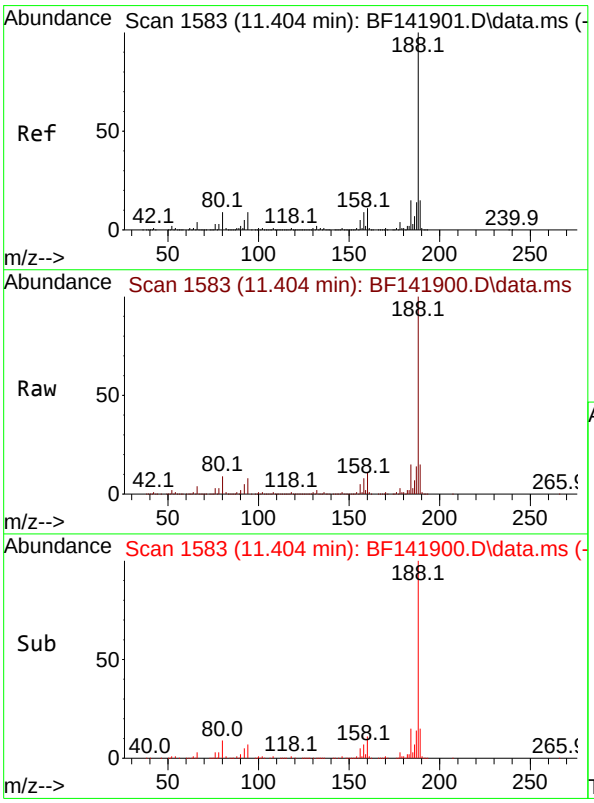
#63
Azobenzene
Concen: 21.665 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 660935

Ion	Ratio	Lower	Upper
77	100		
182	27.3	6.6	46.6
105	21.2	1.3	41.3
51	29.3	10.4	50.4

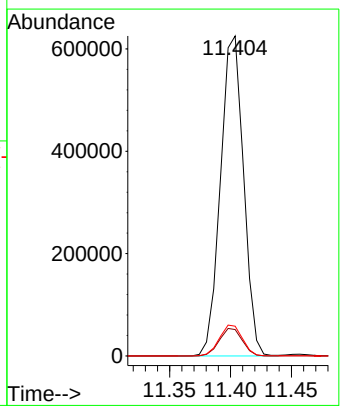


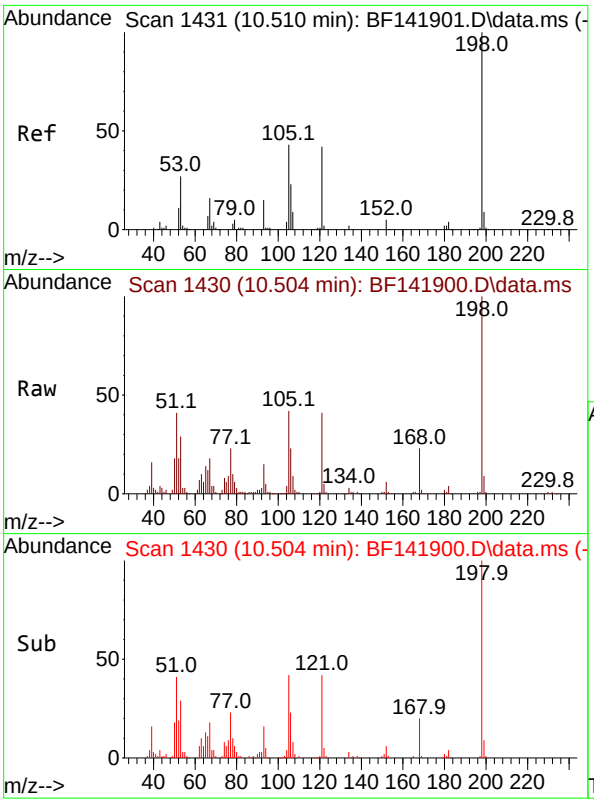


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:188 Resp: 826085

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.8	10.2
80	9.3	7.6	11.4



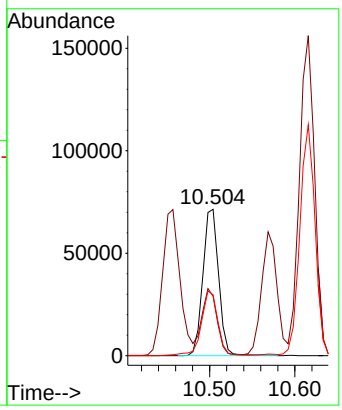


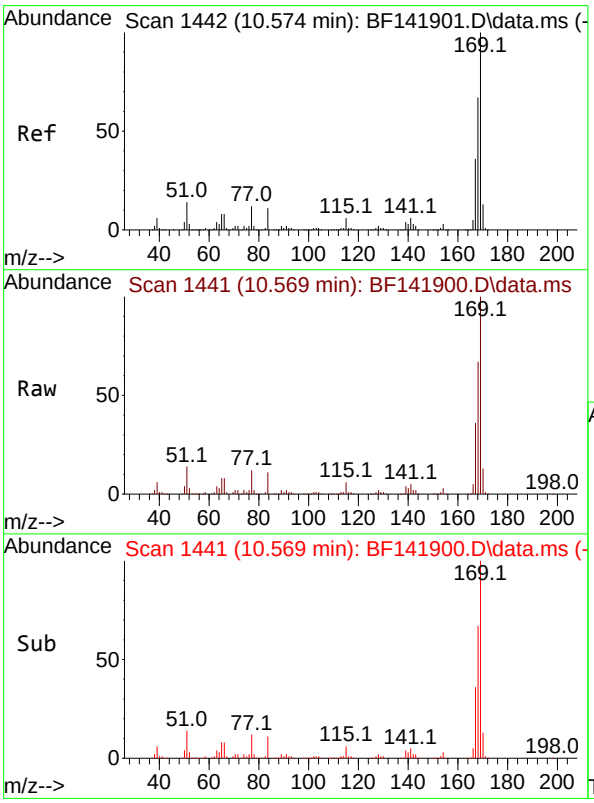
#65
4,6-Dinitro-2-methylphenol
Concen: 18.755 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 91852

Ion	Ratio	Lower	Upper
198	100		
51	40.7	22.3	62.3
105	41.6	23.0	63.0

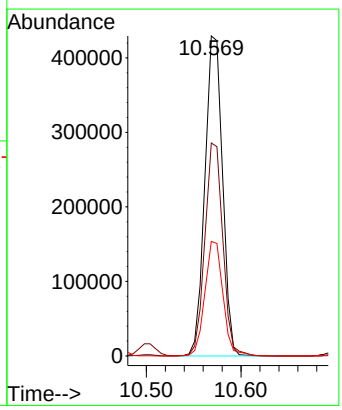


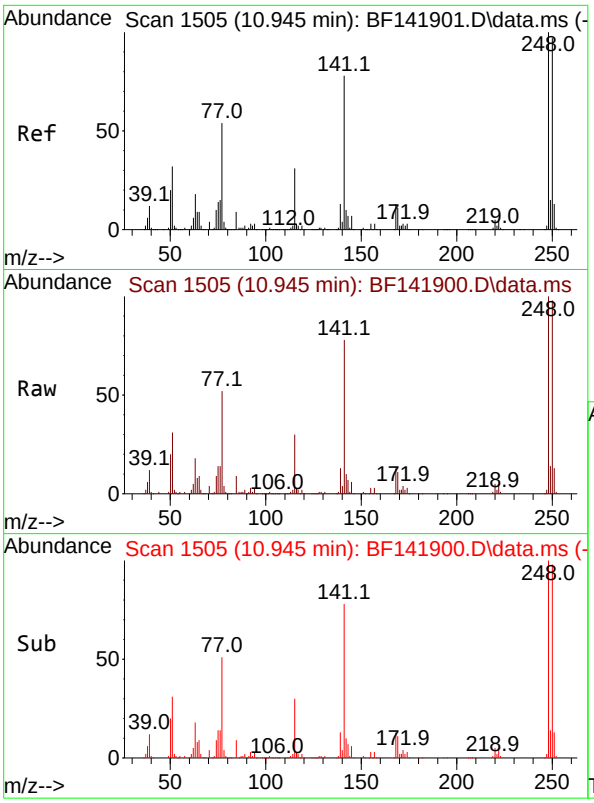


#66
n-Nitrosodiphenylamine
Concen: 20.756 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:169 Resp: 553905

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.7	80.5
167	35.8	29.2	43.8



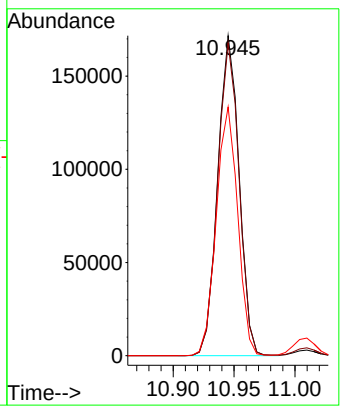


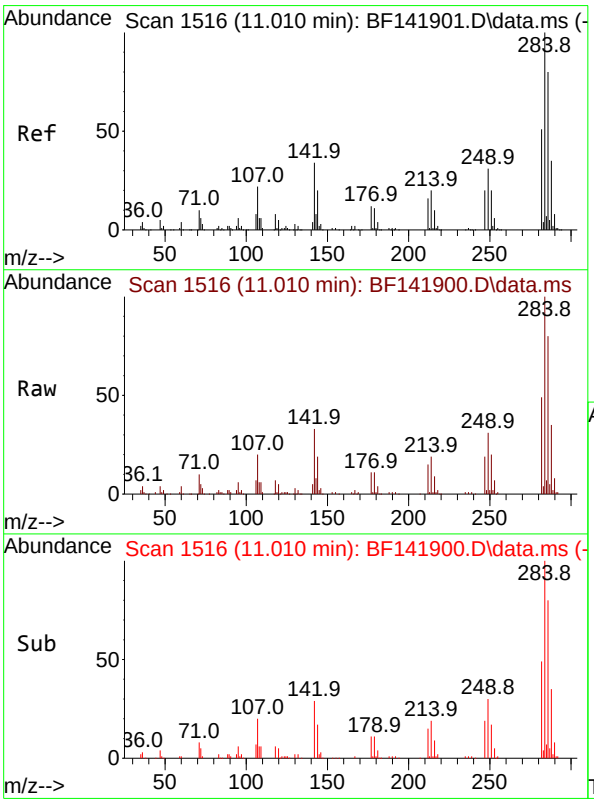
#67
4-Bromophenyl-phenylether
Concen: 20.436 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 210241

Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.8	116.8
141	77.7	62.6	93.8

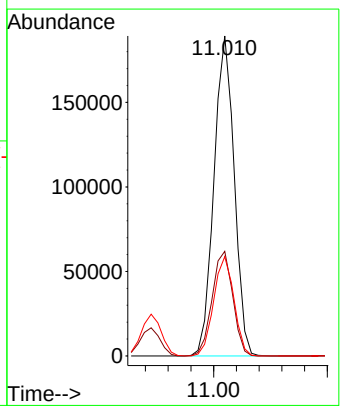


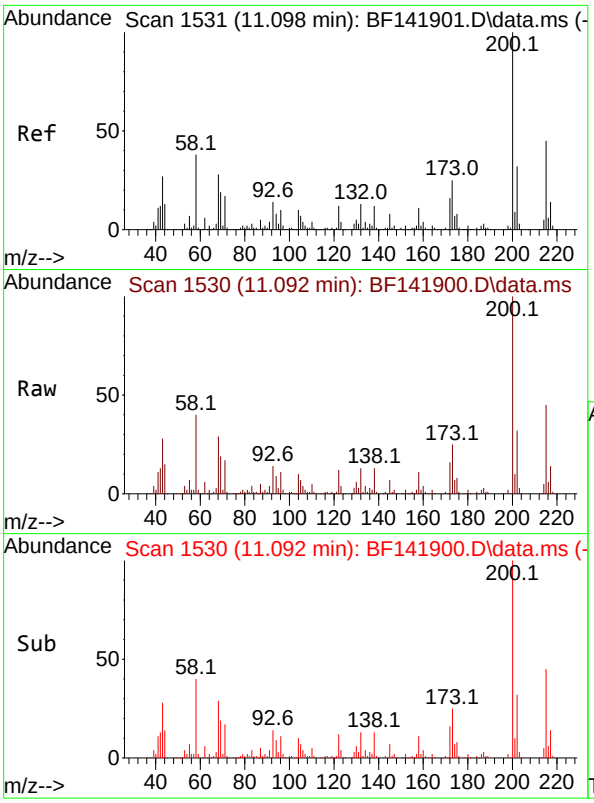


#68
Hexachlorobenzene
Concen: 20.613 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:284 Resp: 234399

Ion	Ratio	Lower	Upper
284	100		
142	32.7	27.0	40.6
249	31.1	25.2	37.8



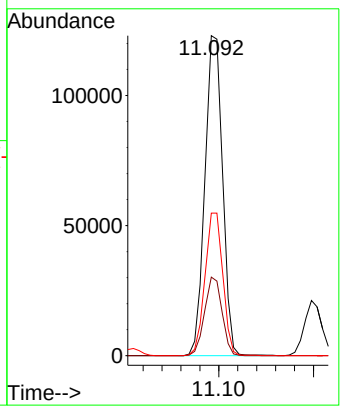


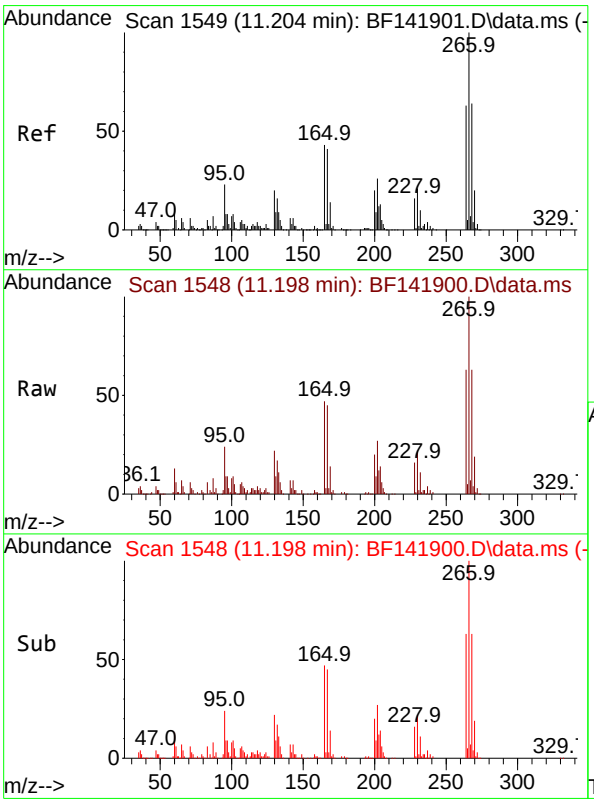
#69
Atrazine
Concen: 24.481 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 159306

Ion	Ratio	Lower	Upper
200	100		
173	24.6	4.7	44.7
215	44.5	25.4	65.4

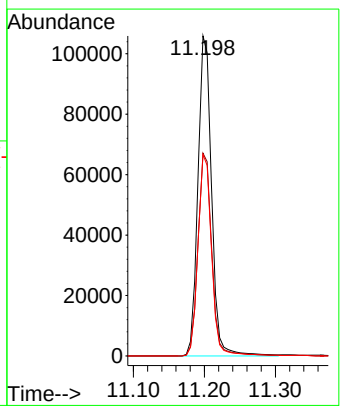


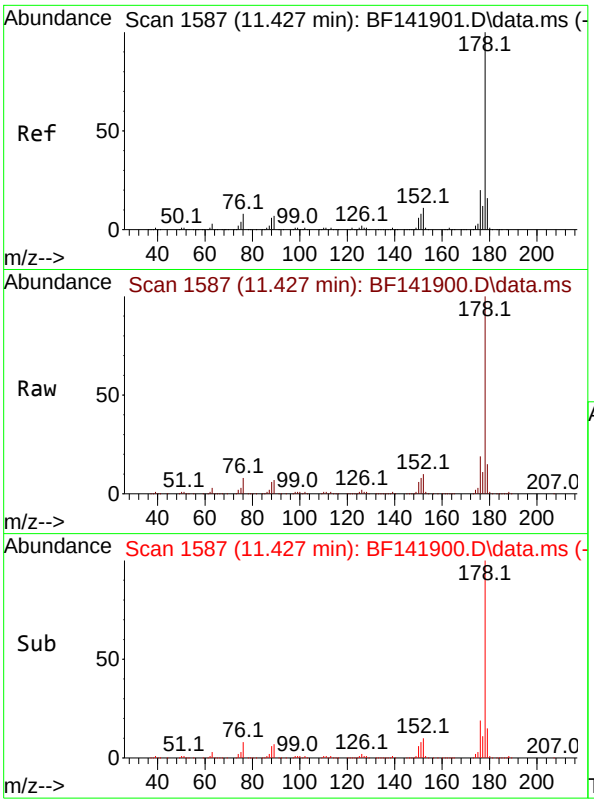


#70
Pentachlorophenol
Concen: 20.227 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:266 Resp: 141842

Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.0	76.6
264	62.9	50.2	75.2



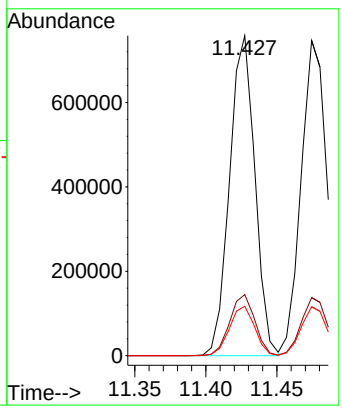


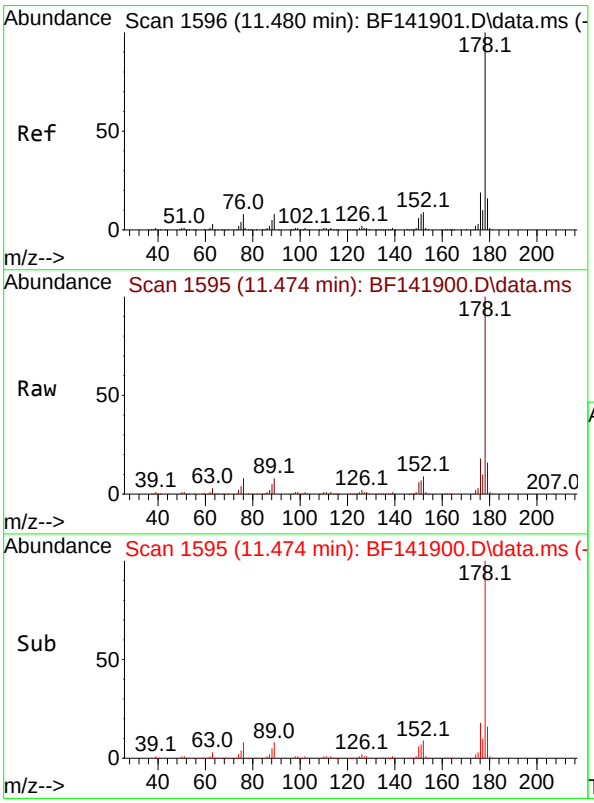
#71
Phenanthrene
Concen: 21.038 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 939782

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.5	12.6	19.0

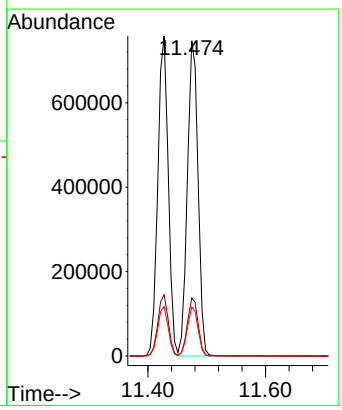


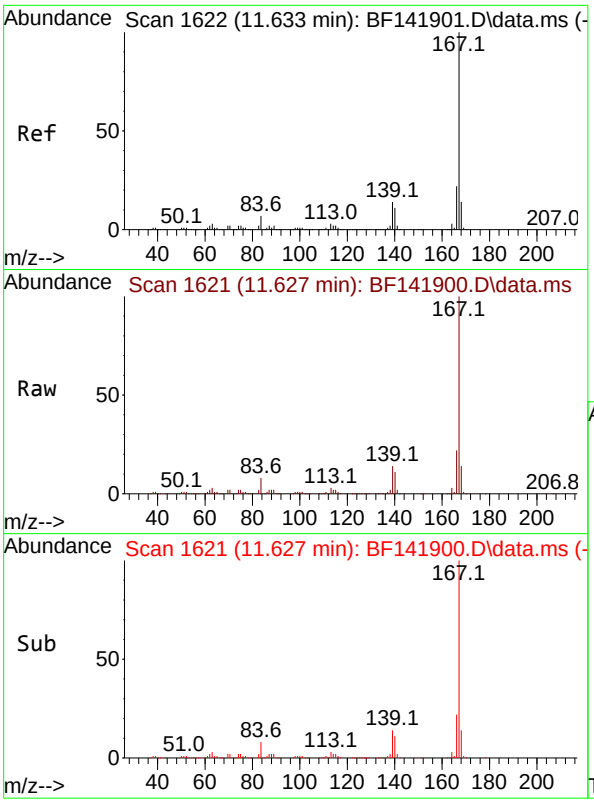


#72
Anthracene
Concen: 20.993 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:178 Resp: 940875

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.1	22.7
179	15.5	12.6	19.0



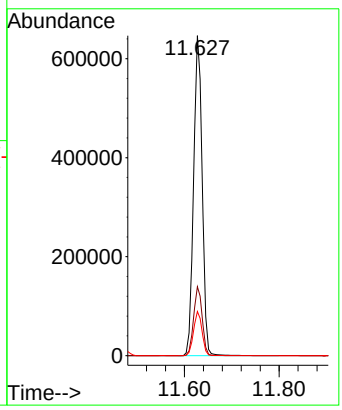


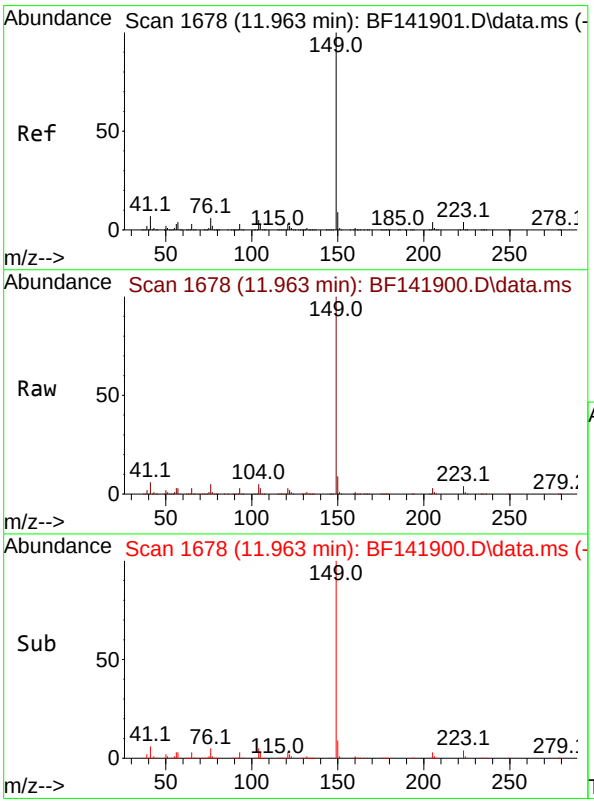
#73
Carbazole
Concen: 21.096 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 813998

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.4	26.2
139	13.8	11.0	16.6

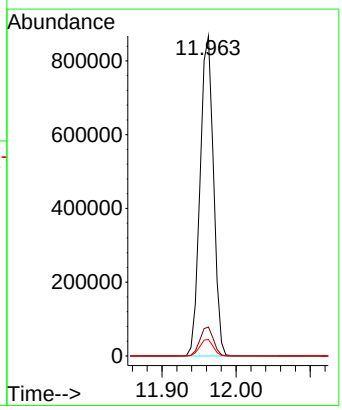


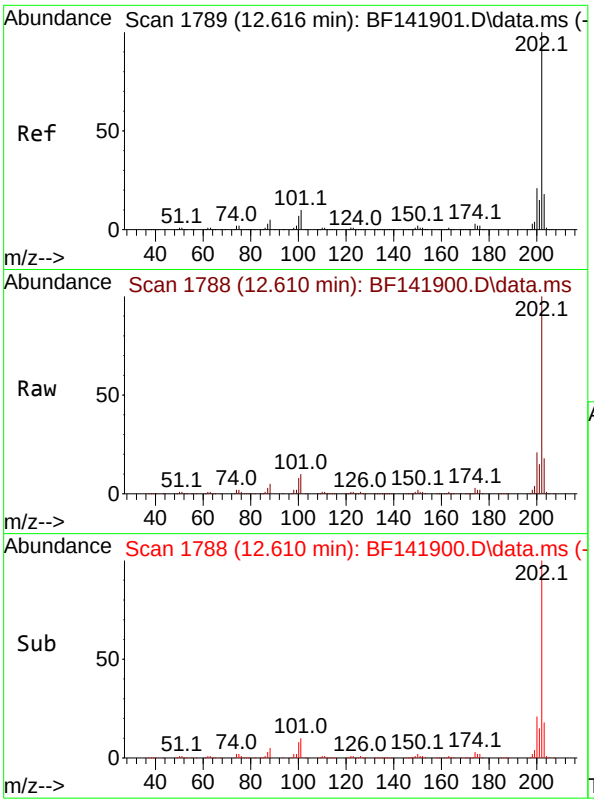


#74
Di-n-butylphthalate
Concen: 21.382 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 1089304

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.6	11.4
104	5.2	4.4	6.6



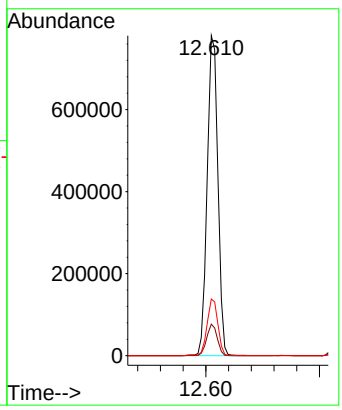


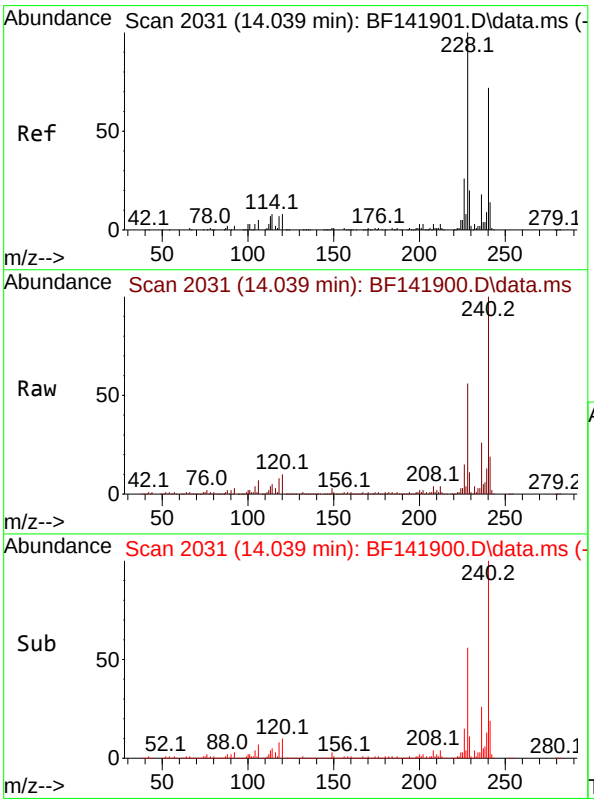
#75
Fluoranthene
Concen: 21.632 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1014464

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.7
203	17.7	0.0	37.8

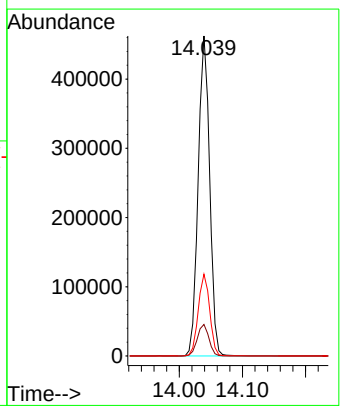


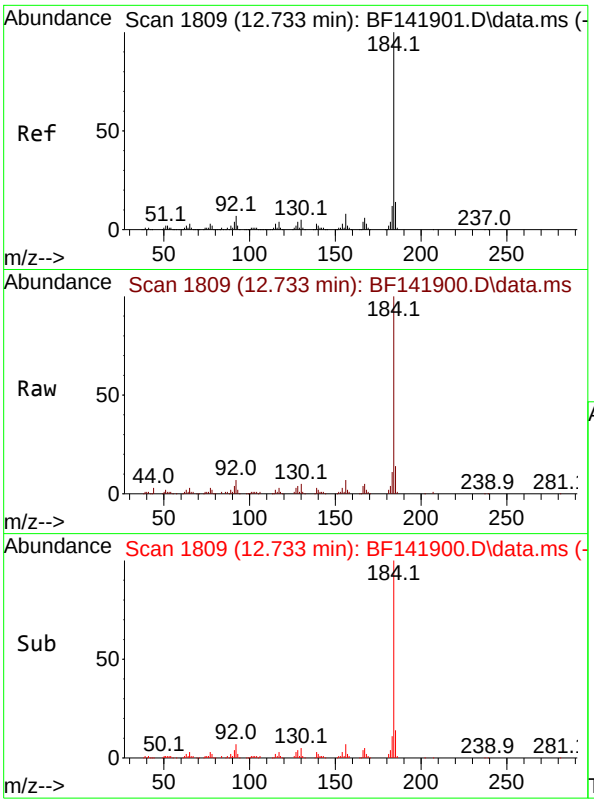


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:240 Resp: 581591

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.4	12.6
236	25.6	20.5	30.7



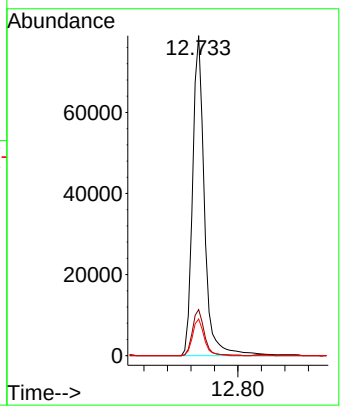


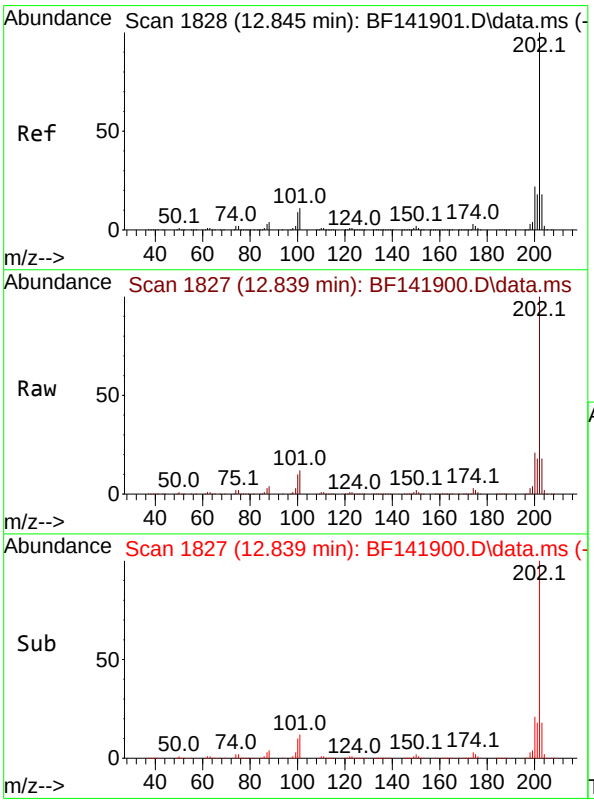
#77
Benzidine
Concen: 13.463 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 110648

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.5	9.7	14.5

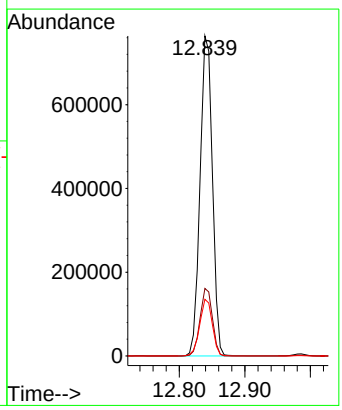


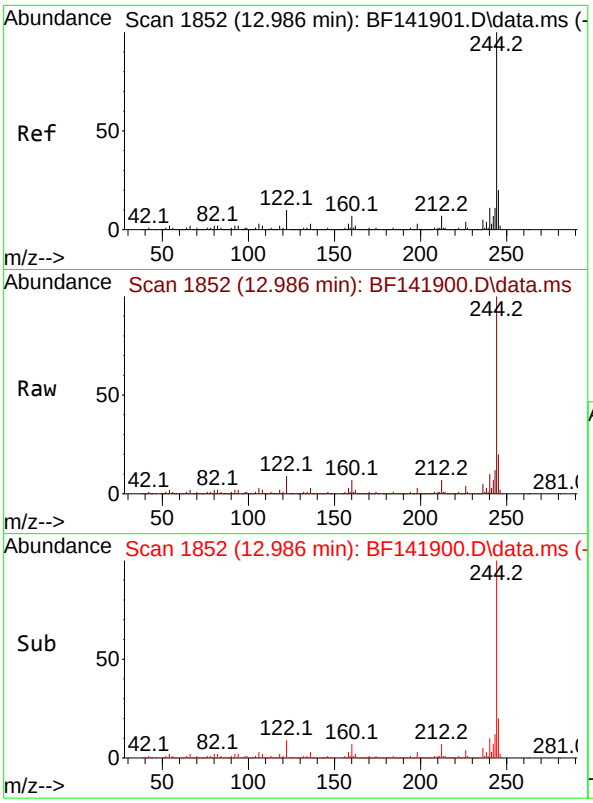


#78
Pyrene
Concen: 20.133 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:202 Resp: 1004157

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9
203	17.7	14.4	21.6



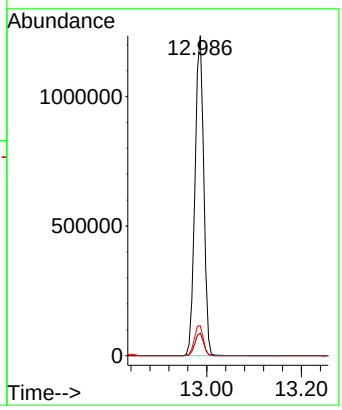


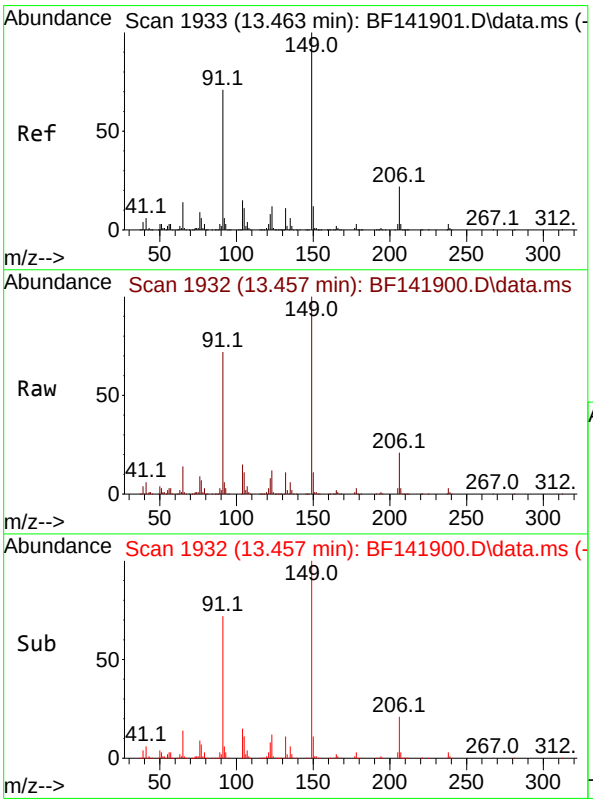
#79
Terphenyl-d14
Concen: 40.218 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 1582373

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	9.4	7.7	11.5

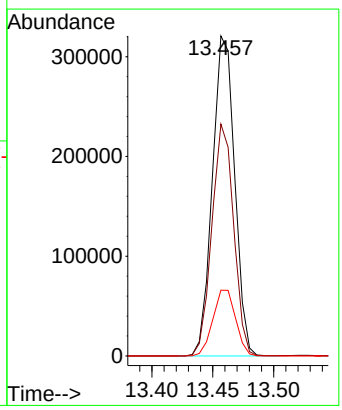


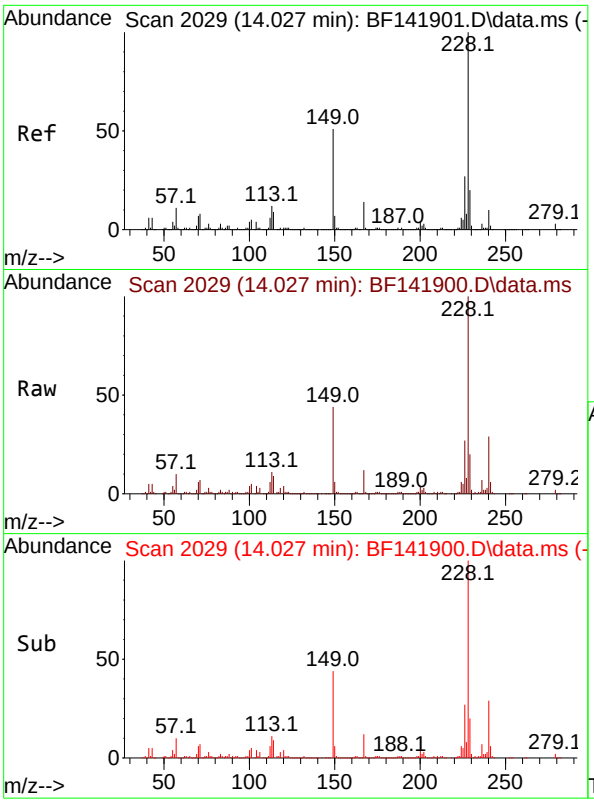


#80
Butylbenzylphthalate
Concen: 20.761 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 408044

Ion	Ratio	Lower	Upper
149	100		
91	72.5	56.5	84.7
206	20.5	17.3	25.9



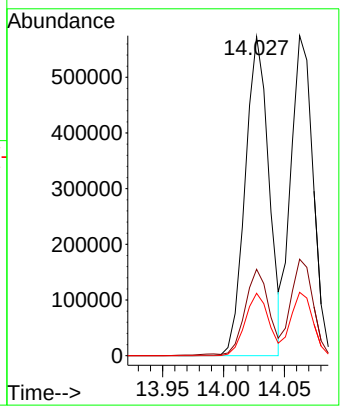


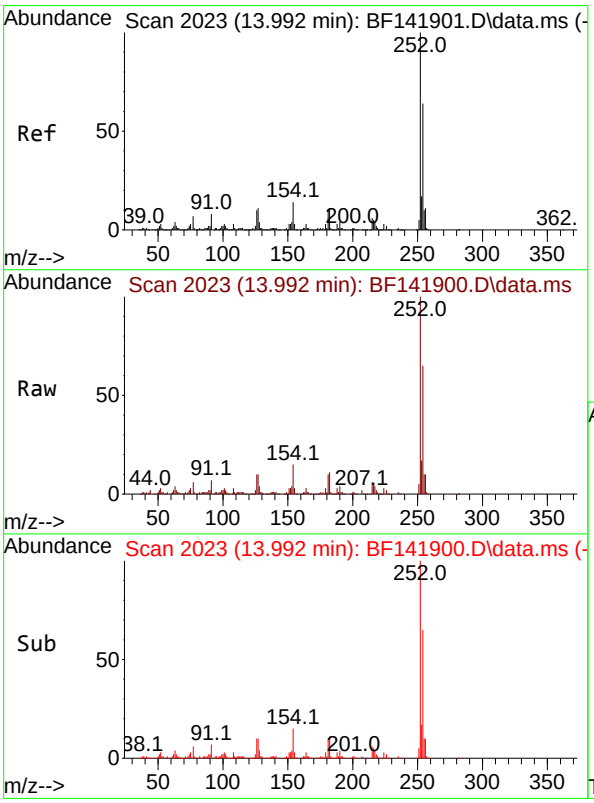
#81
Benzo(a)anthracene
Concen: 20.285 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 776120

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.6	16.0	24.0

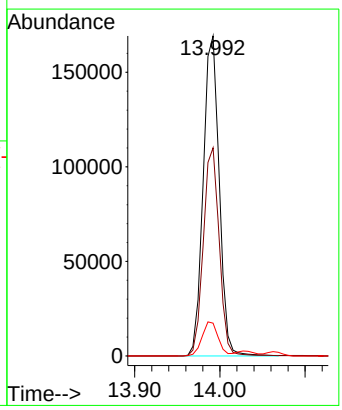


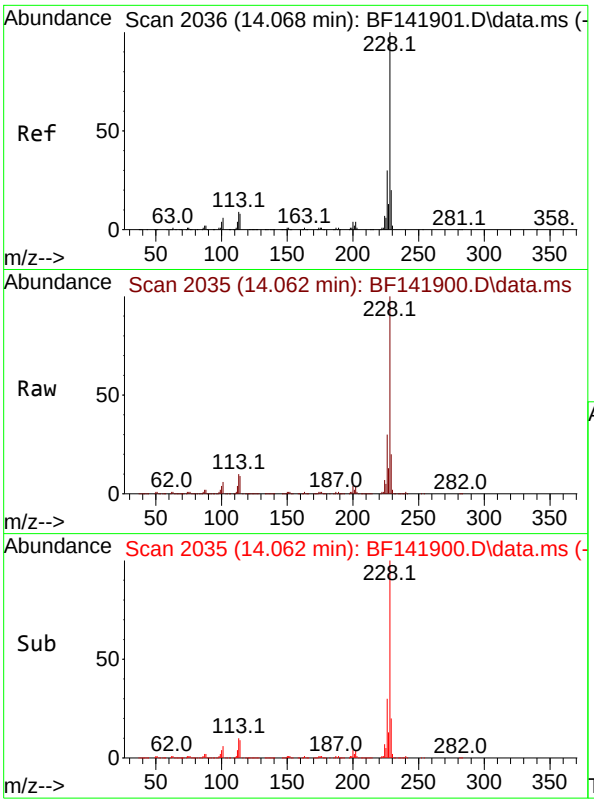


#82
3,3'-Dichlorobenzidine
Concen: 19.999 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:252 Resp: 221168

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.0	76.6
126	10.2	8.4	12.6



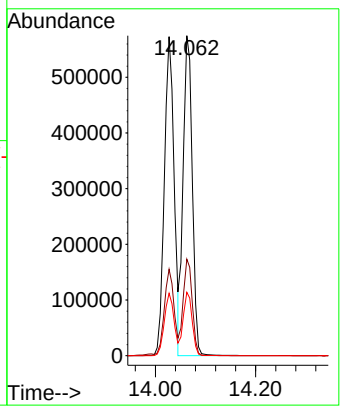


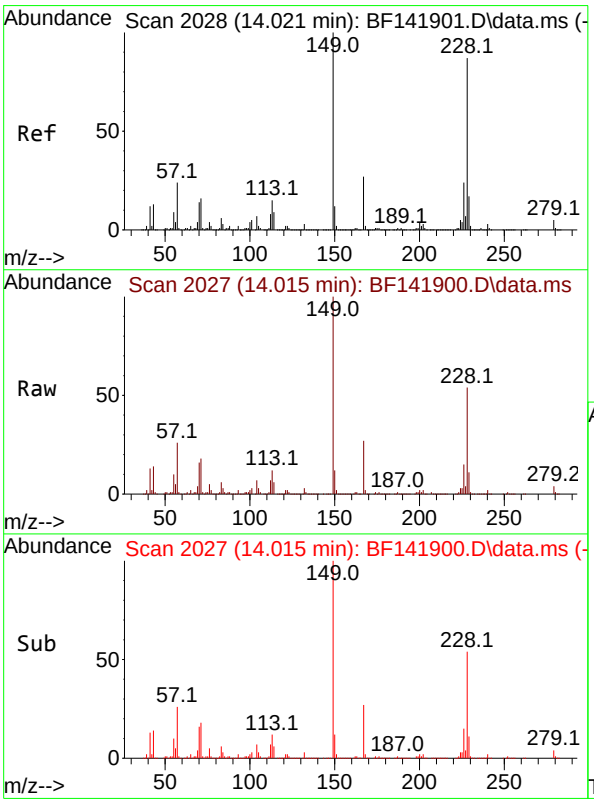
#83
Chrysene
Concen: 21.325 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 732966

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.8	15.7	23.5

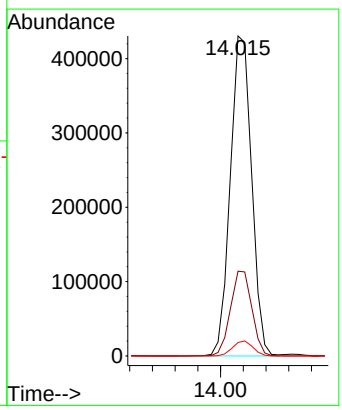


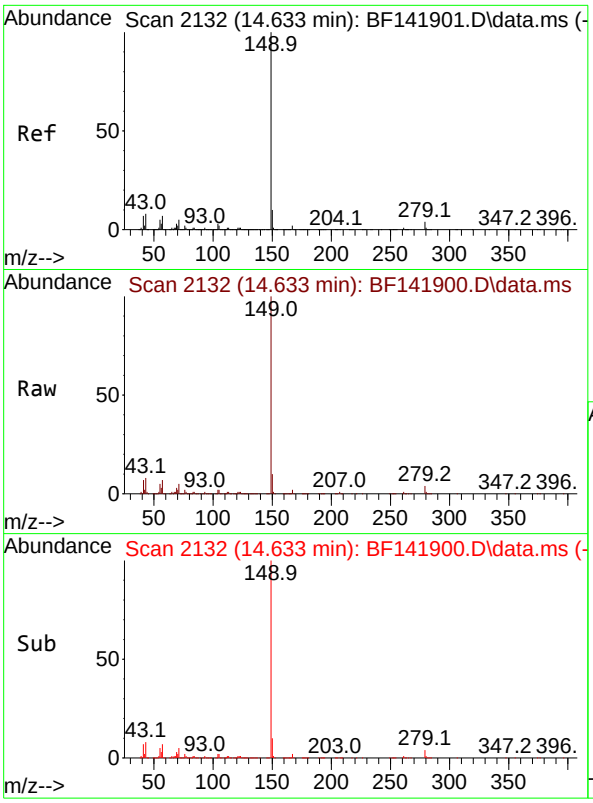


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.845 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 562062

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.4	32.0
279	4.2	3.8	5.6



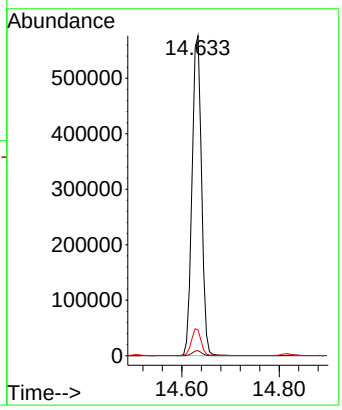


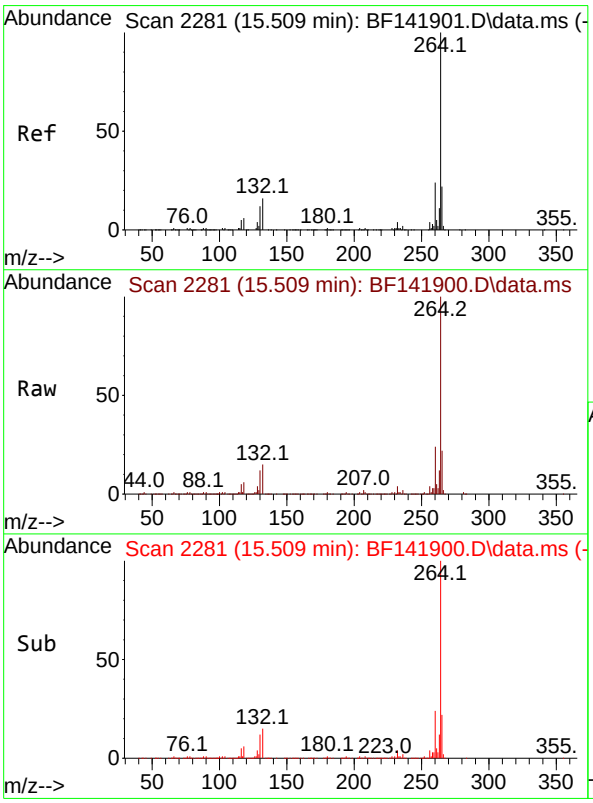
#85
Di-n-octyl phthalate
Concen: 20.740 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 778373

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.5	6.9	10.3

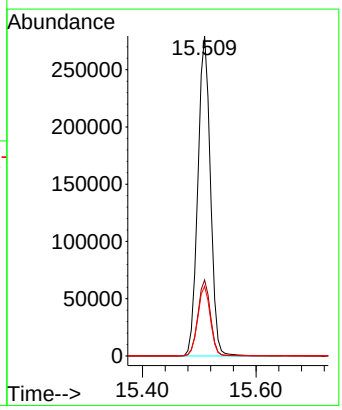


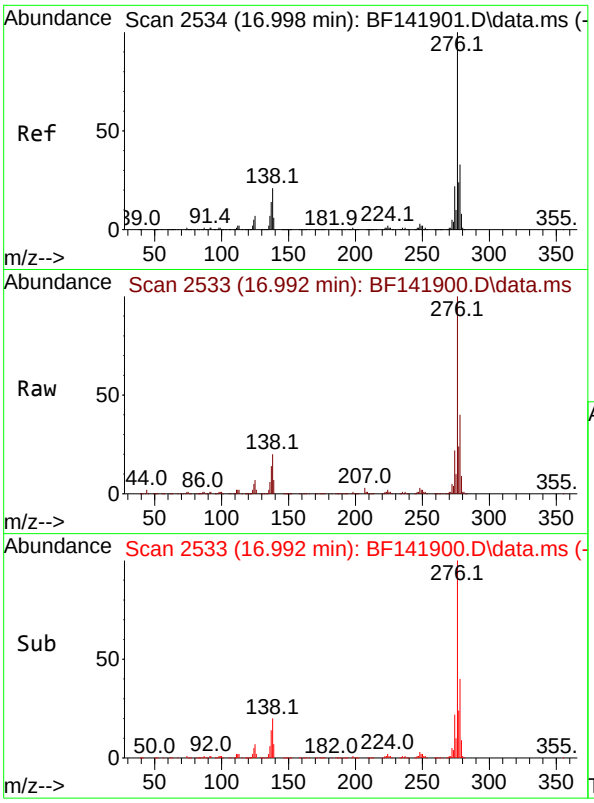


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:264 Resp: 428960

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.7	17.5	26.3



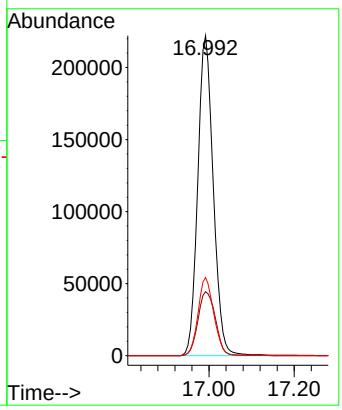


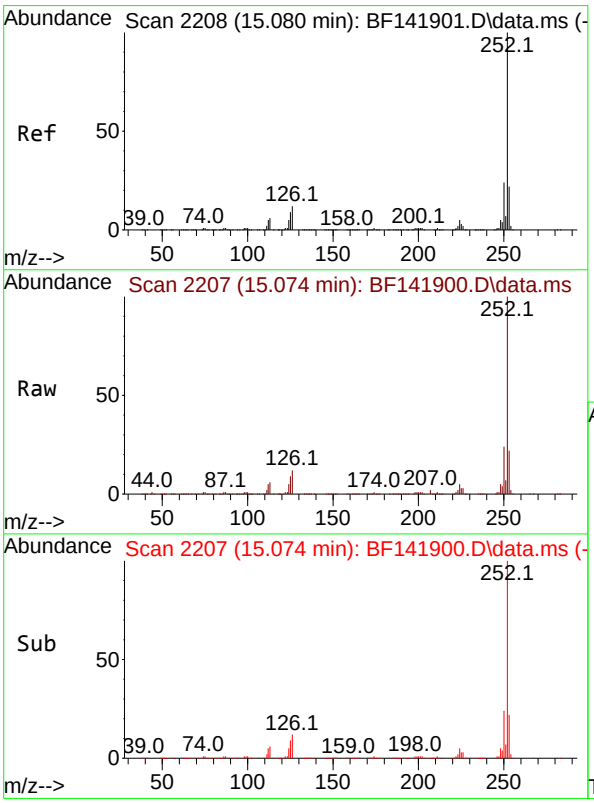
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.163 ng
RT: 16.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 560913

Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.4	27.6
277	24.9	20.3	30.5

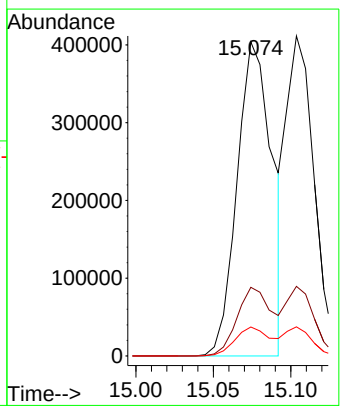


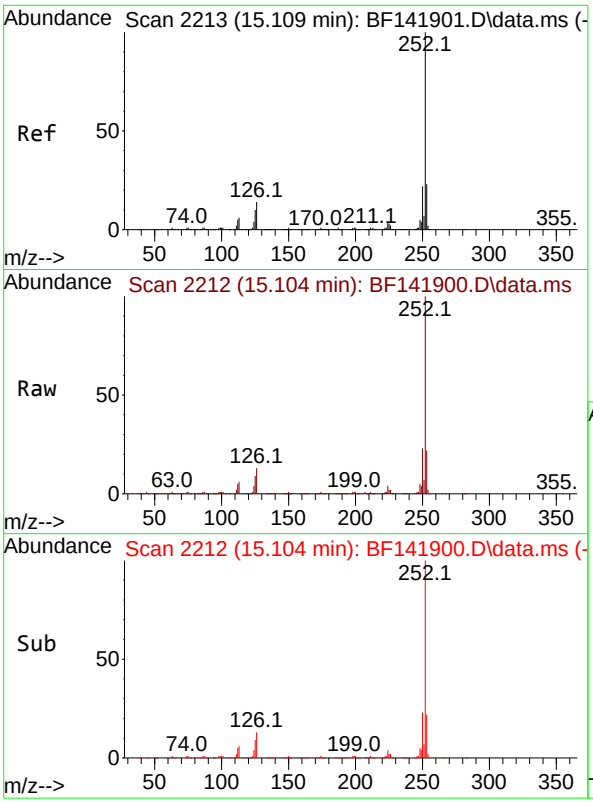


#88
Benzo(b)fluoranthene
Concen: 21.886 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:252 Resp: 636808

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.2	7.0	10.4



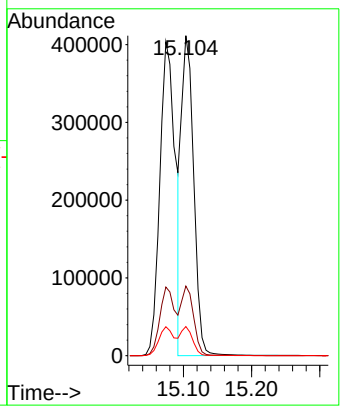


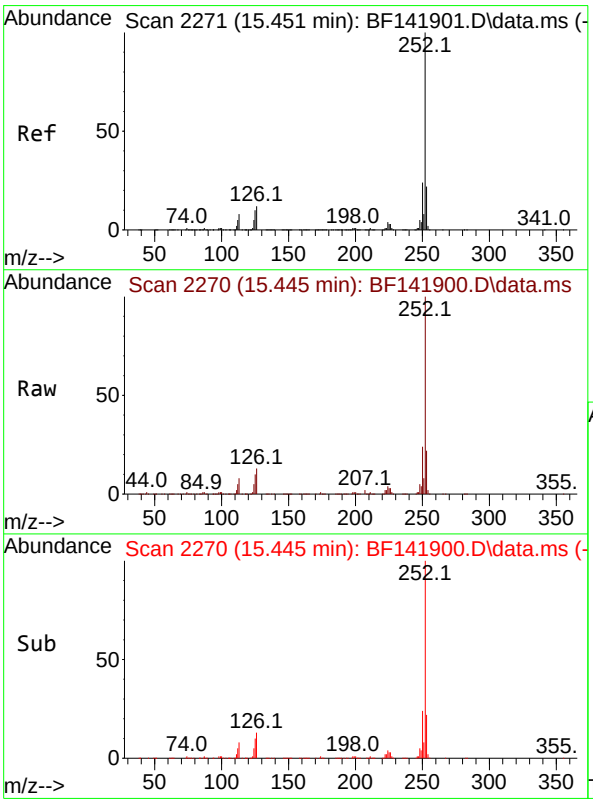
#89
Benzo(k)fluoranthene
Concen: 20.196 ng
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 513311

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.1	7.2	10.8

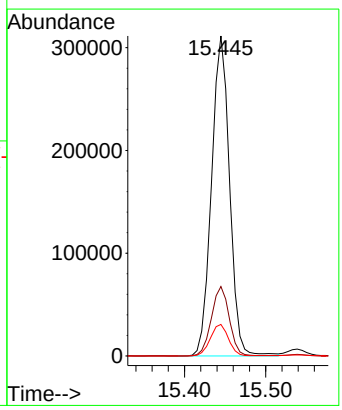


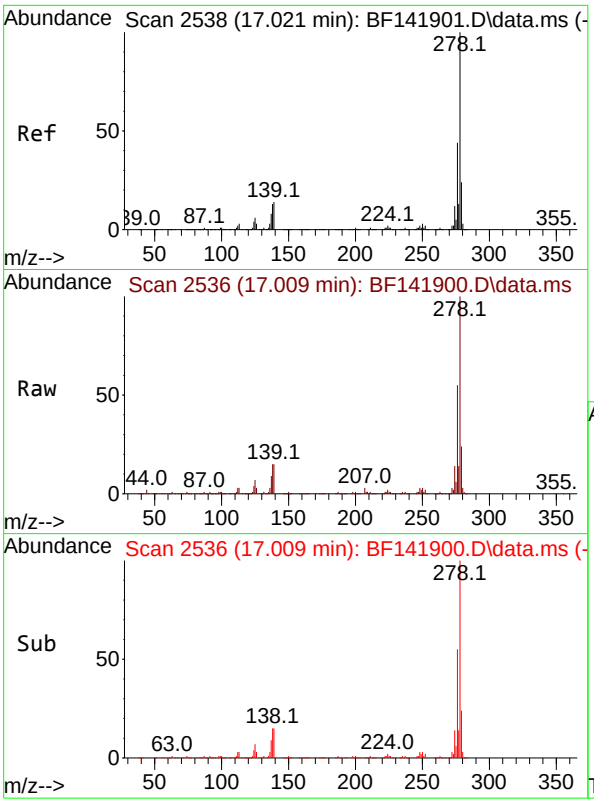


#90
Benzo(a)pyrene
Concen: 20.991 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:252 Resp: 481683

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	9.8	7.8	11.8



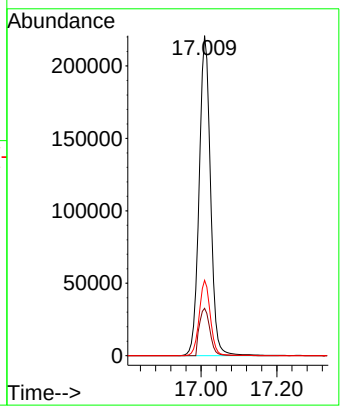


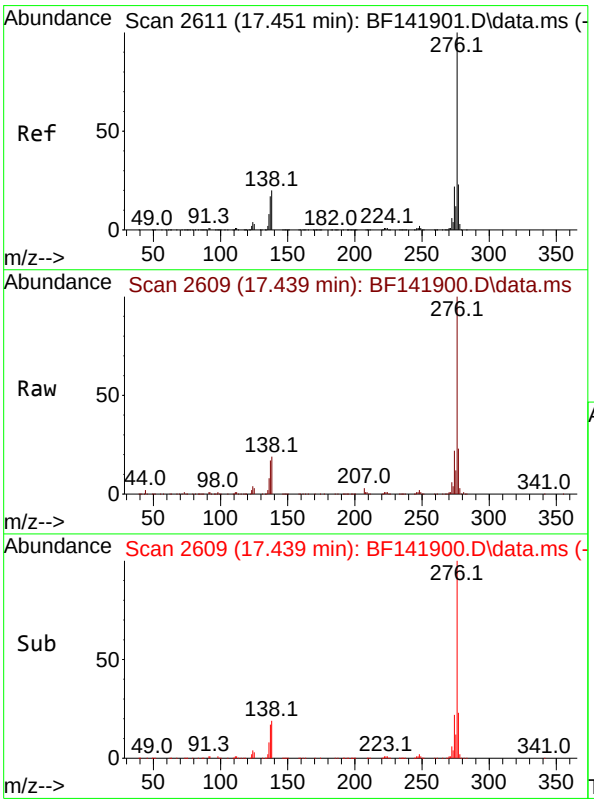
#91
Dibenzo(a,h)anthracene
Concen: 20.046 ng
RT: 17.009 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 460109

Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.4	17.2
279	23.6	18.8	28.2

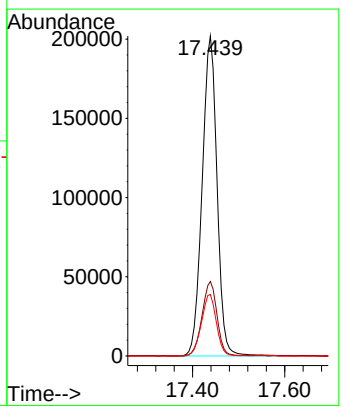




#92
Benzo(g,h,i)perylene
Concen: 19.987 ng
RT: 17.439 min Scan# 2609
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:276 Resp: 455034

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	19.2	15.8	23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	222904	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	874166	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	493744	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	839154	20.000	ng	0.00
76) Chrysene-d12	14.039	240	569865	20.000	ng	0.00
86) Perylene-d12	15.509	264	469286	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	1023722	76.628	ng	0.00
7) Phenol-d6	6.504	99	1285980	75.580	ng	0.00
23) Nitrobenzene-d5	7.445	82	1216280	77.983	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	493945	78.949	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2475837	76.357	ng	0.00
79) Terphenyl-d14	12.986	244	2908357	75.440	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	224795	40.148	ng	100
3) Pyridine	3.440	79	544434	39.565	ng	100
4) n-Nitrosodimethylamine	3.393	42	259739	39.710	ng	100
6) Aniline	6.545	93	653060	38.879	ng	100
8) 2-Chlorophenol	6.669	128	561230	37.902	ng	100
9) Benzaldehyde	6.434	77	346818	36.467	ng	100
10) Phenol	6.522	94	684724	38.141	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	510214	37.932	ng	100
12) 1,3-Dichlorobenzene	6.822	146	611938	38.242	ng	100
13) 1,4-Dichlorobenzene	6.898	146	620951	38.355	ng	100
14) 1,2-Dichlorobenzene	7.051	146	581043	38.111	ng	100
15) Benzyl Alcohol	7.022	79	528444	38.371	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	607522	37.476	ng	100
17) 2-Methylphenol	7.128	107	449433	38.190	ng	100
18) Hexachloroethane	7.392	117	230613	37.993	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	407069	37.223	ng	100
20) 3+4-Methylphenols	7.281	107	576902	38.219	ng	100
22) Acetophenone	7.292	105	804747	38.376	ng	100
24) Nitrobenzene	7.463	77	604738	39.106	ng	100
25) Isophorone	7.704	82	1049049	38.097	ng	100
26) 2-Nitrophenol	7.781	139	305349	40.295	ng	100
27) 2,4-Dimethylphenol	7.810	122	403621	38.671	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	650344	37.702	ng	100
29) 2,4-Dichlorophenol	8.016	162	500239	38.619	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	541182	37.870	ng	100
31) Naphthalene	8.186	128	1719643	38.400	ng	100
32) Benzoic acid	7.928	122	363328	39.827	ng	100
33) 4-Chloroaniline	8.228	127	613535	38.824	ng	100
34) Hexachlorobutadiene	8.304	225	355740	38.285	ng	100
35) Caprolactam	8.604	113	147056	37.335	ng	100
36) 4-Chloro-3-methylphenol	8.704	107	555328	38.549	ng	100
37) 2-Methylnaphthalene	8.875	142	1141228	37.983	ng	100
38) 1-Methylnaphthalene	8.975	142	1089576	37.447	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	584322	38.814	ng	100
41) Hexachlorocyclopentadiene	9.028	237	246666	41.523	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	392696	40.014	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

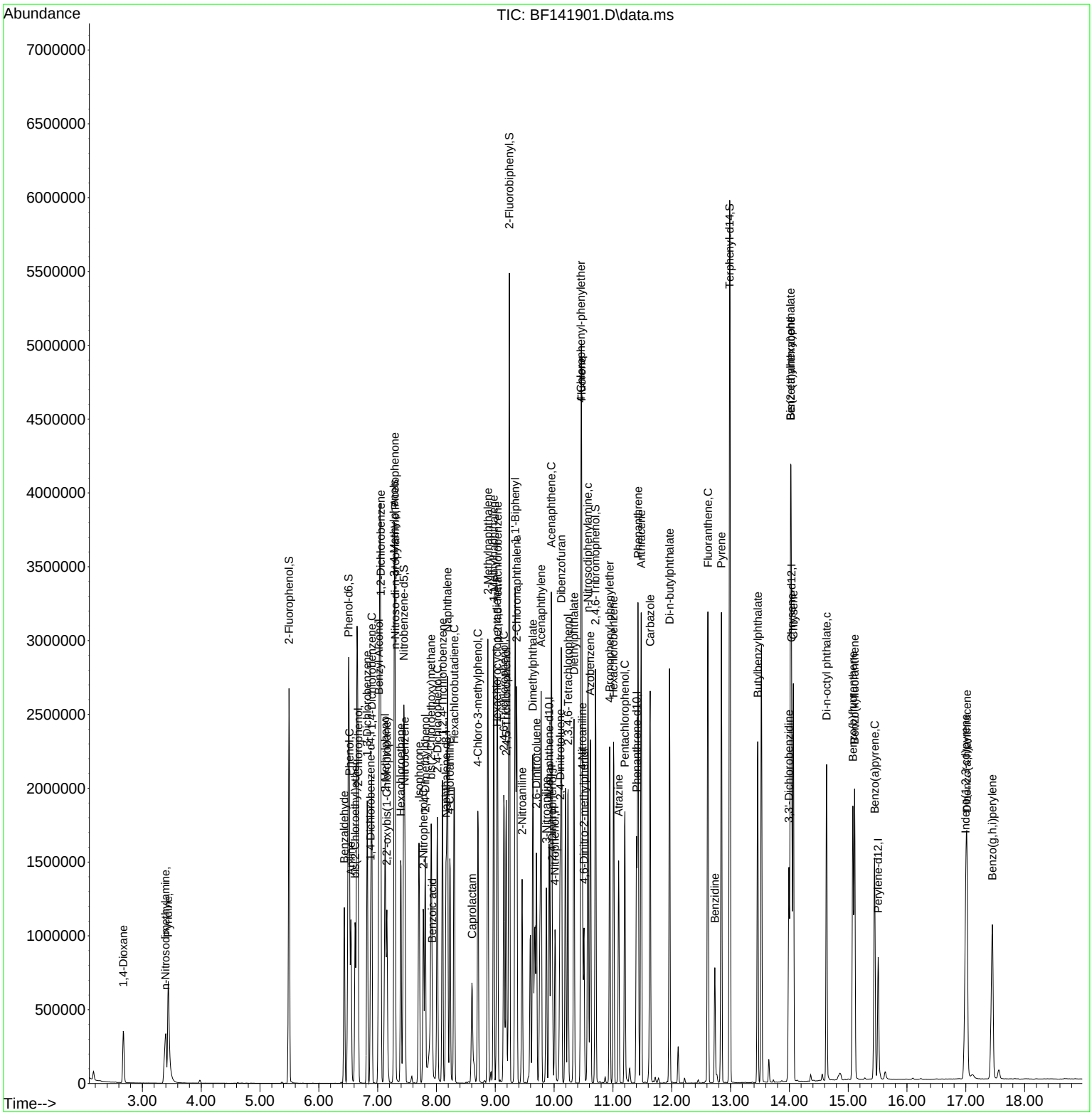
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	384539	38.566	ng	100
46) 1,1'-Biphenyl	9.339	154	1436040	38.362	ng	100
47) 2-Chloronaphthalene	9.363	162	1077099	38.609	ng	100
48) 2-Nitroaniline	9.457	65	318068	39.690	ng	100
49) Acenaphthylene	9.780	152	1614250	39.029	ng	100
50) Dimethylphthalate	9.639	163	1312856	38.270	ng	100
51) 2,6-Dinitrotoluene	9.698	165	281695	39.486	ng	100
52) Acenaphthene	9.951	154	1132087	38.764	ng	100
53) 3-Nitroaniline	9.869	138	289208	39.481	ng	100
54) 2,4-Dinitrophenol	9.969	184	140024	38.116	ng	100
55) Dibenzofuran	10.122	168	1593454	38.266	ng	100
56) 4-Nitrophenol	10.016	139	227070	41.266	ng	100
57) 2,4-Dinitrotoluene	10.104	165	370337	39.437	ng	100
58) Fluorene	10.469	166	1213316	37.742	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	354863	39.225	ng	100
60) Diethylphthalate	10.339	149	1319116	38.304	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	635445	37.950	ng	100
62) 4-Nitroaniline	10.480	138	284615	40.097	ng	100
63) Azobenzene	10.616	77	1229473	38.432	ng	100
65) 4,6-Dinitro-2-methylph...	10.510	198	203106	40.827	ng	100
66) n-Nitrosodiphenylamine	10.574	169	1041349	38.415	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	409602	39.195	ng	100
68) Hexachlorobenzene	11.010	284	452189	39.146	ng	100
69) Atrazine	11.098	200	275084	41.614	ng	100
70) Pentachlorophenol	11.204	266	297893	41.818	ng	100
71) Phenanthrene	11.427	178	1741309	38.373	ng	100
72) Anthracene	11.480	178	1756035	38.571	ng	100
73) Carbazole	11.633	167	1524663	38.898	ng	100
74) Di-n-butylphthalate	11.963	149	1975625	38.175	ng	100
75) Fluoranthene	12.616	202	1860202	39.049	ng	100
77) Benzidine	12.733	184	410026	50.915	ng	100
78) Pyrene	12.845	202	1835917	37.567	ng	100
80) Butylbenzylphthalate	13.463	149	746613	38.769	ng	100
81) Benzo(a)anthracene	14.027	228	1451332	38.713	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	423835	39.114	ng	100
83) Chrysene	14.068	228	1294538	38.439	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1029987	38.985	ng	100
85) Di-n-octyl phthalate	14.633	149	1441248	39.193	ng	100
87) Indeno(1,2,3-cd)pyrene	16.998	276	1207616	39.681	ng	100
88) Benzo(b)fluoranthene	15.080	252	1135547	35.673	ng	100
89) Benzo(k)fluoranthene	15.109	252	1130615	40.661	ng	100
90) Benzo(a)pyrene	15.451	252	972220	38.727	ng	100
91) Dibenzo(a,h)anthracene	17.021	278	1002747	39.933	ng	100
92) Benzo(g,h,i)perylene	17.451	276	999947	40.149	ng	100

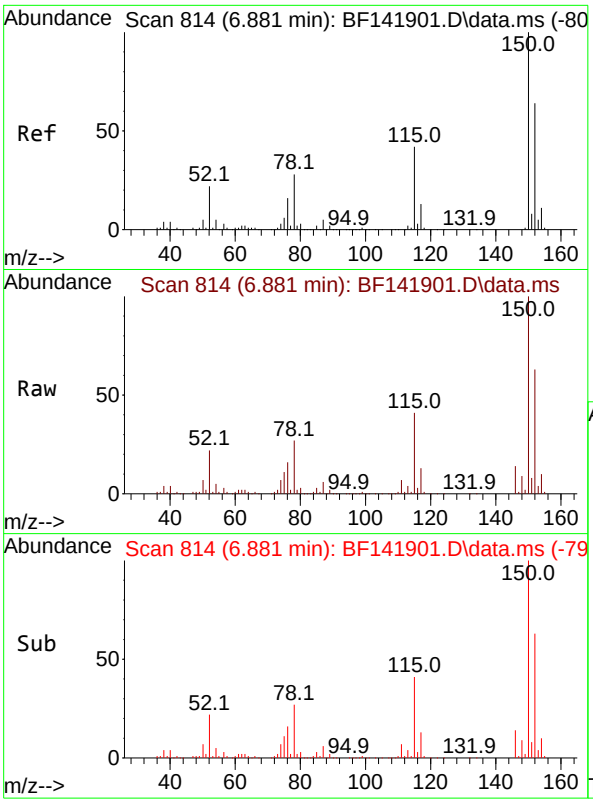
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



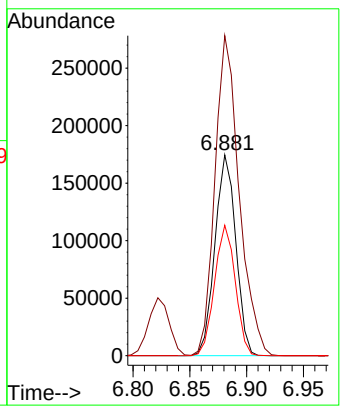


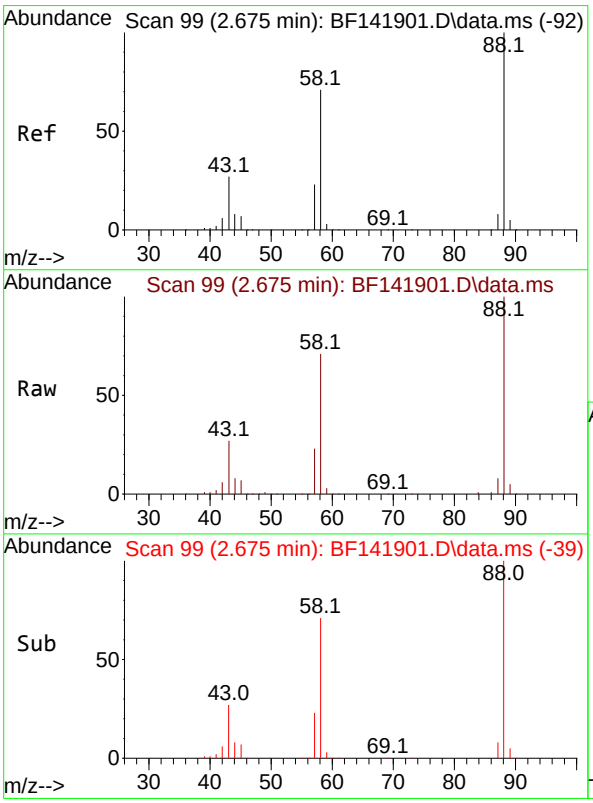
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 222904

Ion	Ratio	Lower	Upper
152	100		
150	159.3	127.4	191.2
115	64.9	51.9	77.9

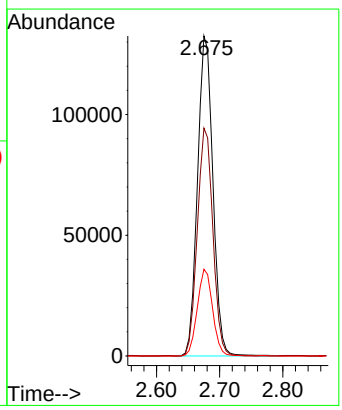


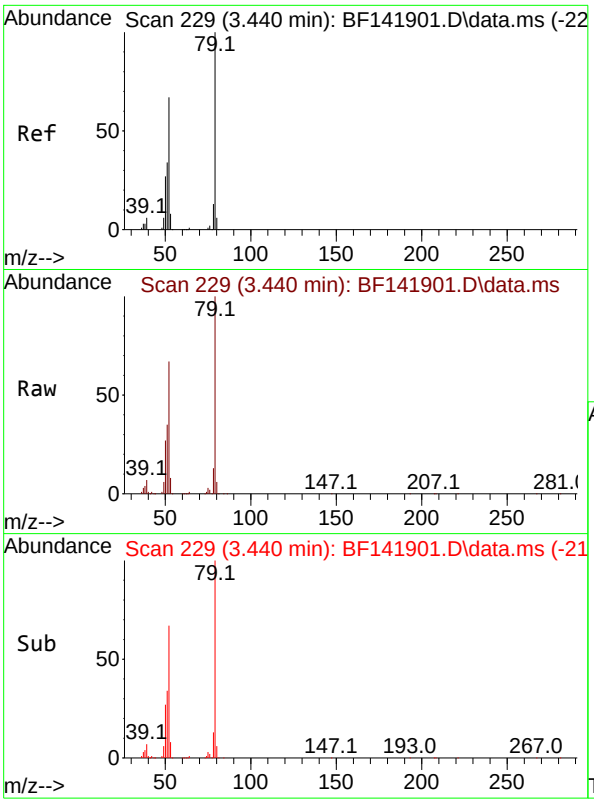


#2
1,4-Dioxane
Concen: 40.148 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 88 Resp: 224795

Ion	Ratio	Lower	Upper
88	100		
58	71.8	57.4	86.2
43	26.9	21.5	32.3



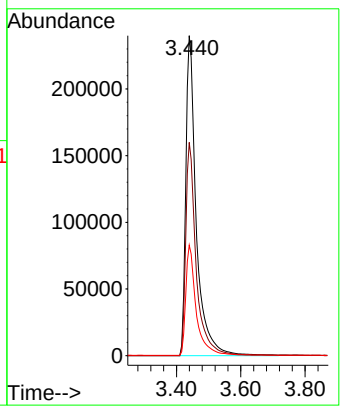


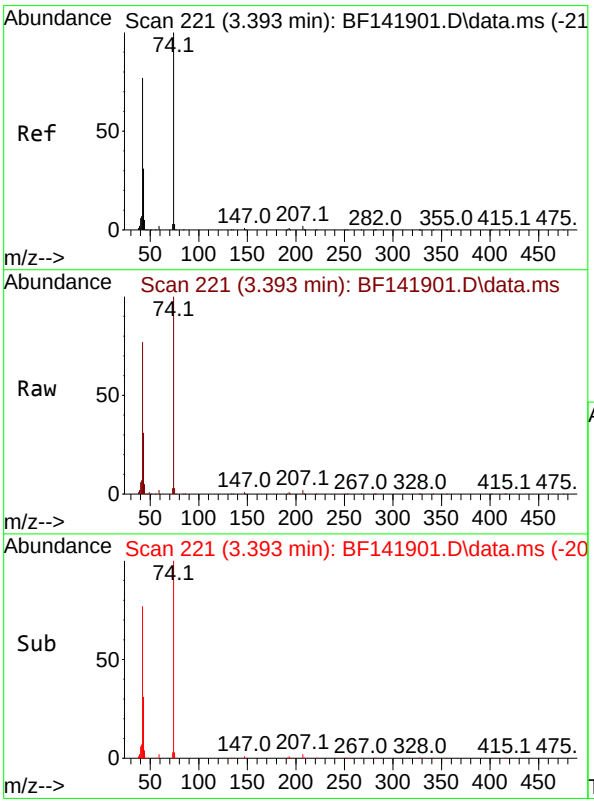
#3
Pyridine
Concen: 39.565 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 544434

Ion	Ratio	Lower	Upper
79	100		
52	66.6	53.3	79.9
51	34.5	27.6	41.4

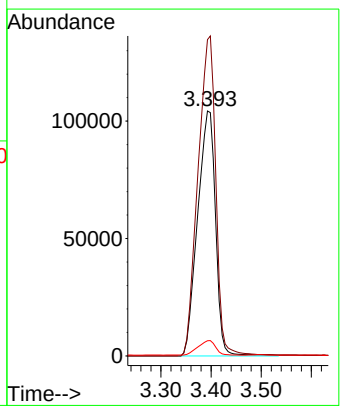


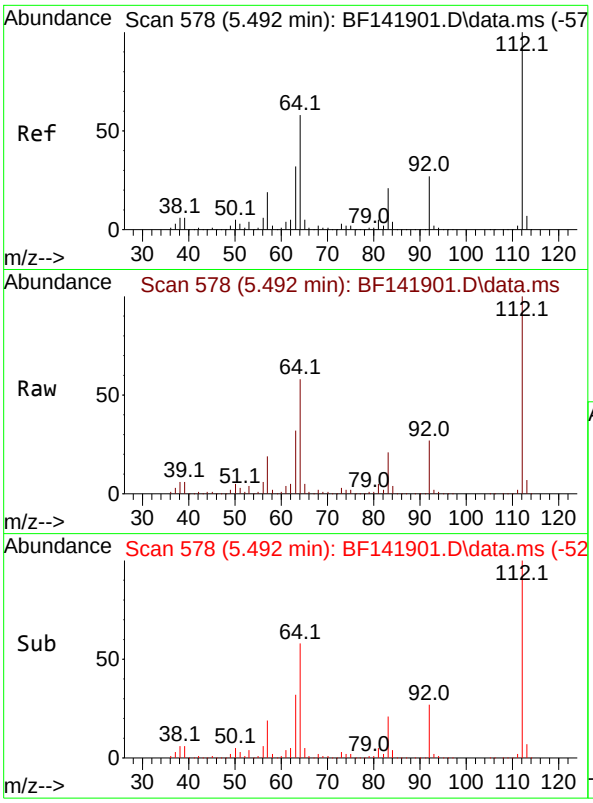


#4
n-Nitrosodimethylamine
Concen: 39.710 ng
RT: 3.393 min Scan# 221
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 42 Resp: 259739

Ion	Ratio	Lower	Upper
42	100		
74	129.2	103.4	155.0
44	6.2	5.0	7.4



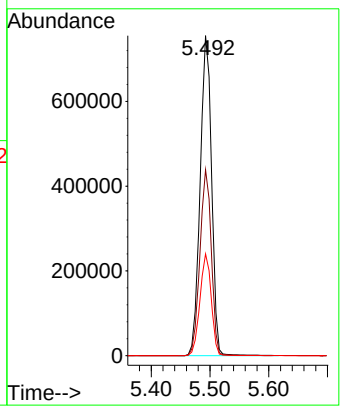


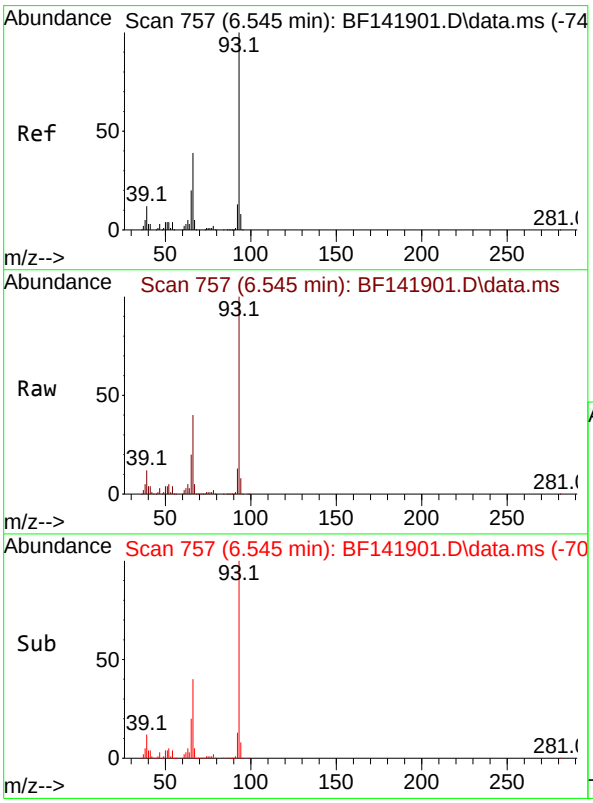
#5
2-Fluorophenol
Concen: 76.628 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1023722

Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.5	69.7
63	31.8	25.4	38.2

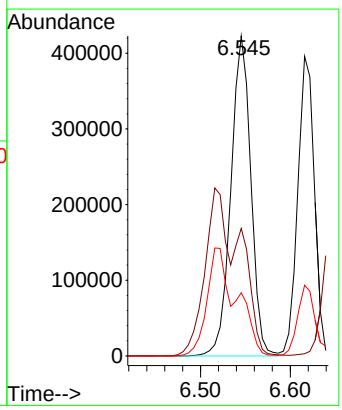


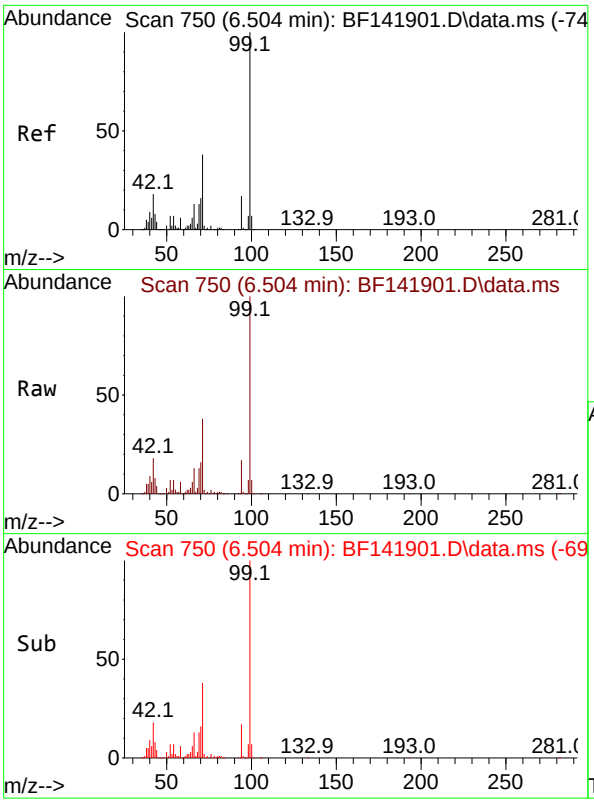


#6
Aniline
Concen: 38.879 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 93 Resp: 653060

Ion	Ratio	Lower	Upper
93	100		
66	39.9	31.9	47.9
65	19.7	15.8	23.6



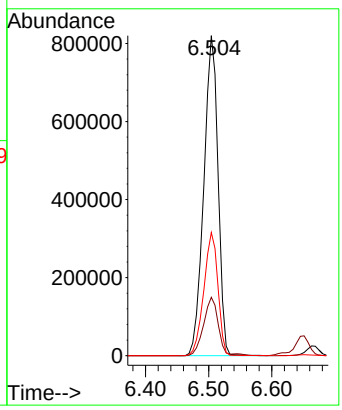


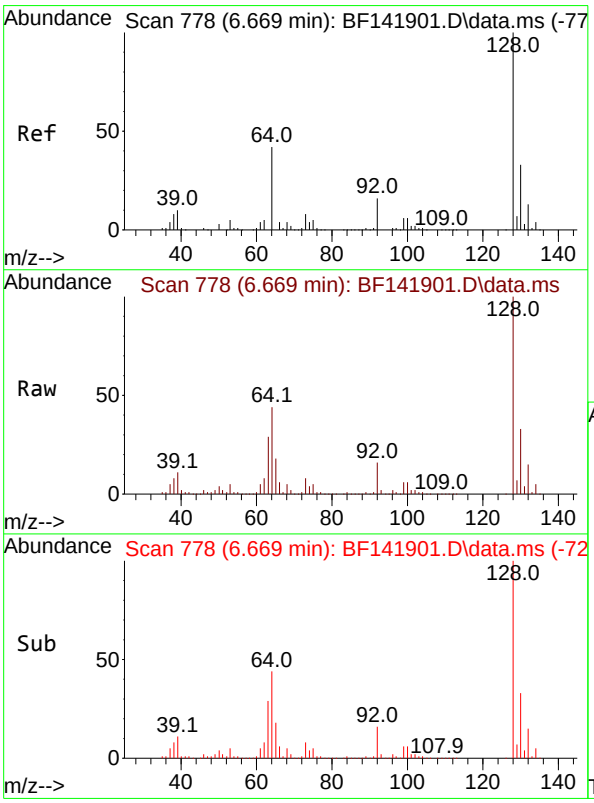
#7
Phenol-d6
Concen: 75.580 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1285980

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.6	21.8
71	38.5	30.8	46.2

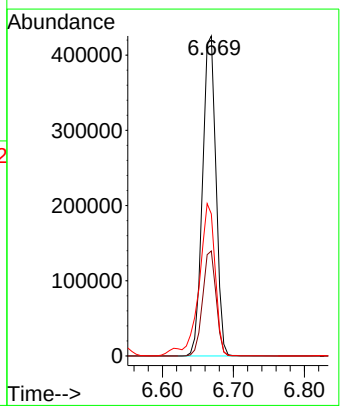


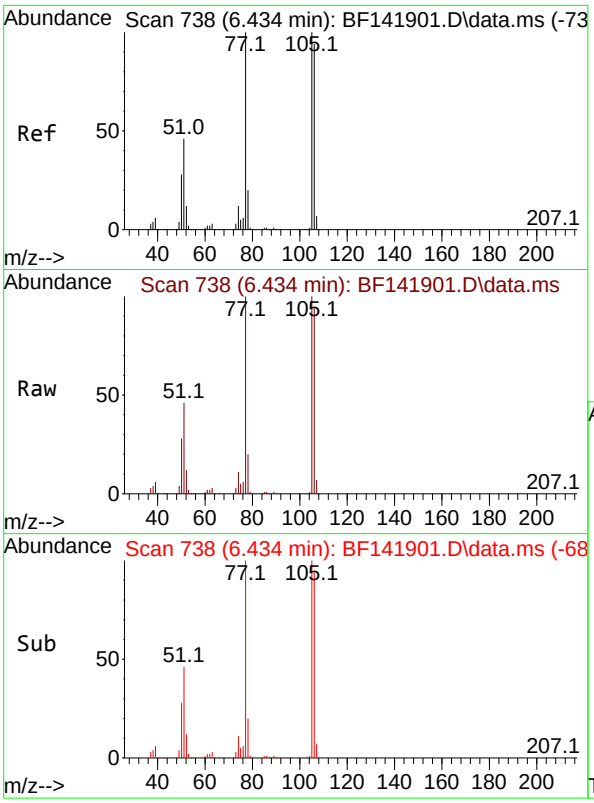


#8
2-Chlorophenol
Concen: 37.902 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:128 Resp: 561230

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.8	52.8
64	44.4	24.4	64.4



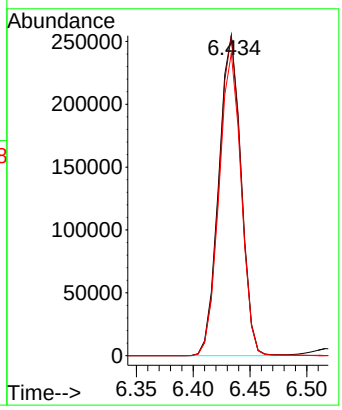


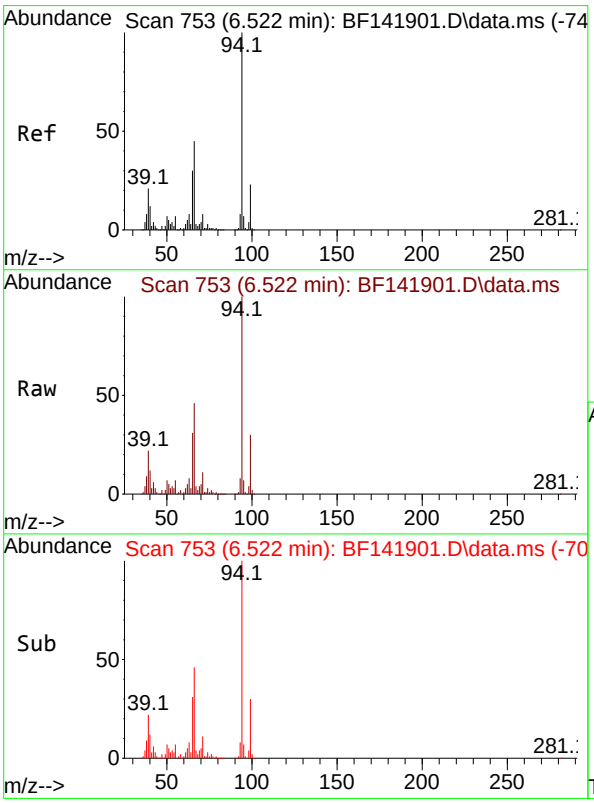
#9
Benzaldehyde
Concen: 36.467 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 346818

Ion	Ratio	Lower	Upper
77	100		
105	100.0	80.0	120.0
106	94.5	74.5	114.5

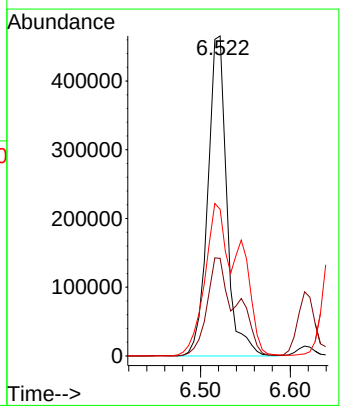


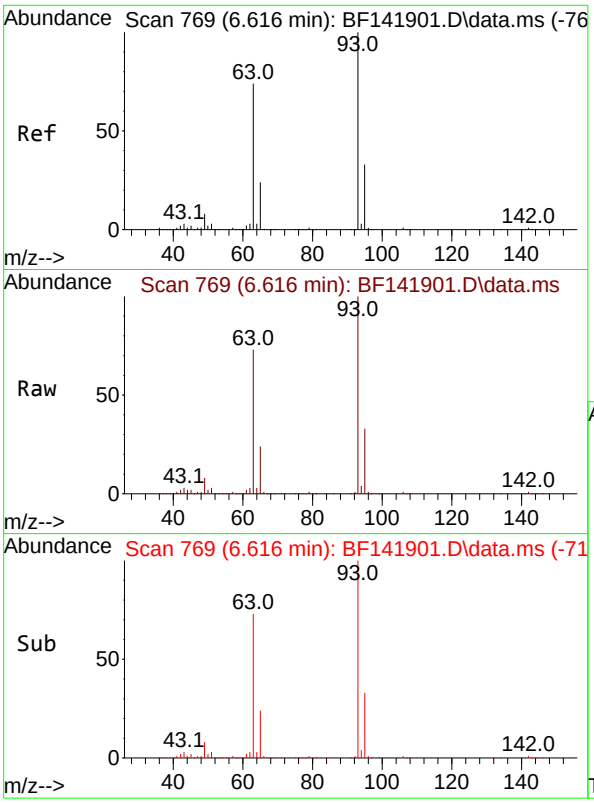


#10
Phenol
Concen: 38.141 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 94 Resp: 684724

Ion	Ratio	Lower	Upper
94	100		
65	30.5	10.5	50.5
66	45.8	25.8	65.8



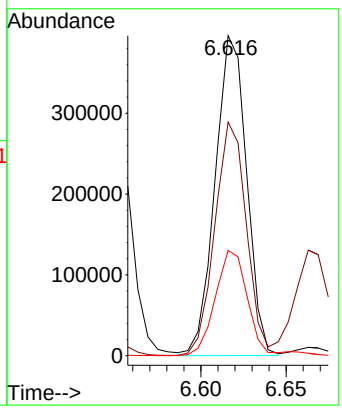


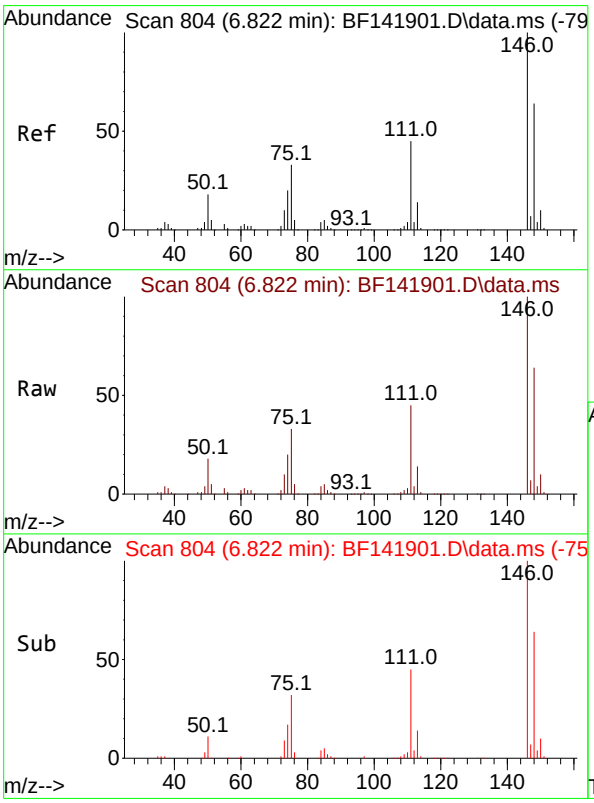
#11
bis(2-Chloroethyl)ether
Concen: 37.932 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 510214

Ion	Ratio	Lower	Upper
93	100		
63	73.0	53.0	93.0
95	32.9	12.9	52.9

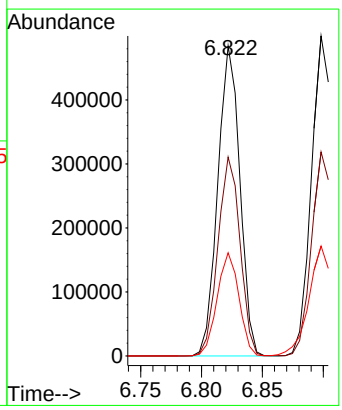


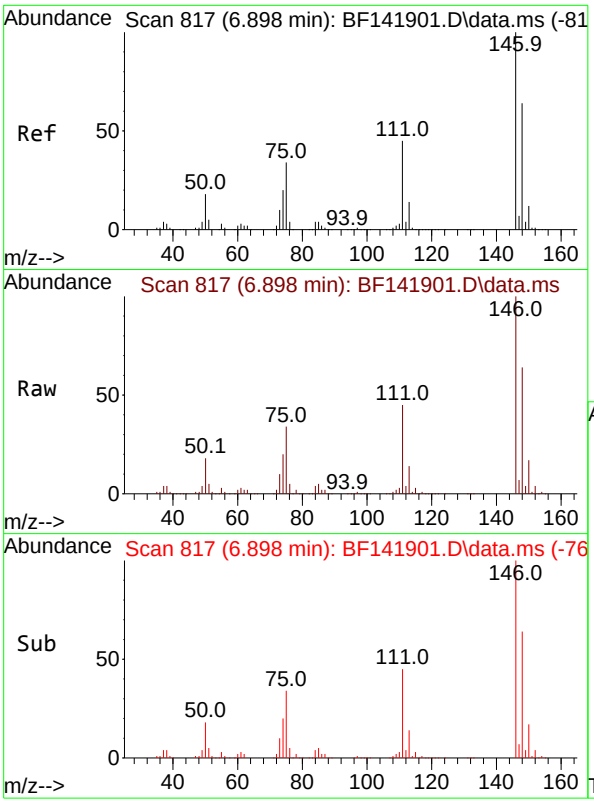


#12
1,3-Dichlorobenzene
Concen: 38.242 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:146 Resp: 611938

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
75	33.3	26.6	40.0



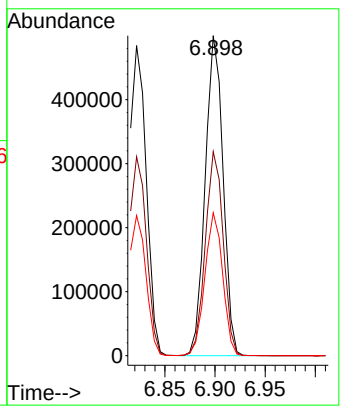


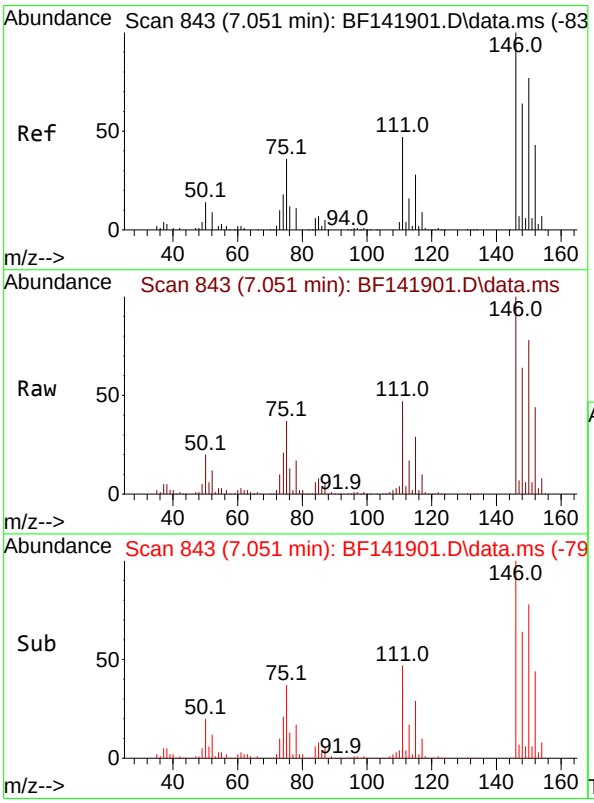
#13
1,4-Dichlorobenzene
Concen: 38.355 ng
RT: 6.898 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 620951

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	44.6	35.7	53.5

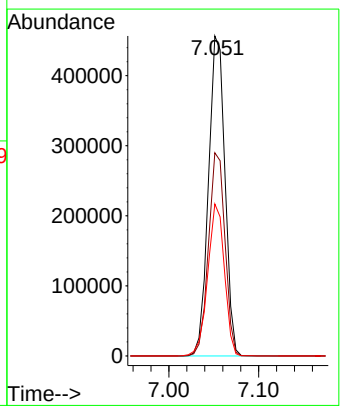


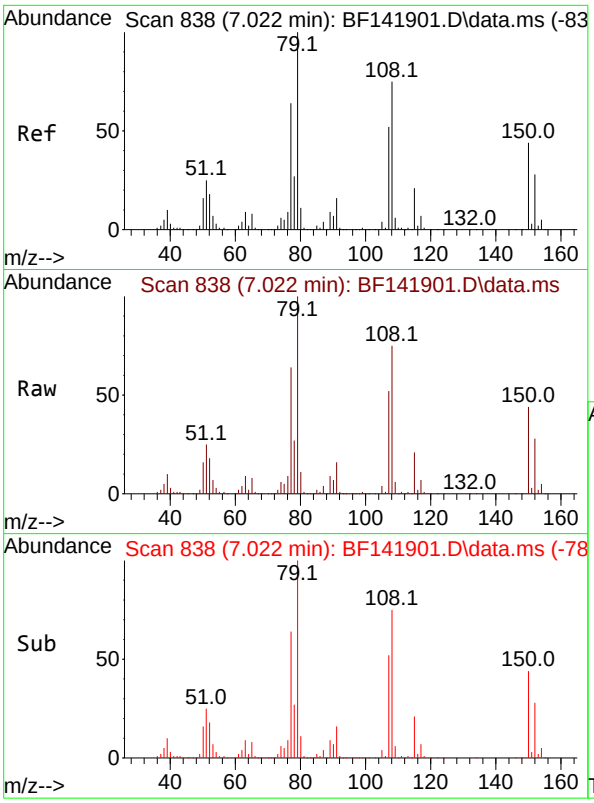


#14
1,2-Dichlorobenzene
Concen: 38.111 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:146 Resp: 581043

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	47.5	38.0	57.0



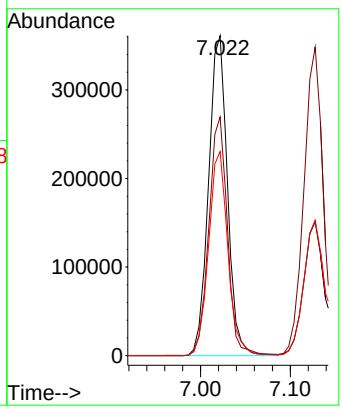


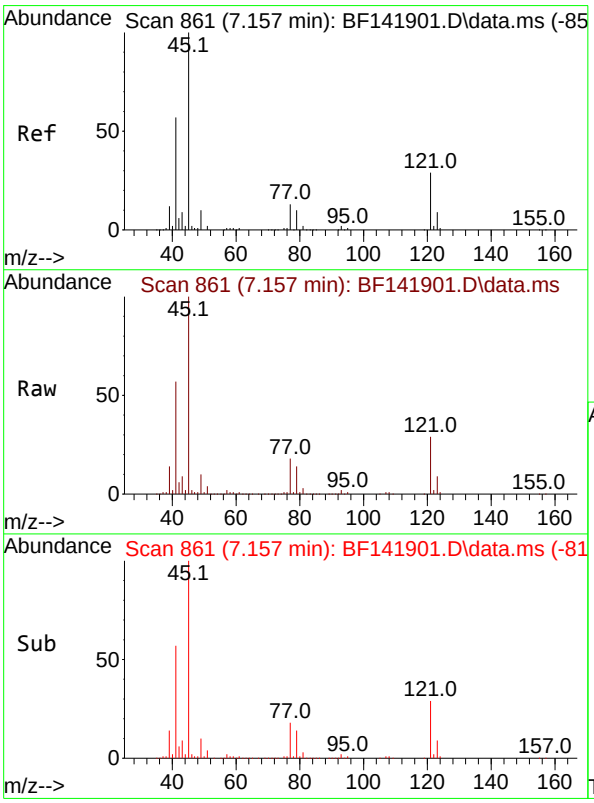
#15
Benzyl Alcohol
Concen: 38.371 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 528444

Ion	Ratio	Lower	Upper
79	100		
108	74.6	59.7	89.5
77	63.8	51.0	76.6

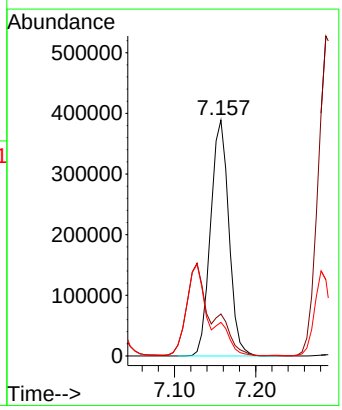


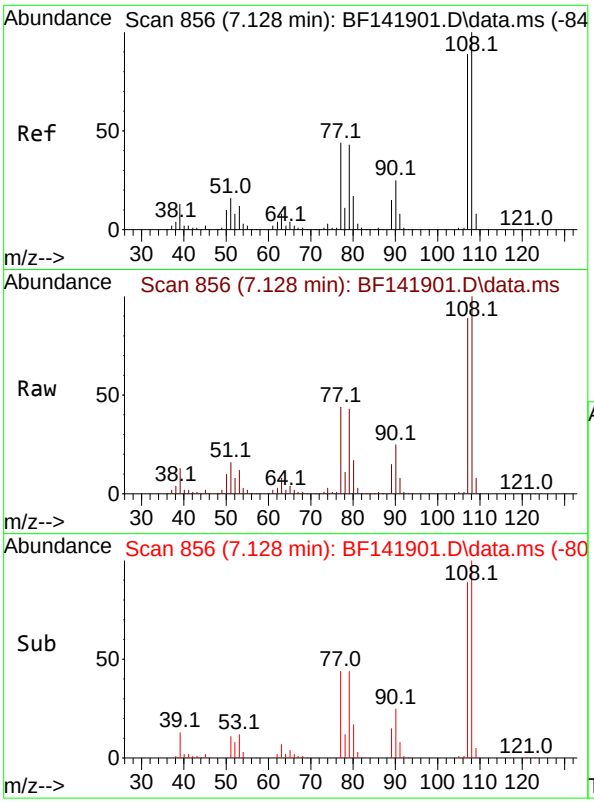


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.476 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 45 Resp: 607522

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.8
79	14.2	0.0	34.2



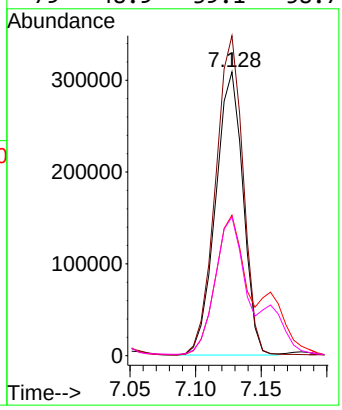


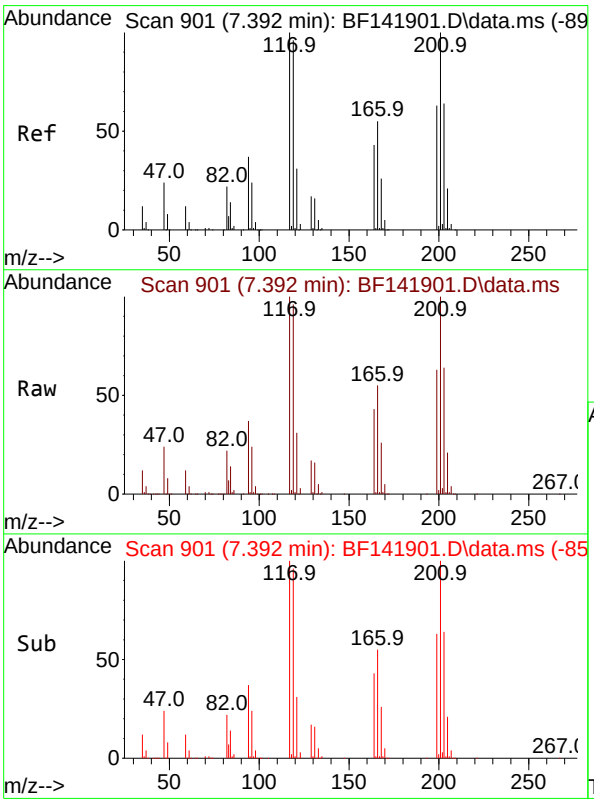
#17
2-Methylphenol
Concen: 38.190 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 449433

Ion	Ratio	Lower	Upper
107	100		
108	112.7	90.2	135.2
77	49.5	39.6	59.4
79	48.9	39.1	58.7

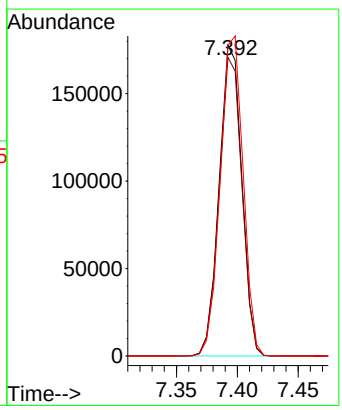


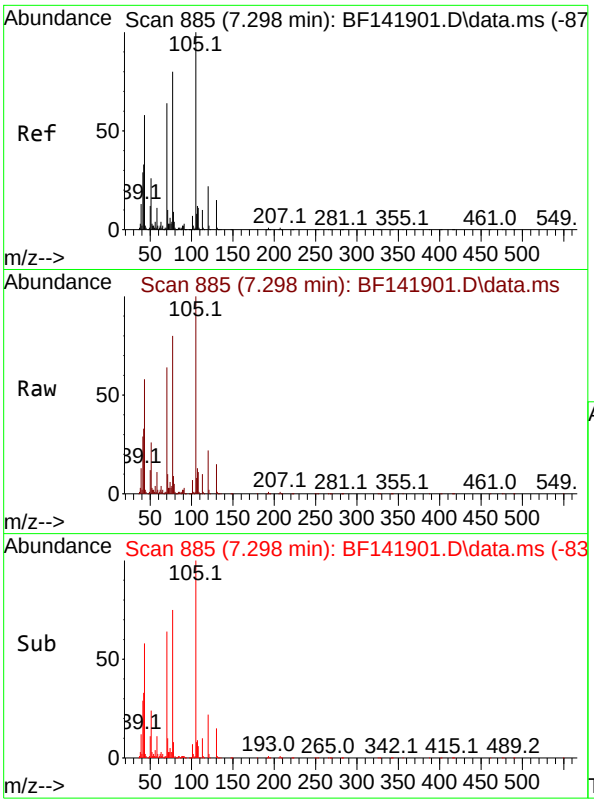


#18
Hexachloroethane
Concen: 37.993 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:117 Resp: 230613

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
201	99.9	79.9	119.9



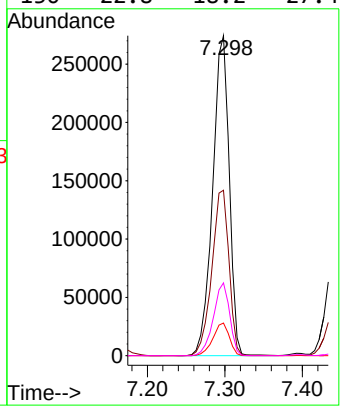


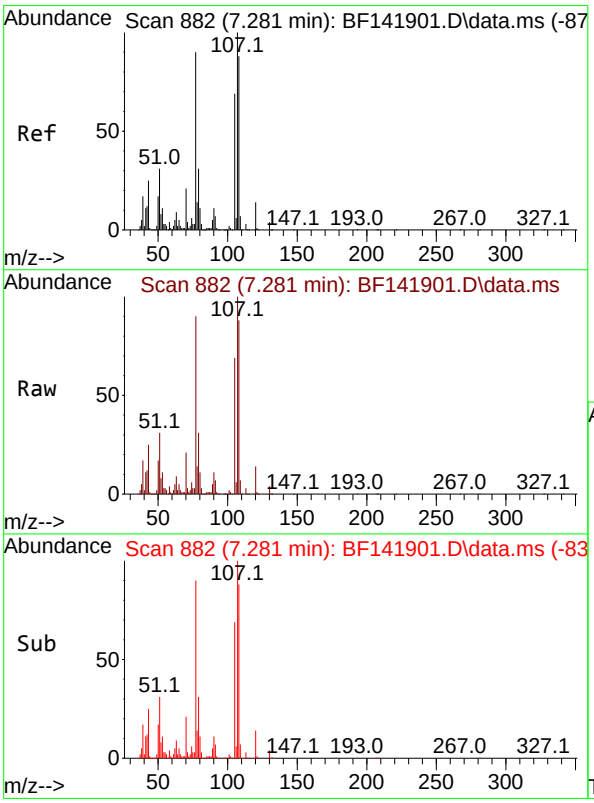
#19
n-Nitroso-di-n-propylamine
Concen: 37.223 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 407069

Ion	Ratio	Lower	Upper
70	100		
42	51.7	41.4	62.0
101	10.2	8.2	12.2
130	22.8	18.2	27.4

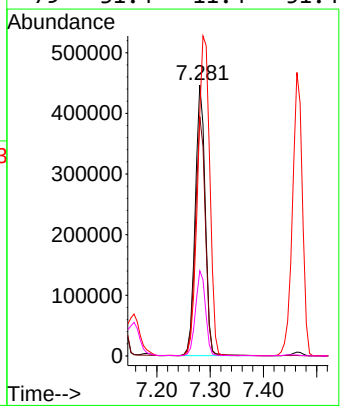


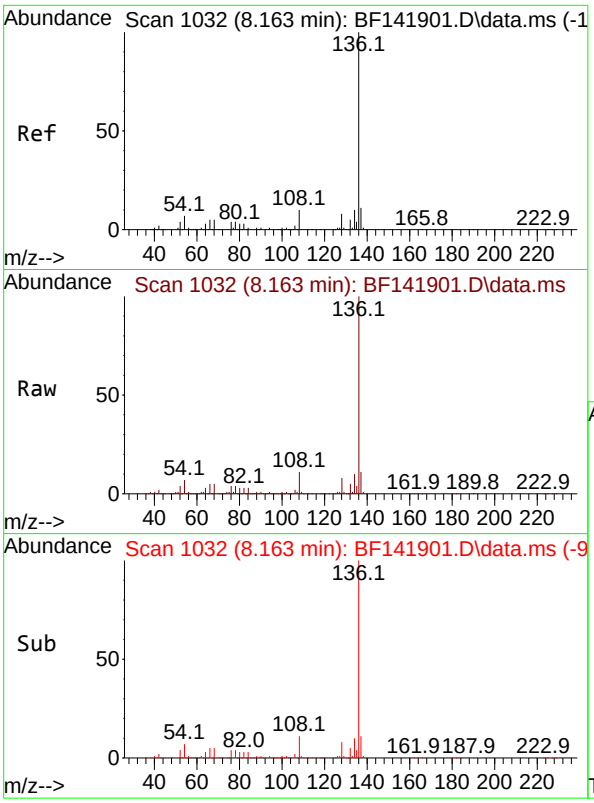


#20
3+4-Methylphenols
Concen: 38.219 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:107 Resp: 576902

Ion	Ratio	Lower	Upper
107	100		
108	88.4	68.4	108.4
77	89.7	69.7	109.7
79	31.4	11.4	51.4



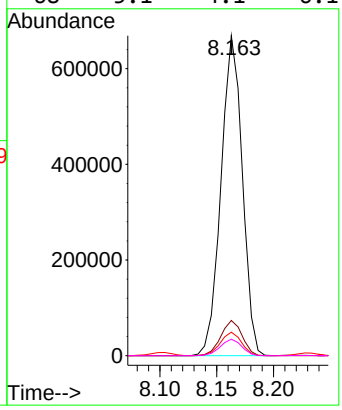


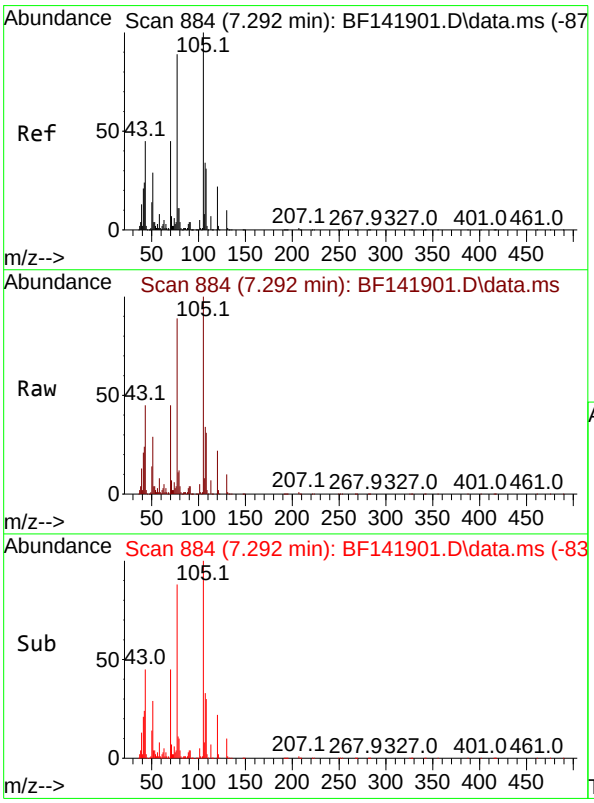
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 874166

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.3	5.8	8.8
68	5.1	4.1	6.1

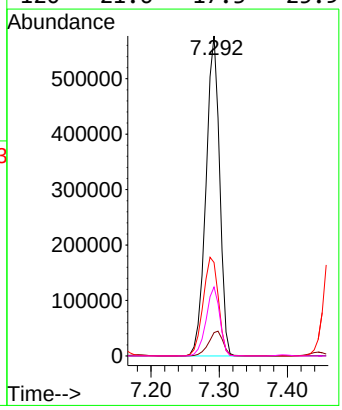


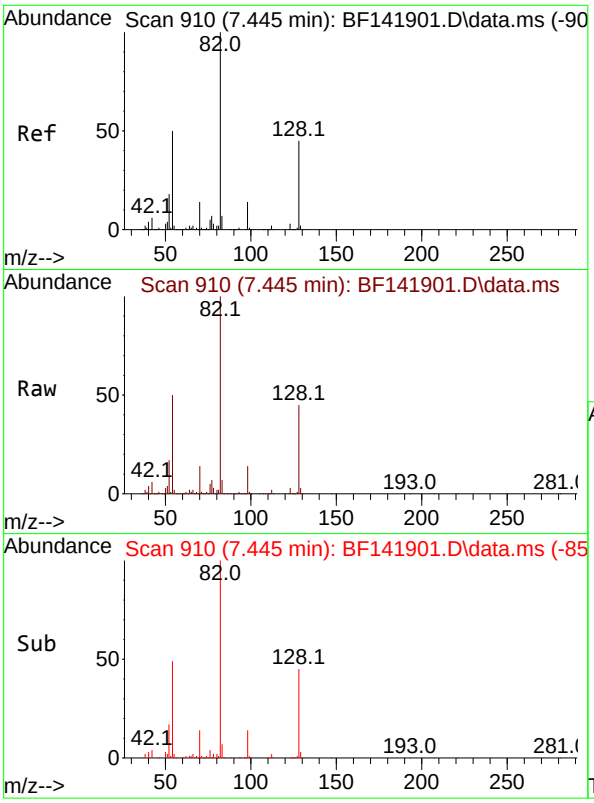


#22
Acetophenone
Concen: 38.376 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:105 Resp: 804747

Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.8	8.8
51	29.2	23.4	35.0
120	21.6	17.3	25.9



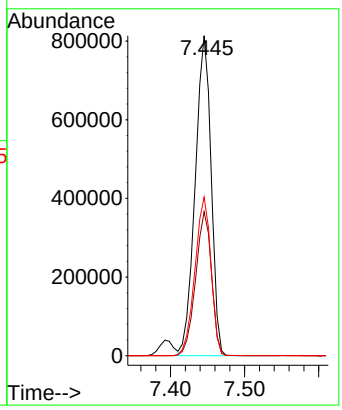


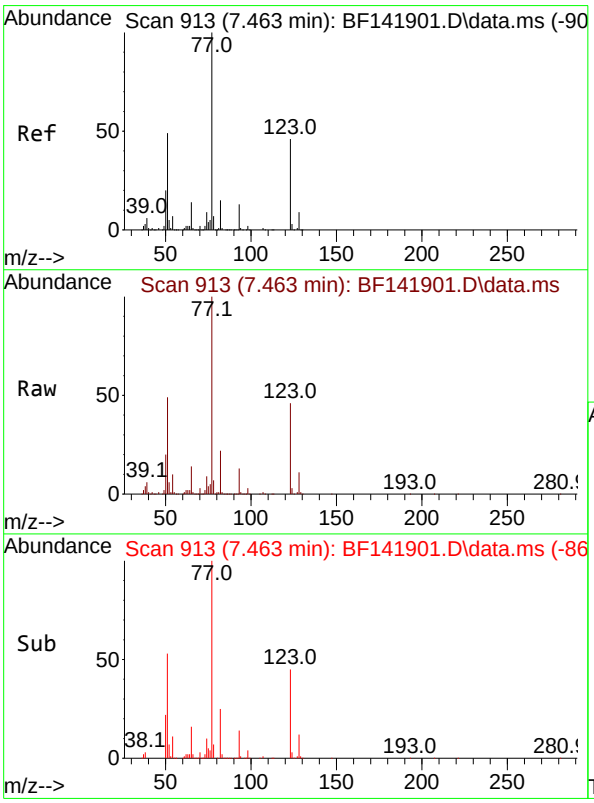
#23
Nitrobenzene-d5
Concen: 77.983 ng
RT: 7.445 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1216280

Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.0	54.0
54	49.5	39.6	59.4

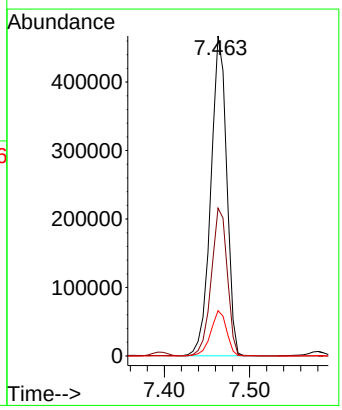


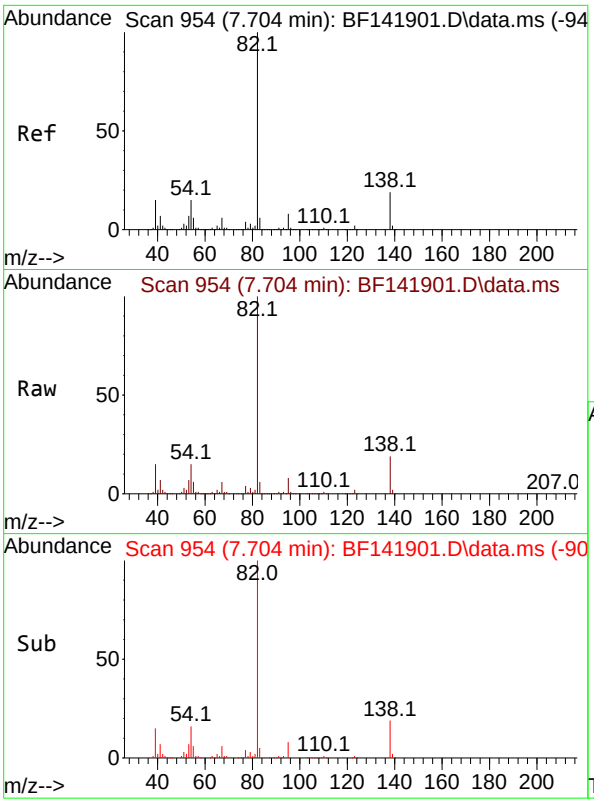


#24
Nitrobenzene
Concen: 39.106 ng
RT: 7.463 min Scan# 913
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 77 Resp: 604738

Ion	Ratio	Lower	Upper
77	100		
123	46.2	37.0	55.4
65	14.1	11.3	16.9



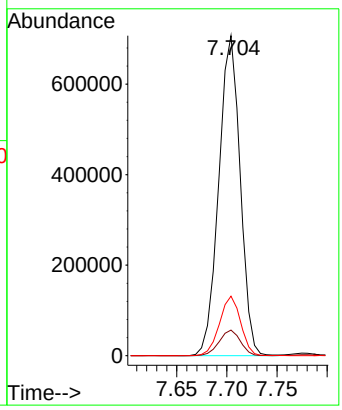


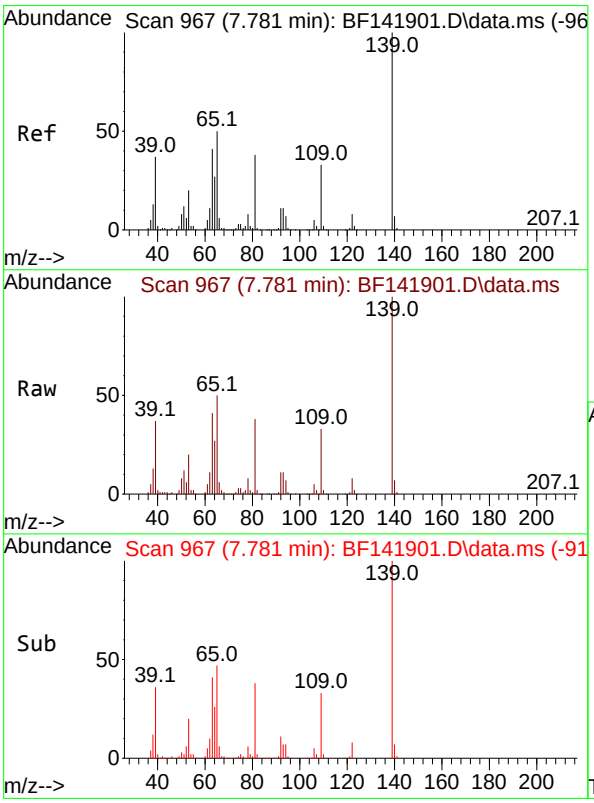
#25
Isophorone
Concen: 38.097 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1049049

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	18.6	14.9	22.3

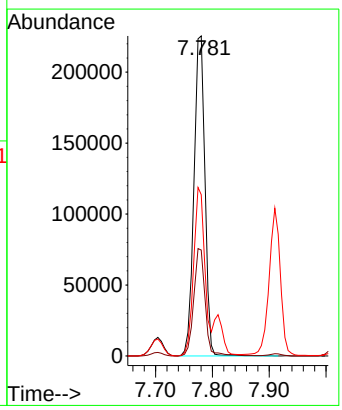


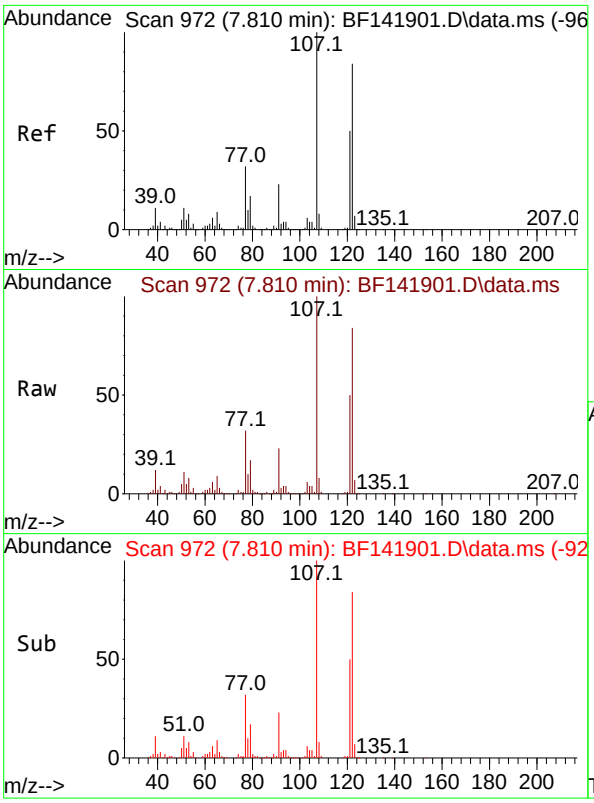


#26
2-Nitrophenol
Concen: 40.295 ng
RT: 7.781 min Scan# 967
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:139 Resp: 305349

Ion	Ratio	Lower	Upper
139	100		
109	33.1	26.5	39.7
65	50.4	40.3	60.5



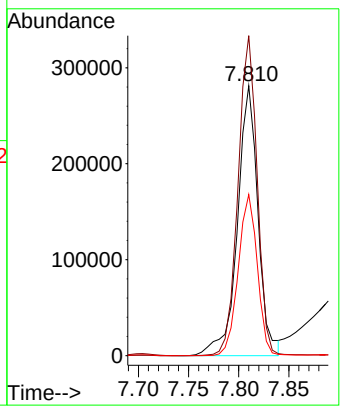


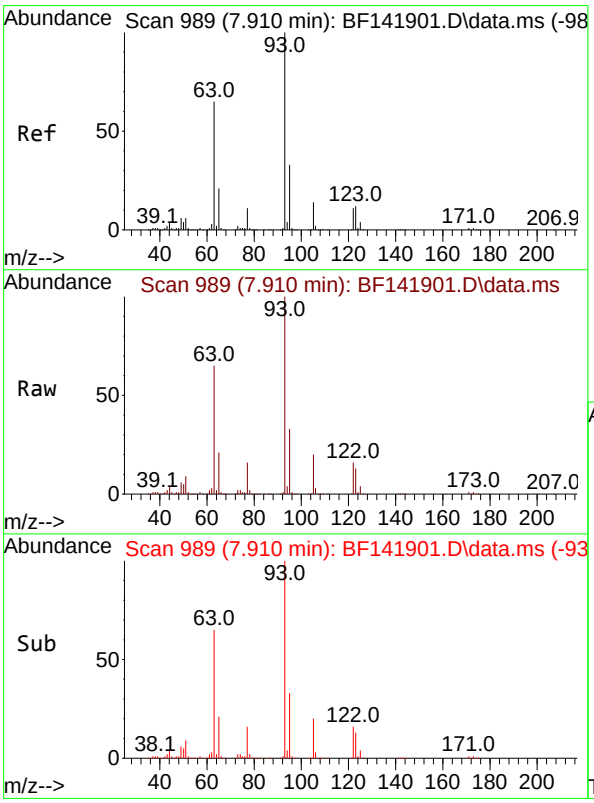
#27
2,4-Dimethylphenol
Concen: 38.671 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 403621

Ion	Ratio	Lower	Upper
122	100		
107	118.5	94.8	142.2
121	59.7	47.8	71.6

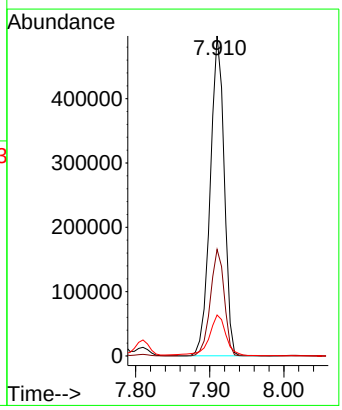


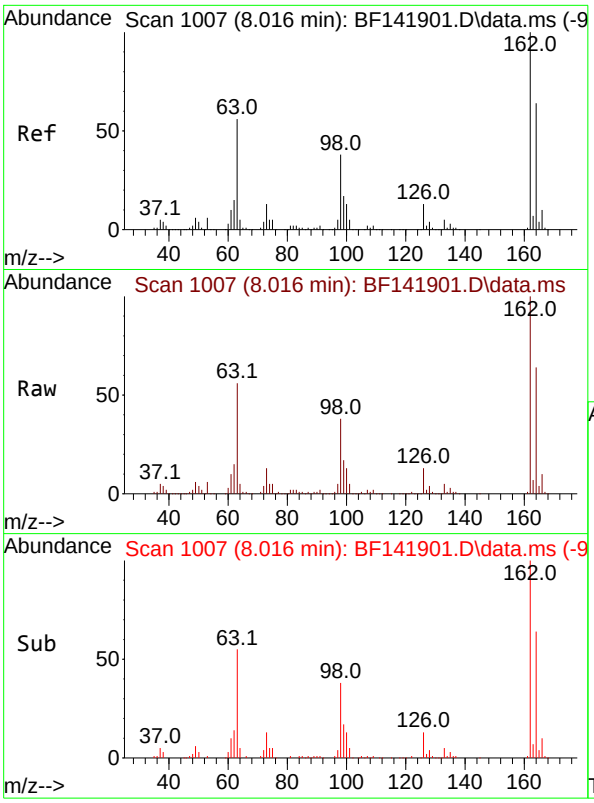


#28
bis(2-Chloroethoxy)methane
Concen: 37.702 ng
RT: 7.910 min Scan# 989
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 93 Resp: 650344

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.6	40.0
123	12.8	10.2	15.4



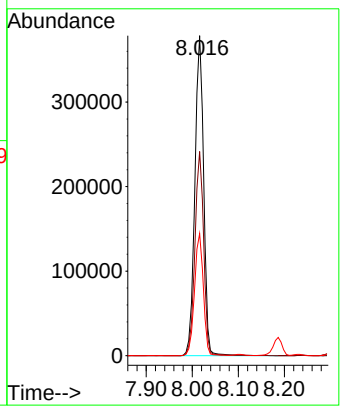


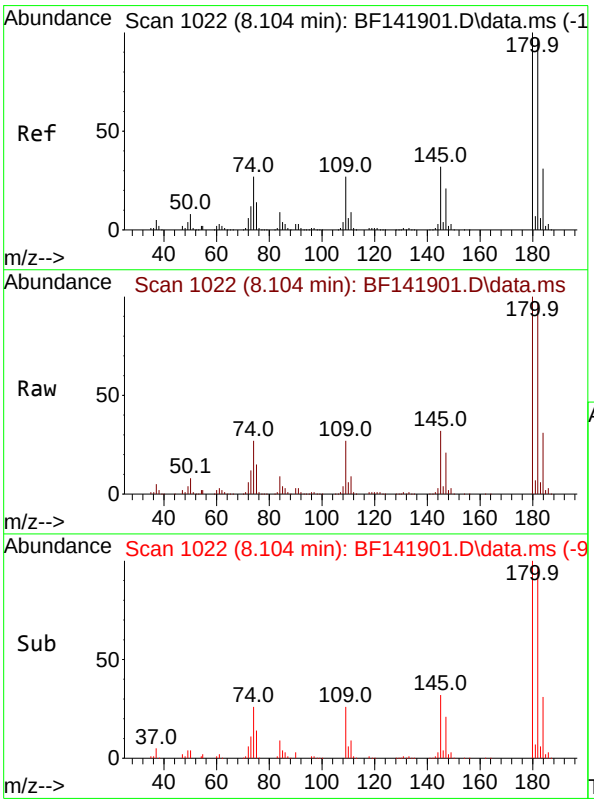
#29
2,4-Dichlorophenol
Concen: 38.619 ng
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 500239

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.8	83.8
98	38.1	18.1	58.1

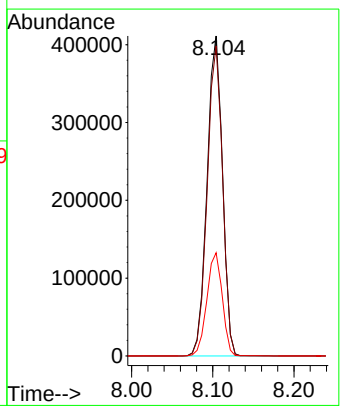


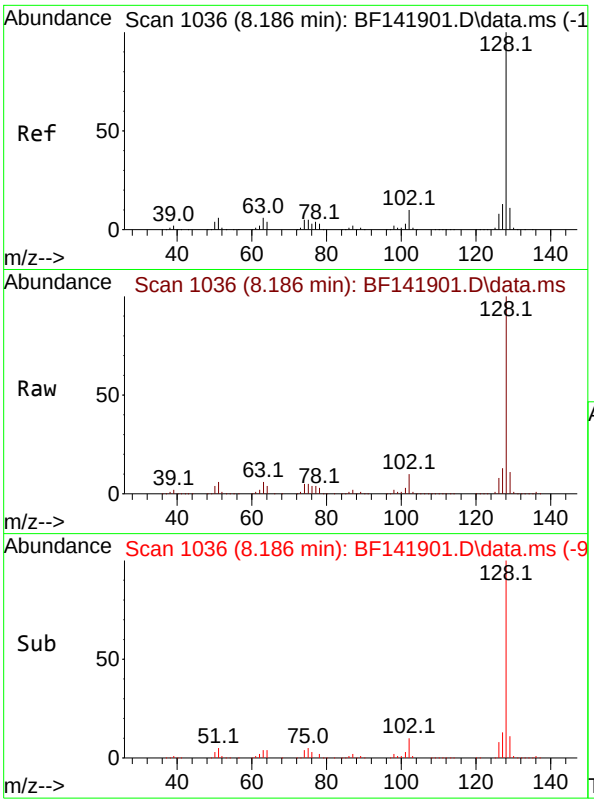


#30
1,2,4-Trichlorobenzene
Concen: 37.870 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:180 Resp: 541182

Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.5	116.3
145	32.2	25.8	38.6



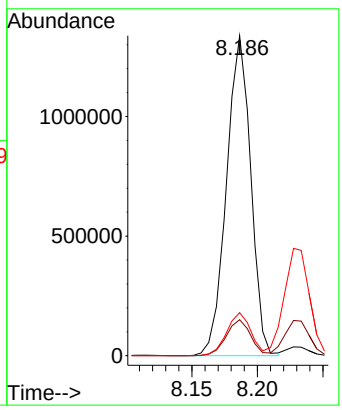


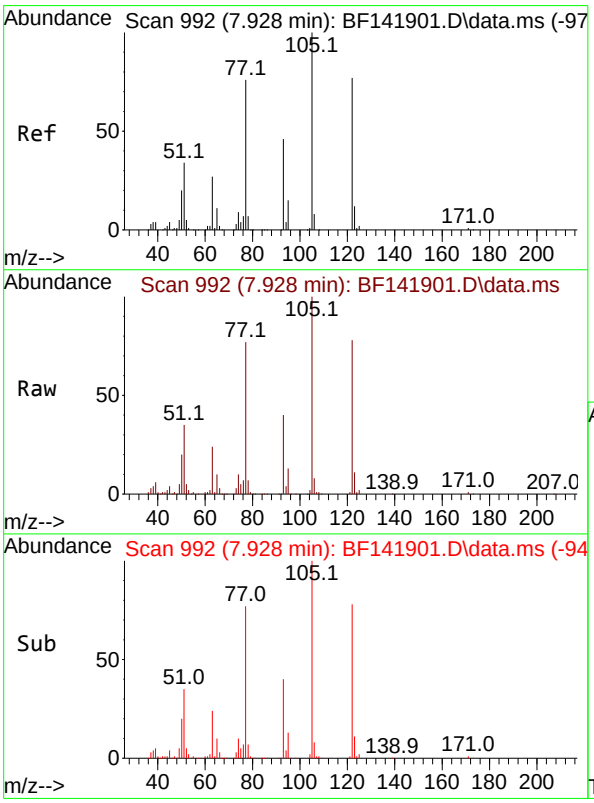
#31
Naphthalene
Concen: 38.400 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1719643

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.5	10.8	16.2

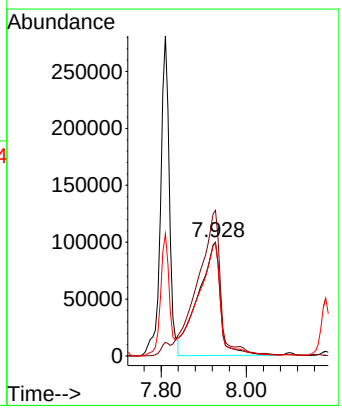


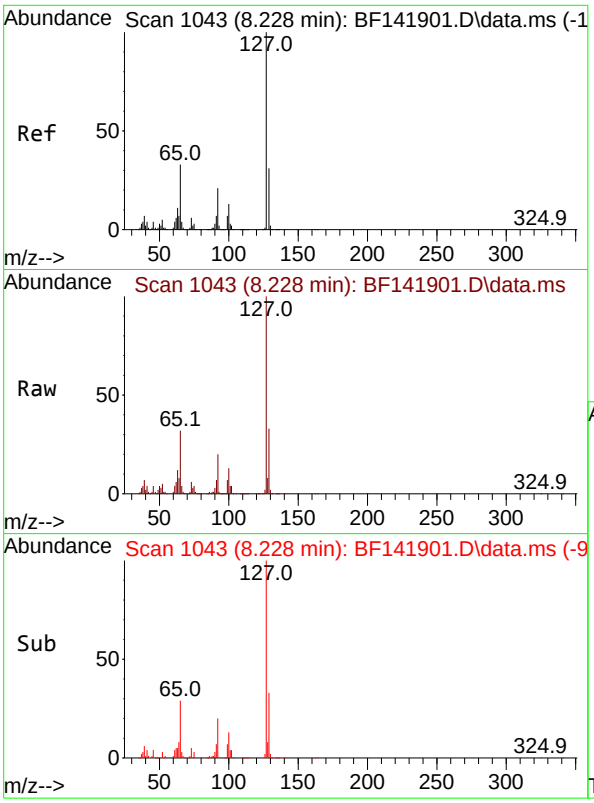


#32
Benzoic acid
Concen: 39.827 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:122 Resp: 363328

Ion	Ratio	Lower	Upper
122	100		
105	127.9	107.9	147.9
77	99.0	79.0	119.0



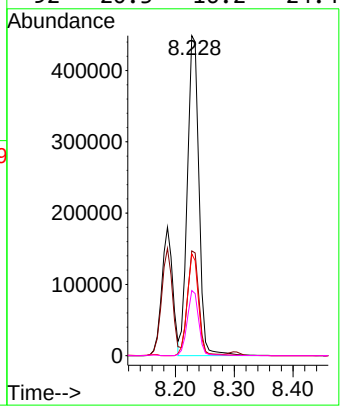


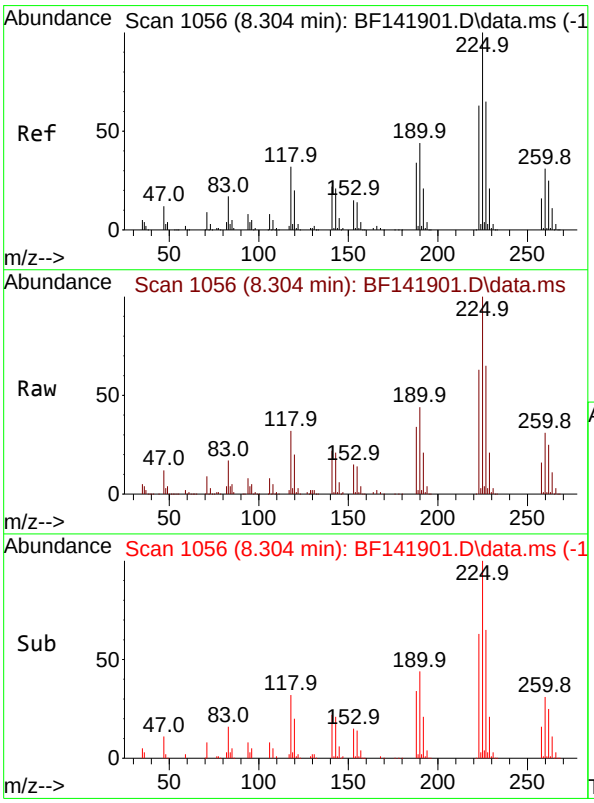
#33
4-Chloroaniline
Concen: 38.824 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 613535

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	31.8	25.4	38.2
92	20.3	16.2	24.4

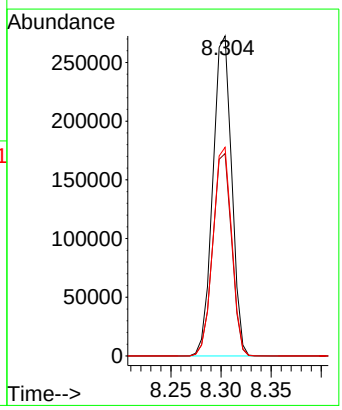


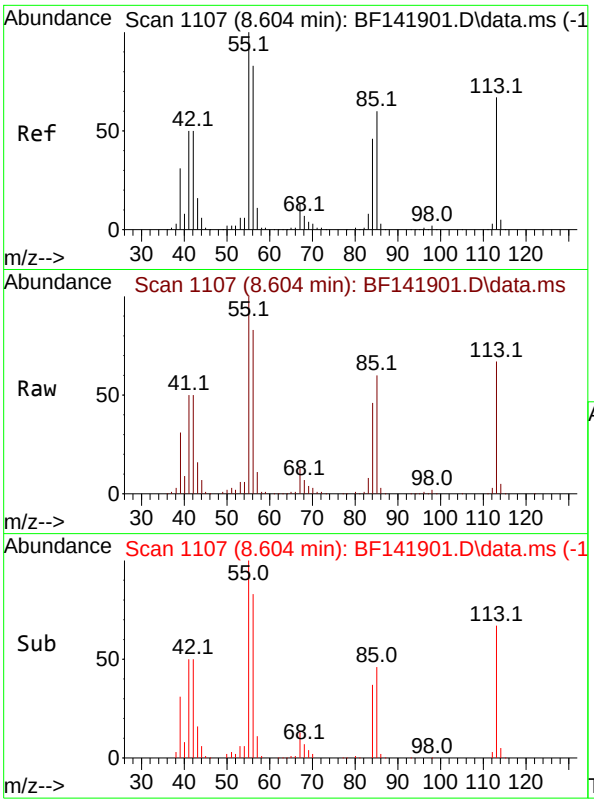


#34
Hexachlorobutadiene
Concen: 38.285 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:225 Resp: 355740

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	65.2	52.2	78.2



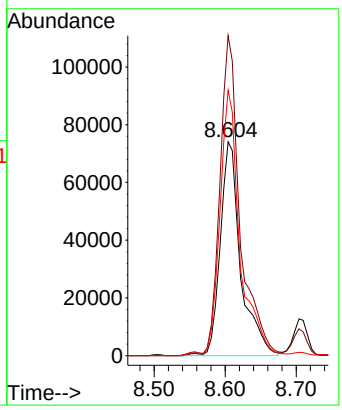


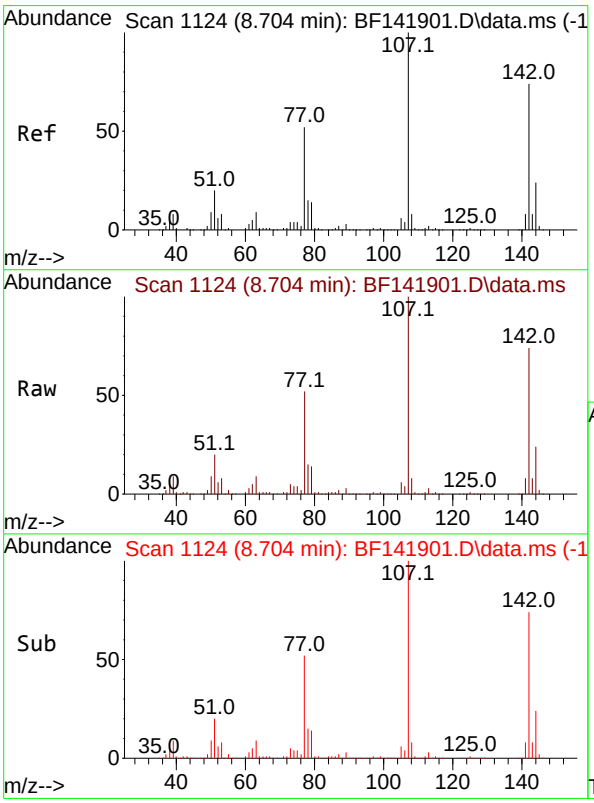
#35
Caprolactam
Concen: 37.335 ng
RT: 8.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 147056

Ion	Ratio	Lower	Upper
113	100		
55	149.6	129.6	169.6
56	124.0	104.0	144.0

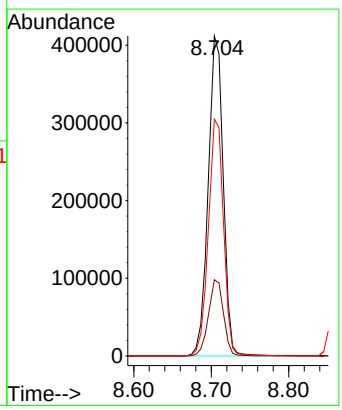


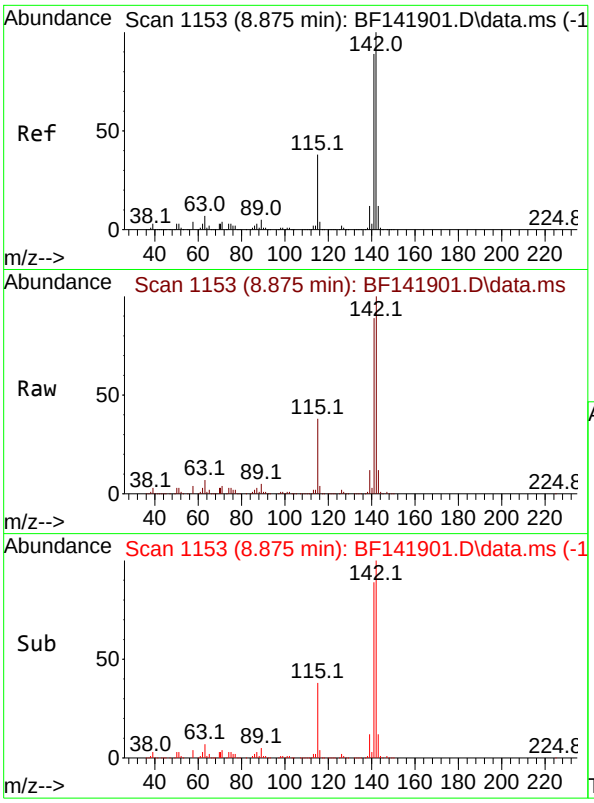


#36
4-Chloro-3-methylphenol
Concen: 38.549 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:107 Resp: 555328

Ion	Ratio	Lower	Upper
107	100		
144	23.8	19.0	28.6
142	74.0	59.2	88.8



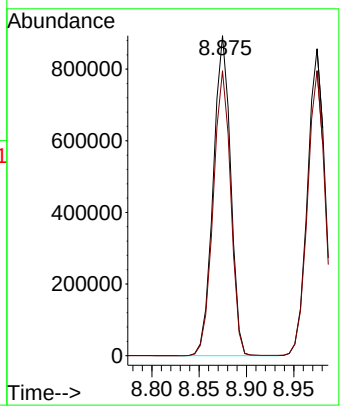


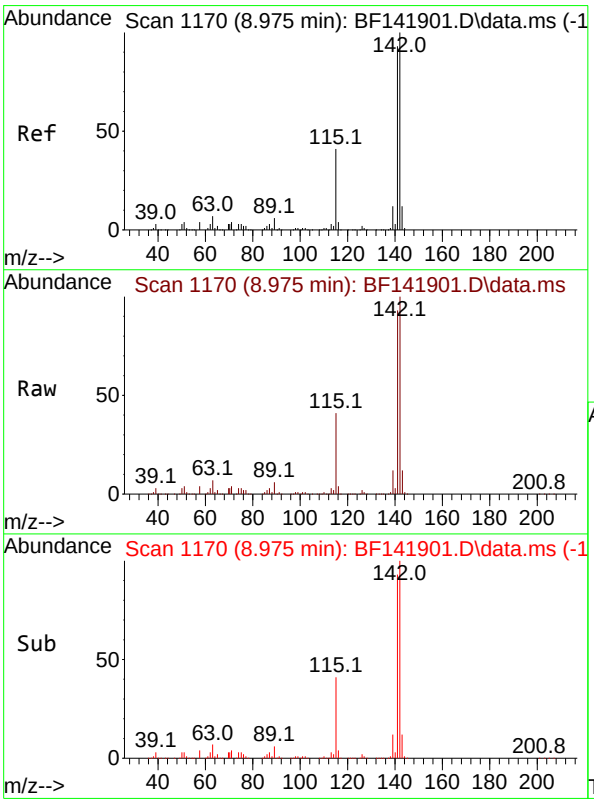
#37
2-Methylnaphthalene
Concen: 37.983 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1141228

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8

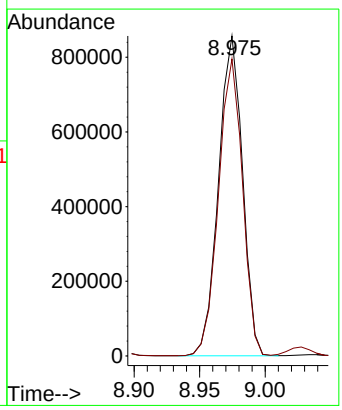


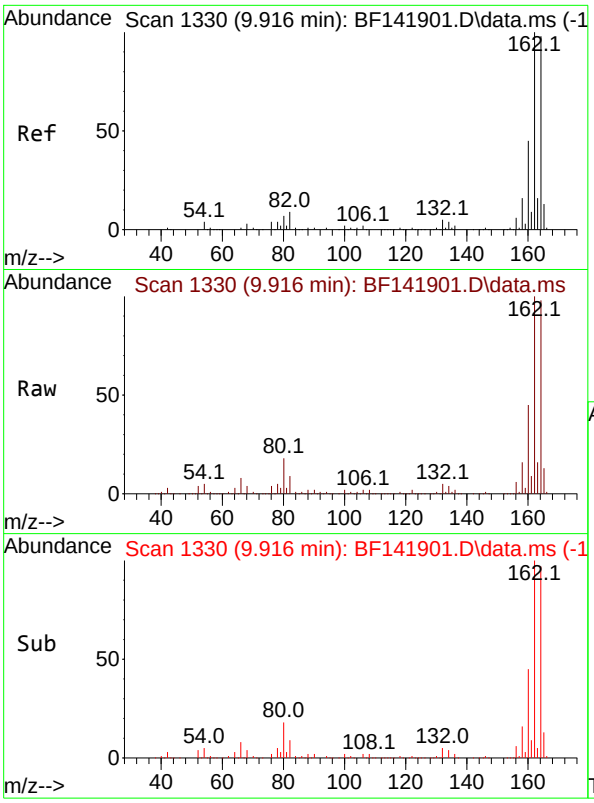


#38
1-Methylnaphthalene
Concen: 37.447 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:142 Resp: 1089576

Ion	Ratio	Lower	Upper
142	100		
141	92.8	74.2	111.4



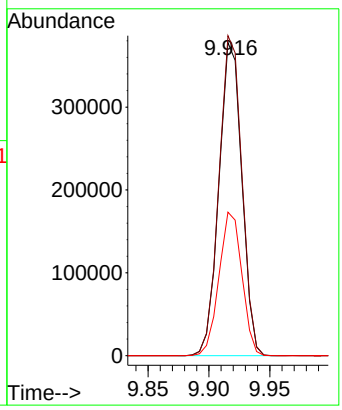


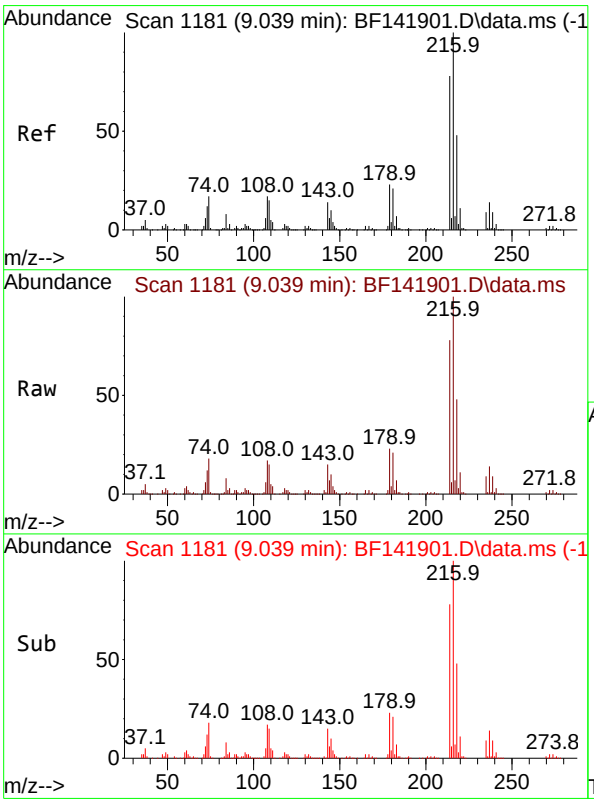
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 493744

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.6
160	45.9	36.7	55.1

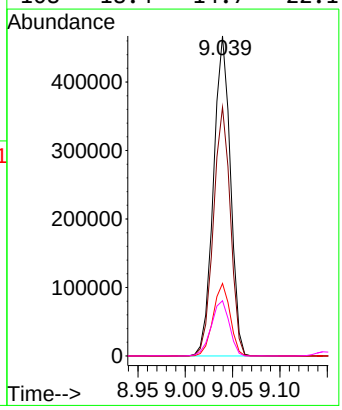


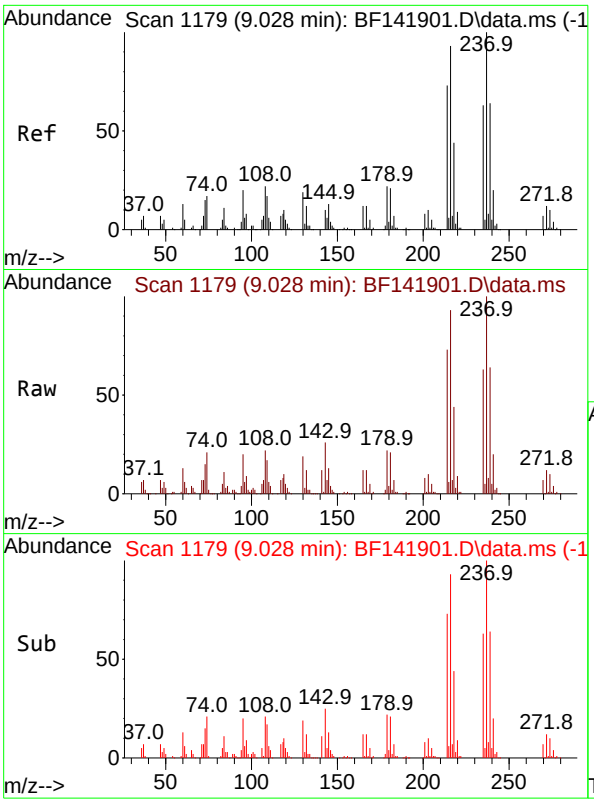


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.814 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:216 Resp: 584322

Ion	Ratio	Lower	Upper
216	100		
214	77.4	61.9	92.9
179	22.6	18.1	27.1
108	18.4	14.7	22.1



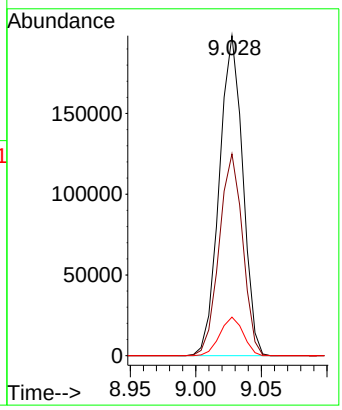


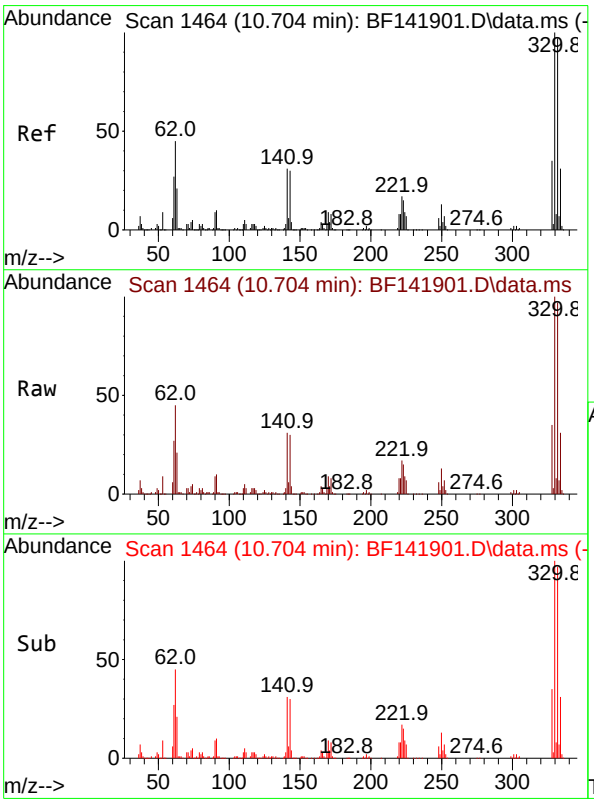
#41
Hexachlorocyclopentadiene
Concen: 41.523 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 246666

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.1	83.1
272	12.0	0.0	32.0

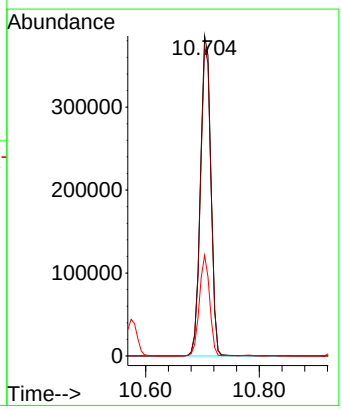


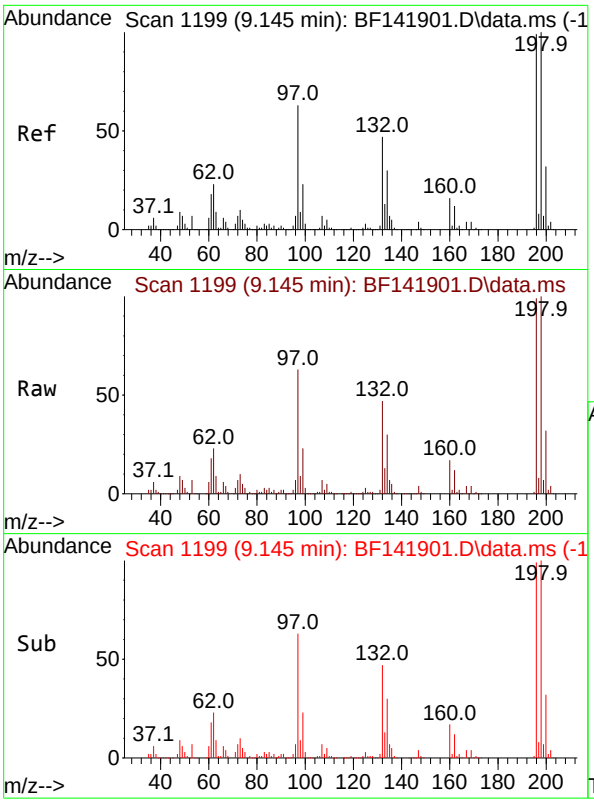


#42
2,4,6-Tribromophenol
Concen: 78.949 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:330 Resp: 493945

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	30.9	24.7	37.1



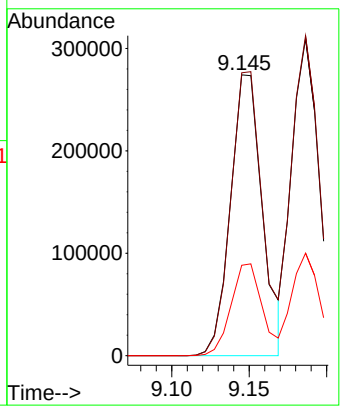


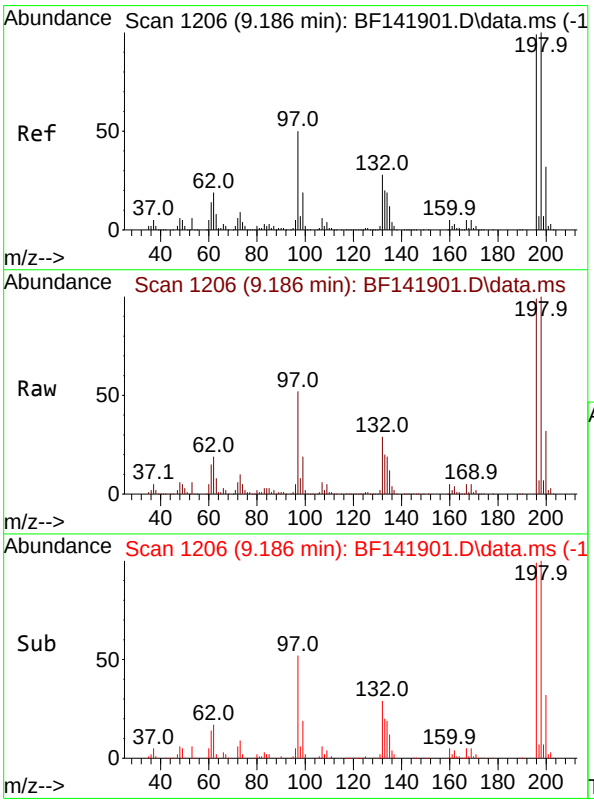
#43
2,4,6-Trichlorophenol
Concen: 40.014 ng
RT: 9.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 392696

Ion	Ratio	Lower	Upper
196	100		
198	100.8	80.6	121.0
200	32.2	25.8	38.6

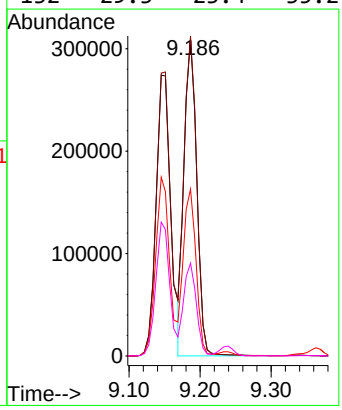


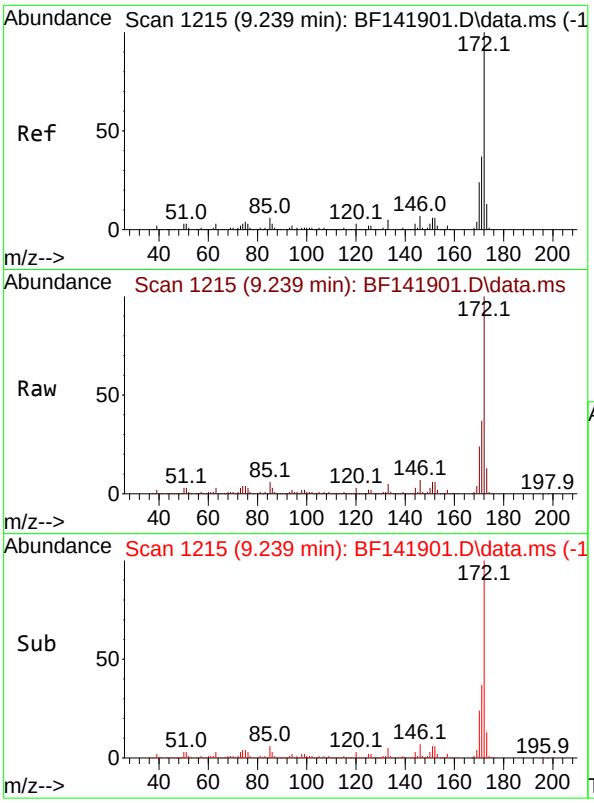


#44
2,4,5-Trichlorophenol
Concen: 38.566 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:196 Resp: 384539

Ion	Ratio	Lower	Upper
196	100		
198	100.9	80.7	121.1
97	52.6	42.1	63.1
132	29.3	23.4	35.2



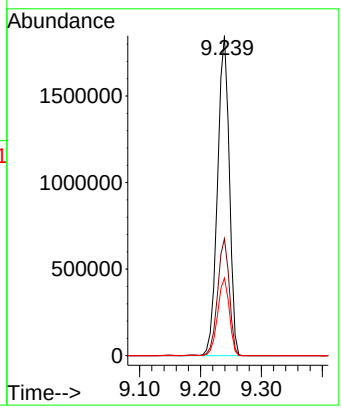


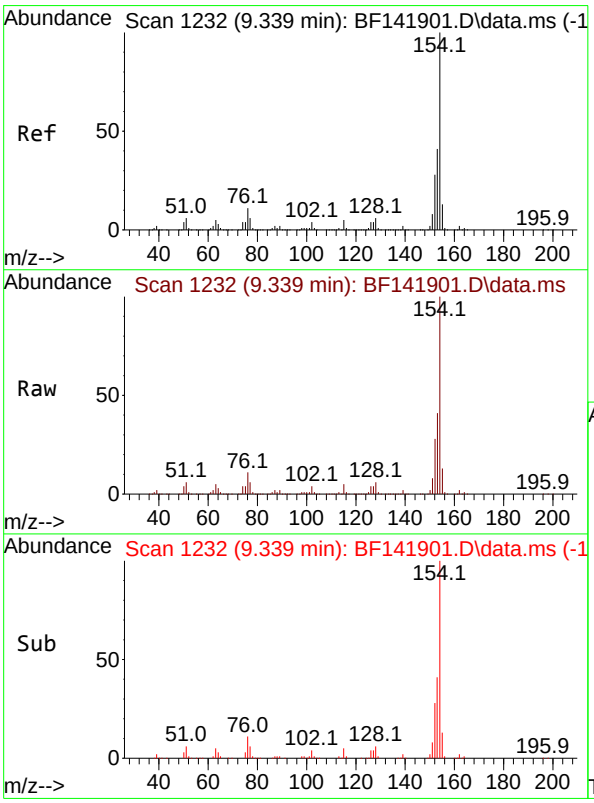
#45
2-Fluorobiphenyl
Concen: 76.357 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 2475837

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.3	43.9
170	24.2	19.4	29.0

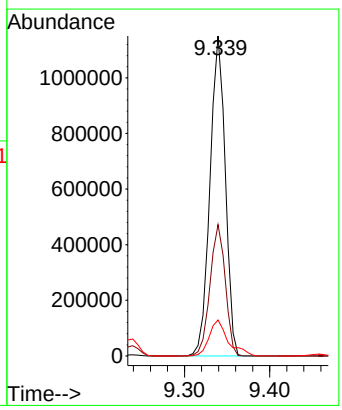


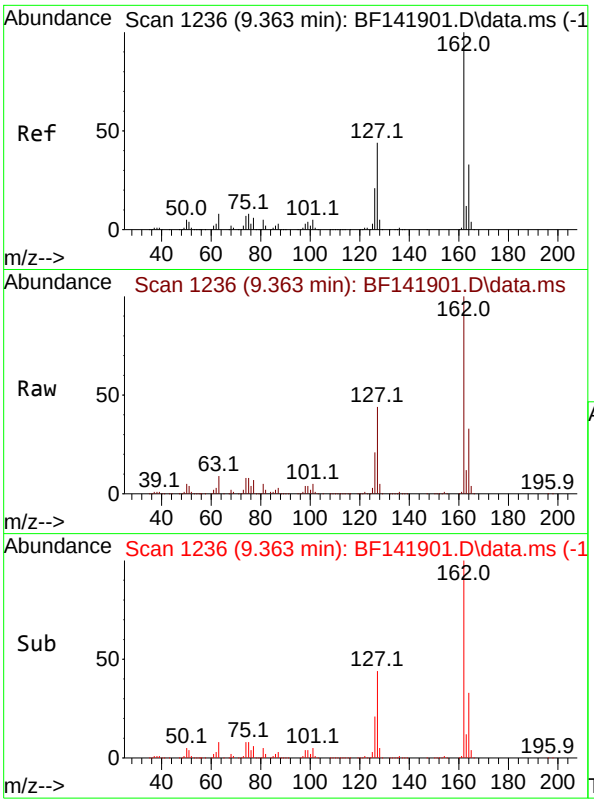


#46
1,1'-Biphenyl
Concen: 38.362 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:154 Resp: 1436040

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.1	61.1
76	11.3	0.0	31.3



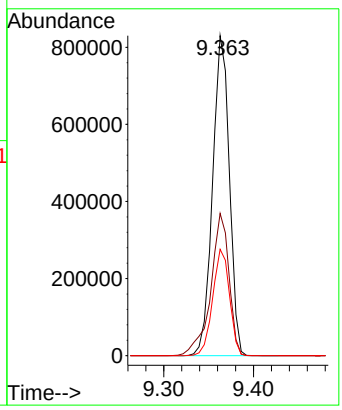


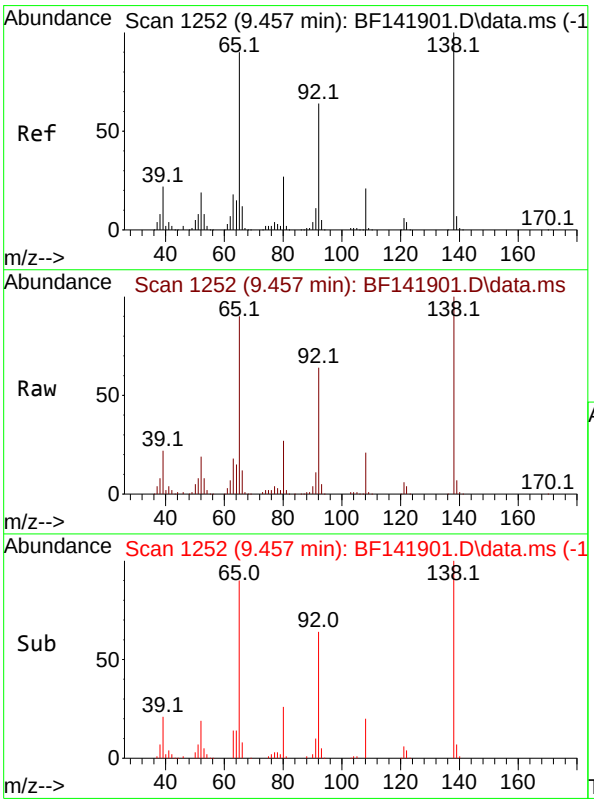
#47
2-Chloronaphthalene
Concen: 38.609 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1077099

Ion	Ratio	Lower	Upper
162	100		
127	44.4	35.5	53.3
164	33.3	26.6	40.0

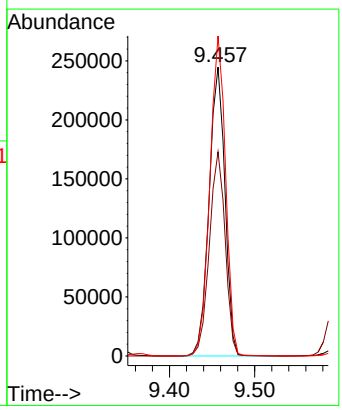


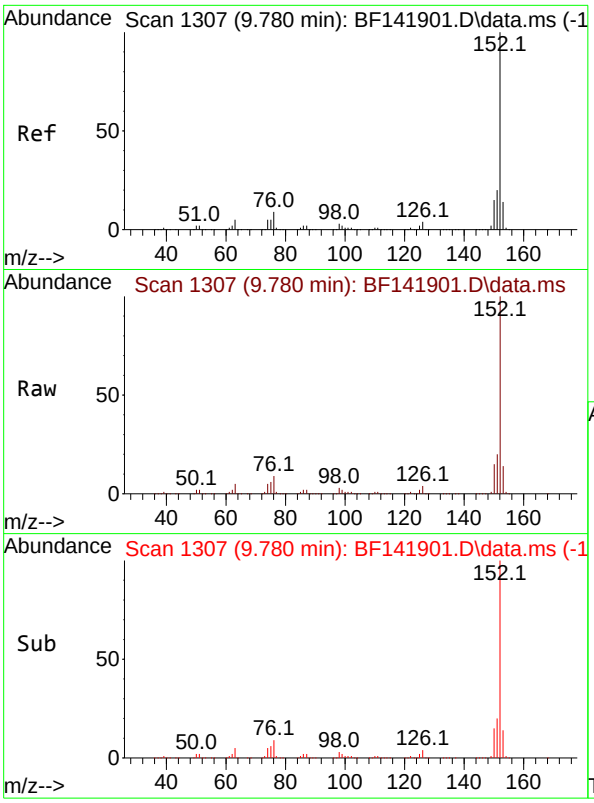


#48
2-Nitroaniline
Concen: 39.690 ng
RT: 9.457 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 65 Resp: 318068

Ion	Ratio	Lower	Upper
65	100		
92	70.7	56.6	84.8
138	110.8	88.6	133.0



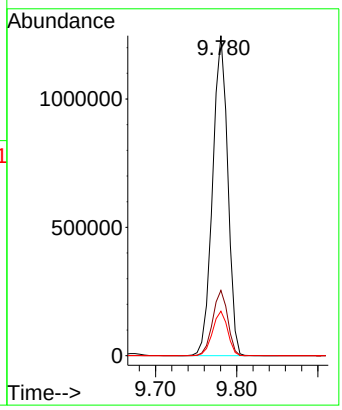


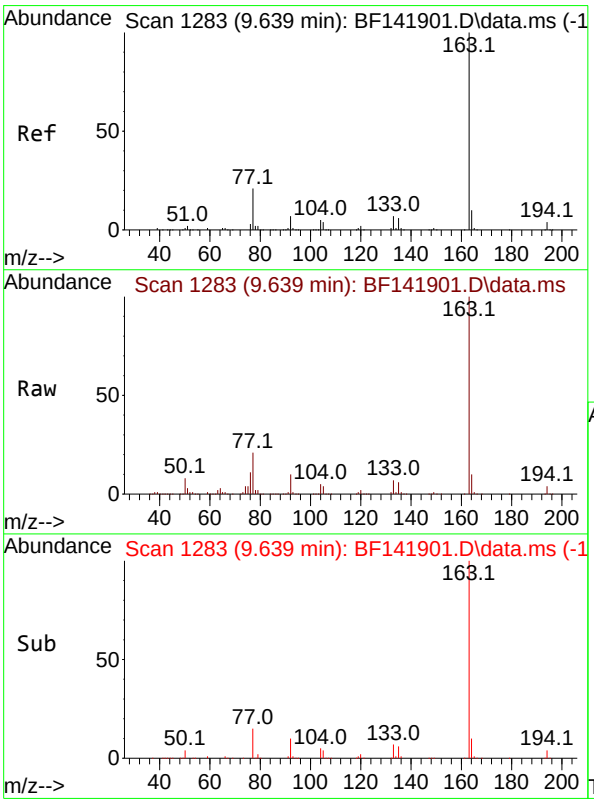
#49
Acenaphthylene
Concen: 39.029 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 1614250

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.9	11.1	16.7

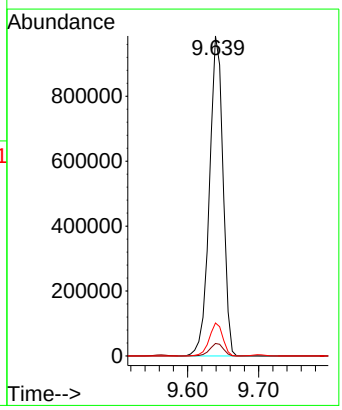


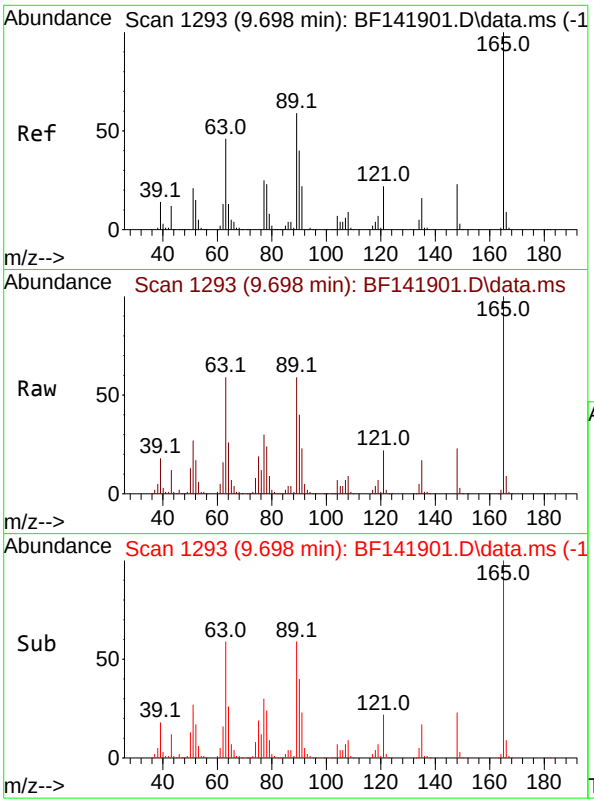


#50
Dimethylphthalate
Concen: 38.270 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:163 Resp: 1312856

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.3	8.2	12.4



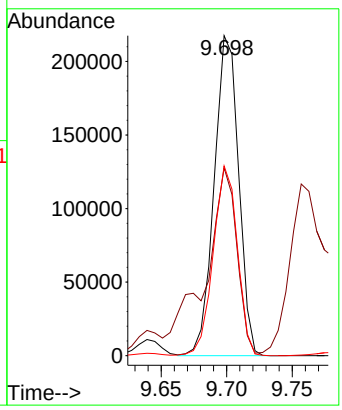


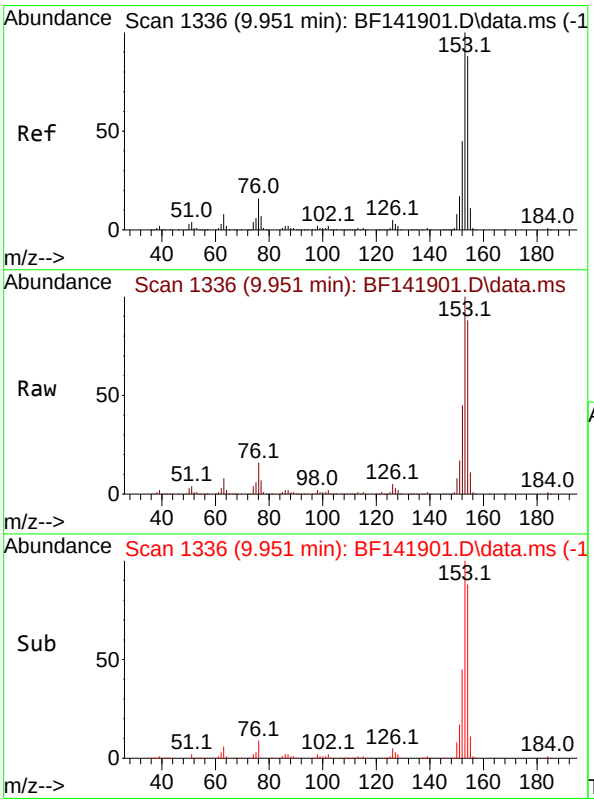
#51
2,6-Dinitrotoluene
Concen: 39.486 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 281695

Ion	Ratio	Lower	Upper
165	100		
63	58.7	47.0	70.4
89	59.3	47.4	71.2

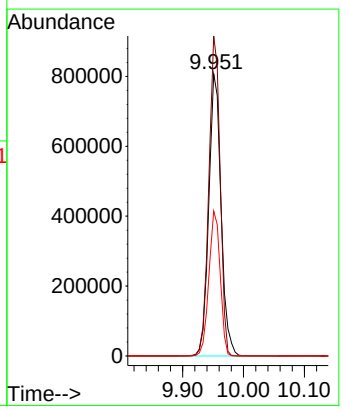


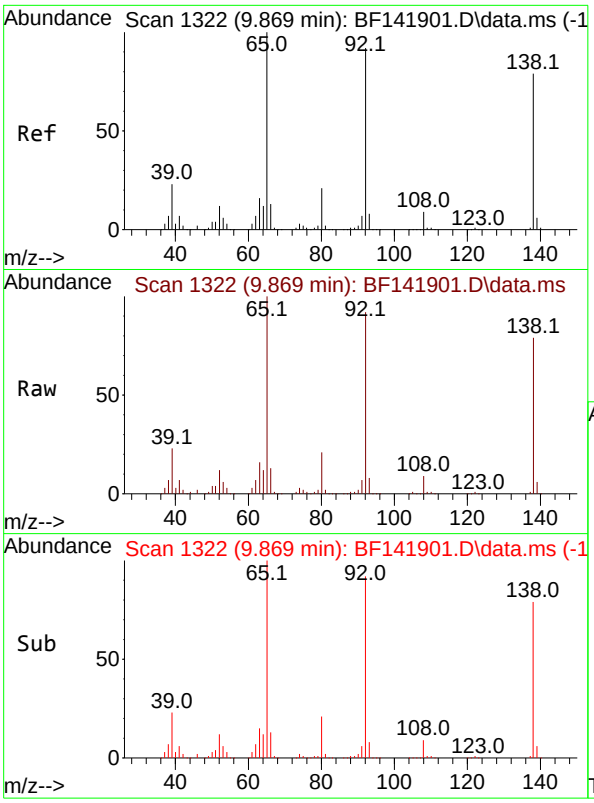


#52
Acenaphthene
Concen: 38.764 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:154 Resp: 1132087

Ion	Ratio	Lower	Upper
154	100		
153	113.4	90.7	136.1
152	51.4	41.1	61.7



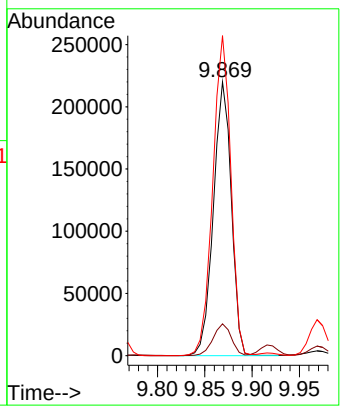


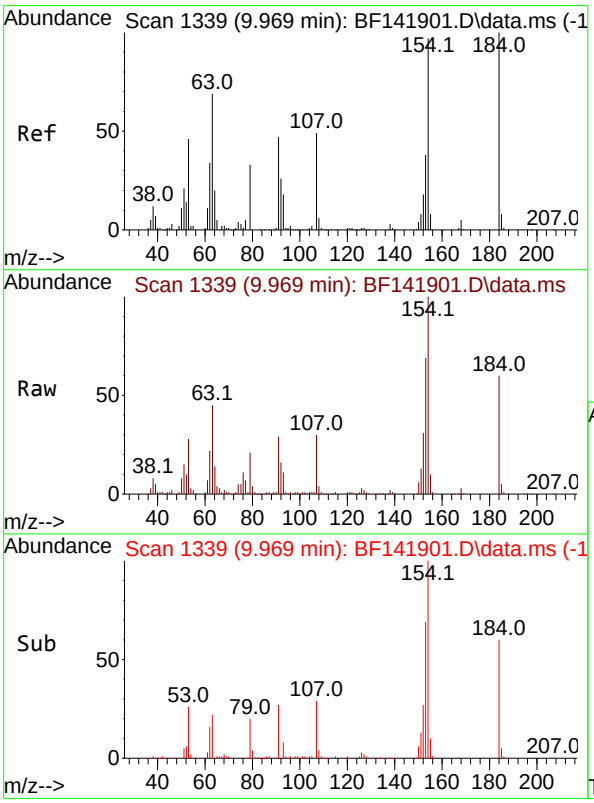
#53
3-Nitroaniline
Concen: 39.481 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 289208

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.3	13.9
92	116.9	93.5	140.3

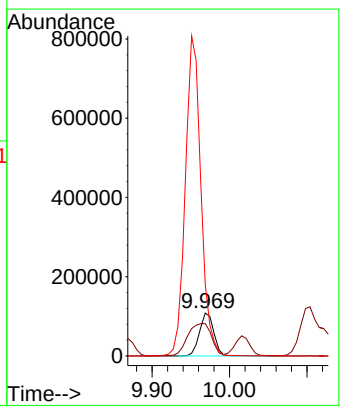


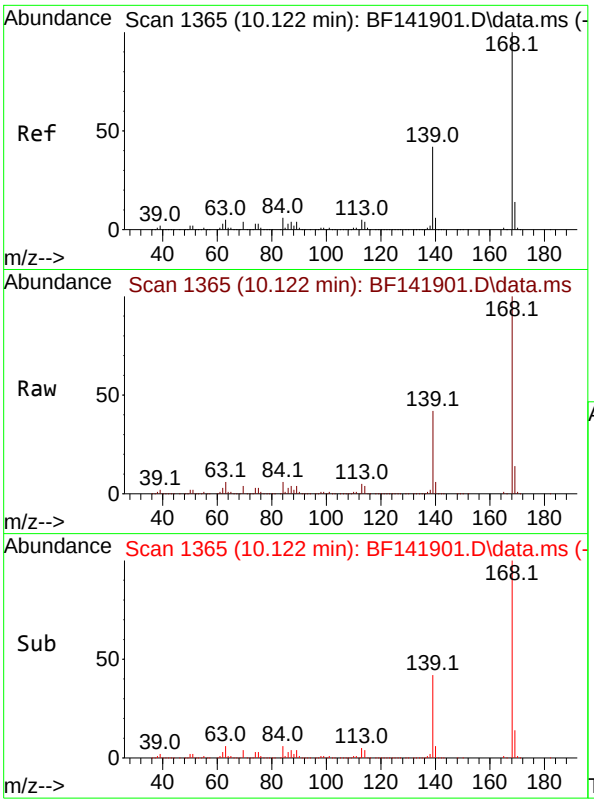


#54
2,4-Dinitrophenol
Concen: 38.116 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:184 Resp: 140024

Ion	Ratio	Lower	Upper
184	100		
63	75.3	60.2	90.4
154	166.1	132.9	199.3



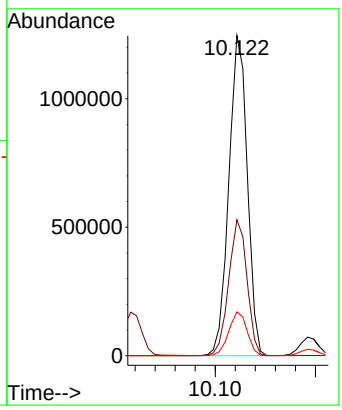


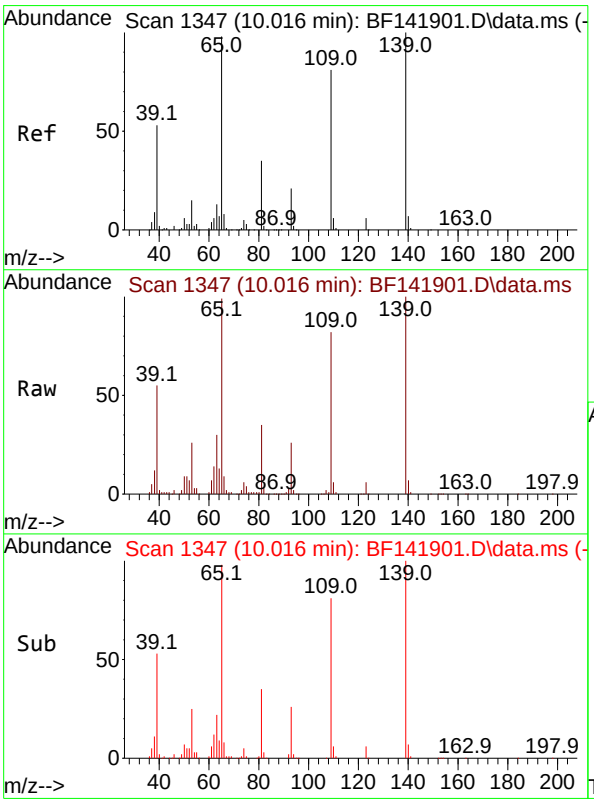
#55
Dibenzofuran
Concen: 38.266 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 1593454

Ion	Ratio	Lower	Upper
168	100		
139	42.4	33.9	50.9
169	13.7	11.0	16.4

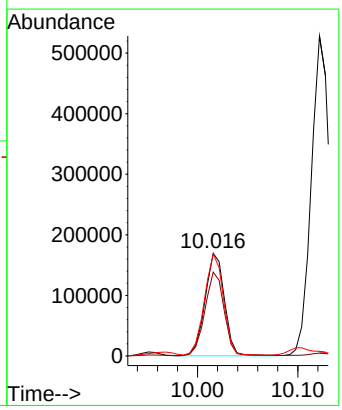


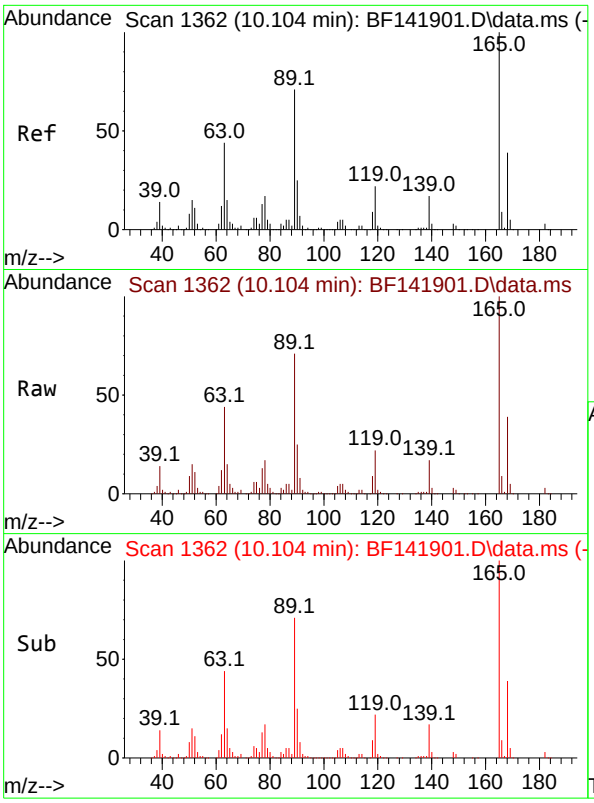


#56
4-Nitrophenol
Concen: 41.266 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:139 Resp: 227070

Ion	Ratio	Lower	Upper
139	100		
109	81.6	61.6	101.6
65	99.4	79.4	119.4



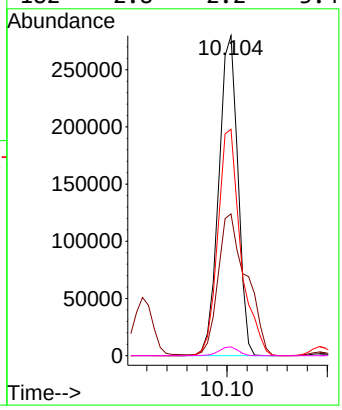


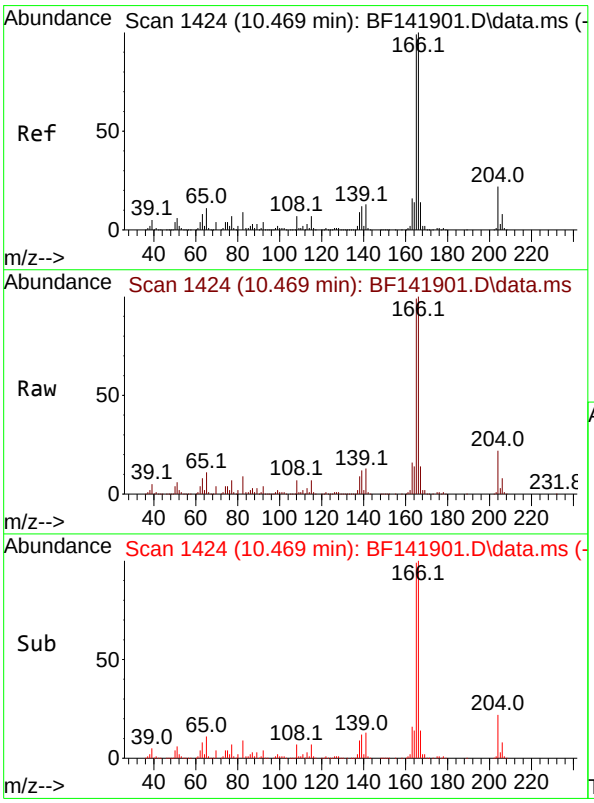
#57
2,4-Dinitrotoluene
Concen: 39.437 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 370337

Ion	Ratio	Lower	Upper
165	100		
63	44.3	35.4	53.2
89	70.7	56.6	84.8
182	2.8	2.2	3.4

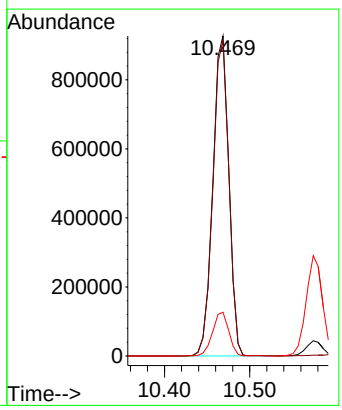


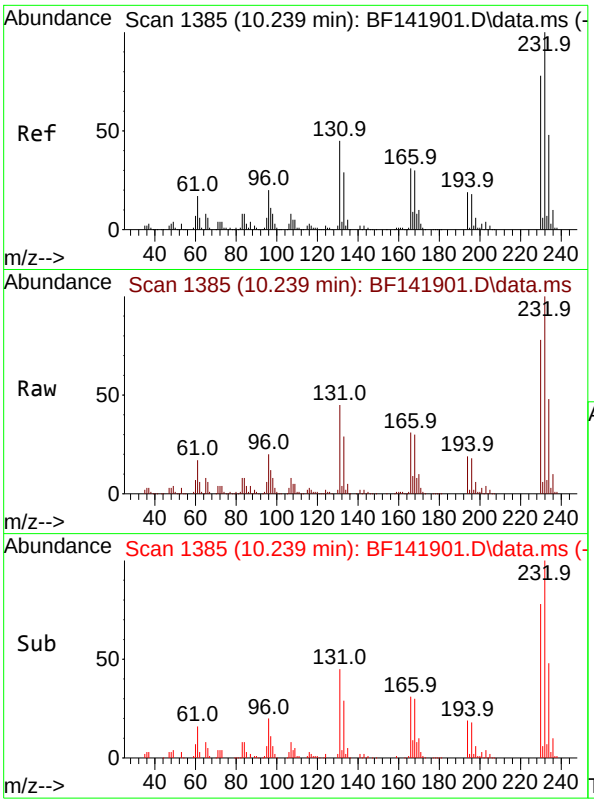


#58
Fluorene
Concen: 37.742 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:166 Resp: 1213316

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.0	118.4
167	13.7	11.0	16.4



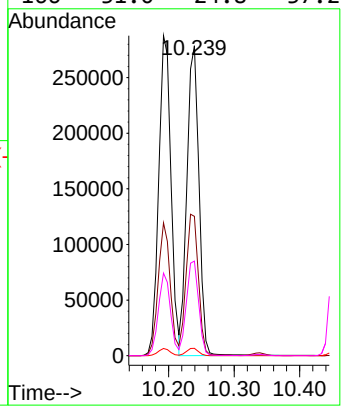


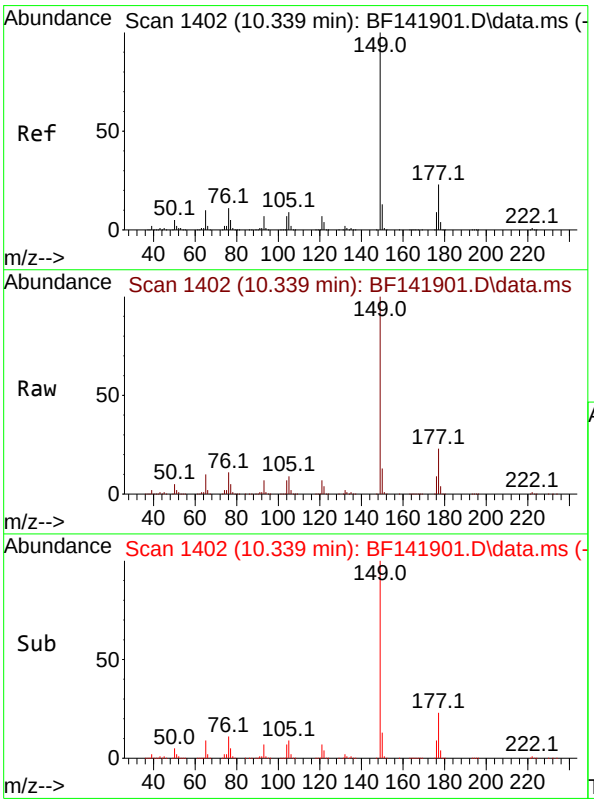
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.225 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 354863

Ion	Ratio	Lower	Upper
232	100		
131	46.6	37.3	55.9
130	2.4	1.9	2.9
166	31.0	24.8	37.2

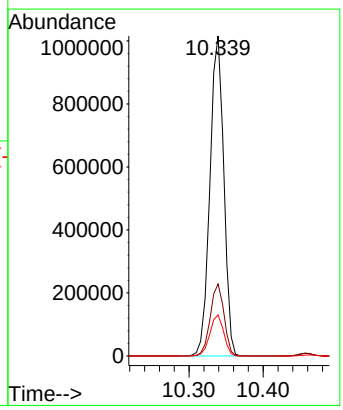


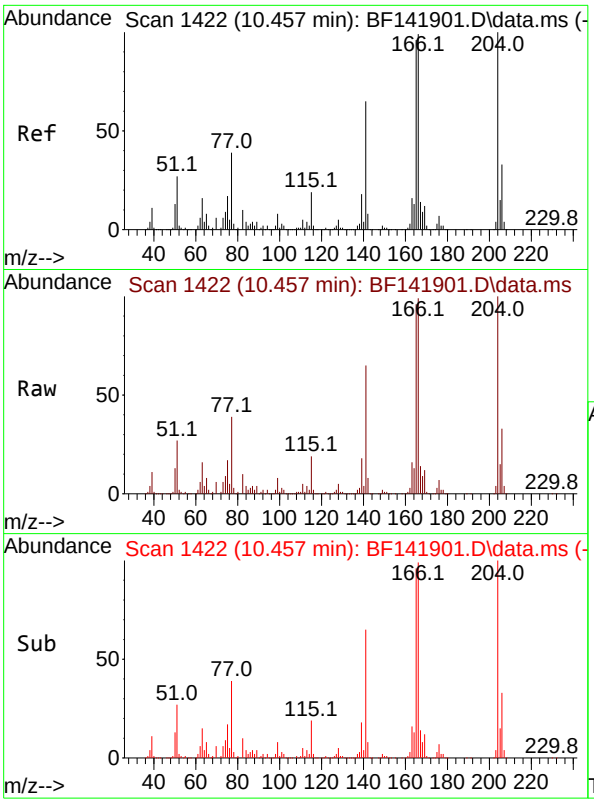


#60
Diethylphthalate
Concen: 38.304 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 1319116

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.8	10.2	15.4



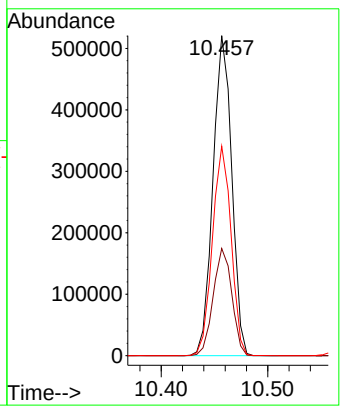


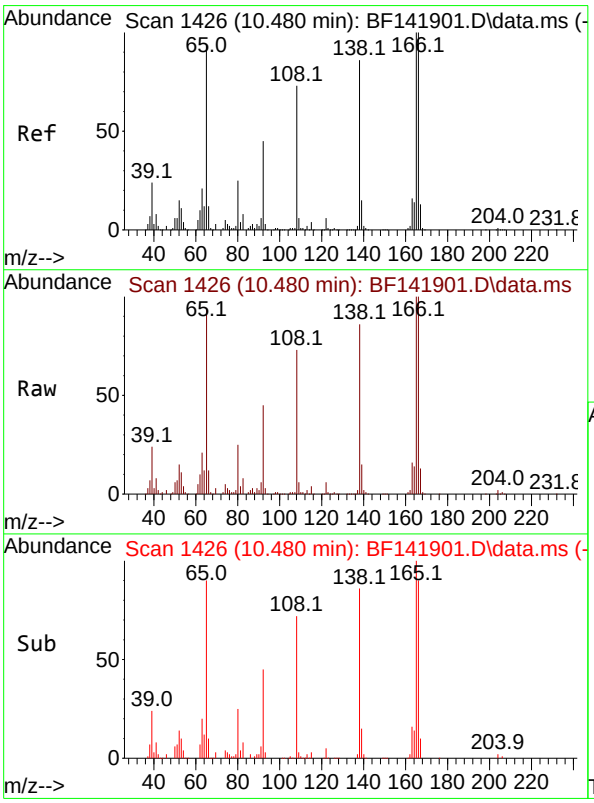
#61
4-Chlorophenyl-phenylether
Concen: 37.950 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 635445

Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.8	40.2
141	65.5	52.4	78.6

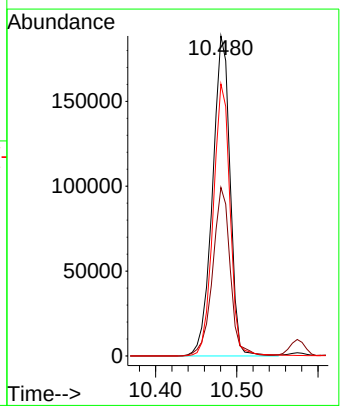


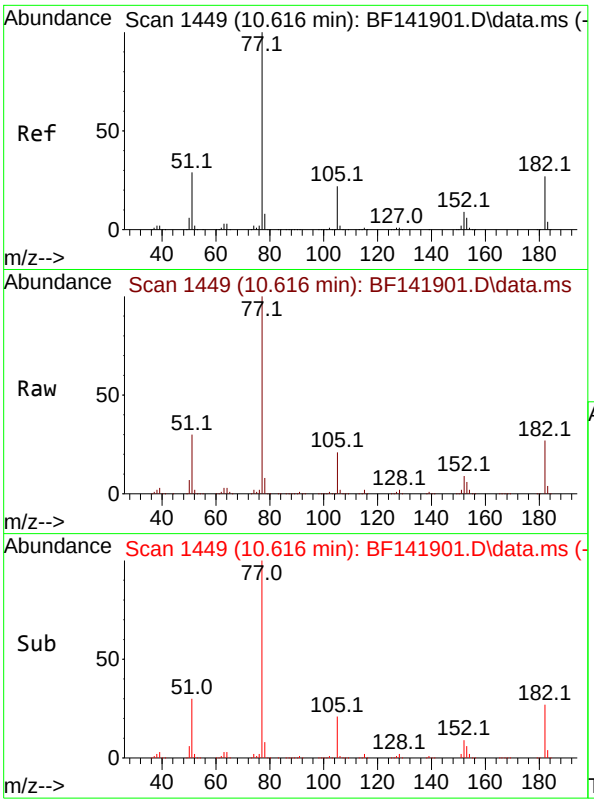


#62
4-Nitroaniline
Concen: 40.097 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:138 Resp: 284615

Ion	Ratio	Lower	Upper
138	100		
92	52.6	32.6	72.6
108	85.0	65.0	105.0



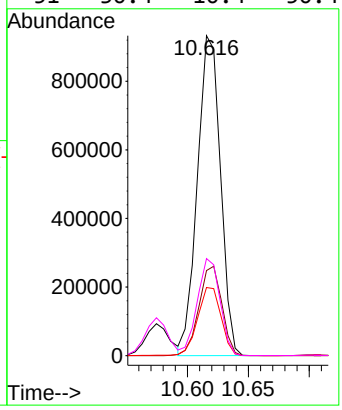


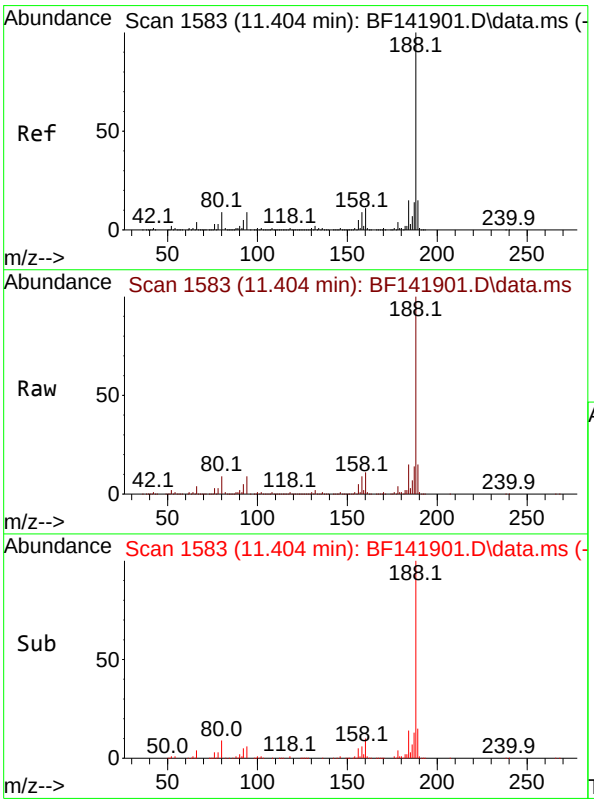
#63
Azobenzene
Concen: 38.432 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1229473

Ion	Ratio	Lower	Upper
77	100		
182	26.6	6.6	46.6
105	21.3	1.3	41.3
51	30.4	10.4	50.4

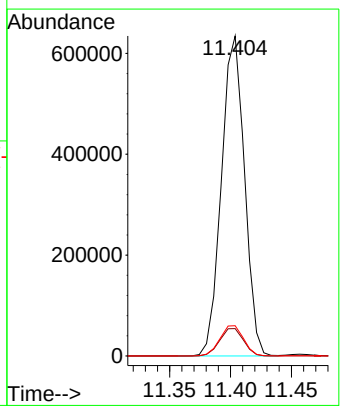


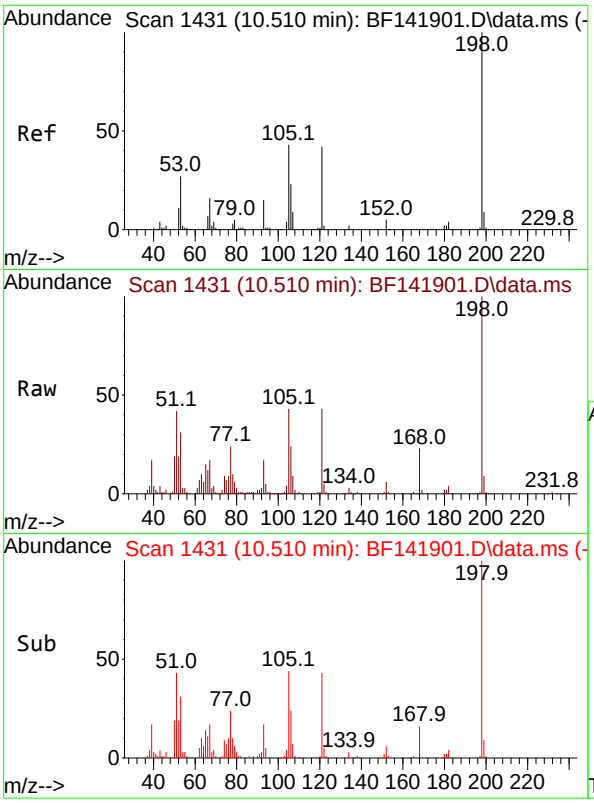


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:188 Resp: 839154

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.5	7.6	11.4



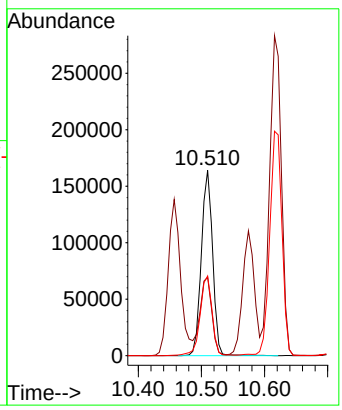


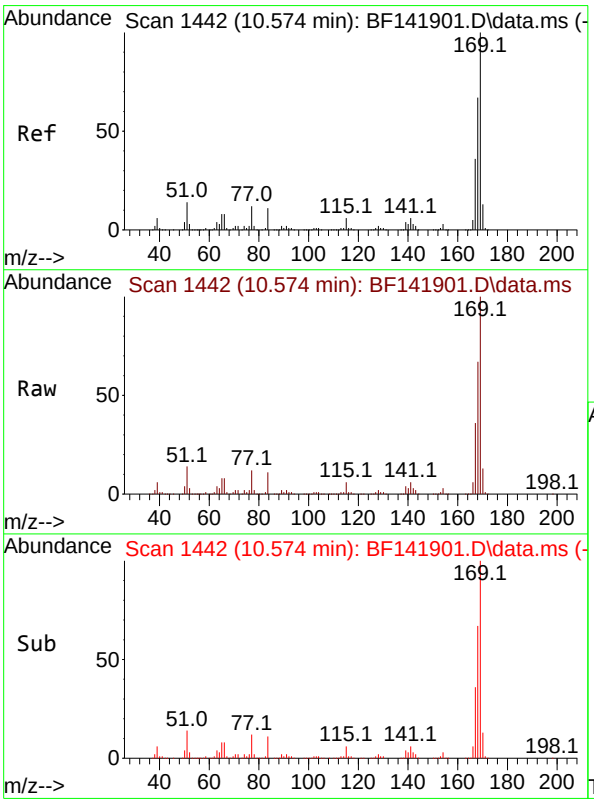
#65
4,6-Dinitro-2-methylphenol
Concen: 40.827 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 203106

Ion	Ratio	Lower	Upper
198	100		
51	42.3	22.3	62.3
105	43.0	23.0	63.0

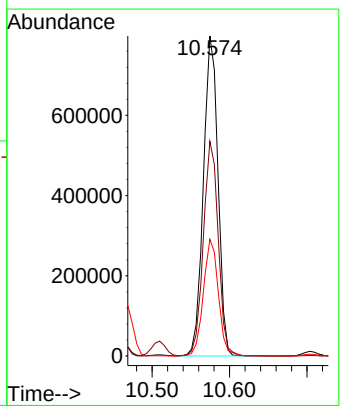


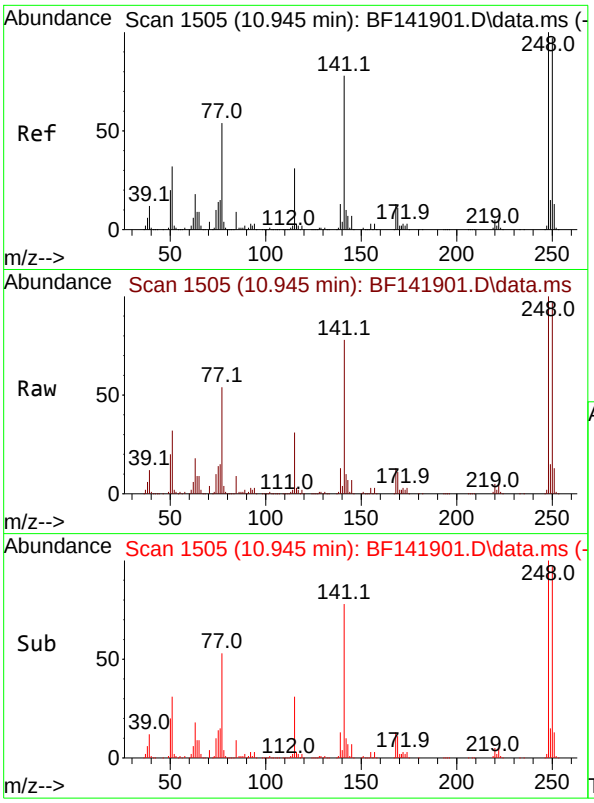


#66
n-Nitrosodiphenylamine
Concen: 38.415 ng
RT: 10.574 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:169 Resp: 1041349

Ion	Ratio	Lower	Upper
169	100		
168	67.1	53.7	80.5
167	36.5	29.2	43.8



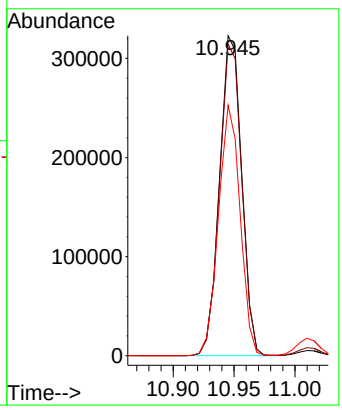


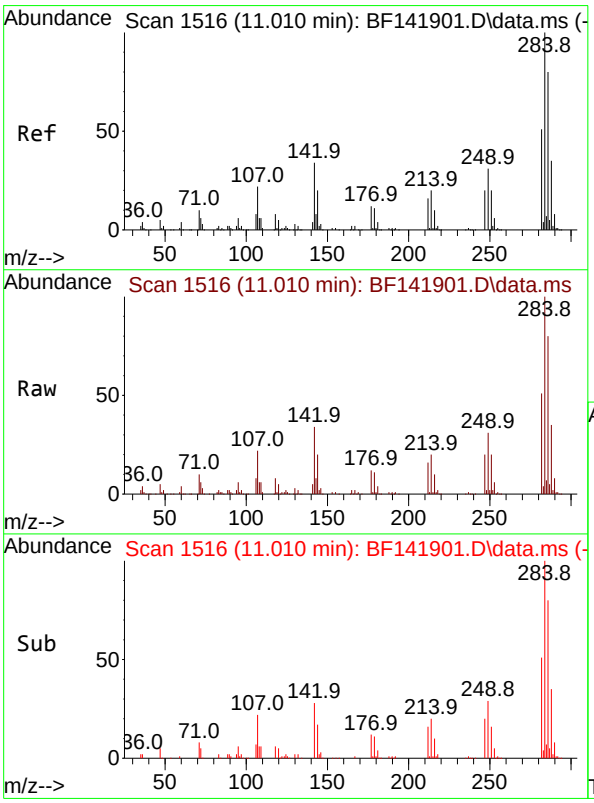
#67
4-Bromophenyl-phenylether
Concen: 39.195 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 409602

Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.8	116.8
141	78.2	62.6	93.8

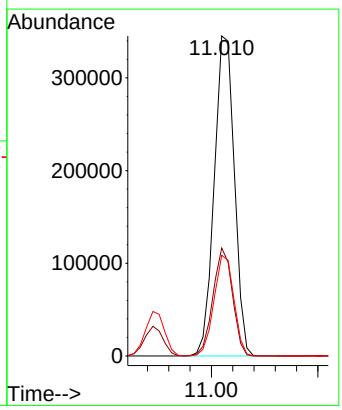


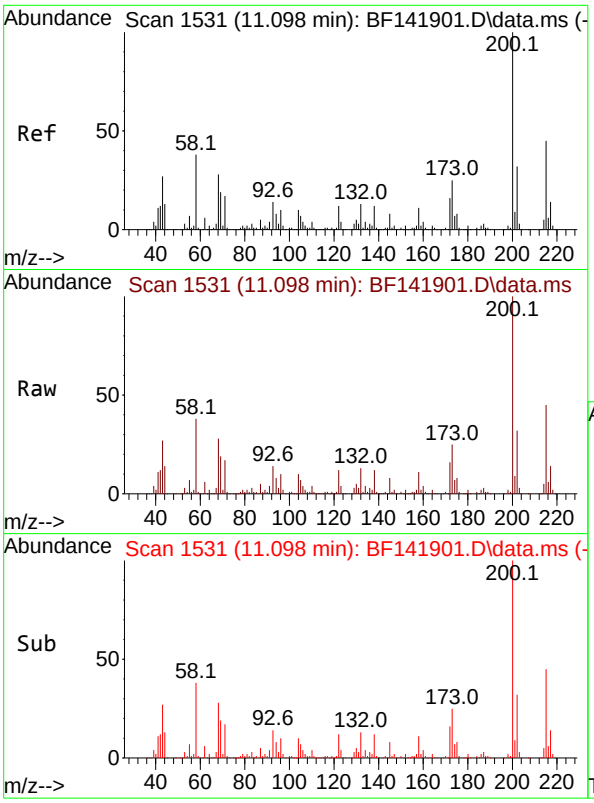


#68
Hexachlorobenzene
Concen: 39.146 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:284 Resp: 452189

Ion	Ratio	Lower	Upper
284	100		
142	33.8	27.0	40.6
249	31.5	25.2	37.8



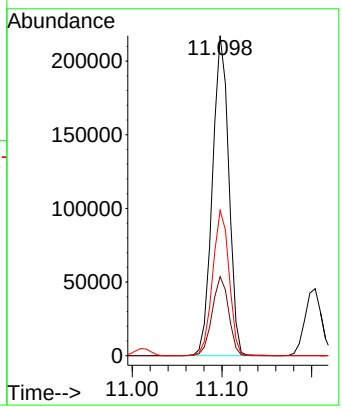


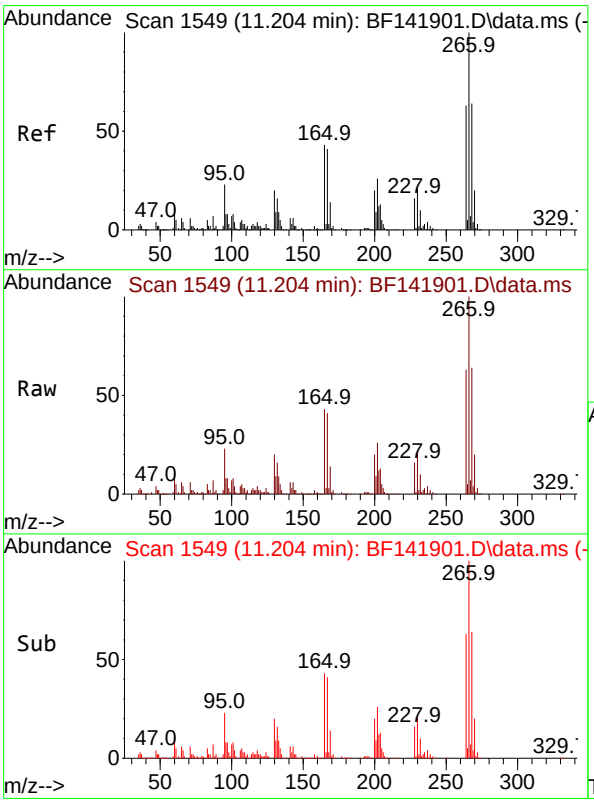
#69
Atrazine
Concen: 41.614 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 275084

Ion	Ratio	Lower	Upper
200	100		
173	24.7	4.7	44.7
215	45.4	25.4	65.4

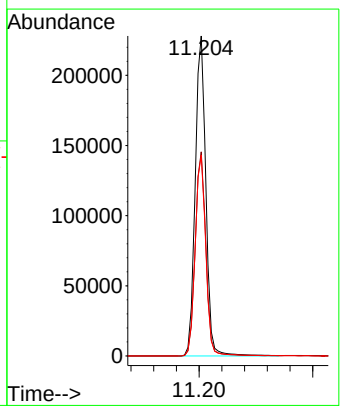


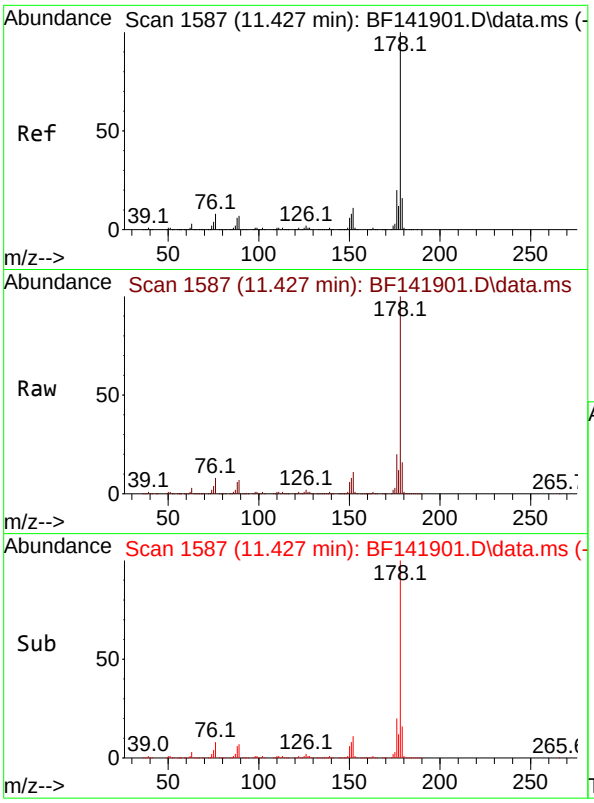


#70
Pentachlorophenol
Concen: 41.818 ng
RT: 11.204 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:266 Resp: 297893

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.6
264	62.7	50.2	75.2



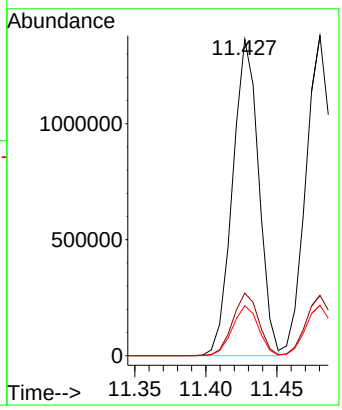


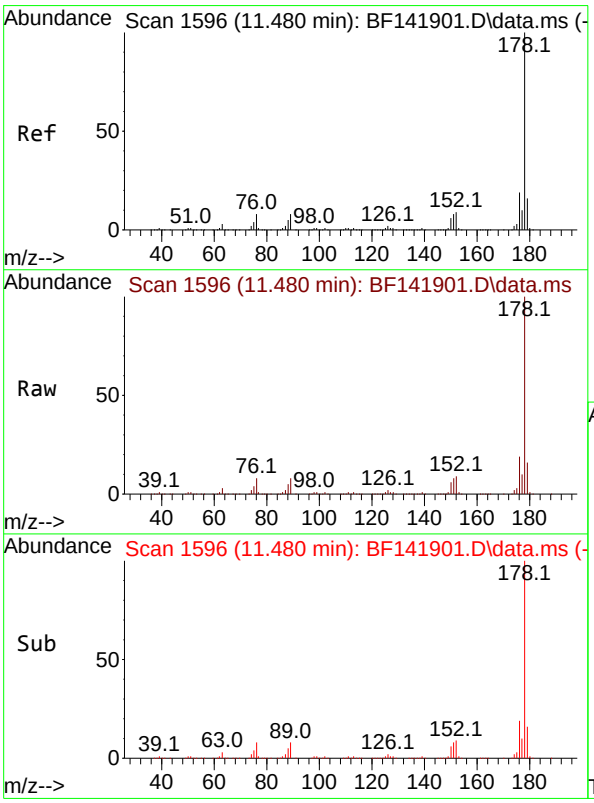
#71
Phenanthrene
Concen: 38.373 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 1741309

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.8	12.6	19.0

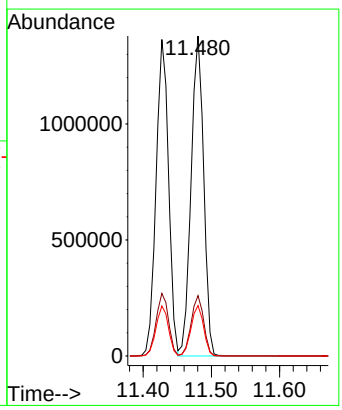


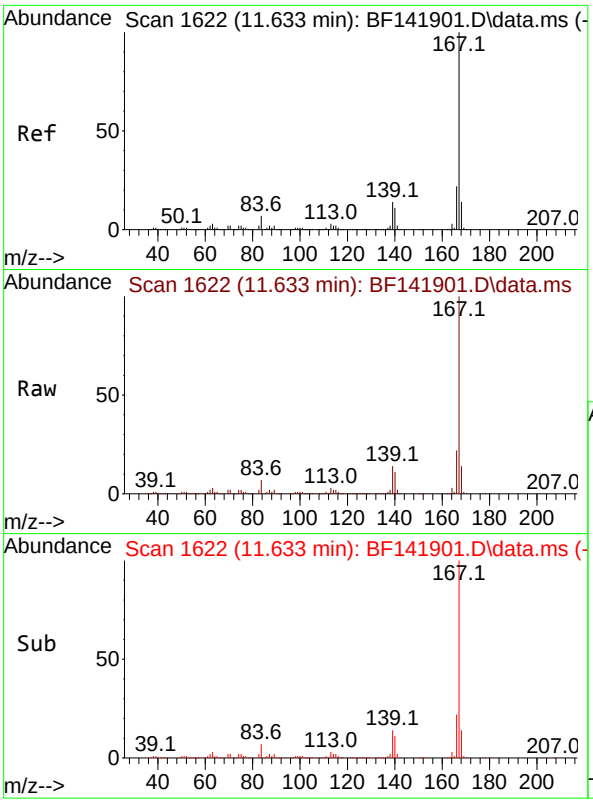


#72
Anthracene
Concen: 38.571 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:178 Resp: 1756035

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.8	12.6	19.0



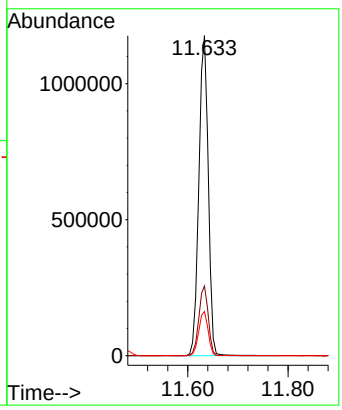


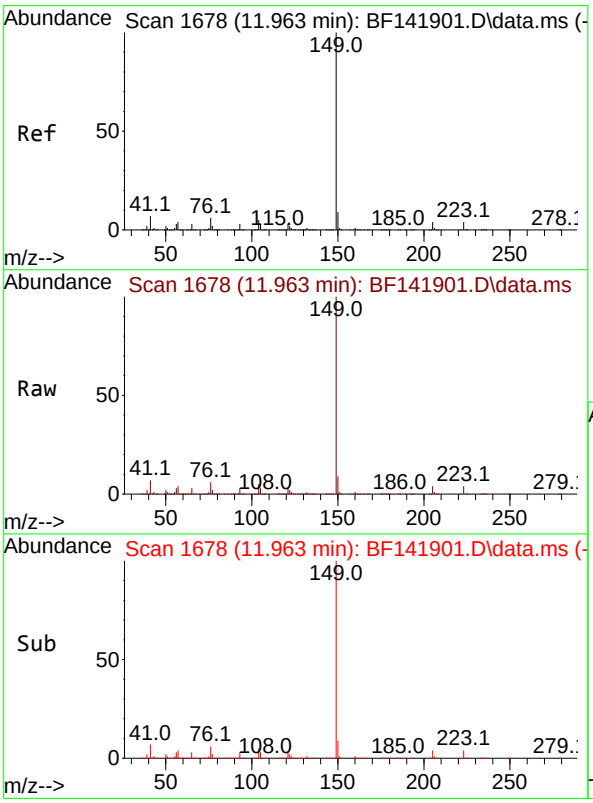
#73
Carbazole
Concen: 38.898 ng
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 1524663

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	13.8	11.0	16.6

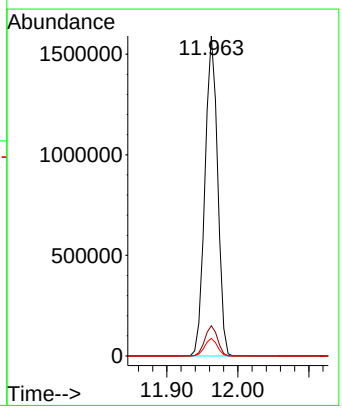


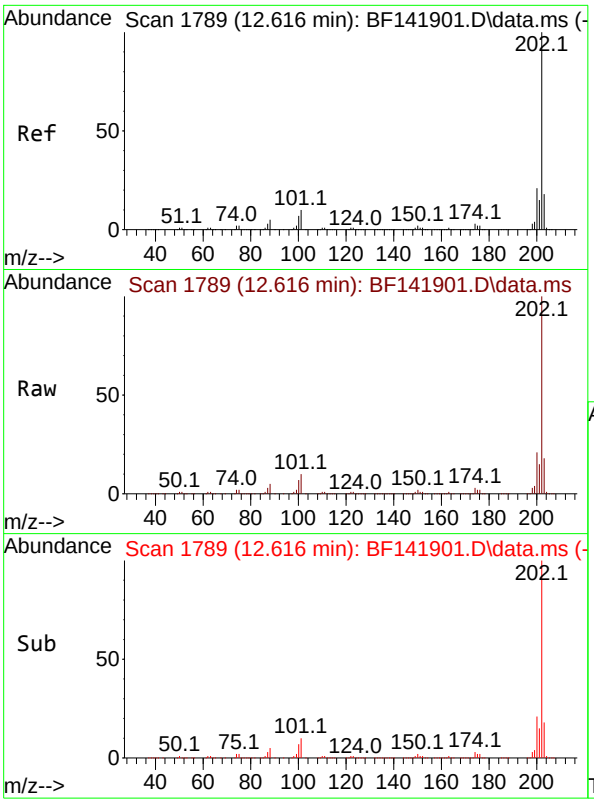


#74
Di-n-butylphthalate
Concen: 38.175 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 1975625

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.6	11.4
104	5.5	4.4	6.6



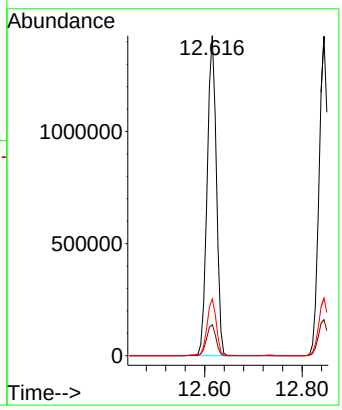


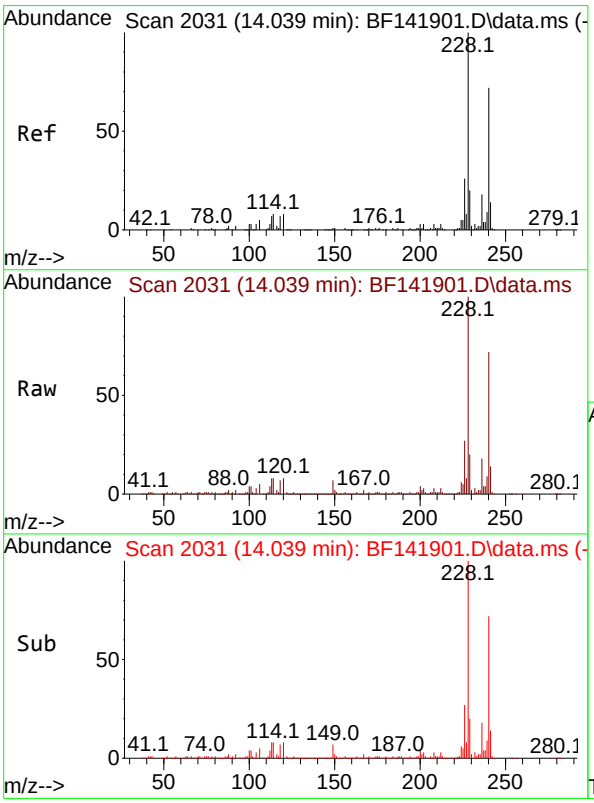
#75
Fluoranthene
Concen: 39.049 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 1860202

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	29.7
203	17.8	0.0	37.8

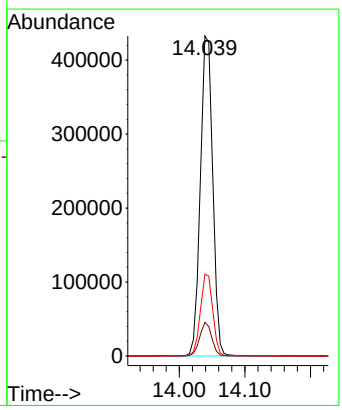


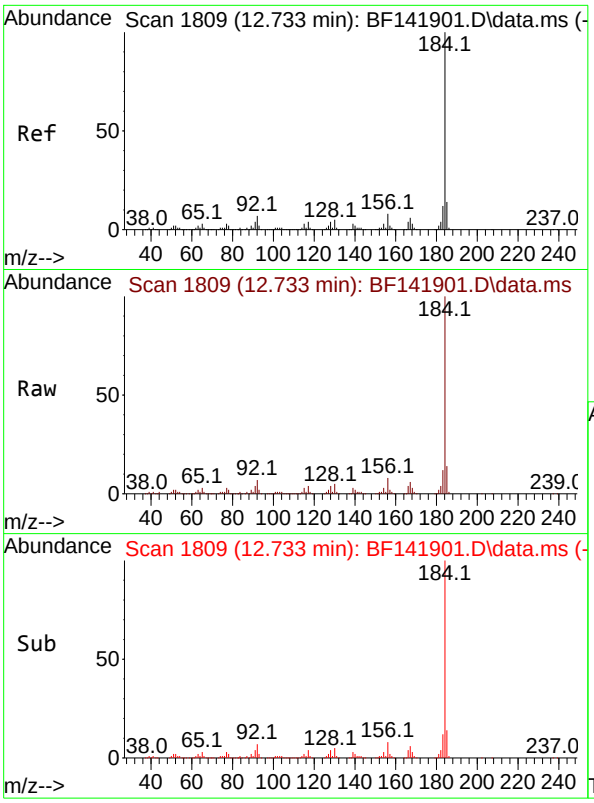


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:240 Resp: 569865

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.4	12.6
236	25.6	20.5	30.7



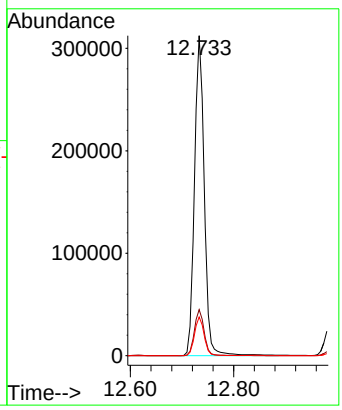


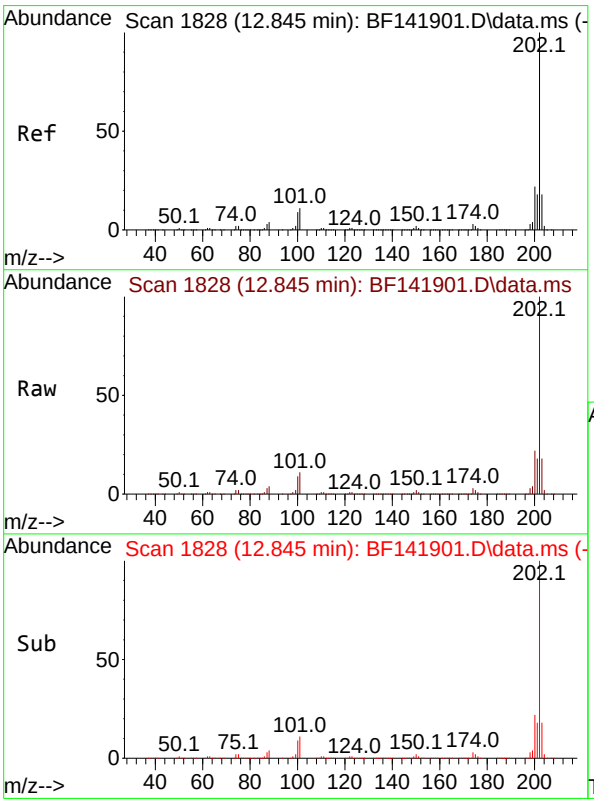
#77
Benzidine
Concen: 50.915 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 410026

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	12.1	9.7	14.5

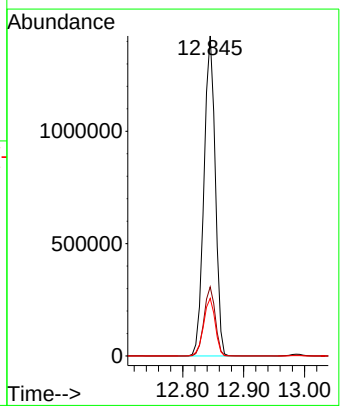


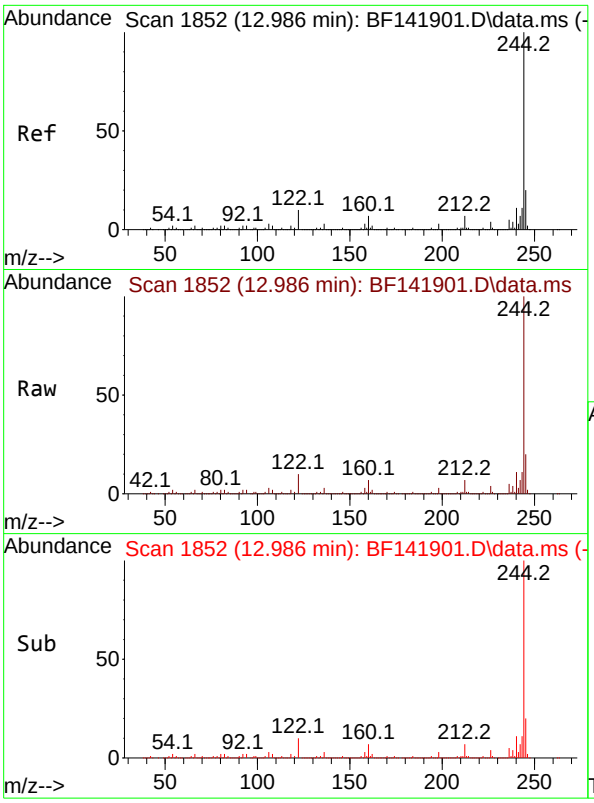


#78
Pyrene
Concen: 37.567 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:202 Resp: 1835917

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.0	14.4	21.6



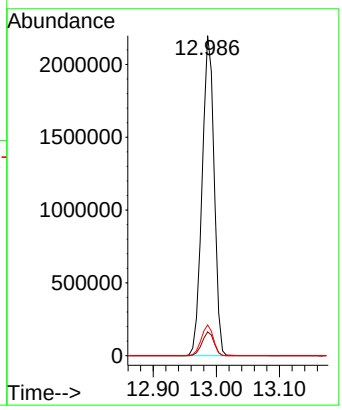


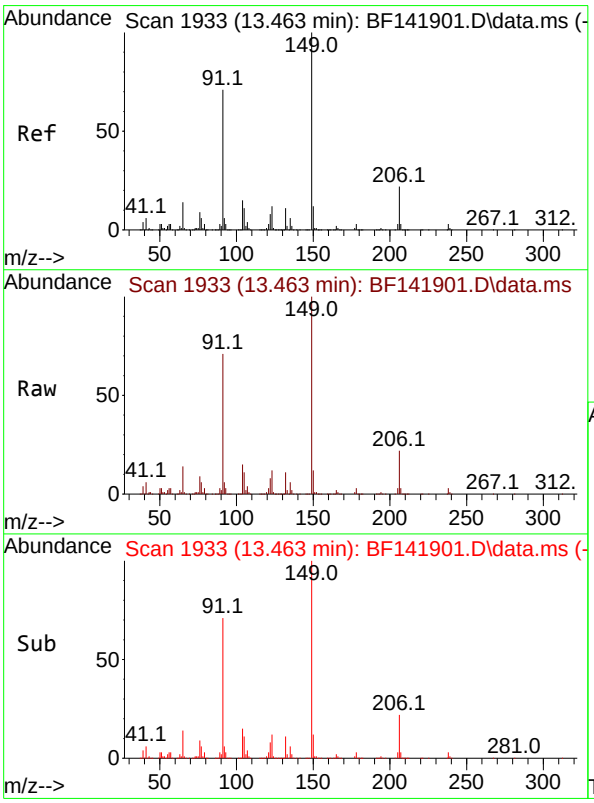
#79
Terphenyl-d14
Concen: 75.440 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 2908357

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	9.6	7.7	11.5

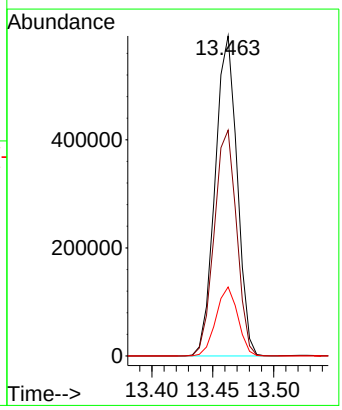


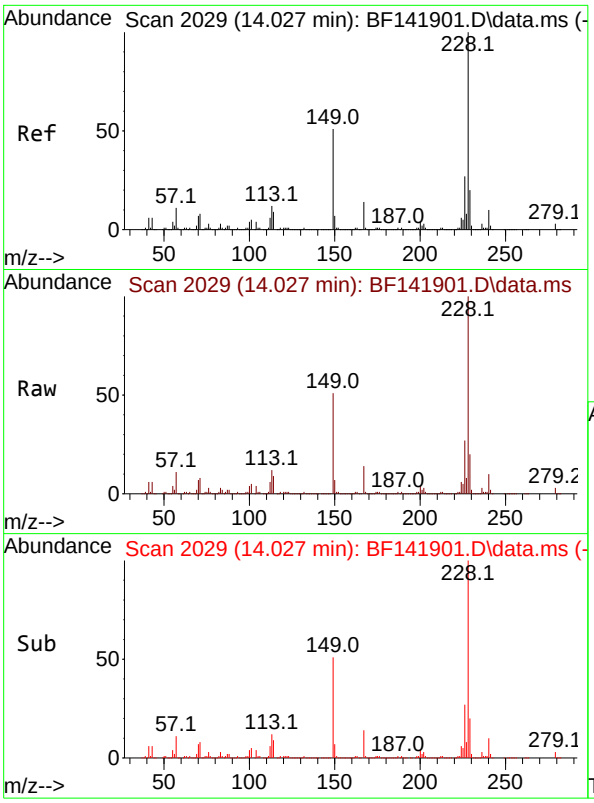


#80
Butylbenzylphthalate
Concen: 38.769 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 746613

Ion	Ratio	Lower	Upper
149	100		
91	70.6	56.5	84.7
206	21.6	17.3	25.9



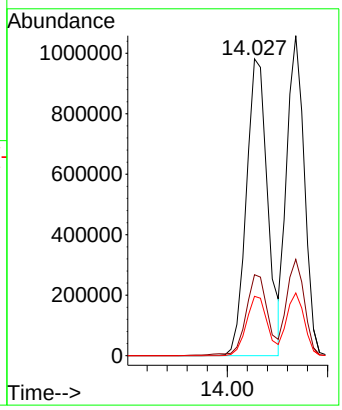


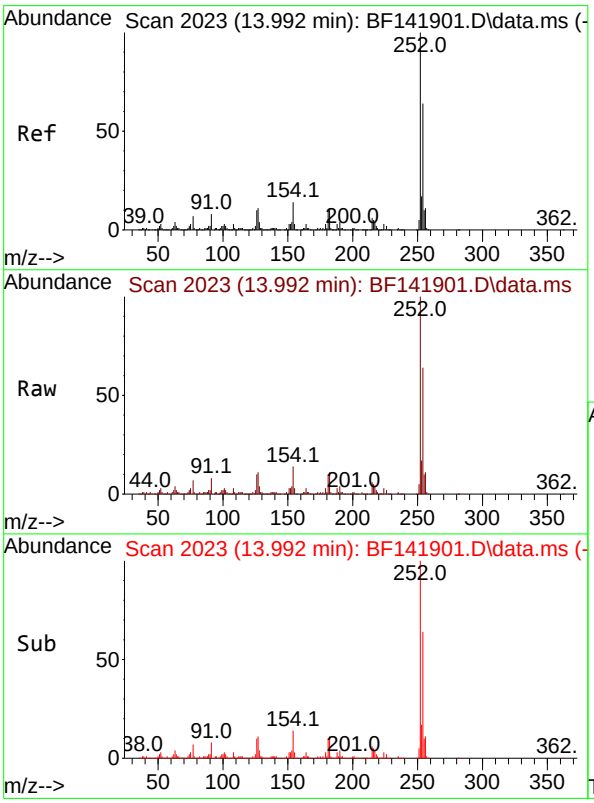
#81
Benzo(a)anthracene
Concen: 38.713 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 1451332

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	16.0	24.0

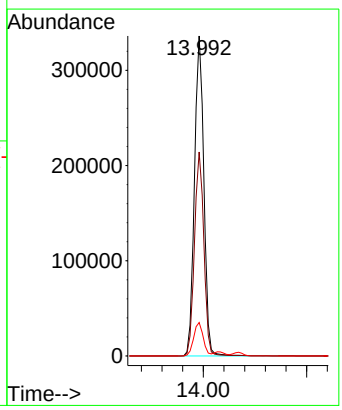


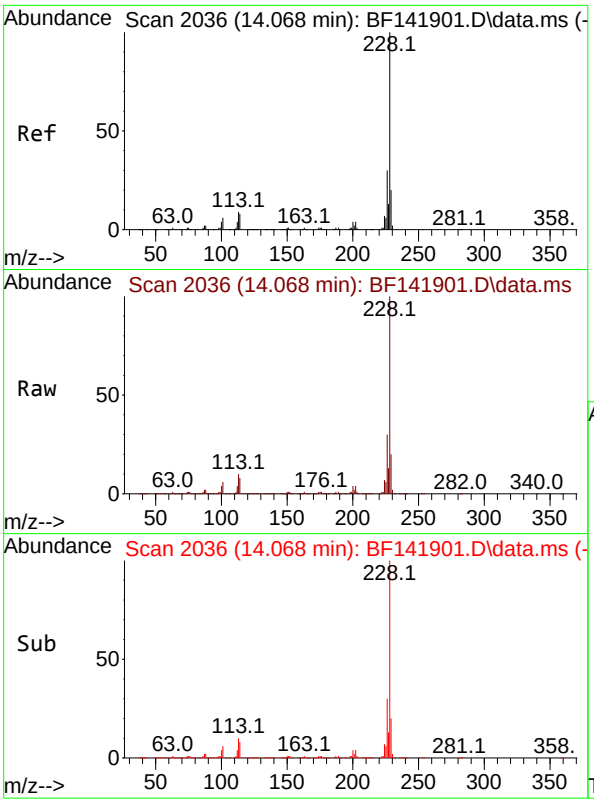


#82
3,3'-Dichlorobenzidine
Concen: 39.114 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:252 Resp: 423835

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	10.5	8.4	12.6



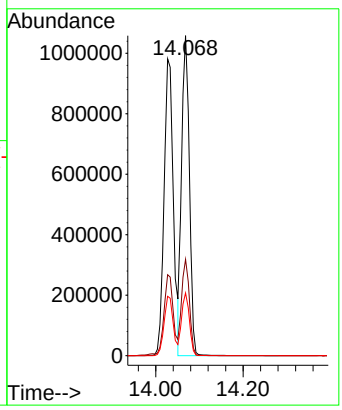


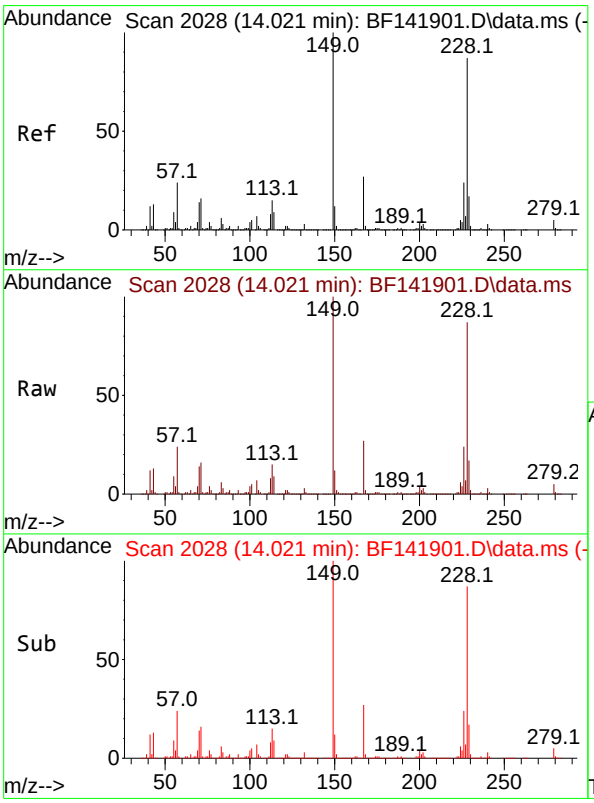
#83
Chrysene
Concen: 38.439 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 1294538

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.6	15.7	23.5

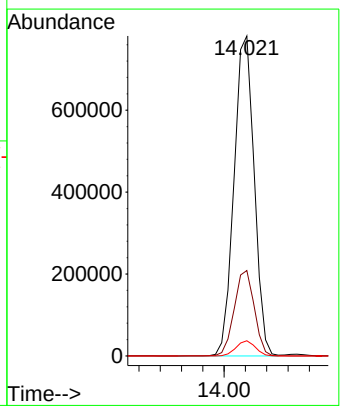


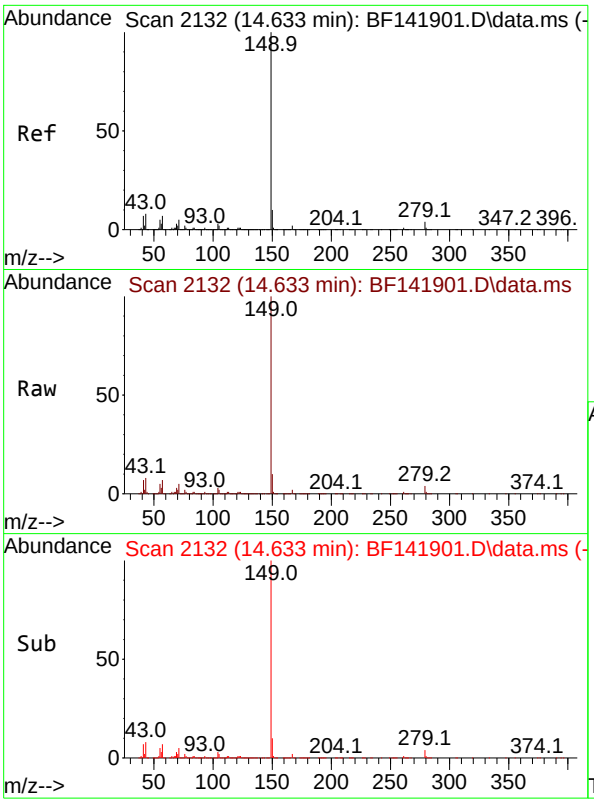


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.985 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 1029987

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	4.7	3.8	5.6



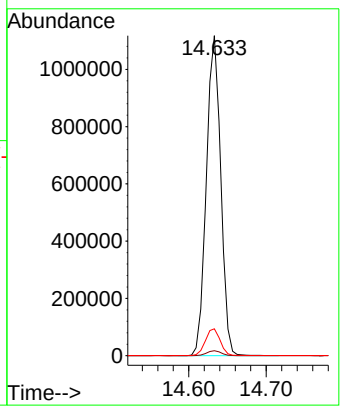


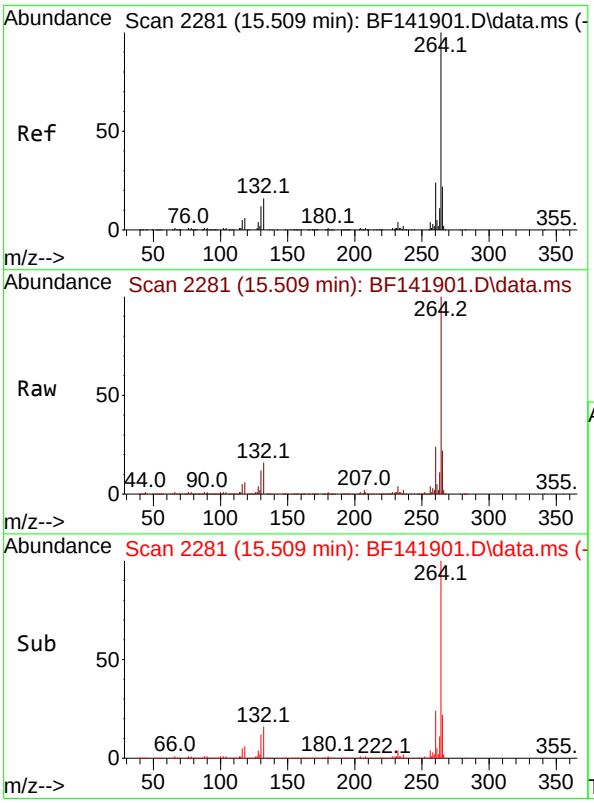
#85
Di-n-octyl phthalate
Concen: 39.193 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 1441248

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	6.9	10.3

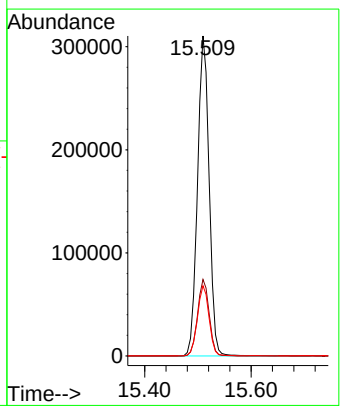


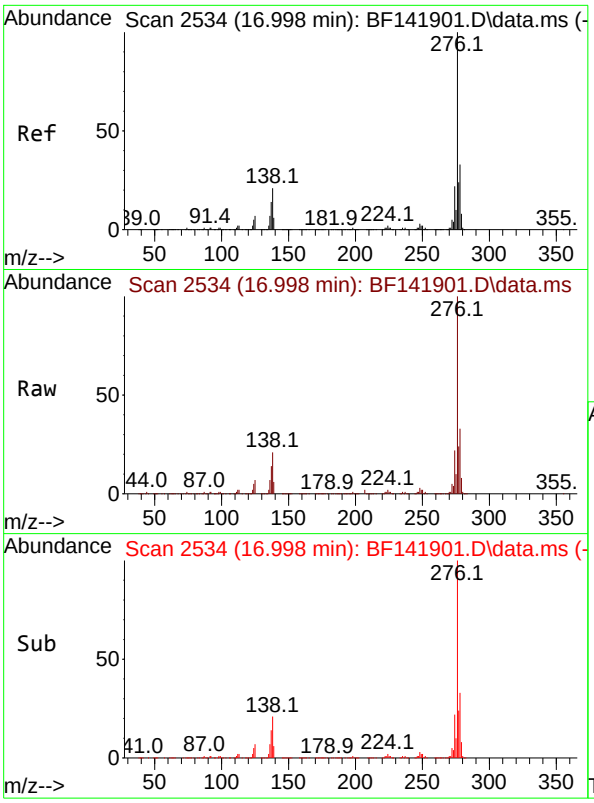


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:264 Resp: 469286

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.9	17.5	26.3



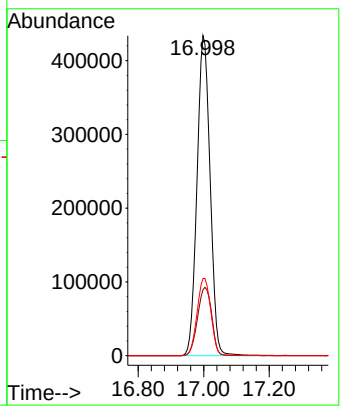


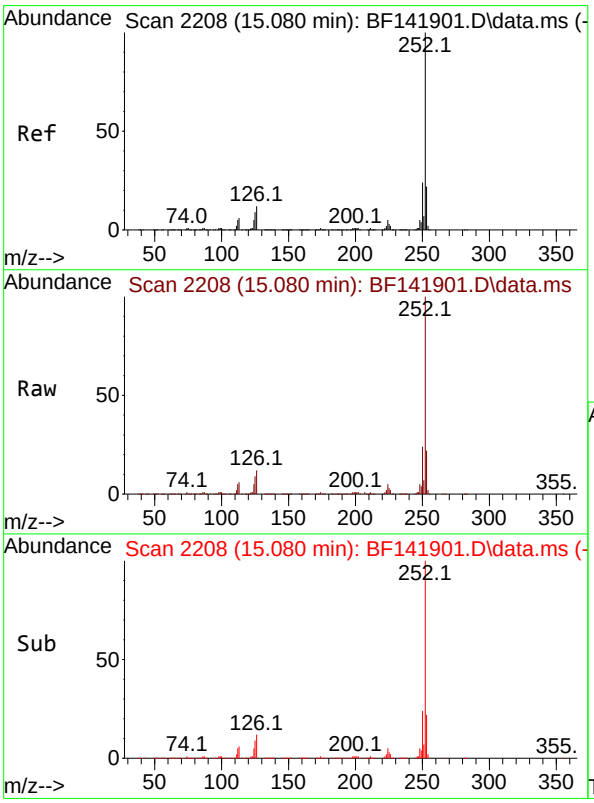
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.681 ng
RT: 16.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 1207616

Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.4	27.6
277	25.4	20.3	30.5

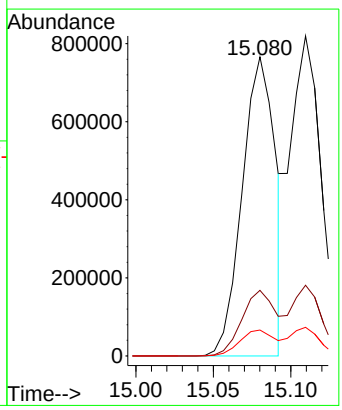


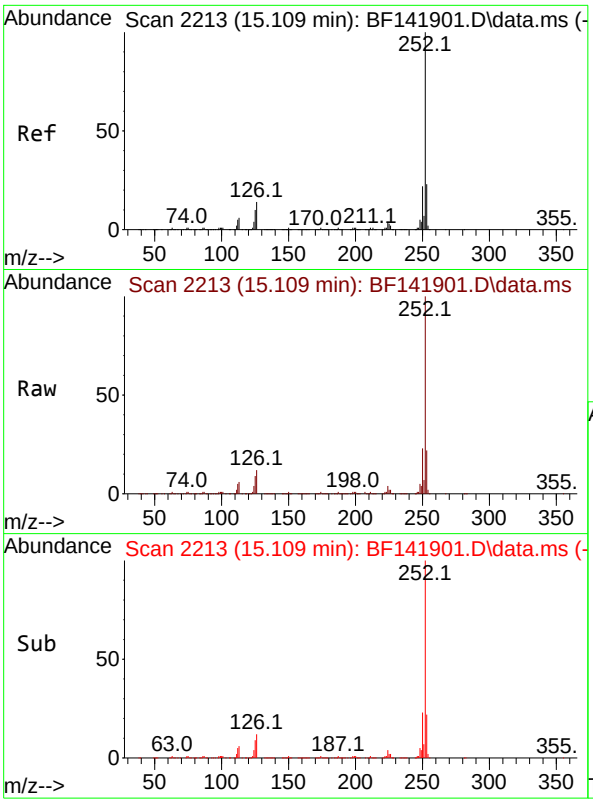


#88
Benzo(b)fluoranthene
Concen: 35.673 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:252 Resp: 1135547

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.7	7.0	10.4



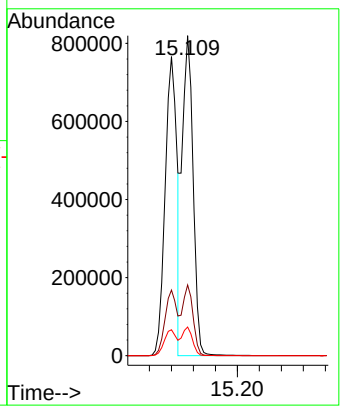


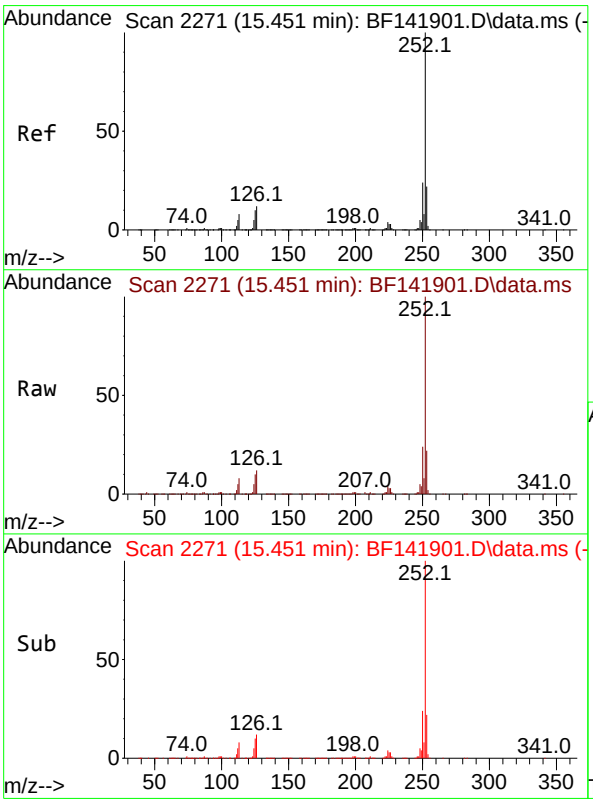
#89
Benzo(k)fluoranthene
Concen: 40.661 ng
RT: 15.109 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 1130615

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.0	7.2	10.8

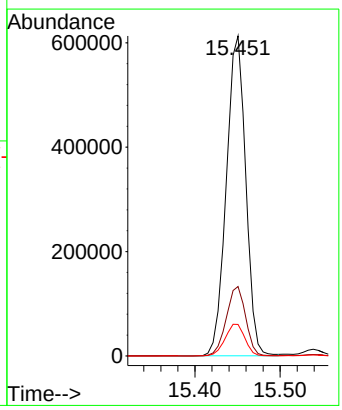


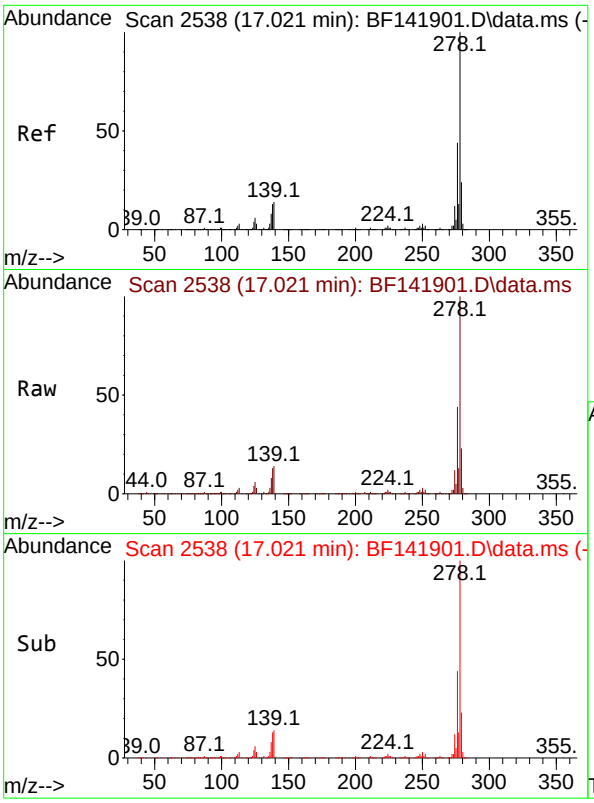


#90
Benzo(a)pyrene
Concen: 38.727 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:252 Resp: 972220

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	9.8	7.8	11.8



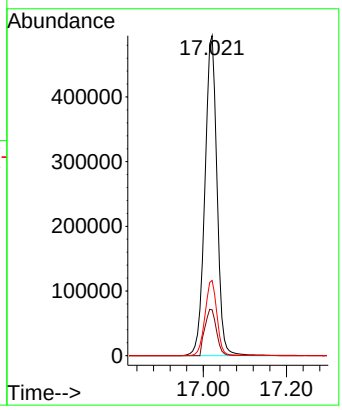


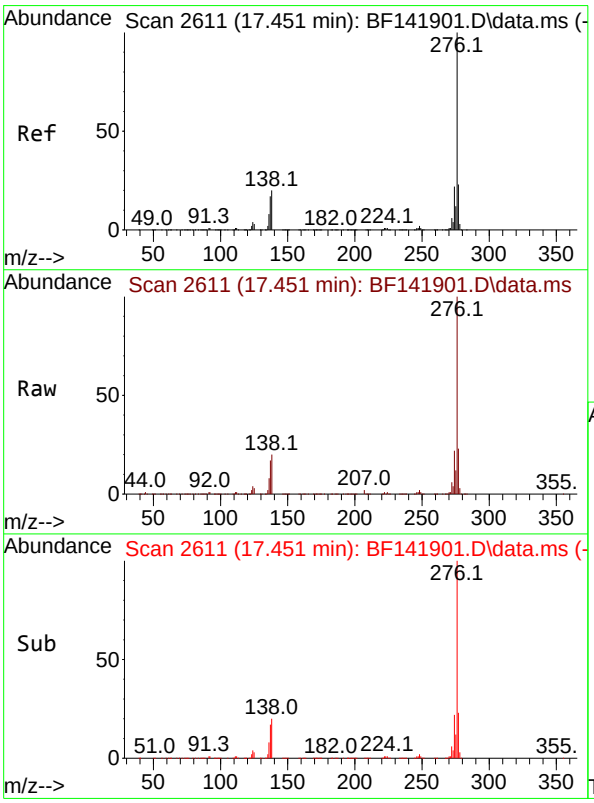
#91
Dibenzo(a,h)anthracene
Concen: 39.933 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 1002747

Ion	Ratio	Lower	Upper
278	100		
139	14.3	11.4	17.2
279	23.5	18.8	28.2

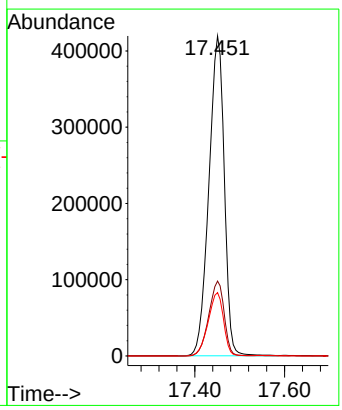




#92
Benzo(g,h,i)perylene
Concen: 40.149 ng
RT: 17.451 min Scan# 2611
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:276 Resp: 999947

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	19.8	15.8	23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Mar 10 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	216861	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	872222	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	497194	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	827202	20.000	ng		0.00
76) Chrysene-d12	14.045	240	468454	20.000	ng		0.00
86) Perylene-d12	15.509	264	407346	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1490872	114.705	ng		0.00
7) Phenol-d6	6.510	99	1913610	115.601	ng		0.00
23) Nitrobenzene-d5	7.451	82	1899726	122.074	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	791365	125.609	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	3716590	113.827	ng		0.00
79) Terphenyl-d14	12.992	244	3982780	125.675	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	325927	59.832	ng		99
3) Pyridine	3.440	79	786537	58.753	ng		99
4) n-Nitrosodimethylamine	3.404	42	386646	60.759	ng		100
6) Aniline	6.551	93	933875	57.146	ng		99
8) 2-Chlorophenol	6.669	128	835549	58.000	ng		97
9) Benzaldehyde	6.434	77	465511	50.311	ng		100
10) Phenol	6.528	94	996848	57.074	ng		95
11) bis(2-Chloroethyl)ether	6.622	93	765071	58.464	ng		99
12) 1,3-Dichlorobenzene	6.828	146	911340	58.540	ng		99
13) 1,4-Dichlorobenzene	6.904	146	923545	58.635	ng		99
14) 1,2-Dichlorobenzene	7.057	146	873604	58.898	ng		99
15) Benzyl Alcohol	7.028	79	810347	60.480	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	957808	60.730	ng		99
17) 2-Methylphenol	7.134	107	701676	61.285	ng		99
18) Hexachloroethane	7.398	117	364561	61.734	ng		96
19) n-Nitroso-di-n-propyla...	7.304	70	644501	60.576	ng		99
20) 3+4-Methylphenols	7.292	107	868157	59.116	ng	#	81
22) Acetophenone	7.298	105	1226859	58.635	ng		97
24) Nitrobenzene	7.469	77	939508	60.889	ng		100
25) Isophorone	7.710	82	1695749	61.720	ng		100
26) 2-Nitrophenol	7.781	139	491301	64.978	ng		98
27) 2,4-Dimethylphenol	7.816	122	639505	61.408	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	1039951	60.422	ng		99
29) 2,4-Dichlorophenol	8.022	162	791904	61.272	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	870403	61.044	ng		99
31) Naphthalene	8.186	128	2545181	56.961	ng		99
32) Benzoic acid	7.951	122	634105	69.664	ng		99
33) 4-Chloroaniline	8.233	127	920015	58.348	ng		99
34) Hexachlorobutadiene	8.304	225	559955	60.397	ng		99
35) Caprolactam	8.628	113	235861	60.015	ng		95
36) 4-Chloro-3-methylphenol	8.716	107	874022	60.807	ng		98
37) 2-Methylnaphthalene	8.875	142	1744374	58.187	ng		99
38) 1-Methylnaphthalene	8.975	142	1692113	58.285	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	903928	59.627	ng		99
41) Hexachlorocyclopentadiene	9.028	237	375919	62.842	ng		100
43) 2,4,6-Trichlorophenol	9.151	196	597686	60.479	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Mar 10 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

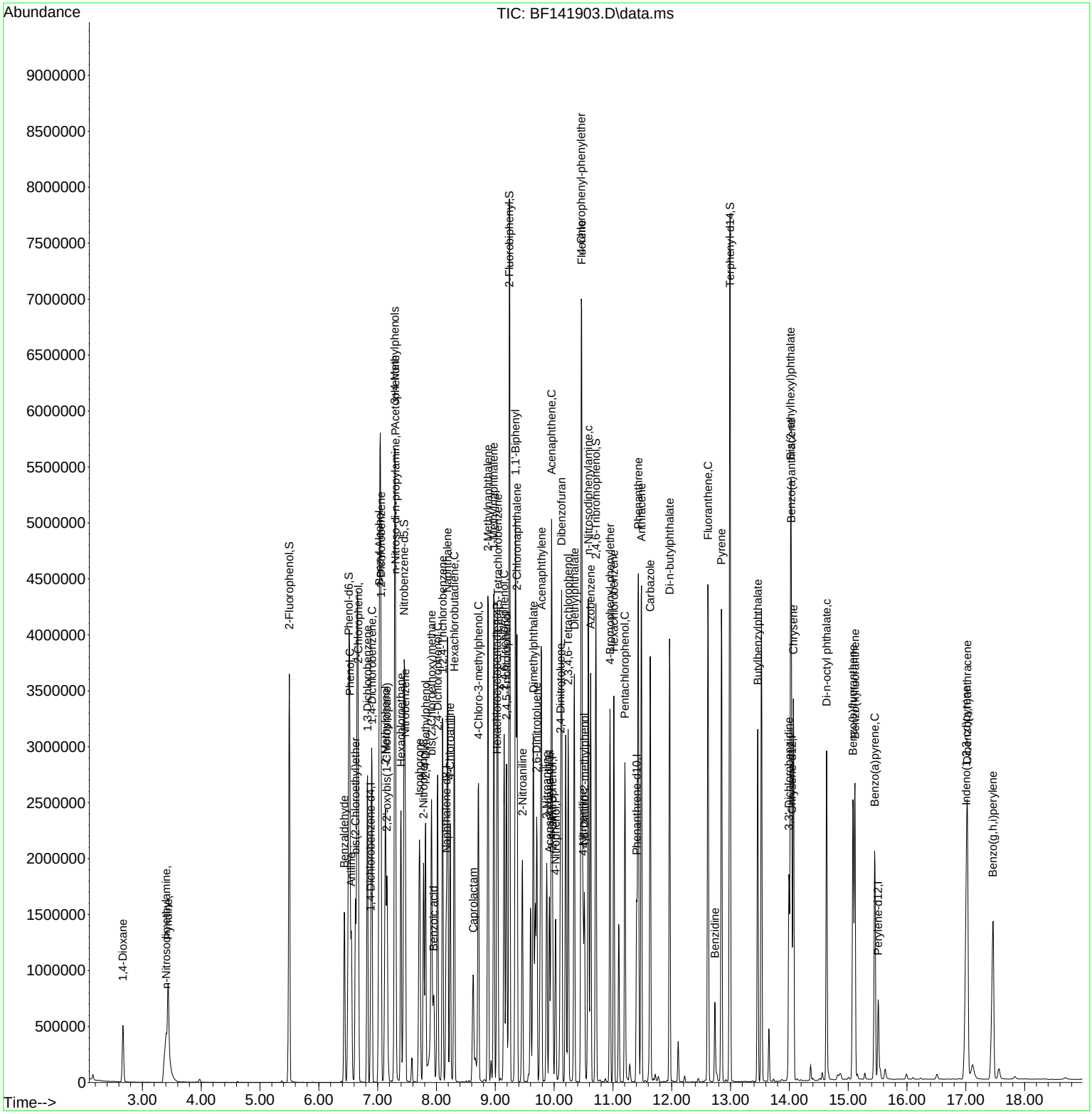
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	618930	61.642	ng		99
46) 1,1'-Biphenyl	9.345	154	2134829	56.634	ng		99
47) 2-Chloronaphthalene	9.369	162	1625973	57.879	ng		100
48) 2-Nitroaniline	9.463	65	495229	61.368	ng		99
49) Acenaphthylene	9.786	152	2379216	57.125	ng		99
50) Dimethylphthalate	9.651	163	2006480	58.083	ng		100
51) 2,6-Dinitrotoluene	9.704	165	441383	61.441	ng		99
52) Acenaphthene	9.957	154	1737049	59.065	ng		99
53) 3-Nitroaniline	9.875	138	449553	60.945	ng		100
54) 2,4-Dinitrophenol	9.975	184	240530	60.329	ng	#	74
55) Dibenzofuran	10.127	168	2380973	56.781	ng		100
56) 4-Nitrophenol	10.027	139	343657	62.021	ng		98
57) 2,4-Dinitrotoluene	10.110	165	571731	60.461	ng		98
58) Fluorene	10.469	166	1840654	56.859	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	546621	60.002	ng		100
60) Diethylphthalate	10.345	149	1995827	57.552	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	977819	57.993	ng		97
62) 4-Nitroaniline	10.492	138	426741	59.702	ng		100
63) Azobenzene	10.622	77	1829282	56.784	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	330315	67.356	ng		98
66) n-Nitrosodiphenylamine	10.580	169	1583832	59.270	ng		100
67) 4-Bromophenyl-phenylether	10.951	248	608246	59.044	ng		98
68) Hexachlorobenzene	11.016	284	673465	59.144	ng		97
70) Pentachlorophenol	11.204	266	462709	65.893	ng		100
71) Phenanthrene	11.433	178	2560092	57.232	ng		100
72) Anthracene	11.486	178	2570717	57.281	ng		100
73) Carbazole	11.633	167	2213331	57.284	ng		99
74) Di-n-butylphthalate	11.963	149	2916048	57.161	ng		99
75) Fluoranthene	12.616	202	2628993	55.984	ng		99
77) Benzidine	12.733	184	386007	58.309	ng		99
78) Pyrene	12.845	202	2562337	63.781	ng		99
80) Butylbenzylphthalate	13.463	149	1008043	63.676	ng		100
81) Benzo(a)anthracene	14.033	228	1850347	60.040	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	553078	62.091	ng		100
83) Chrysene	14.068	228	1705257	61.596	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	1337474	61.582	ng		99
85) Di-n-octyl phthalate	14.633	149	1953184	64.613	ng		99
87) Indeno(1,2,3-cd)pyrene	17.009	276	1799372	68.115	ng		100
88) Benzo(b)fluoranthene	15.080	252	1698744	61.481	ng		99
89) Benzo(k)fluoranthene	15.115	252	1478389	61.253	ng		100
90) Benzo(a)pyrene	15.451	252	1323726	60.747	ng		99
91) Dibenzo(a,h)anthracene	17.027	278	1459934	66.981	ng		99
92) Benzo(g,h,i)perylene	17.462	276	1425582	65.942	ng		99

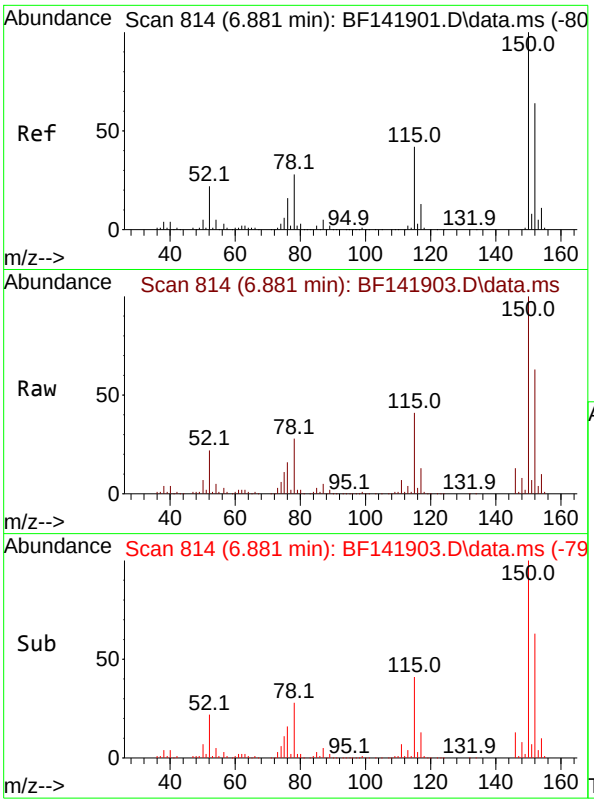
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Mar 10 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



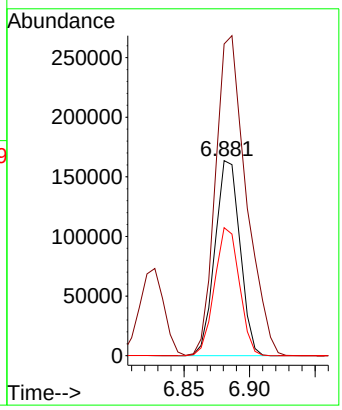


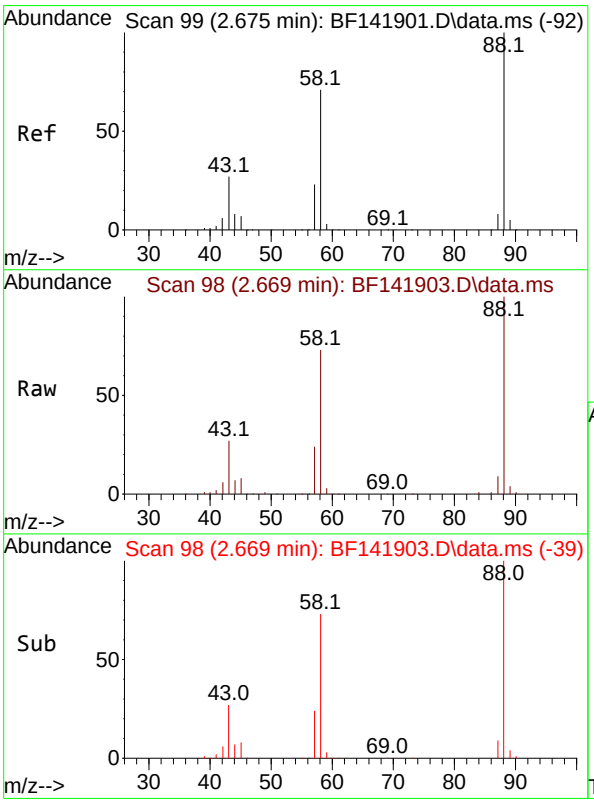
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 216861

Ion	Ratio	Lower	Upper
152	100		
150	159.8	127.4	191.2
115	65.7	51.9	77.9

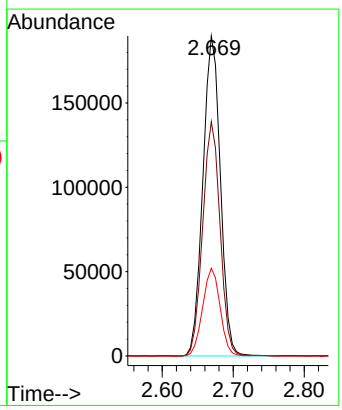


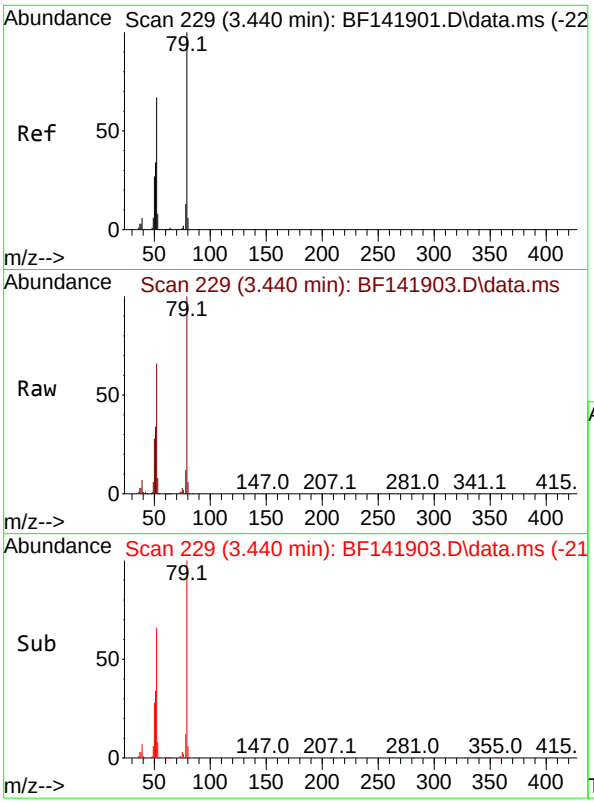


#2
1,4-Dioxane
Concen: 59.832 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 88 Resp: 325927

Ion	Ratio	Lower	Upper
88	100		
58	72.5	57.4	86.2
43	27.4	21.5	32.3



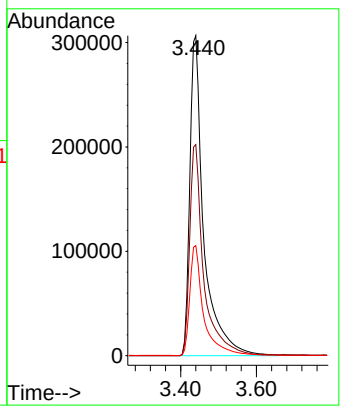


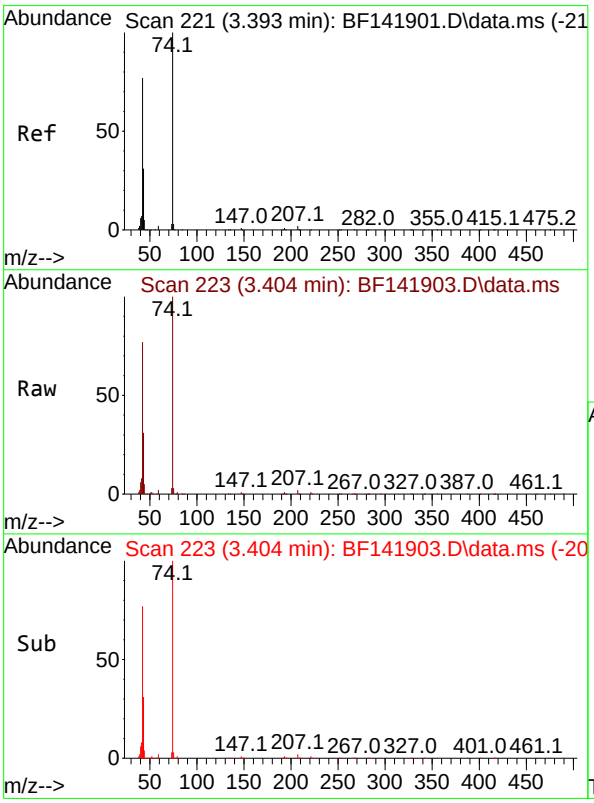
#3
Pyridine
Concen: 58.753 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 786537

Ion	Ratio	Lower	Upper
79	100		
52	65.9	53.3	79.9
51	34.4	27.6	41.4

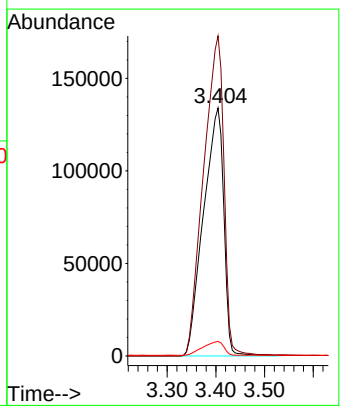


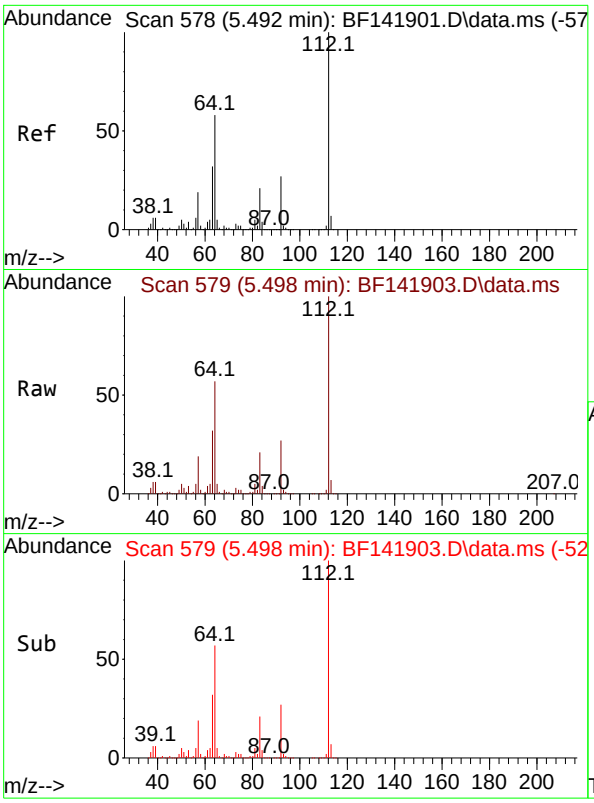


#4
n-Nitrosodimethylamine
Concen: 60.759 ng
RT: 3.404 min Scan# 223
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 42 Resp: 386646

Ion	Ratio	Lower	Upper
42	100		
74	129.0	103.4	155.0
44	5.8	5.0	7.4



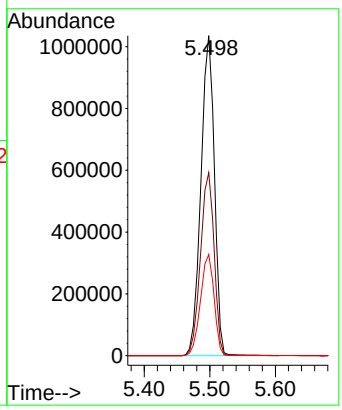


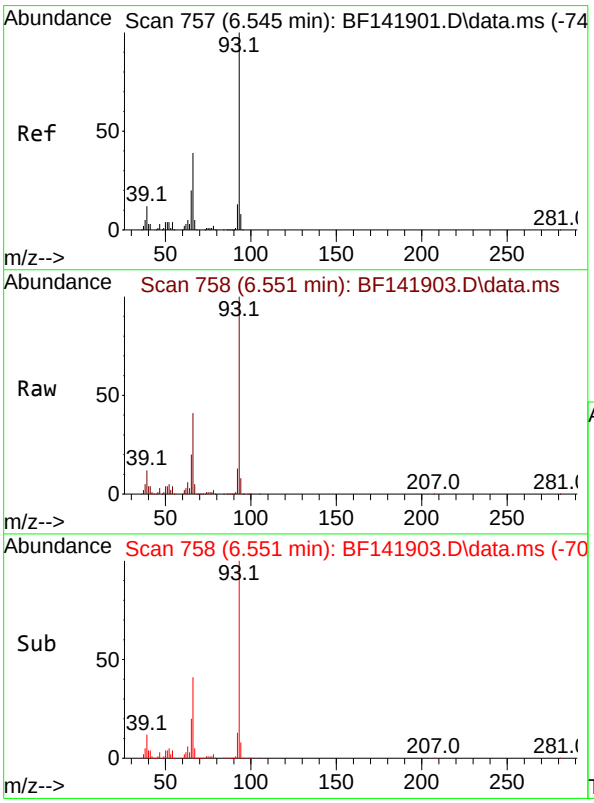
#5
2-Fluorophenol
Concen: 114.705 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1490872

Ion	Ratio	Lower	Upper
112	100		
64	57.2	46.5	69.7
63	31.6	25.4	38.2

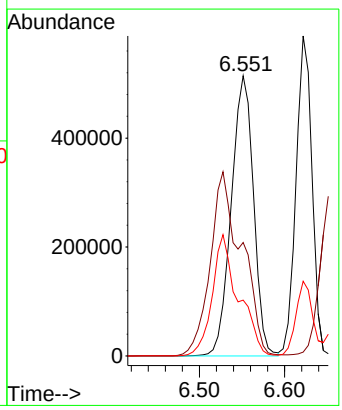


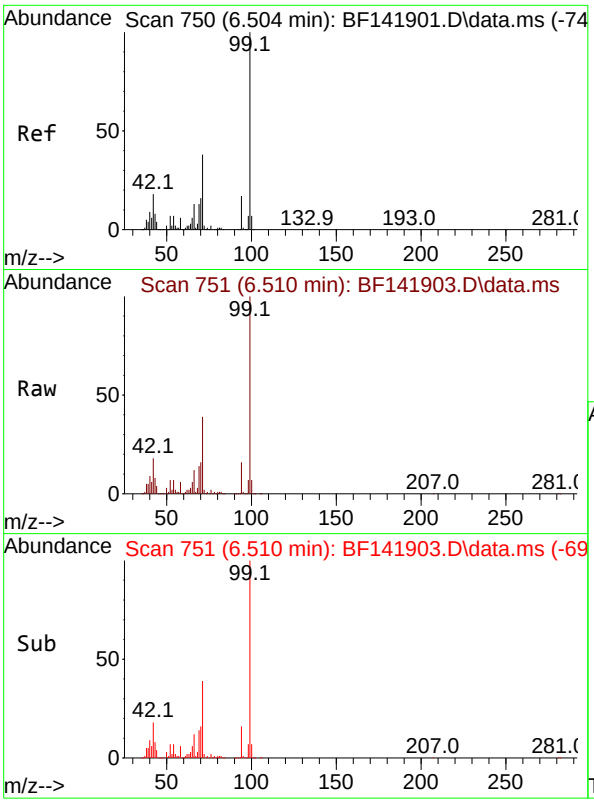


#6
Aniline
Concen: 57.146 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 93 Resp: 933875

Ion	Ratio	Lower	Upper
93	100		
66	40.5	31.9	47.9
65	19.9	15.8	23.6



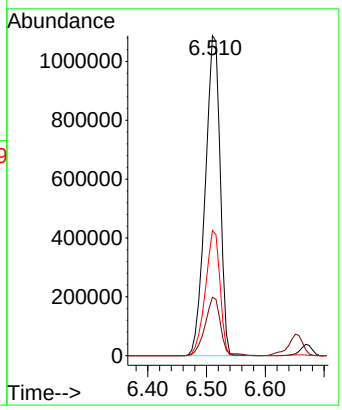


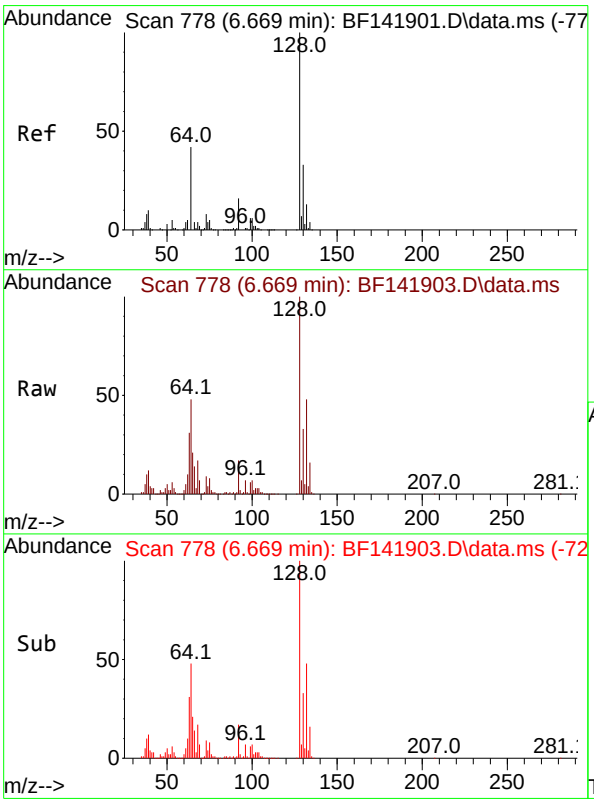
#7
Phenol-d6
Concen: 115.601 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1913610

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.6	21.8
71	39.1	30.8	46.2

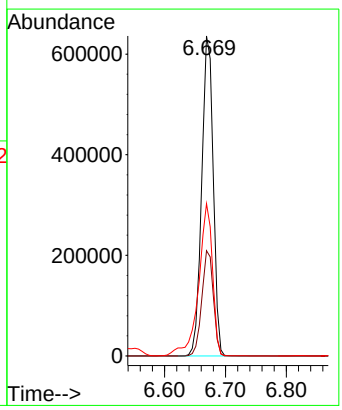


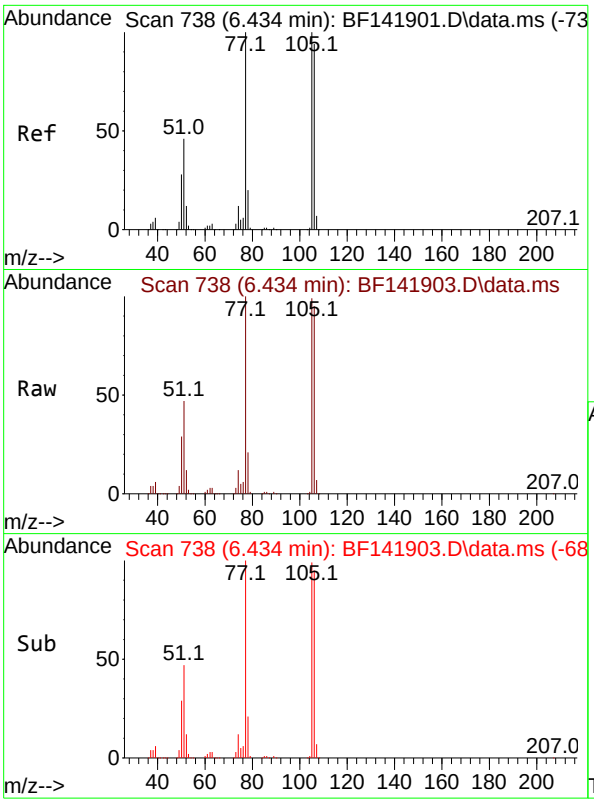


#8
2-Chlorophenol
Concen: 58.000 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:128 Resp: 835549

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.8	52.8
64	47.6	24.4	64.4



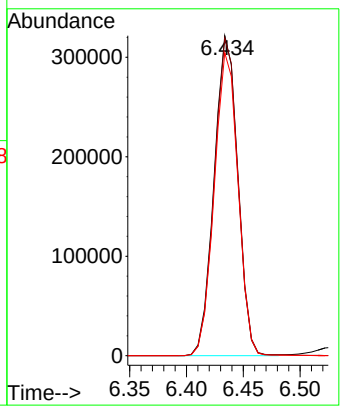


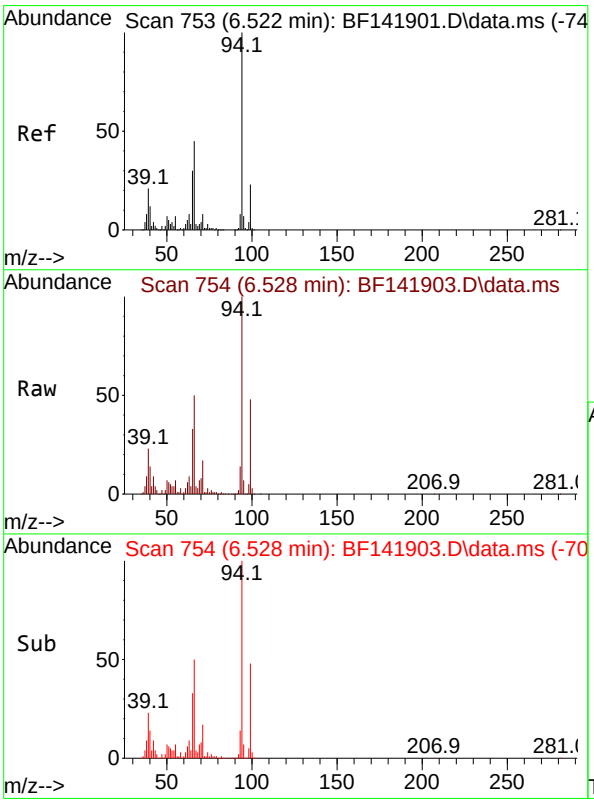
#9
Benzaldehyde
Concen: 50.311 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 465511

Ion	Ratio	Lower	Upper
77	100		
105	99.3	80.0	120.0
106	94.7	74.5	114.5

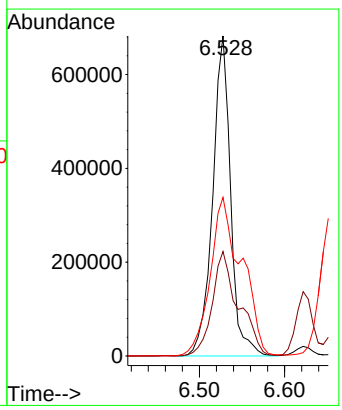


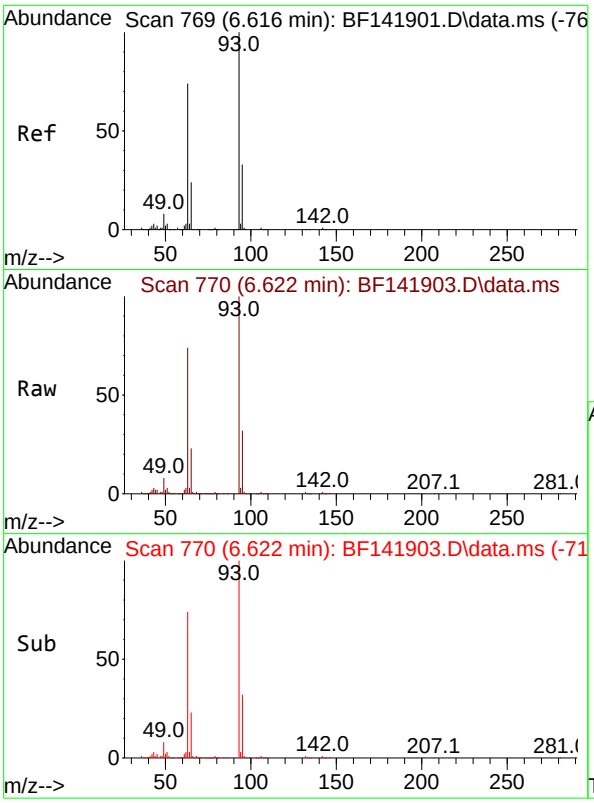


#10
Phenol
Concen: 57.074 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 94 Resp: 996848

Ion	Ratio	Lower	Upper
94	100		
65	32.6	10.5	50.5
66	49.5	25.8	65.8



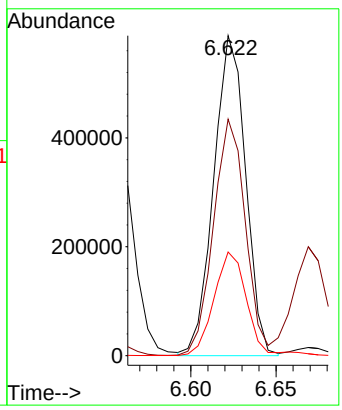


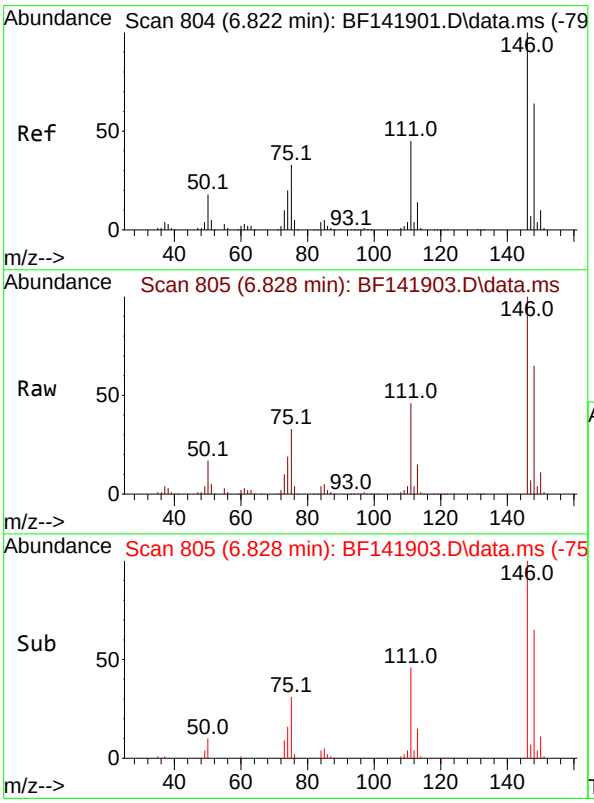
#11
bis(2-Chloroethyl)ether
Concen: 58.464 ng
RT: 6.622 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 765071

Ion	Ratio	Lower	Upper
93	100		
63	73.9	53.0	93.0
95	32.4	12.9	52.9

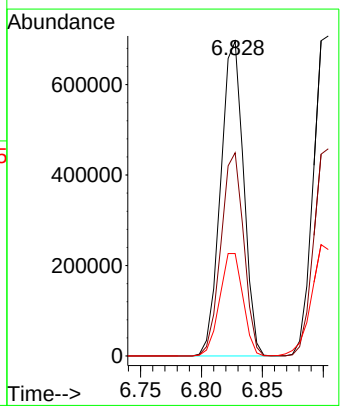


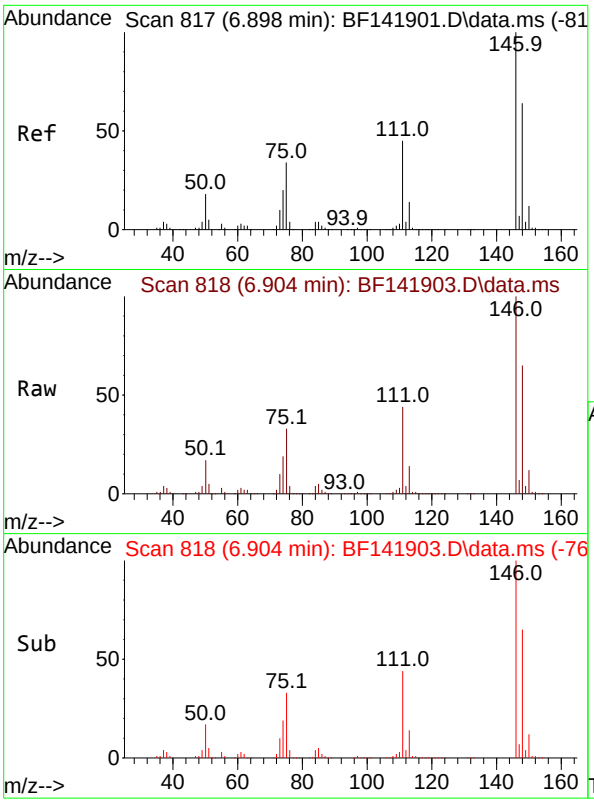


#12
1,3-Dichlorobenzene
Concen: 58.540 ng
RT: 6.828 min Scan# 805
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:146 Resp: 911340

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.3	76.9
75	32.6	26.6	40.0



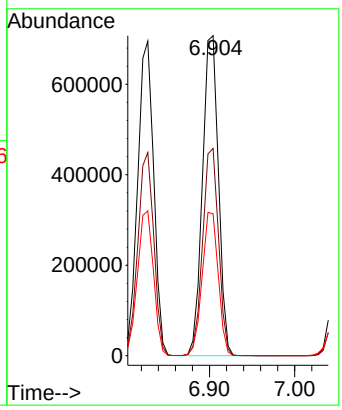


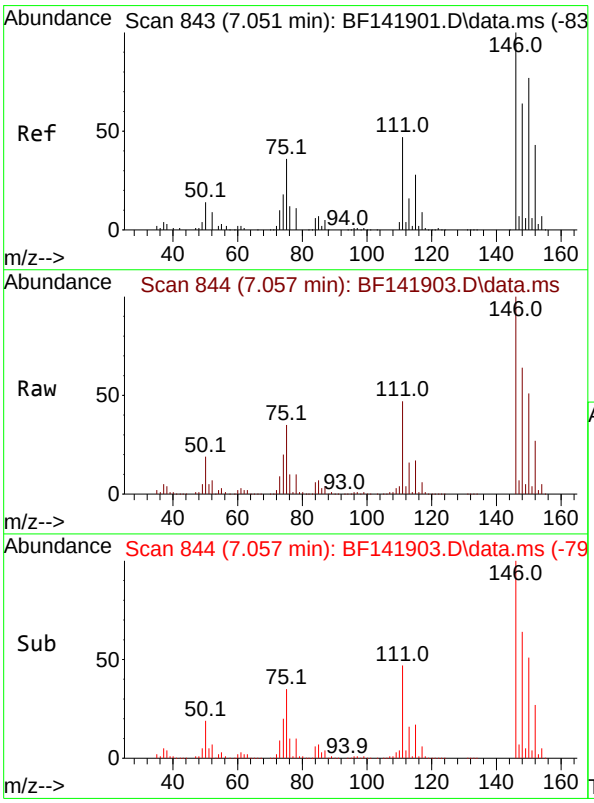
#13
1,4-Dichlorobenzene
Concen: 58.635 ng
RT: 6.904 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 923545

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.6
111	44.4	35.7	53.5

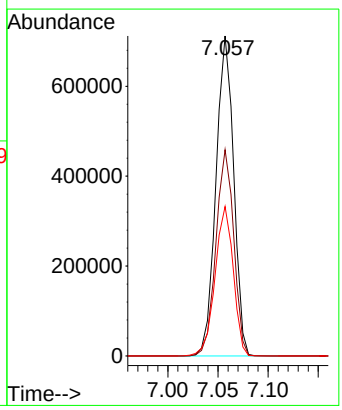


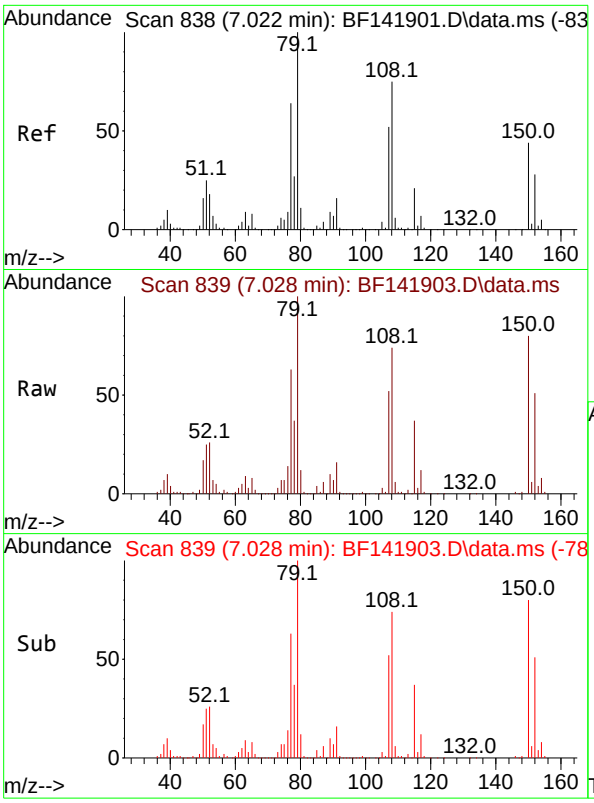


#14
1,2-Dichlorobenzene
Concen: 58.898 ng
RT: 7.057 min Scan# 844
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:146 Resp: 873604

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.8	76.2
111	46.7	38.0	57.0



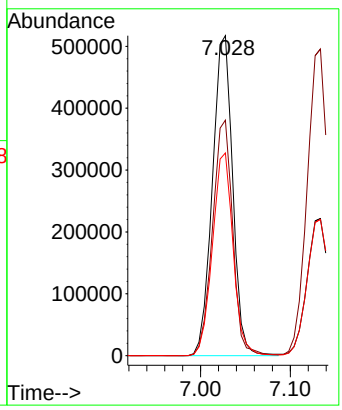


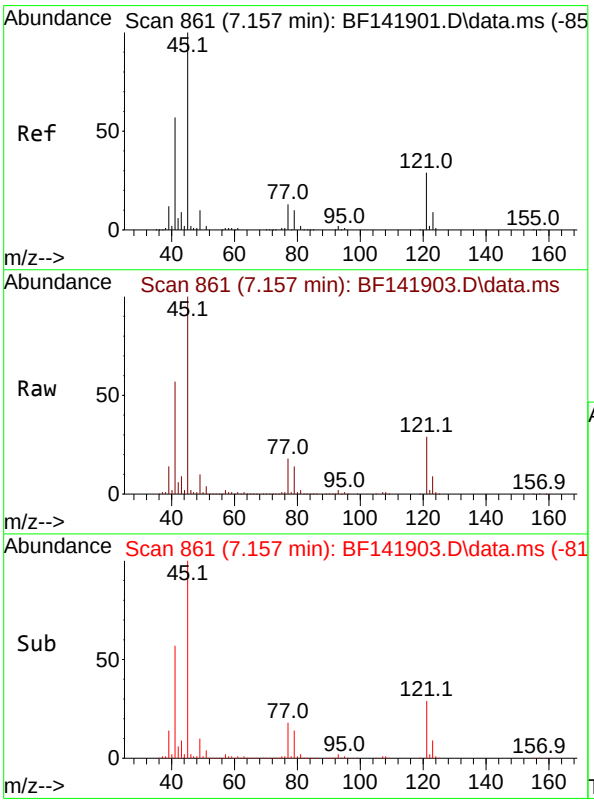
#15
Benzyl Alcohol
Concen: 60.480 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 810347

Ion	Ratio	Lower	Upper
79	100		
108	73.6	59.7	89.5
77	63.4	51.0	76.6

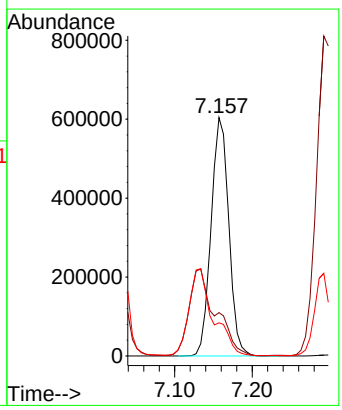


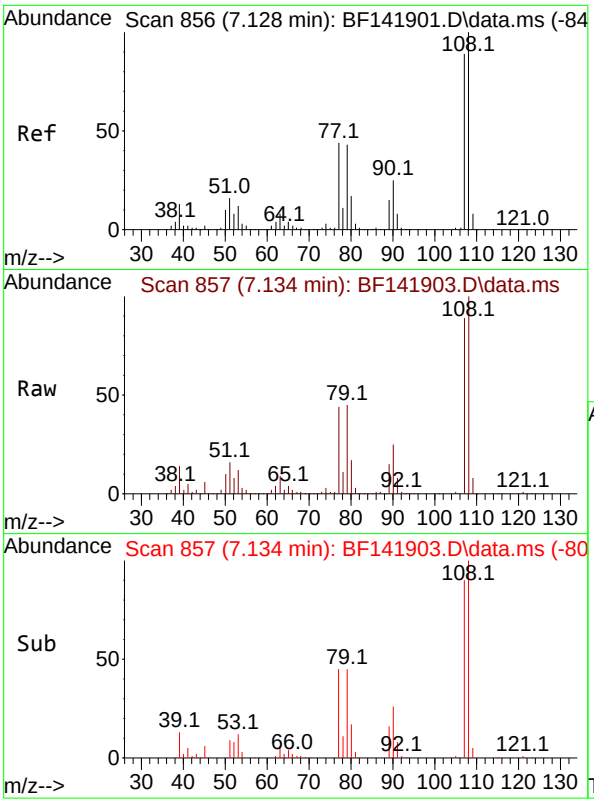


#16
2,2'-oxybis(1-Chloropropane)
Concen: 60.730 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 45 Resp: 957808

Ion	Ratio	Lower	Upper
45	100		
77	18.2	0.0	37.8
79	13.9	0.0	34.2



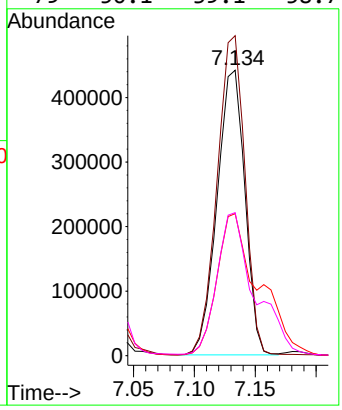


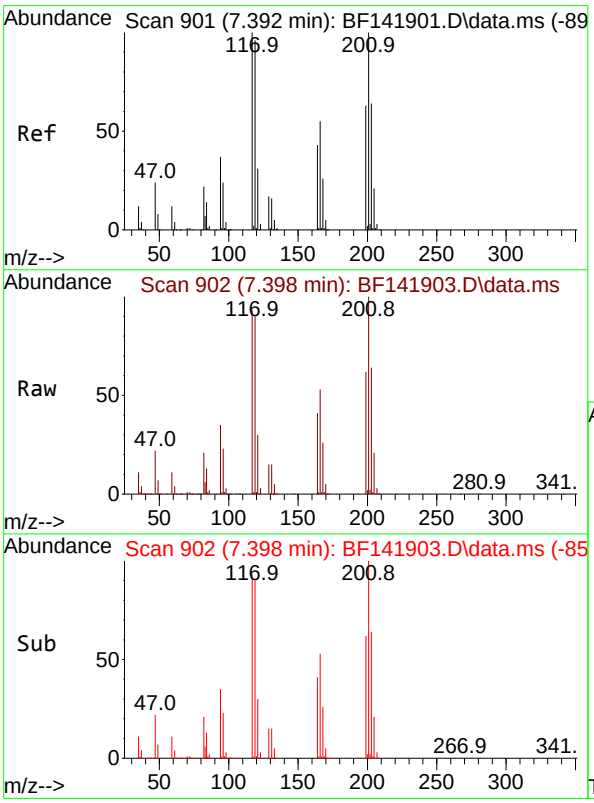
#17
2-Methylphenol
Concen: 61.285 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 701676

Ion	Ratio	Lower	Upper
107	100		
108	112.1	90.2	135.2
77	49.8	39.6	59.4
79	50.1	39.1	58.7

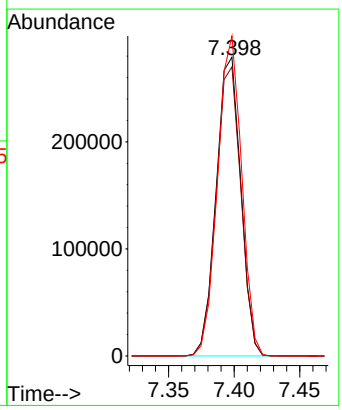


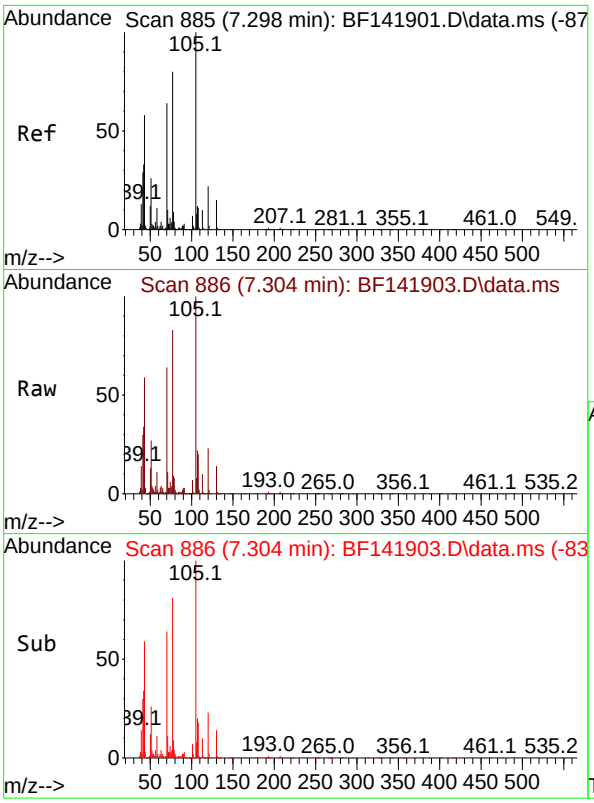


#18
Hexachloroethane
Concen: 61.734 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:117 Resp: 364561

Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.9	115.3
201	107.1	79.9	119.9



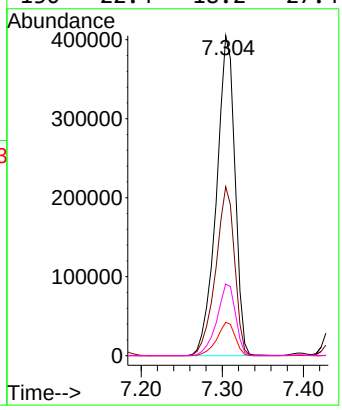


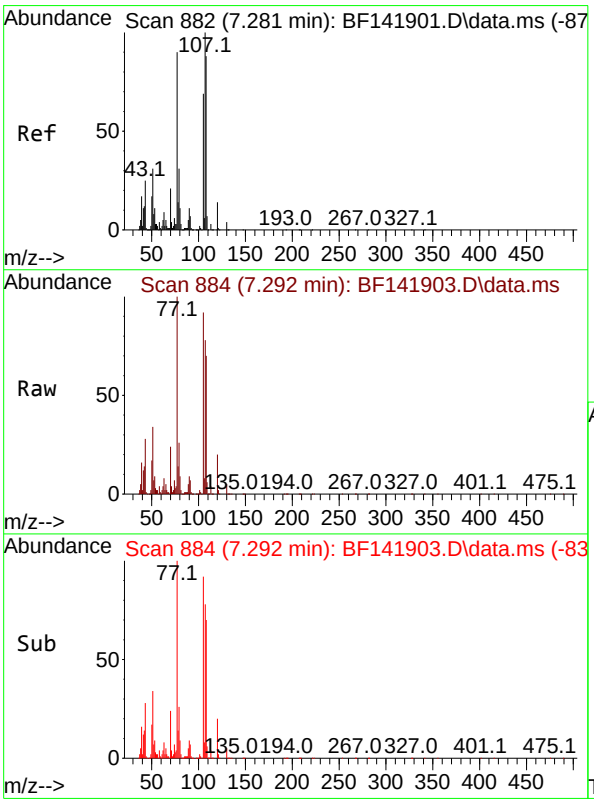
#19
n-Nitroso-di-n-propylamine
Concen: 60.576 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 644501

Ion	Ratio	Lower	Upper
70	100		
42	52.8	41.4	62.0
101	10.4	8.2	12.2
130	22.4	18.2	27.4

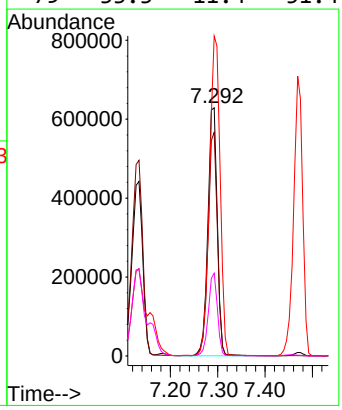


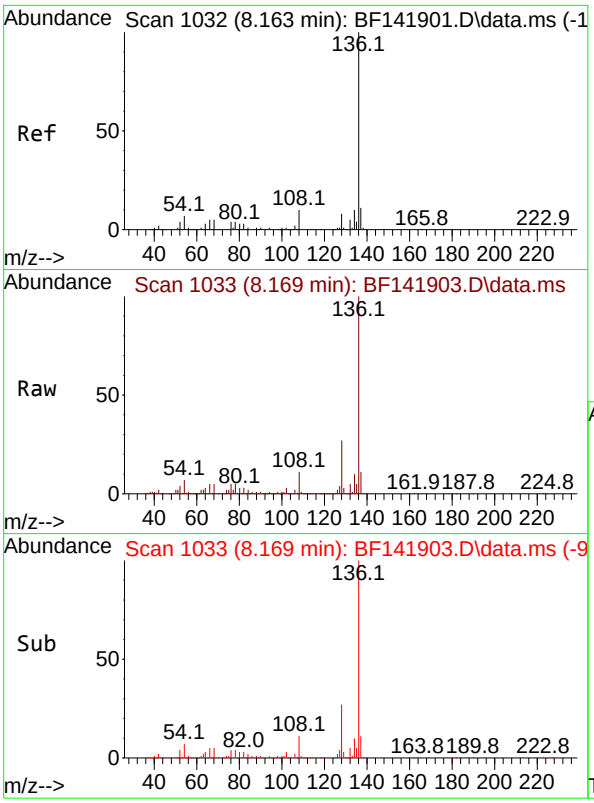


#20
3+4-Methylphenols
Concen: 59.116 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:107 Resp: 868157

Ion	Ratio	Lower	Upper
107	100		
108	90.1	68.4	108.4
77	128.9	69.7	109.7#
79	33.3	11.4	51.4



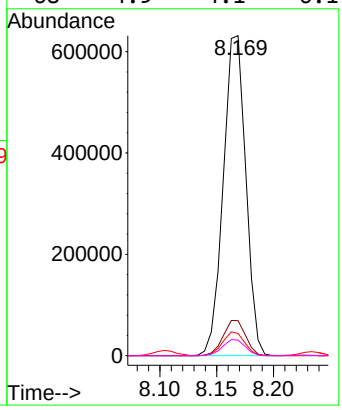


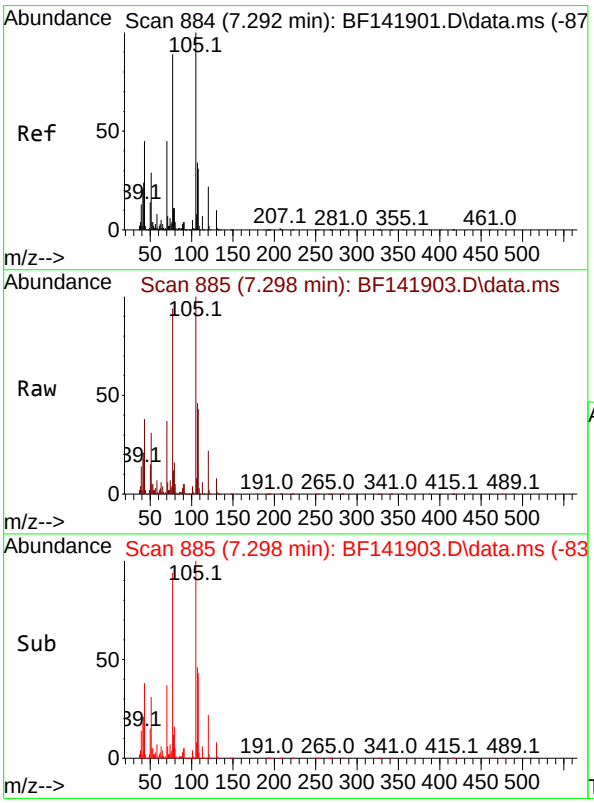
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 872222

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.0	5.8	8.8
68	4.9	4.1	6.1

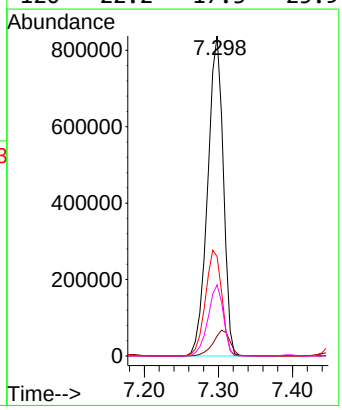


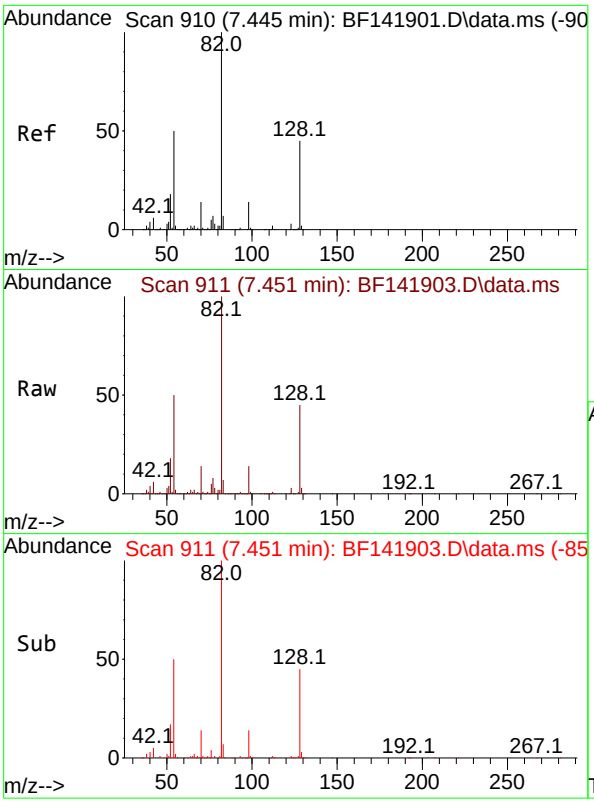


#22
Acetophenone
Concen: 58.635 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:105 Resp: 1226859

Ion	Ratio	Lower	Upper
105	100		
71	6.2	5.8	8.8
51	31.1	23.4	35.0
120	22.2	17.3	25.9



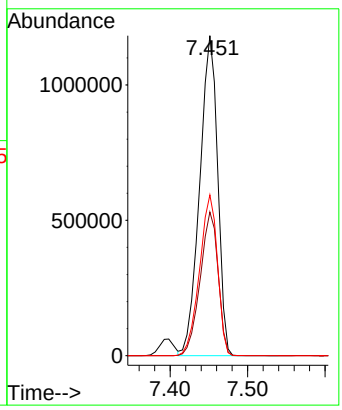


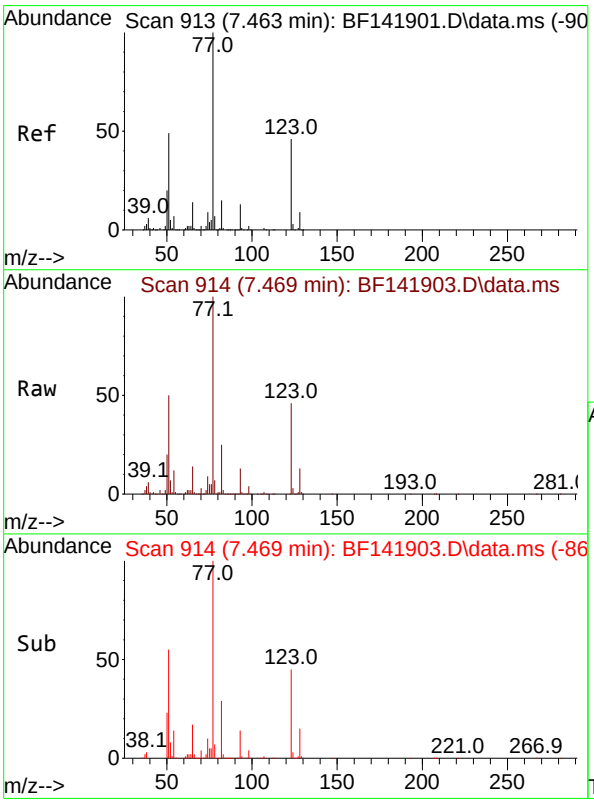
#23
Nitrobenzene-d5
Concen: 122.074 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1899726

Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.0	54.0
54	50.3	39.6	59.4

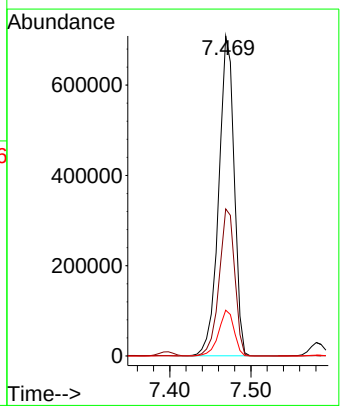


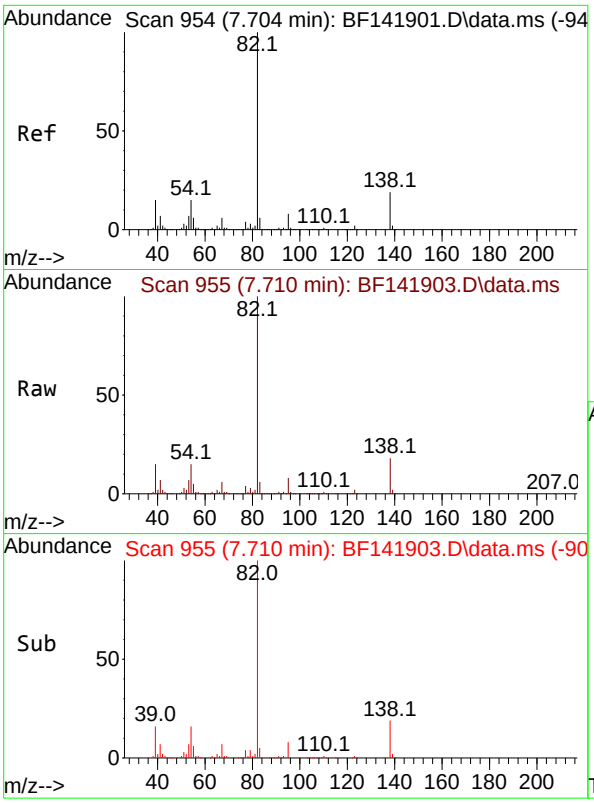


#24
Nitrobenzene
Concen: 60.889 ng
RT: 7.469 min Scan# 914
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 77 Resp: 939508

Ion	Ratio	Lower	Upper
77	100		
123	45.9	37.0	55.4
65	14.3	11.3	16.9



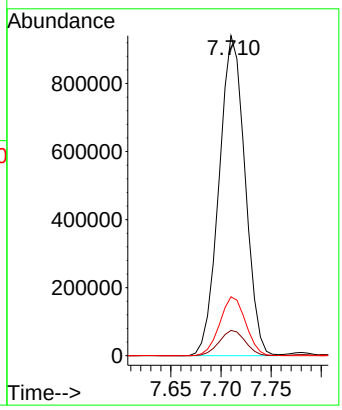


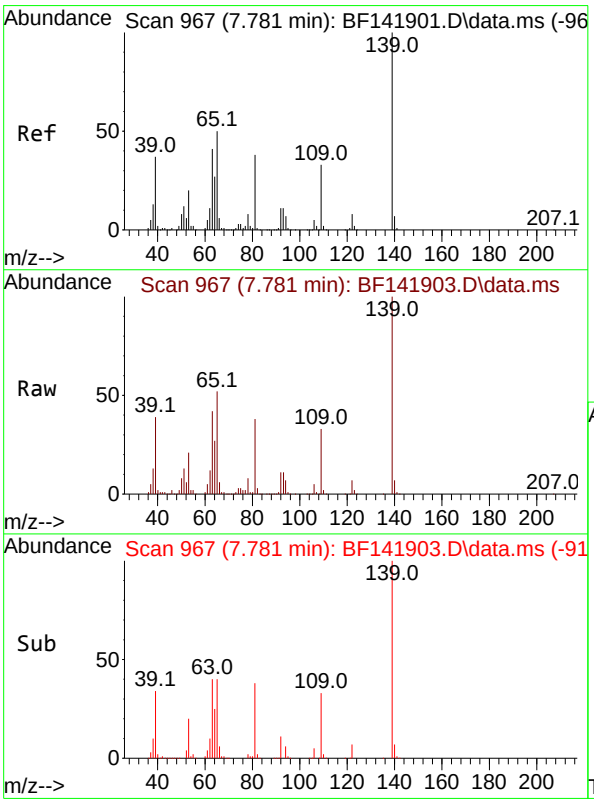
#25
Isophorone
Concen: 61.720 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1695749

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.4	14.9	22.3

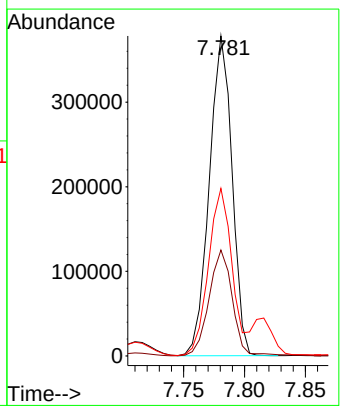


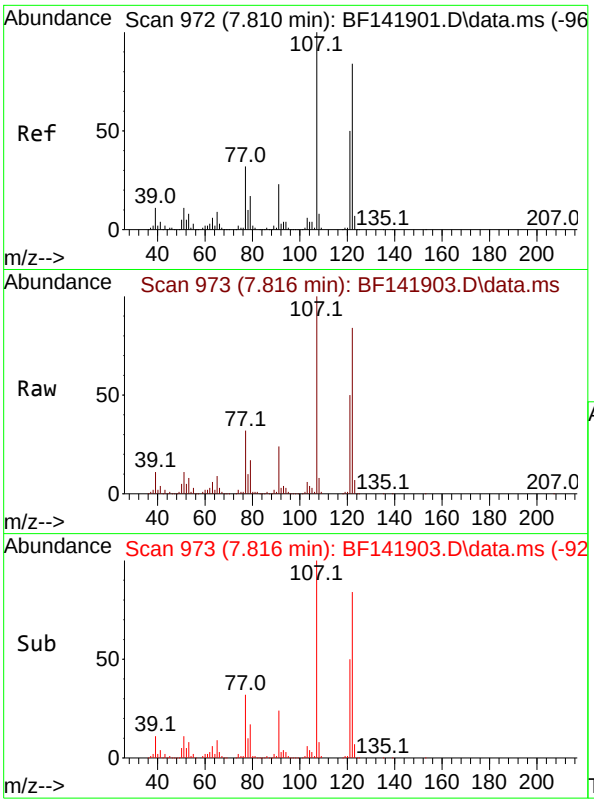


#26
2-Nitrophenol
Concen: 64.978 ng
RT: 7.781 min Scan# 967
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:139 Resp: 491301

Ion	Ratio	Lower	Upper
139	100		
109	33.1	26.5	39.7
65	52.3	40.3	60.5



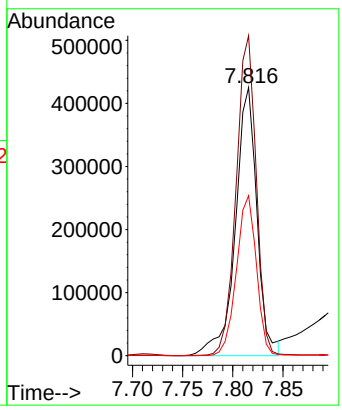


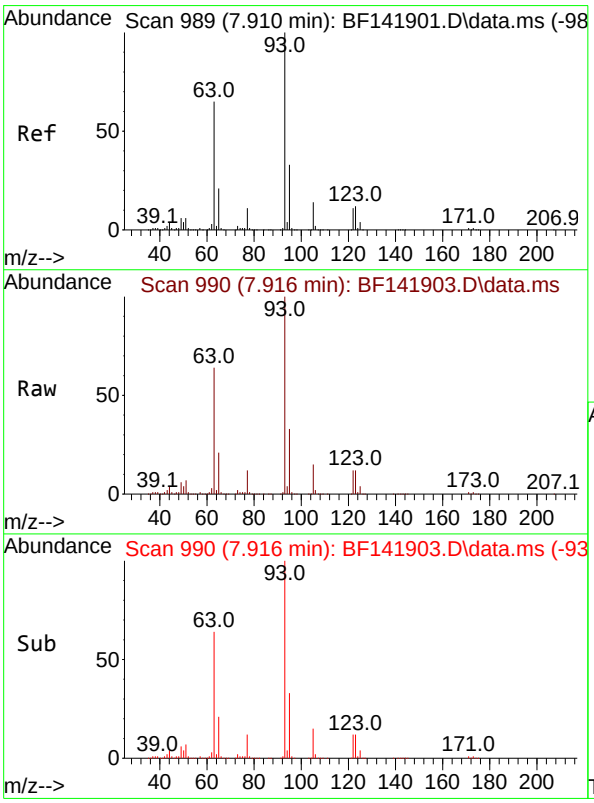
#27
2,4-Dimethylphenol
Concen: 61.408 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 639505

Ion	Ratio	Lower	Upper
122	100		
107	119.4	94.8	142.2
121	59.7	47.8	71.6

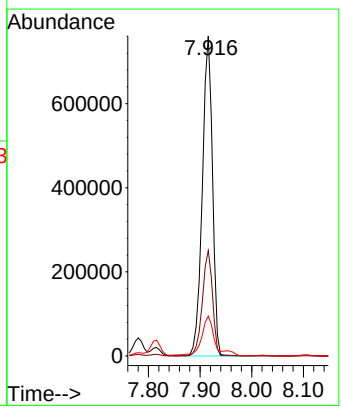


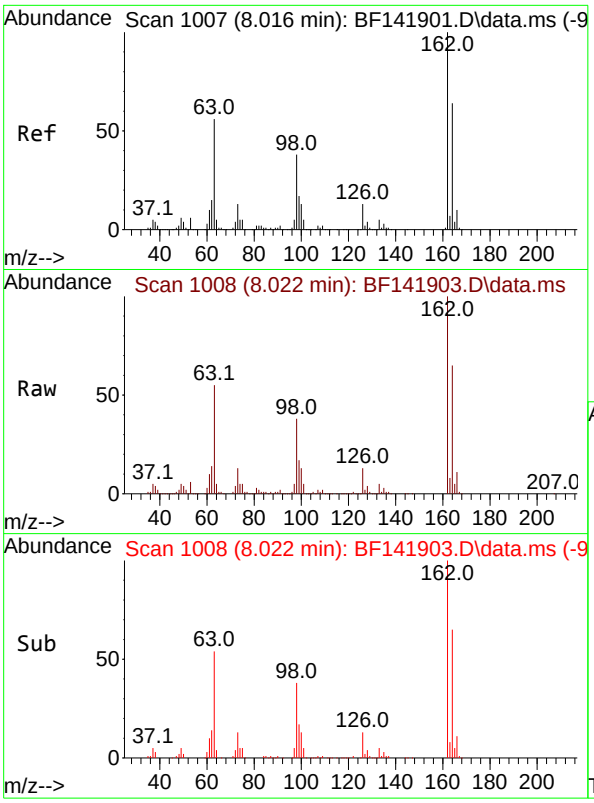


#28
bis(2-Chloroethoxy)methane
Concen: 60.422 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 93 Resp: 1039951

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.6	40.0
123	12.5	10.2	15.4



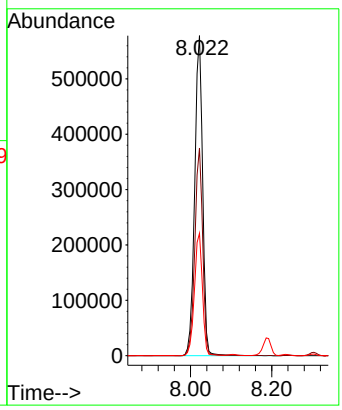


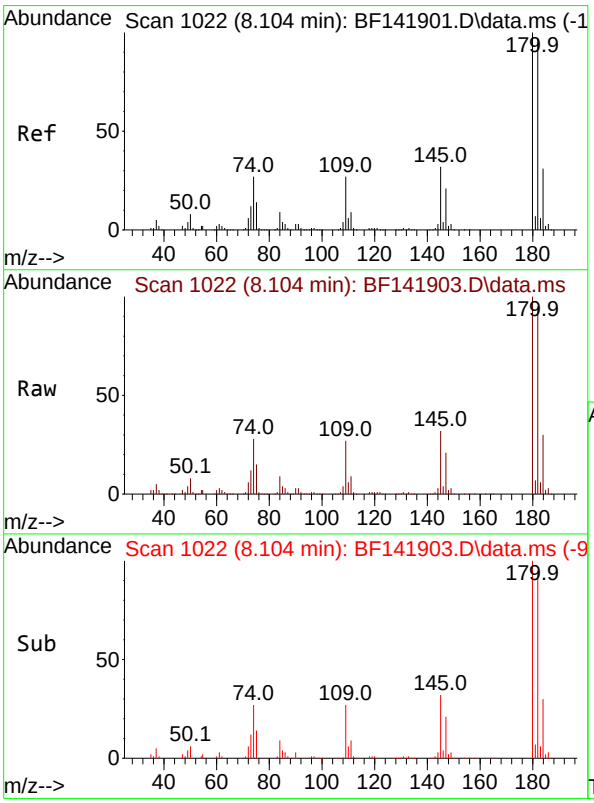
#29
2,4-Dichlorophenol
Concen: 61.272 ng
RT: 8.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 791904

Ion	Ratio	Lower	Upper
162	100		
164	64.9	43.8	83.8
98	38.3	18.1	58.1

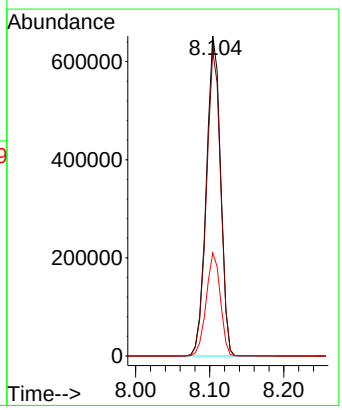


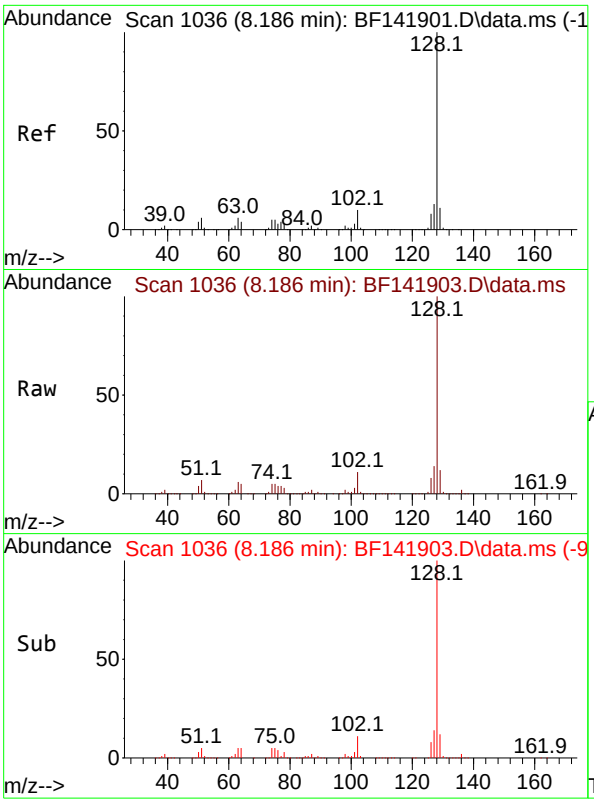


#30
1,2,4-Trichlorobenzene
Concen: 61.044 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:180 Resp: 870403

Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.5	116.3
145	32.2	25.8	38.6



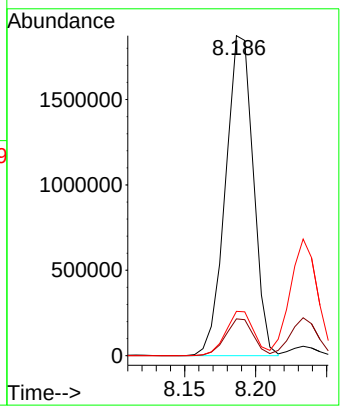


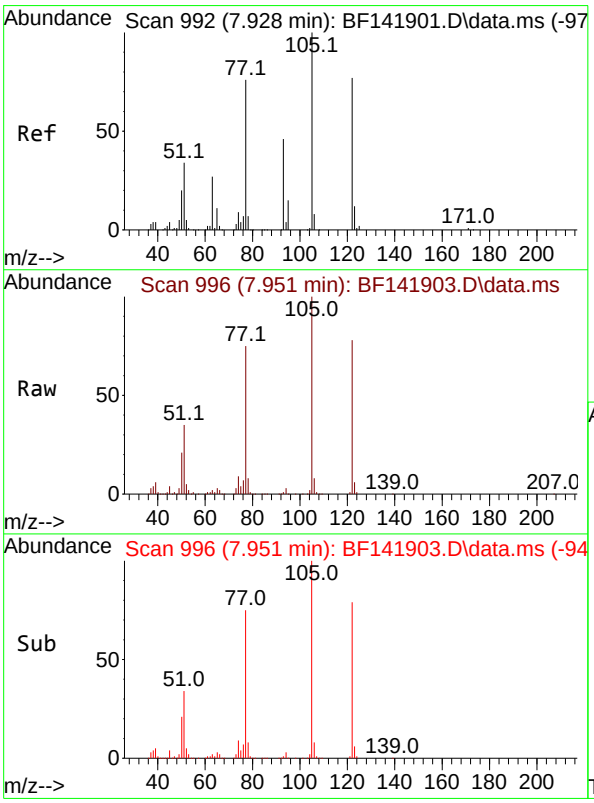
#31
Naphthalene
Concen: 56.961 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 2545181

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	13.8	10.8	16.2

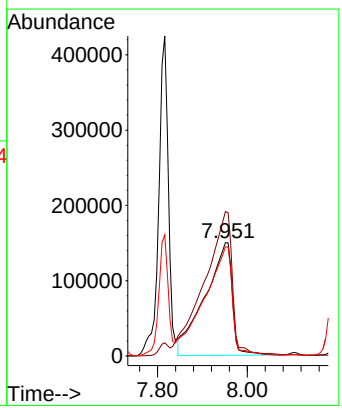


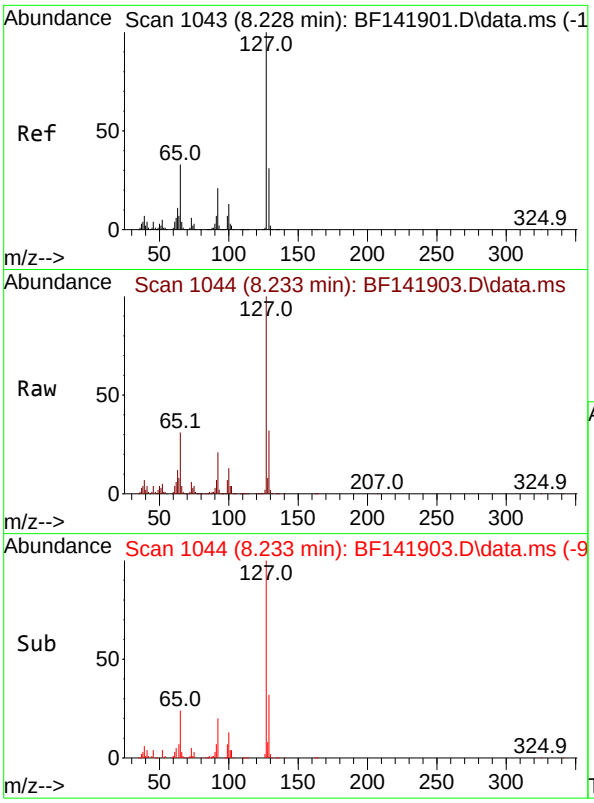


#32
Benzoic acid
Concen: 69.664 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.023 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:122 Resp: 634105

Ion	Ratio	Lower	Upper
122	100		
105	127.5	107.9	147.9
77	96.2	79.0	119.0



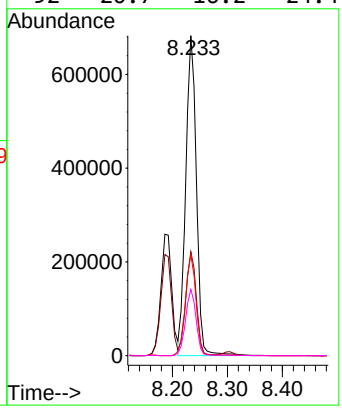


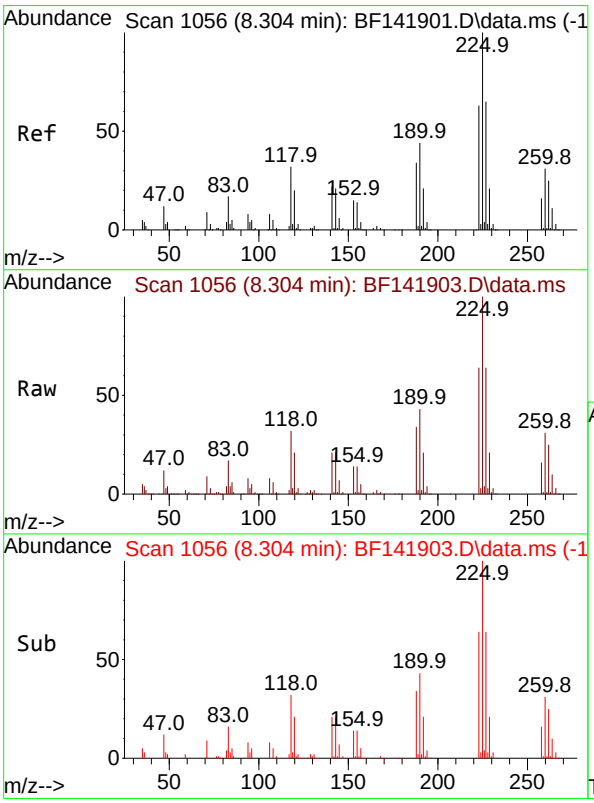
#33
4-Chloroaniline
Concen: 58.348 ng
RT: 8.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 920015

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	31.5	25.4	38.2
92	20.7	16.2	24.4

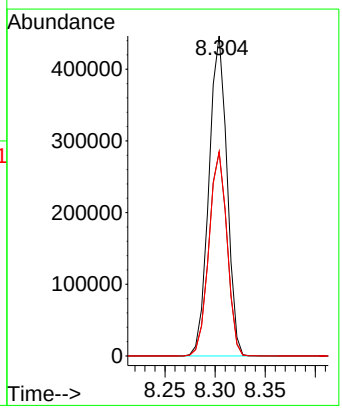


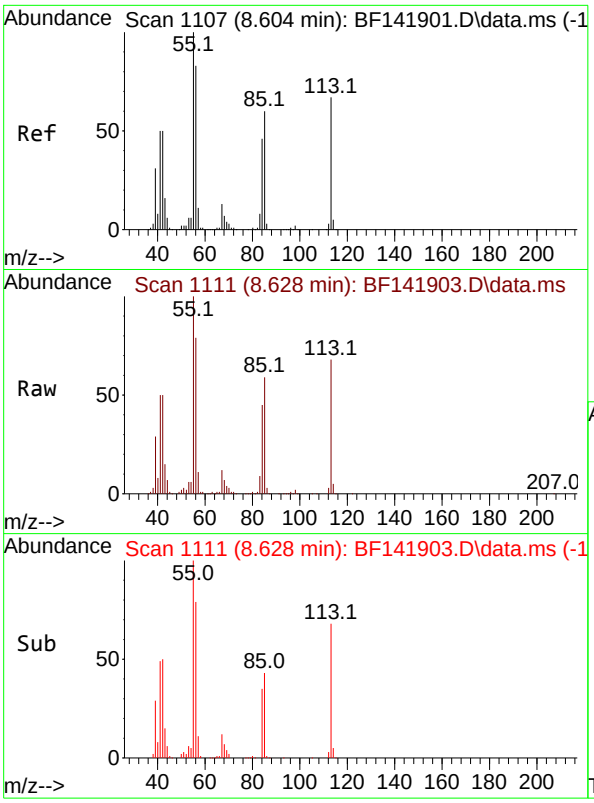


#34
Hexachlorobutadiene
Concen: 60.397 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:225 Resp: 559955

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.6	75.8
227	63.8	52.2	78.2



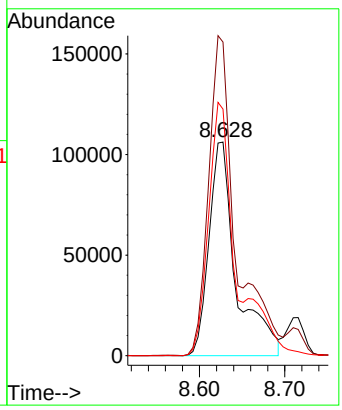


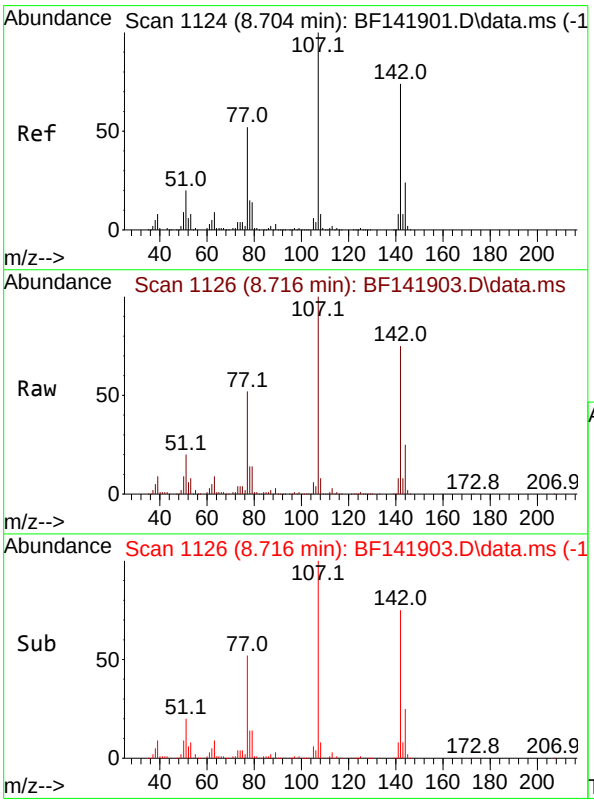
#35
Caprolactam
Concen: 60.015 ng
RT: 8.628 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 235861

Ion	Ratio	Lower	Upper
113	100		
55	146.7	129.6	169.6
56	115.4	104.0	144.0

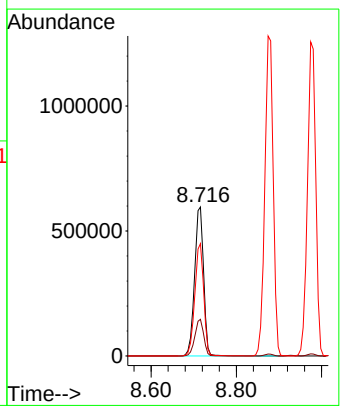


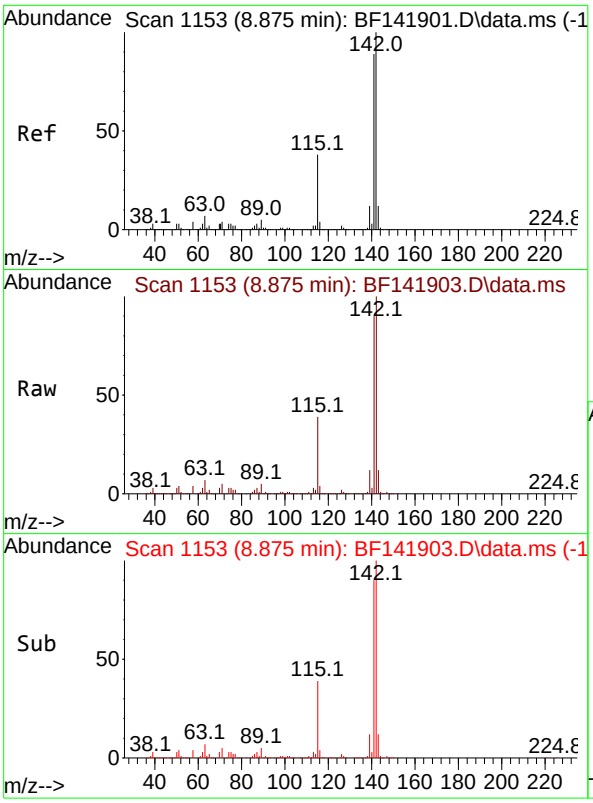


#36
4-Chloro-3-methylphenol
Concen: 60.807 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:107 Resp: 874022

Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.0	28.6
142	75.4	59.2	88.8



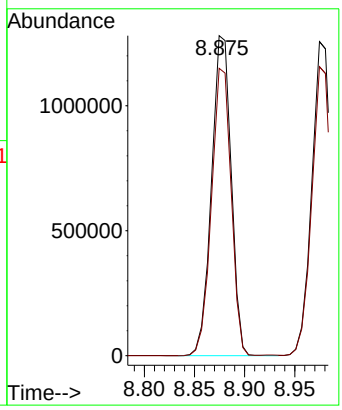


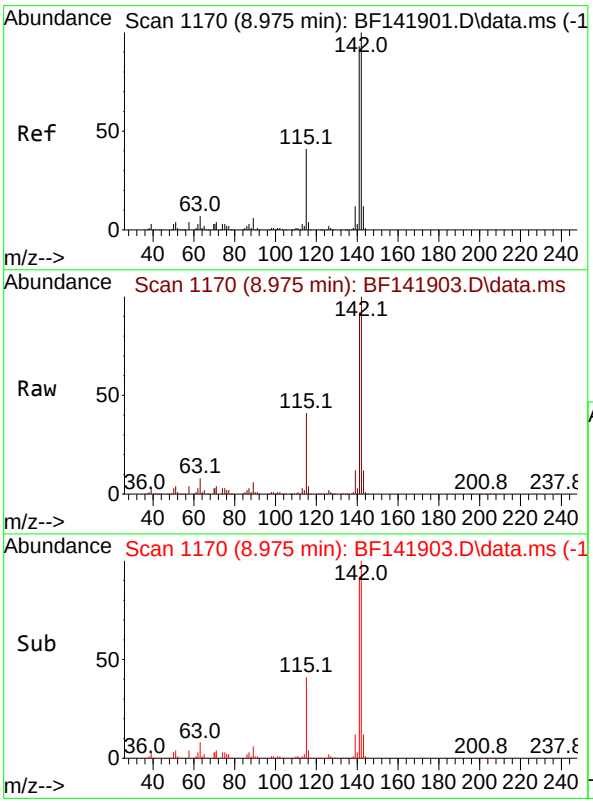
#37
2-Methylnaphthalene
Concen: 58.187 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1744374

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.2	106.8

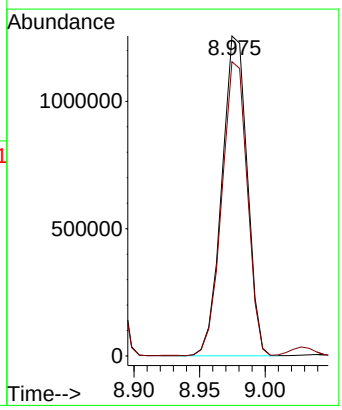


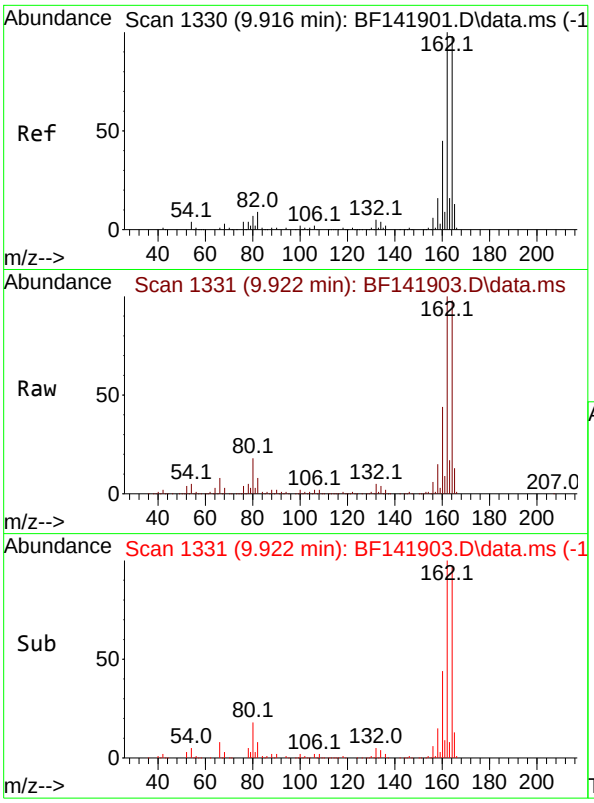


#38
1-Methylnaphthalene
Concen: 58.285 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:142 Resp: 1692113

Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.2	111.4



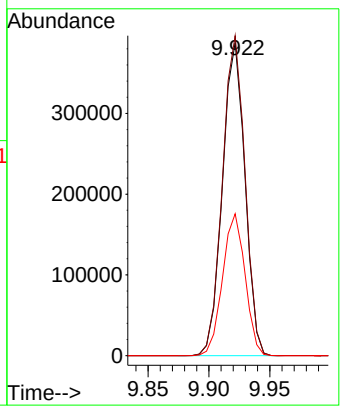


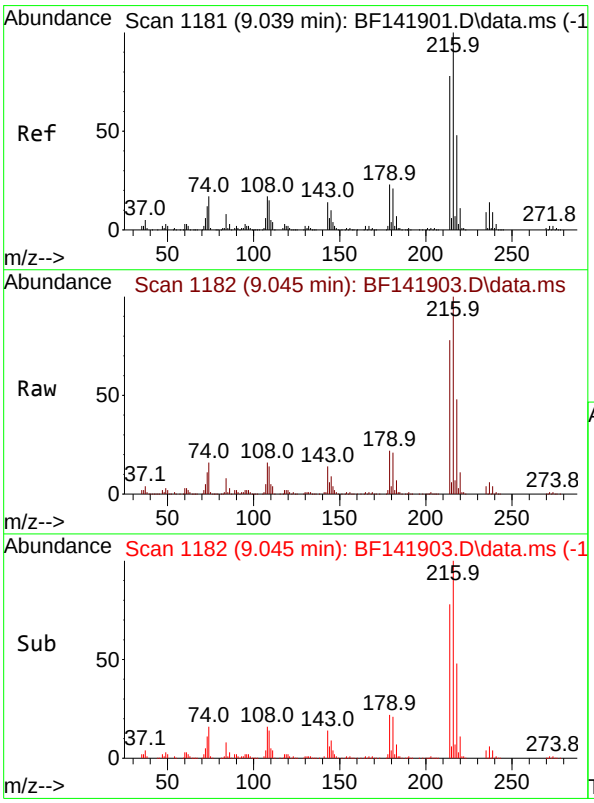
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 497194

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.8	122.6
160	45.4	36.7	55.1

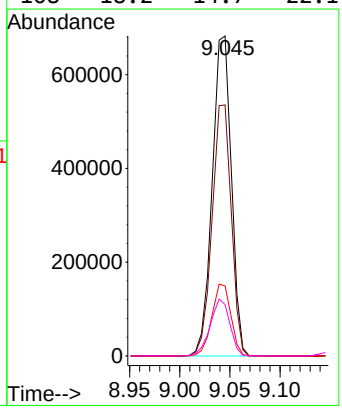


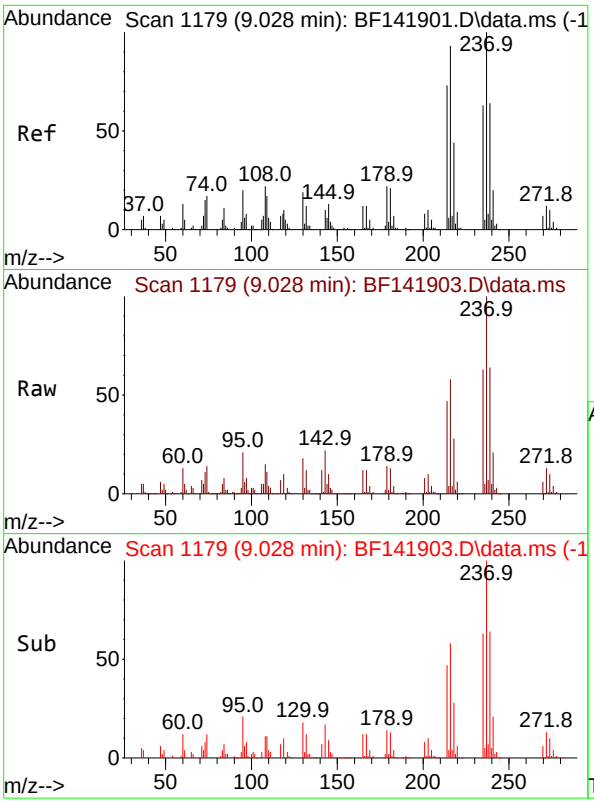


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.627 ng
RT: 9.045 min Scan# 1182
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:216 Resp: 903928

Ion	Ratio	Lower	Upper
216	100		
214	78.9	61.9	92.9
179	22.3	18.1	27.1
108	18.2	14.7	22.1



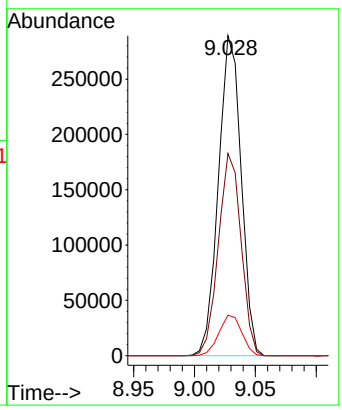


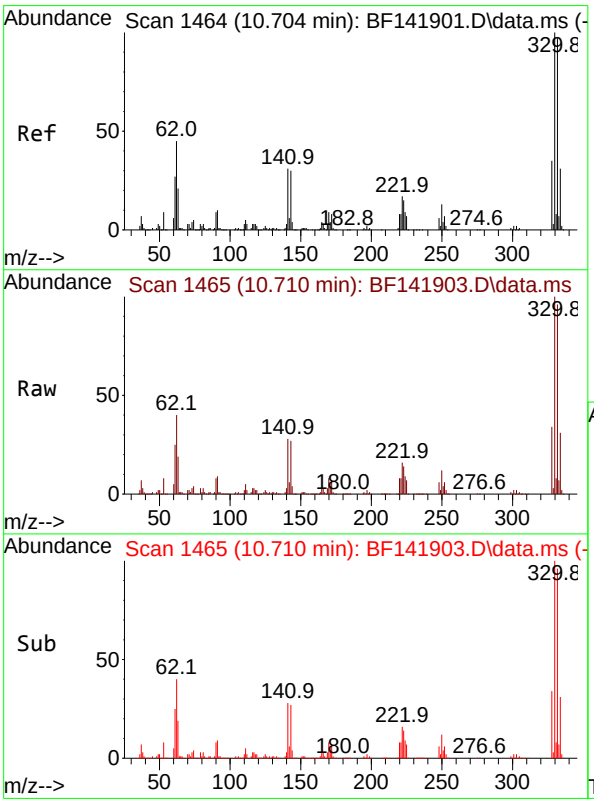
#41
Hexachlorocyclopentadiene
Concen: 62.842 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 375919

Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.1	83.1
272	12.6	0.0	32.0

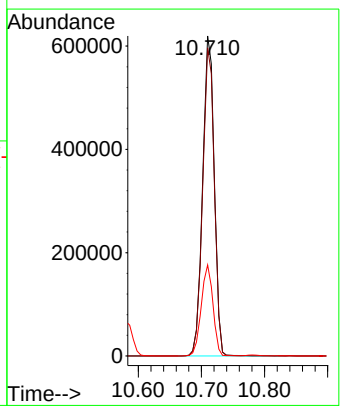


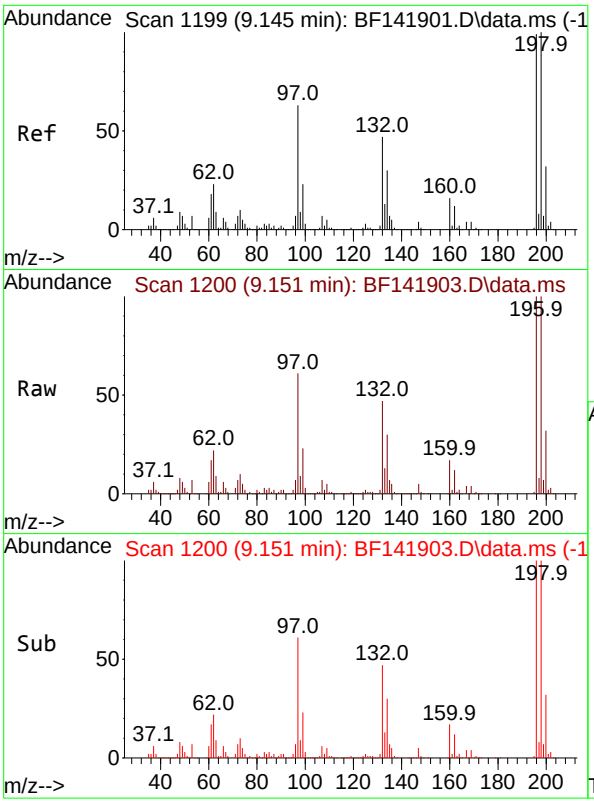


#42
2,4,6-Tribromophenol
Concen: 125.609 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:330 Resp: 791365

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.6	116.4
141	28.7	24.7	37.1



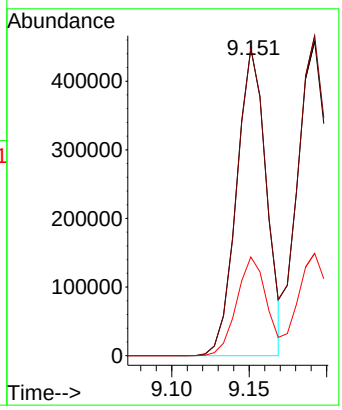


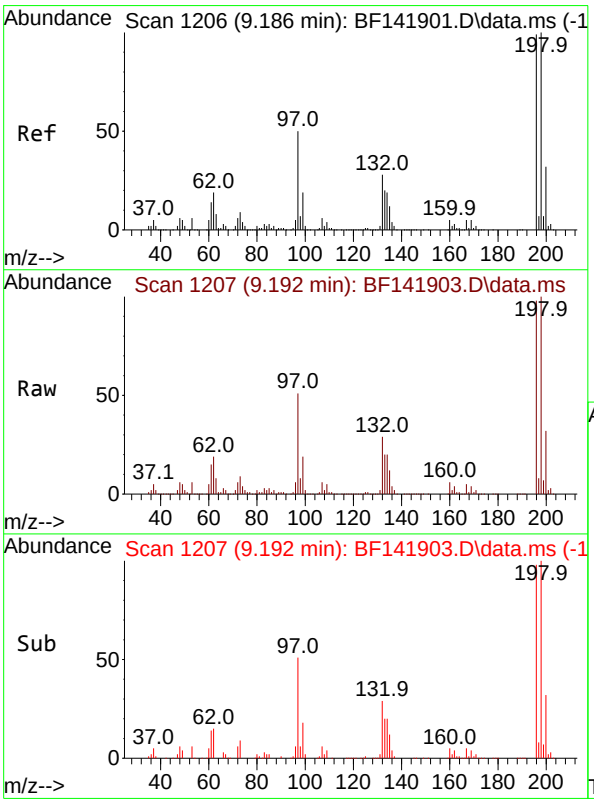
#43
2,4,6-Trichlorophenol
Concen: 60.479 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 597686

Ion	Ratio	Lower	Upper
196	100		
198	99.8	80.6	121.0
200	32.1	25.8	38.6

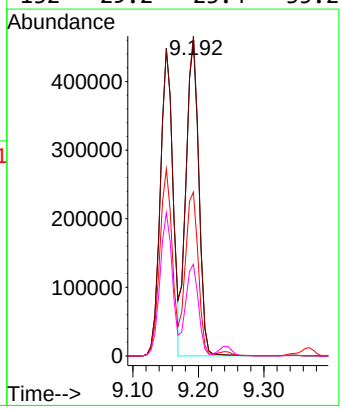


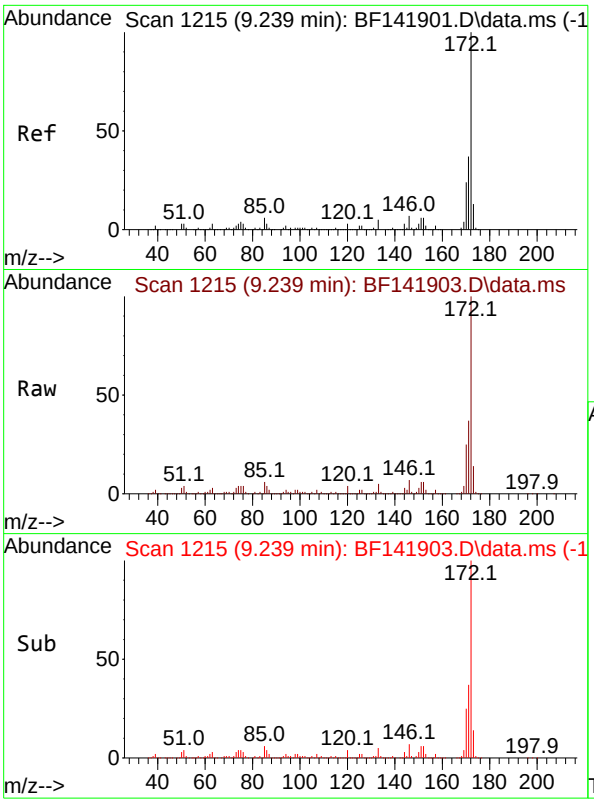


#44
2,4,5-Trichlorophenol
Concen: 61.642 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:196 Resp: 618930

Ion	Ratio	Lower	Upper
196	100		
198	101.7	80.7	121.1
97	52.1	42.1	63.1
132	29.2	23.4	35.2



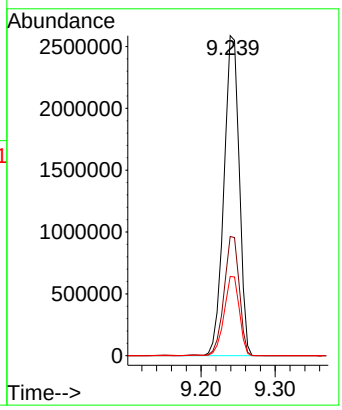


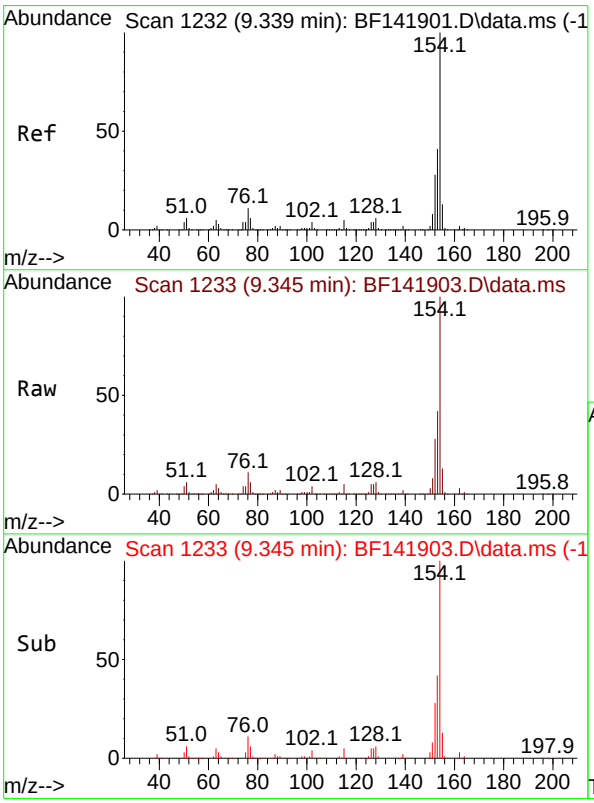
#45
2-Fluorobiphenyl
Concen: 113.827 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 3716590

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.3	43.9
170	24.7	19.4	29.0

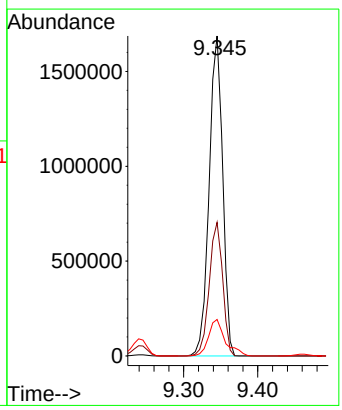


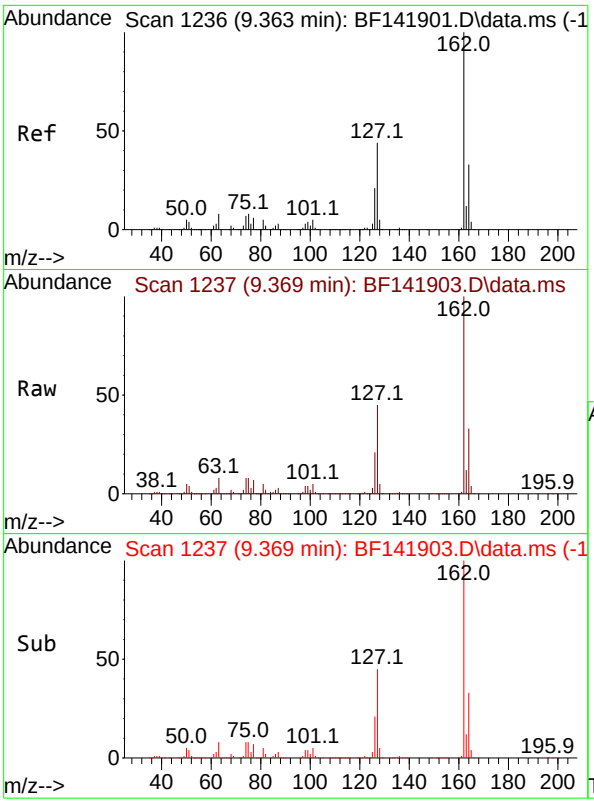


#46
1,1'-Biphenyl
Concen: 56.634 ng
RT: 9.345 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:154 Resp: 2134829

Ion	Ratio	Lower	Upper
154	100		
153	41.8	21.1	61.1
76	11.4	0.0	31.3



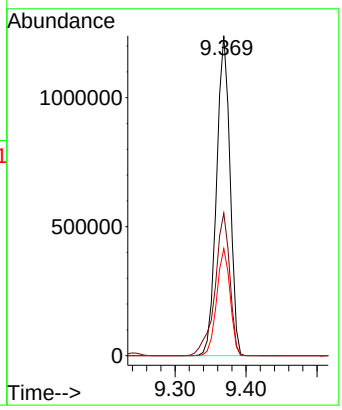


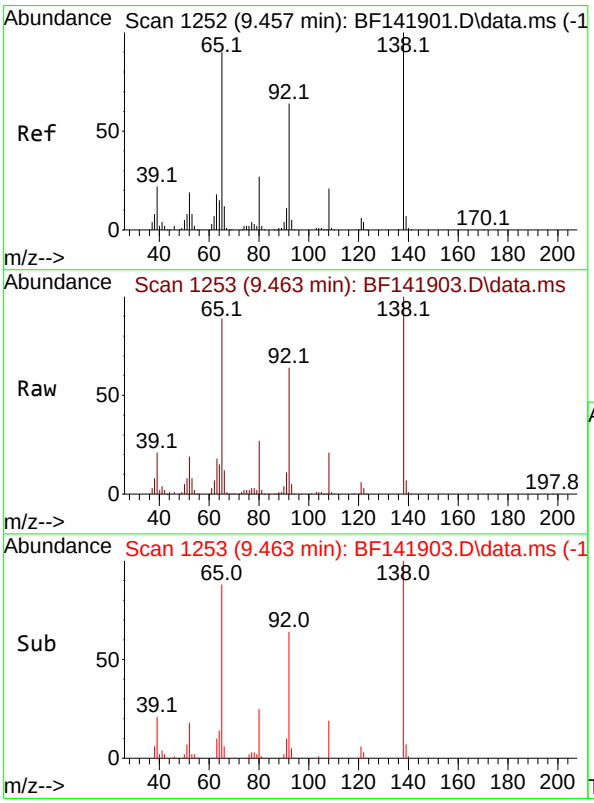
#47
2-Chloronaphthalene
Concen: 57.879 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1625973

Ion	Ratio	Lower	Upper
162	100		
127	44.5	35.5	53.3
164	33.5	26.6	40.0

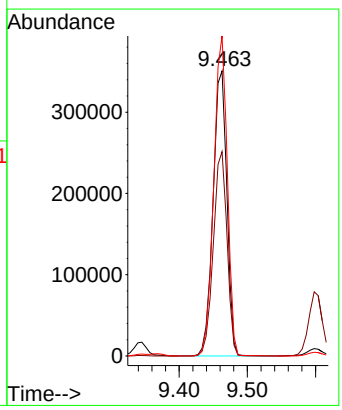


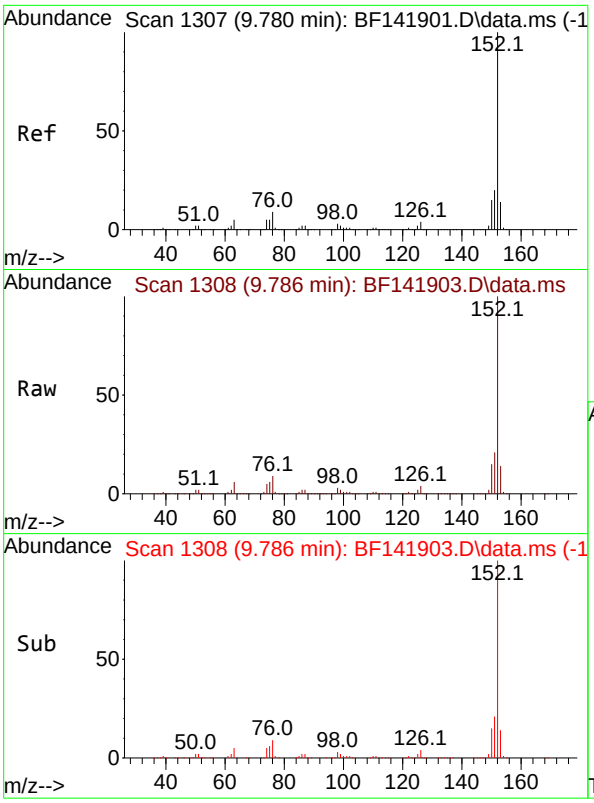


#48
2-Nitroaniline
Concen: 61.368 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 65 Resp: 495229

Ion	Ratio	Lower	Upper
65	100		
92	71.7	56.6	84.8
138	112.3	88.6	133.0



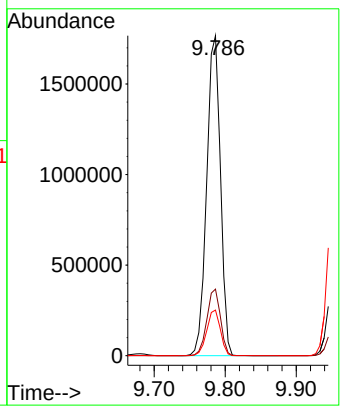


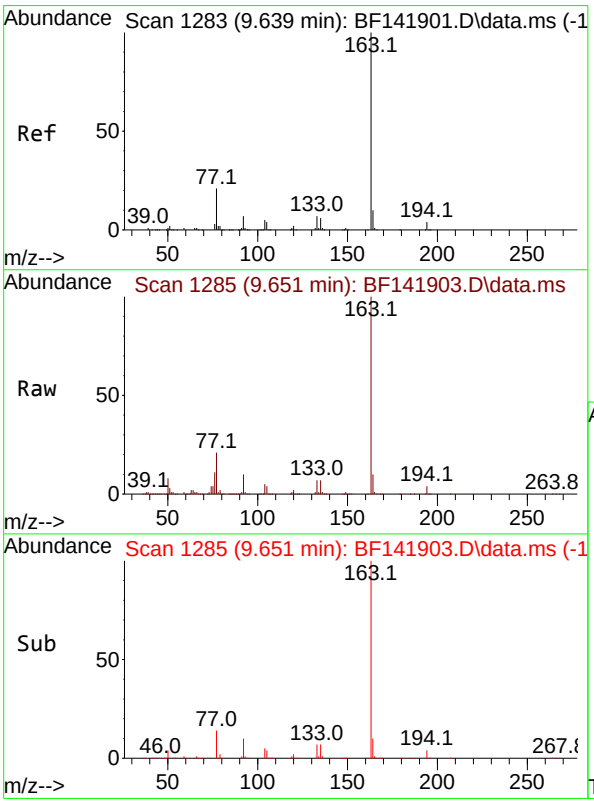
#49
Acenaphthylene
Concen: 57.125 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 2379216

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.3	24.5
153	14.2	11.1	16.7

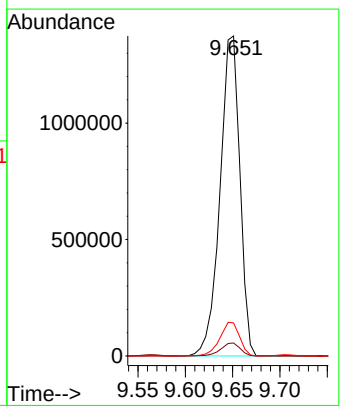


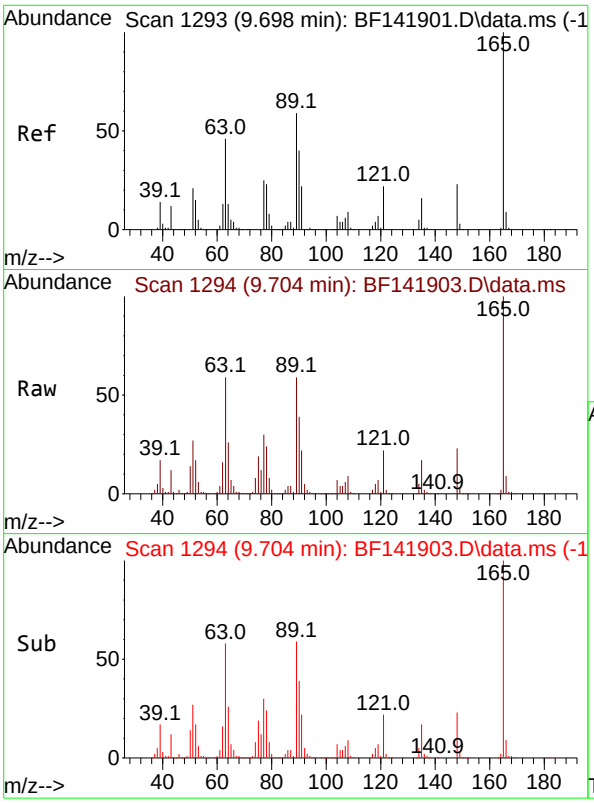


#50
Dimethylphthalate
Concen: 58.083 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:163 Resp: 2006480

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.4	8.2	12.4



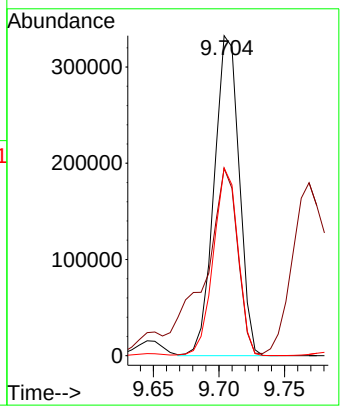


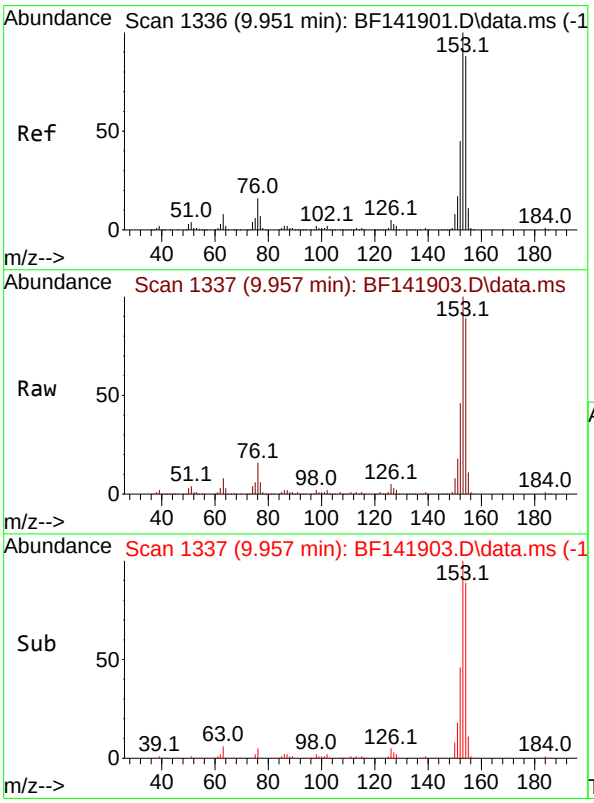
#51
2,6-Dinitrotoluene
Concen: 61.441 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 441383

Ion	Ratio	Lower	Upper
165	100		
63	58.6	47.0	70.4
89	58.6	47.4	71.2

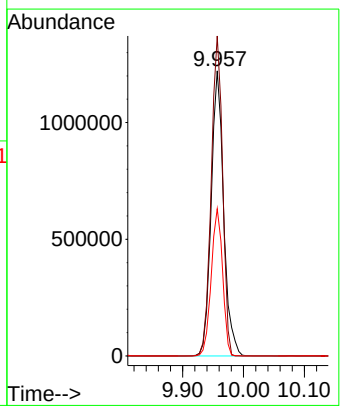


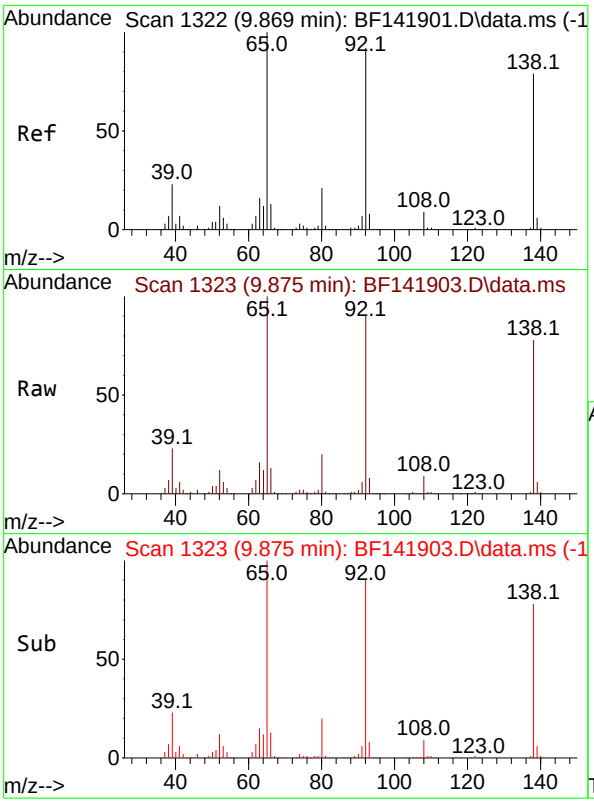


#52
Acenaphthene
Concen: 59.065 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:154 Resp: 1737049

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.7	136.1
152	51.6	41.1	61.7



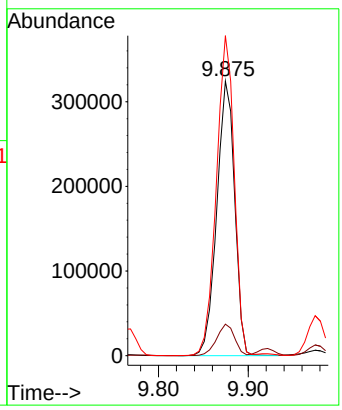


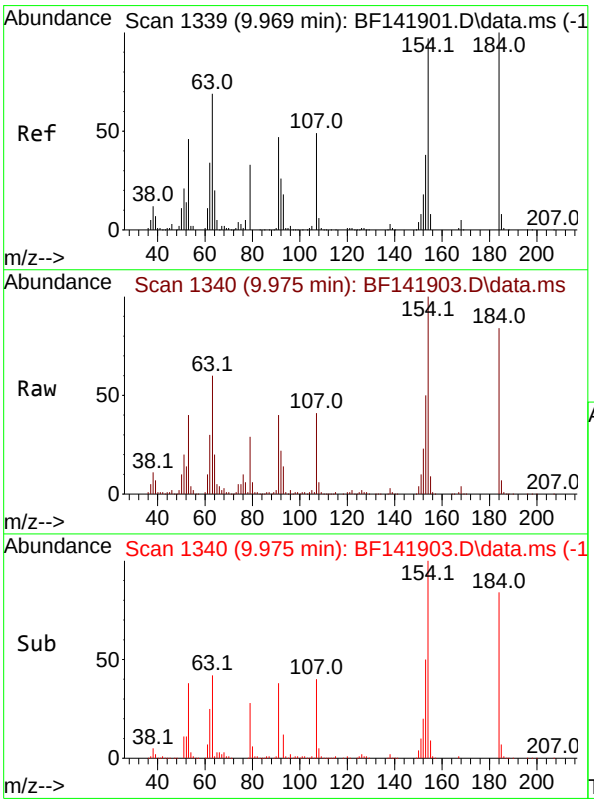
#53
3-Nitroaniline
Concen: 60.945 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 449553

Ion	Ratio	Lower	Upper
138	100		
108	11.5	9.3	13.9
92	116.5	93.5	140.3

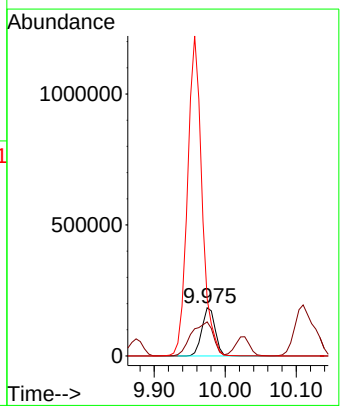


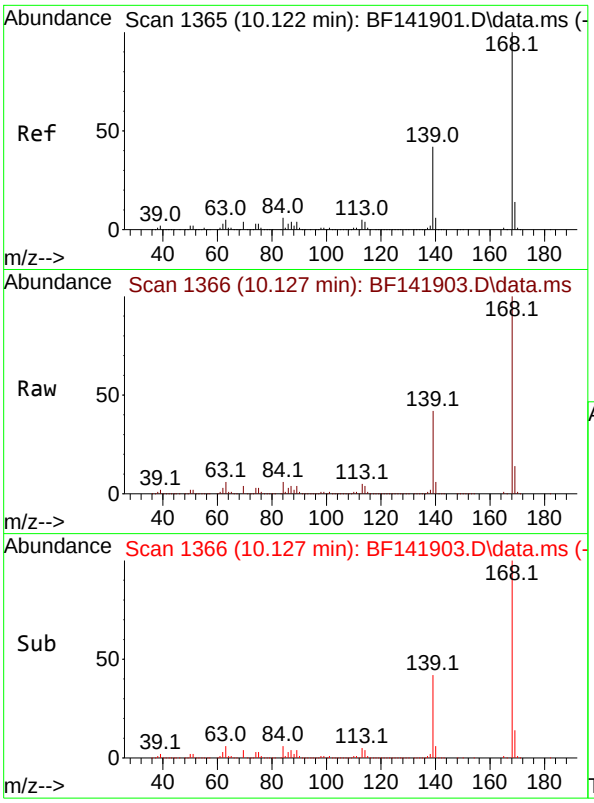


#54
2,4-Dinitrophenol
Concen: 60.329 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:184 Resp: 240530

Ion	Ratio	Lower	Upper
184	100		
63	70.8	60.2	90.4
154	118.6	132.9	199.3#



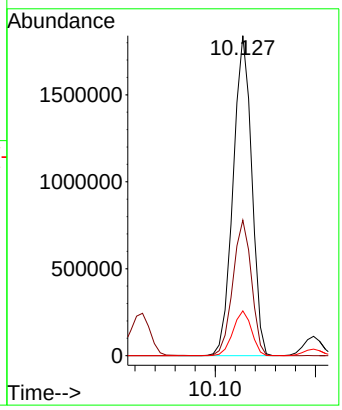


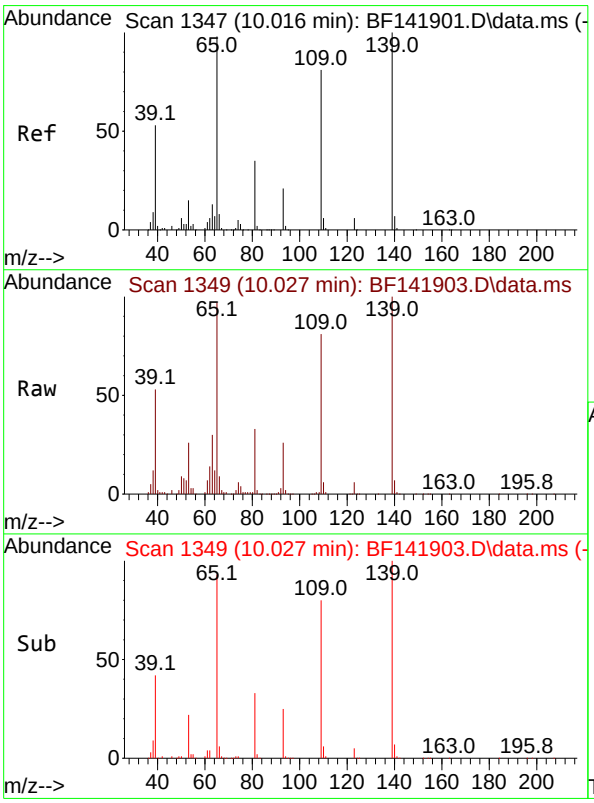
#55
Dibenzofuran
Concen: 56.781 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 2380973

Ion	Ratio	Lower	Upper
168	100		
139	42.4	33.9	50.9
169	14.0	11.0	16.4

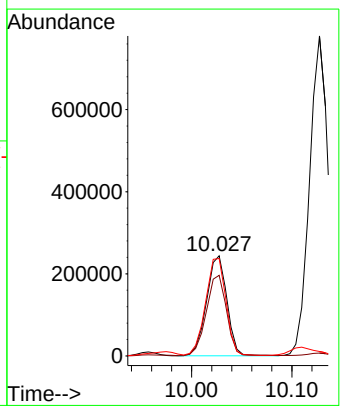


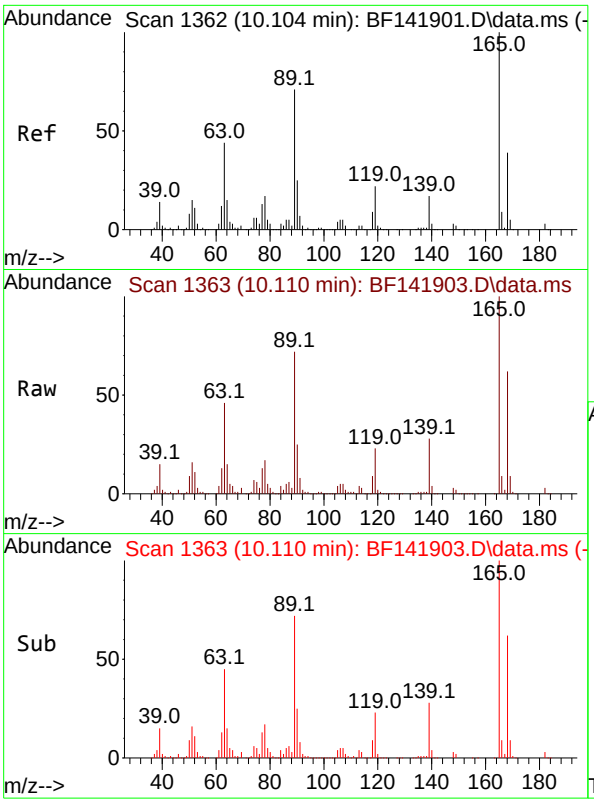


#56
4-Nitrophenol
Concen: 62.021 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:139 Resp: 343657

Ion	Ratio	Lower	Upper
139	100		
109	80.6	61.6	101.6
65	97.3	79.4	119.4



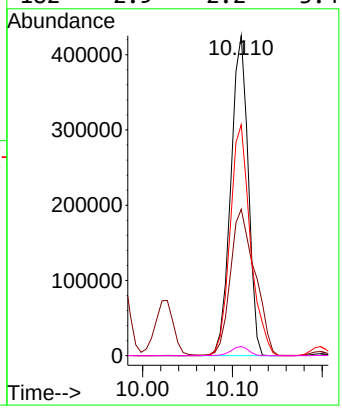


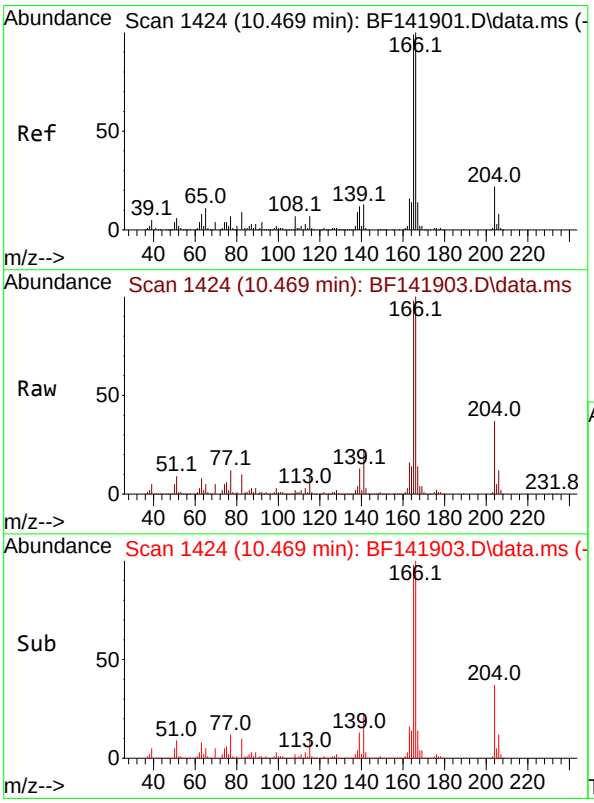
#57
2,4-Dinitrotoluene
Concen: 60.461 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 571731

Ion	Ratio	Lower	Upper
165	100		
63	45.8	35.4	53.2
89	72.1	56.6	84.8
182	2.9	2.2	3.4

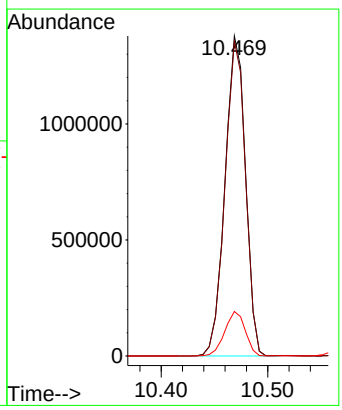


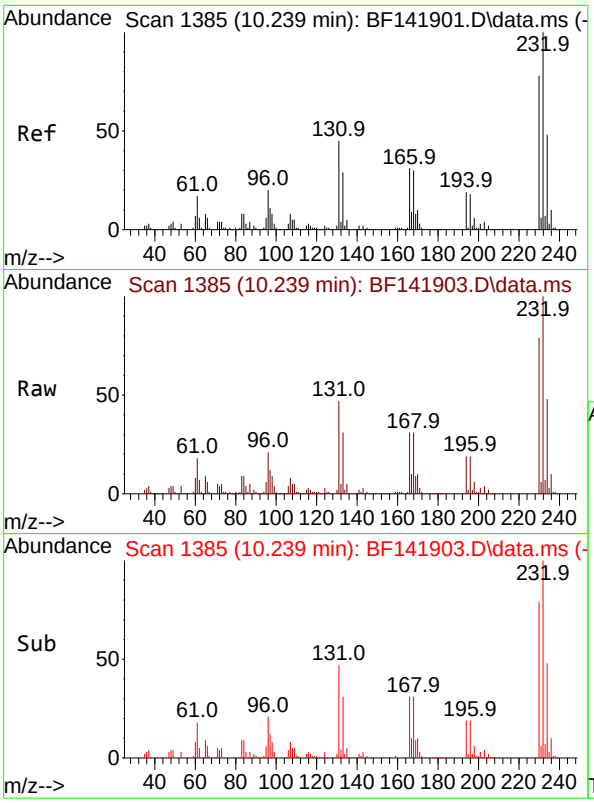


#58
Fluorene
Concen: 56.859 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:166 Resp: 1840654

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.0	118.4
167	13.9	11.0	16.4



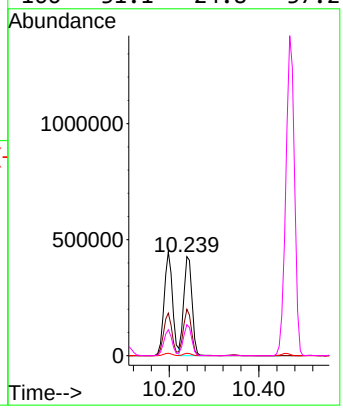


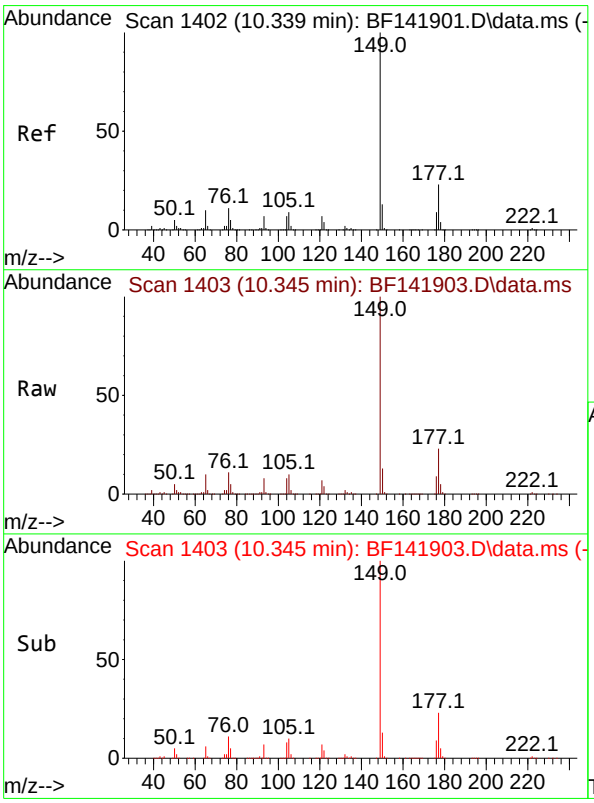
#59
2,3,4,6-Tetrachlorophenol
Concen: 60.002 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 546621

Ion	Ratio	Lower	Upper
232	100		
131	46.3	37.3	55.9
130	2.4	1.9	2.9
166	31.1	24.8	37.2

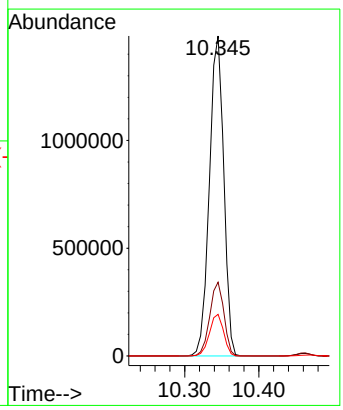


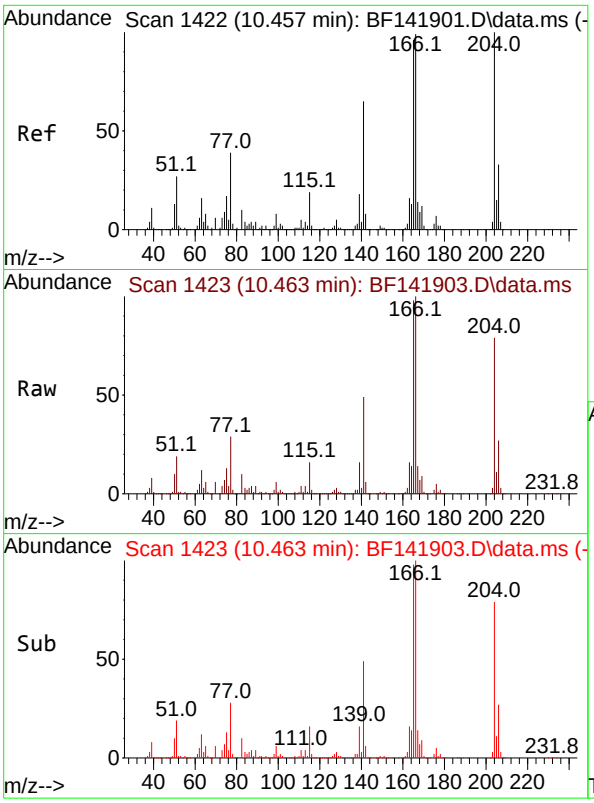


#60
Diethylphthalate
Concen: 57.552 ng
RT: 10.345 min Scan# 1403
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:149 Resp: 1995827

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.0	27.0
150	13.0	10.2	15.4



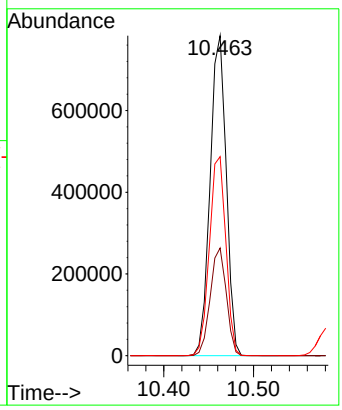


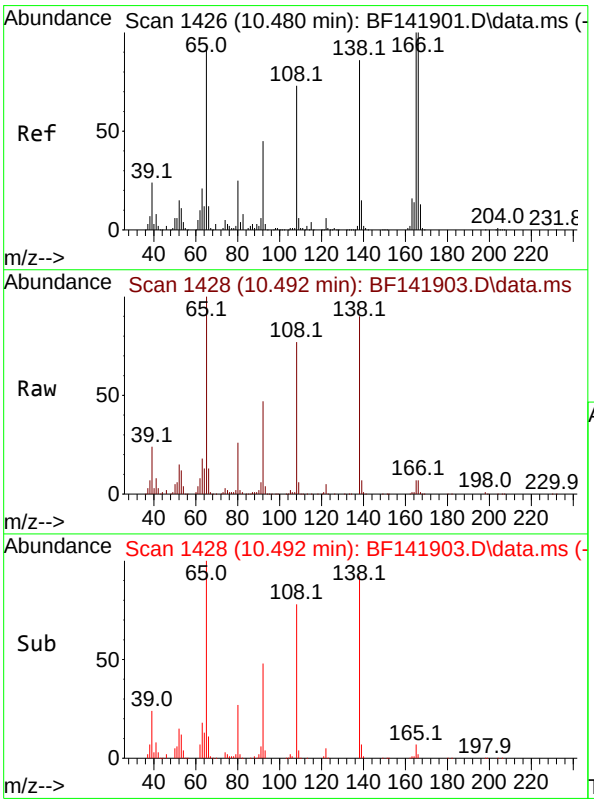
#61
4-Chlorophenyl-phenylether
Concen: 57.993 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 977819

Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.8	40.2
141	62.2	52.4	78.6

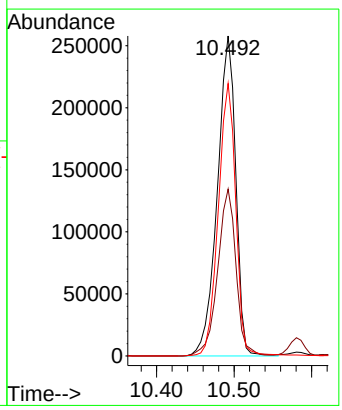


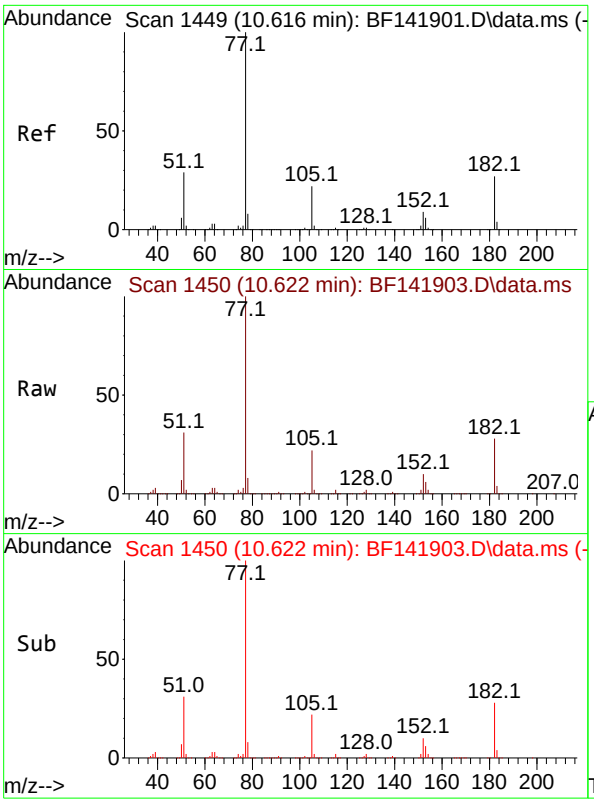


#62
4-Nitroaniline
Concen: 59.702 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:138 Resp: 426741

Ion	Ratio	Lower	Upper
138	100		
92	52.2	32.6	72.6
108	85.2	65.0	105.0



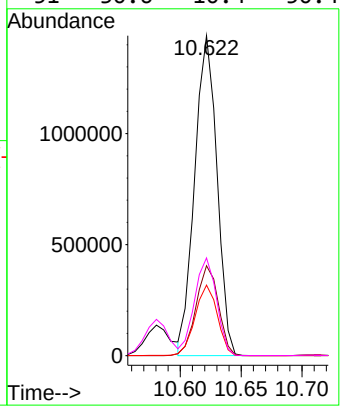


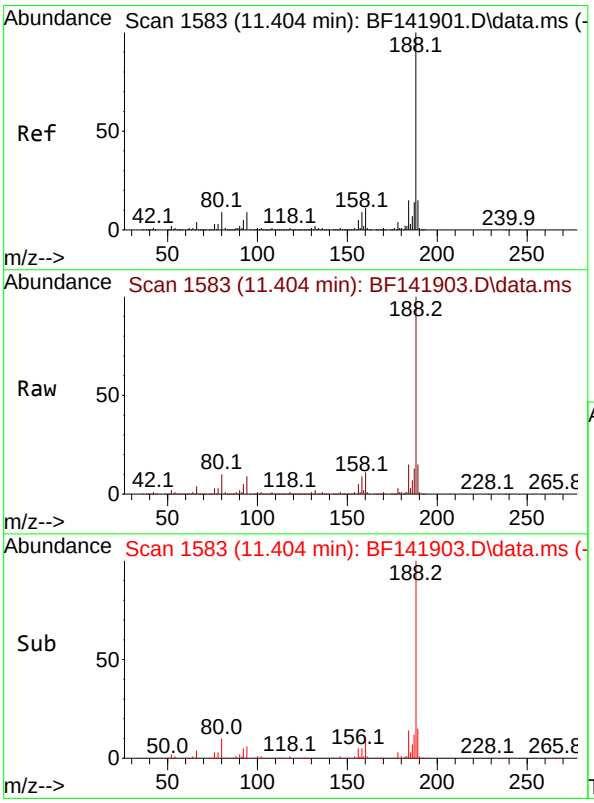
#63
Azobenzene
Concen: 56.784 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 1829282

Ion	Ratio	Lower	Upper
77	100		
182	28.1	6.6	46.6
105	22.0	1.3	41.3
51	30.6	10.4	50.4

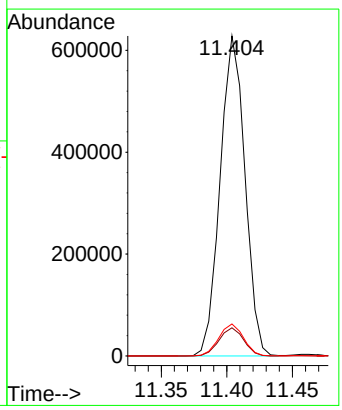


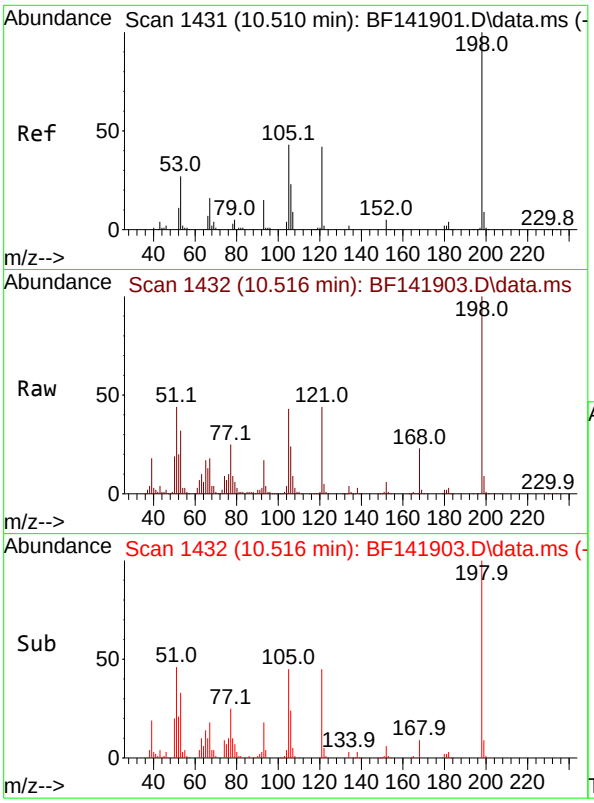


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:188 Resp: 827202

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.8	10.2
80	10.0	7.6	11.4



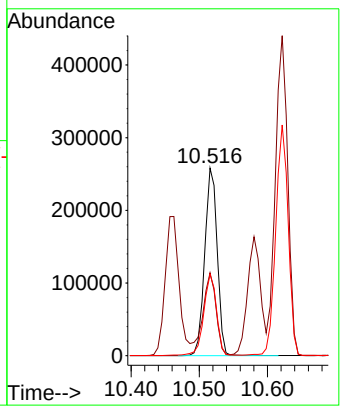


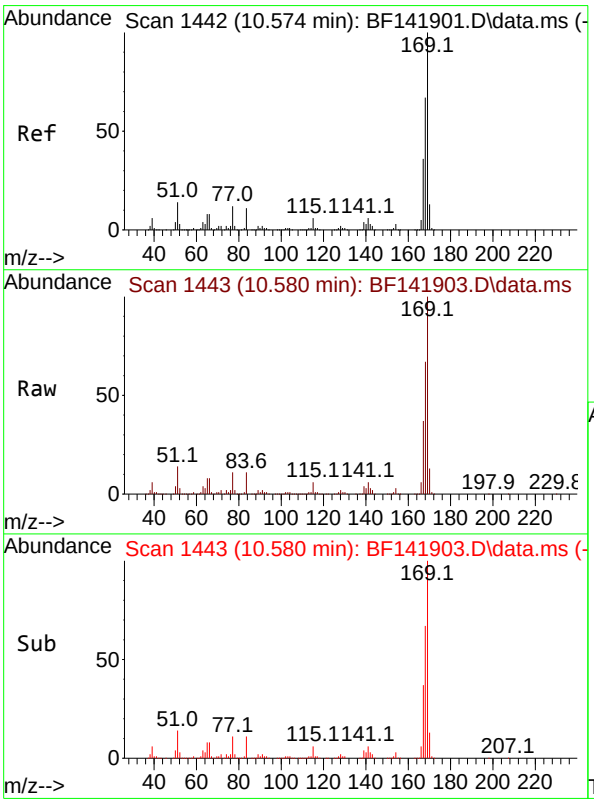
#65
4,6-Dinitro-2-methylphenol
Concen: 67.356 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 330315

Ion	Ratio	Lower	Upper
198	100		
51	44.2	22.3	62.3
105	43.4	23.0	63.0

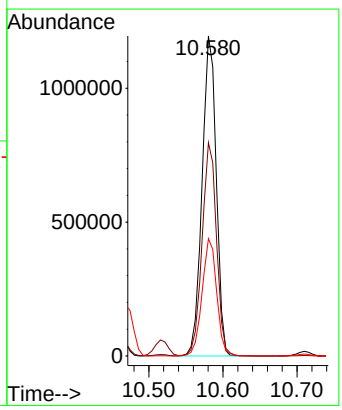


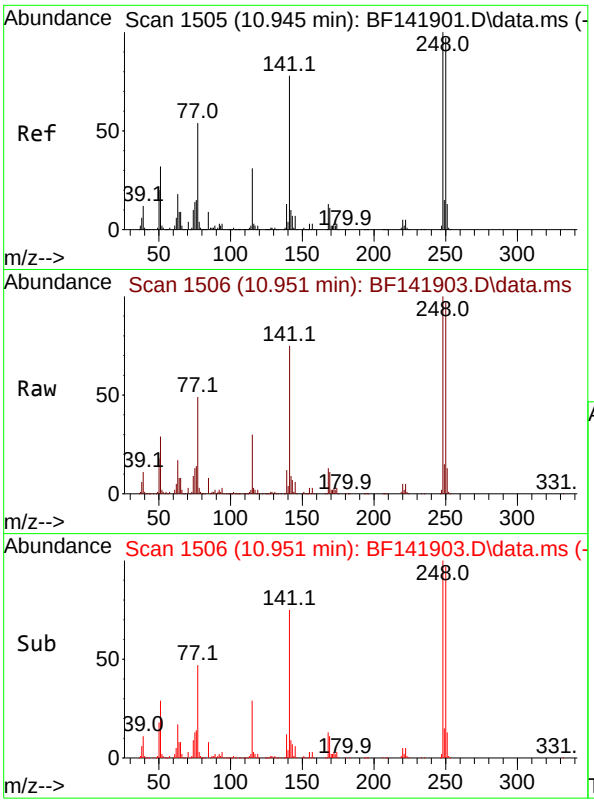


#66
n-Nitrosodiphenylamine
Concen: 59.270 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:169 Resp: 1583832

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.7	80.5
167	36.6	29.2	43.8



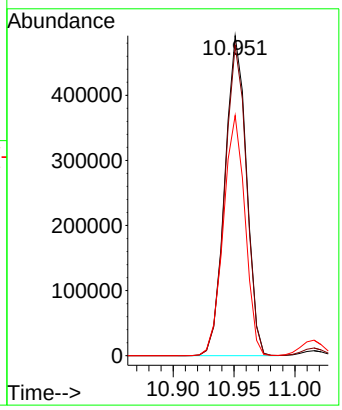


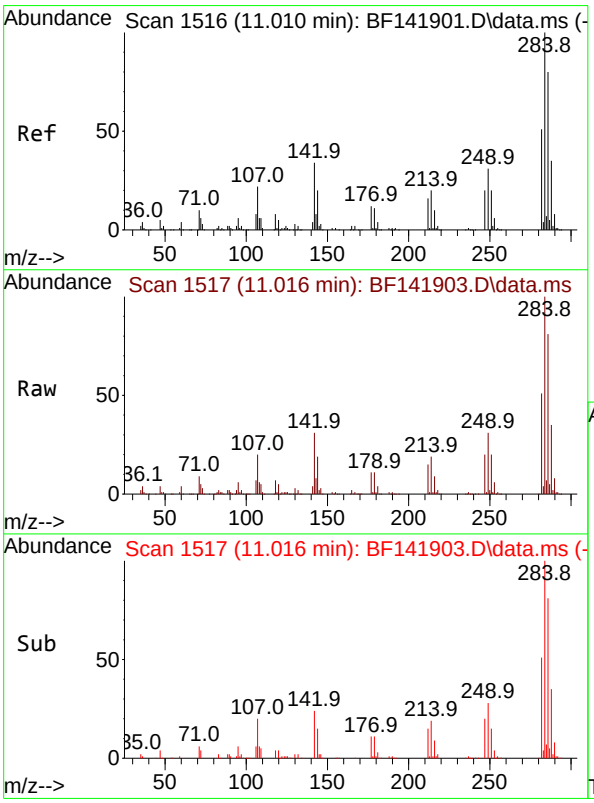
#67
4-Bromophenyl-phenylether
Concen: 59.044 ng
RT: 10.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 608246

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.8	116.8
141	75.1	62.6	93.8

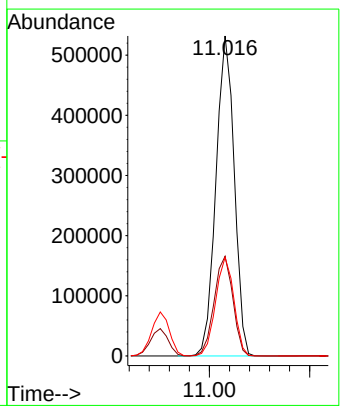


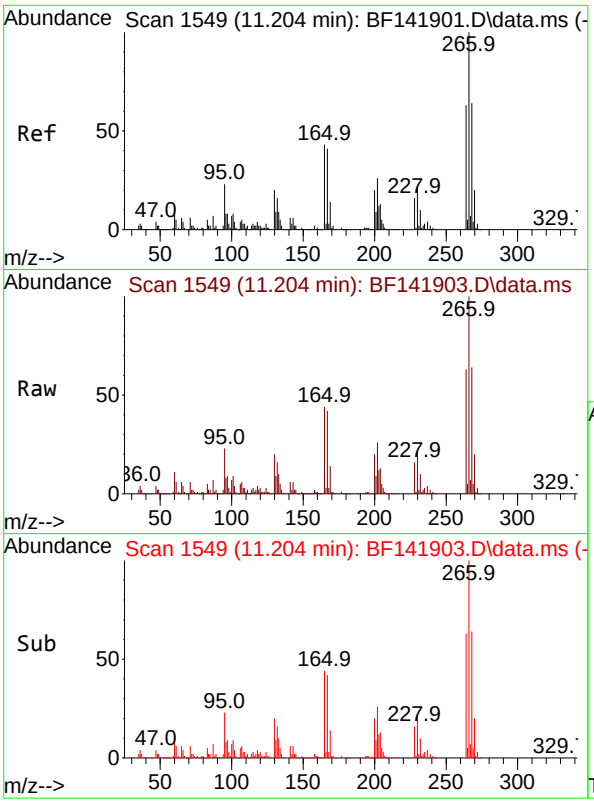


#68
Hexachlorobenzene
Concen: 59.144 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:284 Resp: 673465

Ion	Ratio	Lower	Upper
284	100		
142	31.1	27.0	40.6
249	30.8	25.2	37.8



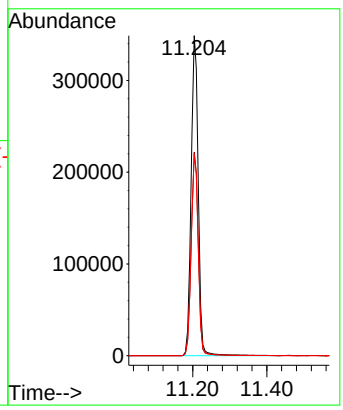


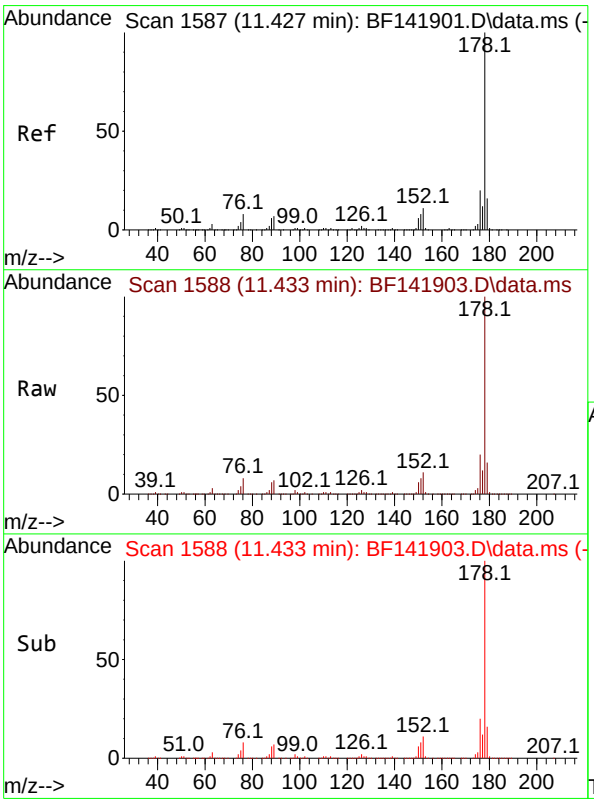
#70
Pentachlorophenol
Concen: 65.893 ng
RT: 11.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:266 Resp: 462709

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.0	76.6
264	63.1	50.2	75.2

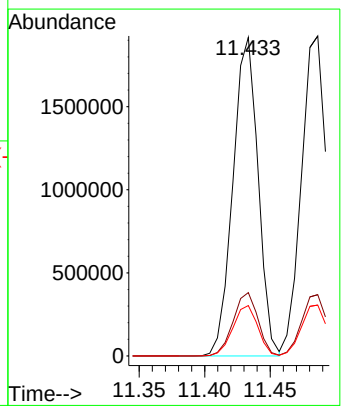


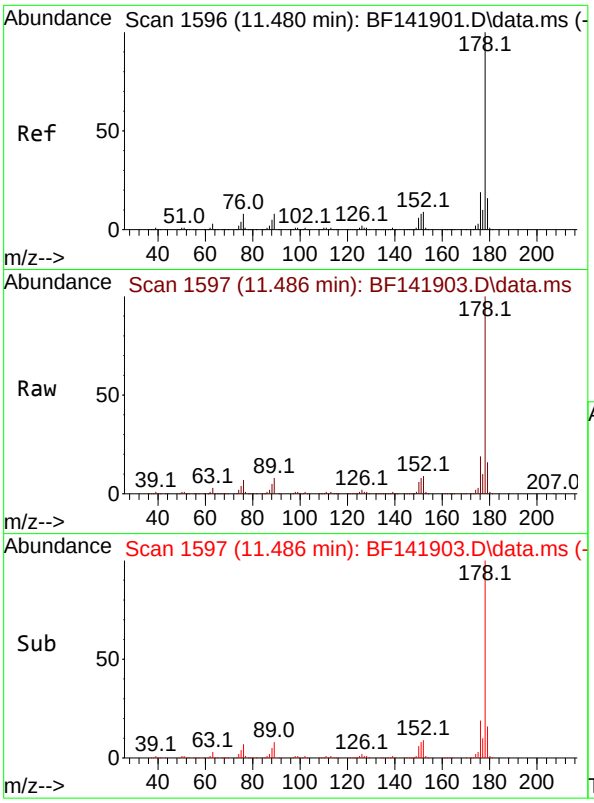


#71
Phenanthrene
Concen: 57.232 ng
RT: 11.433 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:178 Resp: 2560092

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.8	12.6	19.0



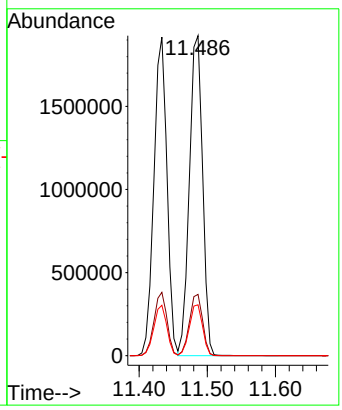


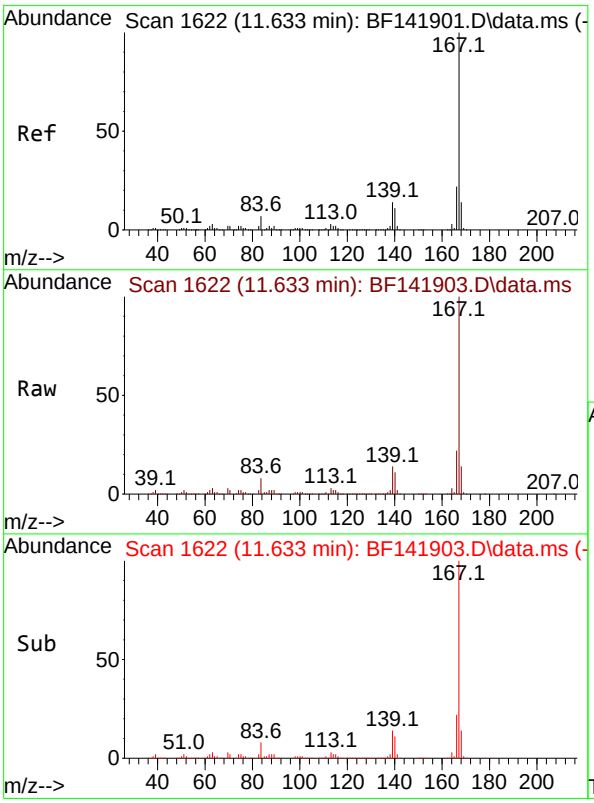
#72
Anthracene
Concen: 57.281 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 2570717

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.9	12.6	19.0

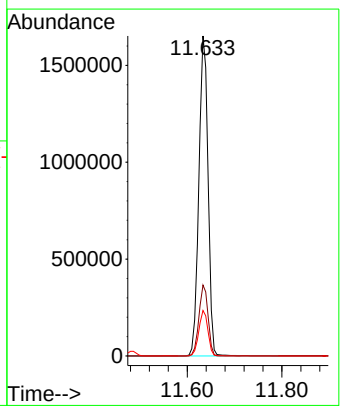


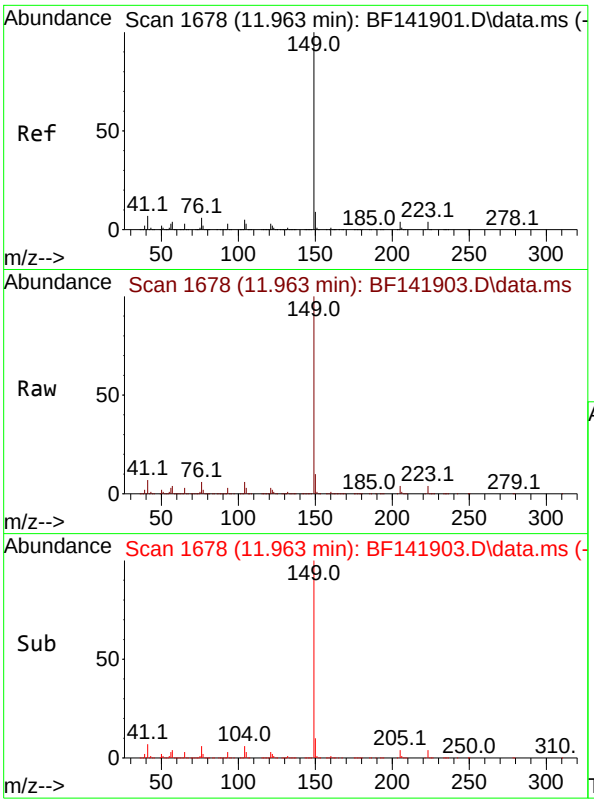


#73
Carbazole
Concen: 57.284 ng
RT: 11.633 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:167 Resp: 2213331

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.4	26.2
139	14.2	11.0	16.6



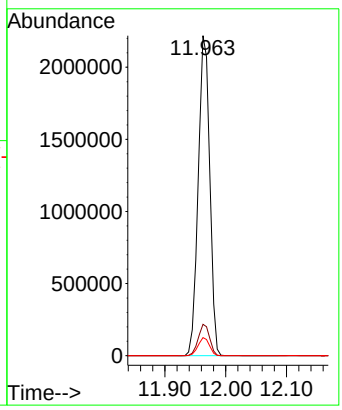


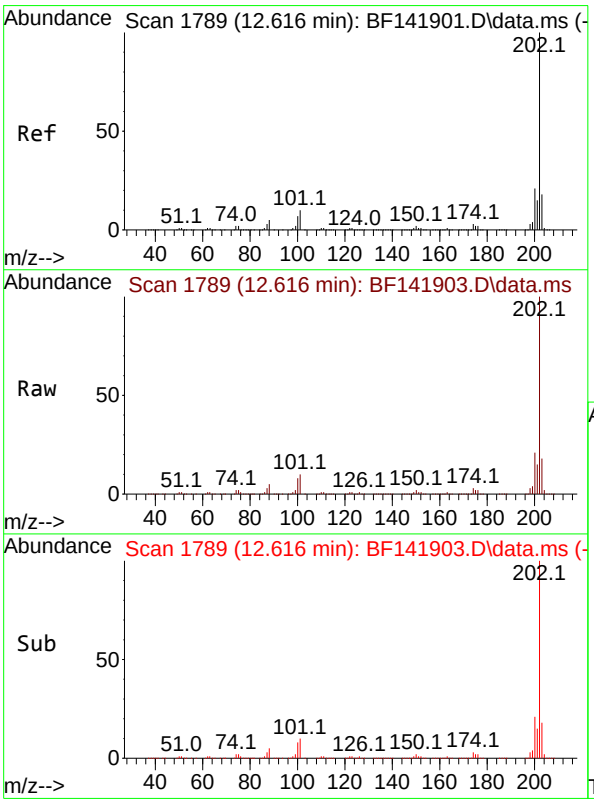
#74
Di-n-butylphthalate
Concen: 57.161 ng
RT: 11.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 2916048

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.6	11.4
104	5.6	4.4	6.6

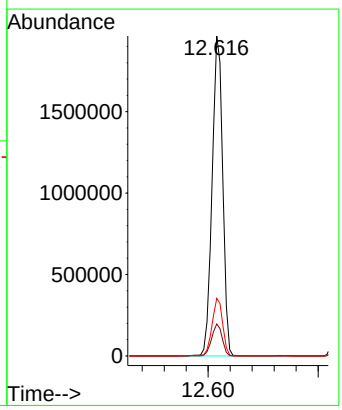


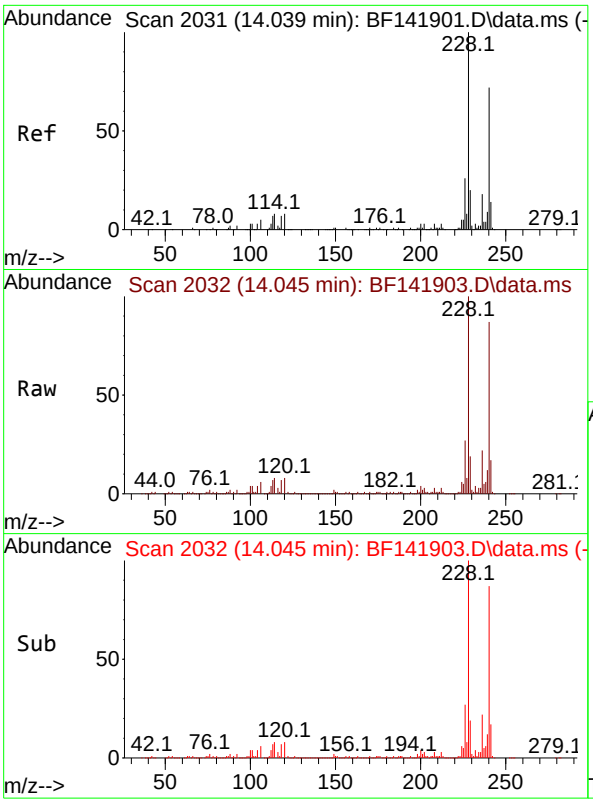


#75
Fluoranthene
Concen: 55.984 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:202 Resp: 2628993

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.7
203	18.0	0.0	37.8



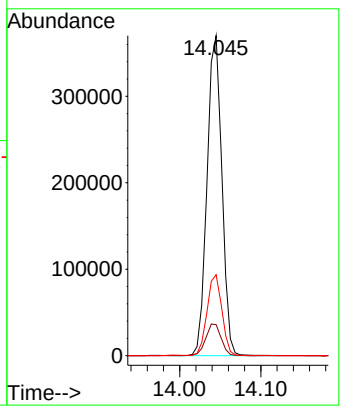


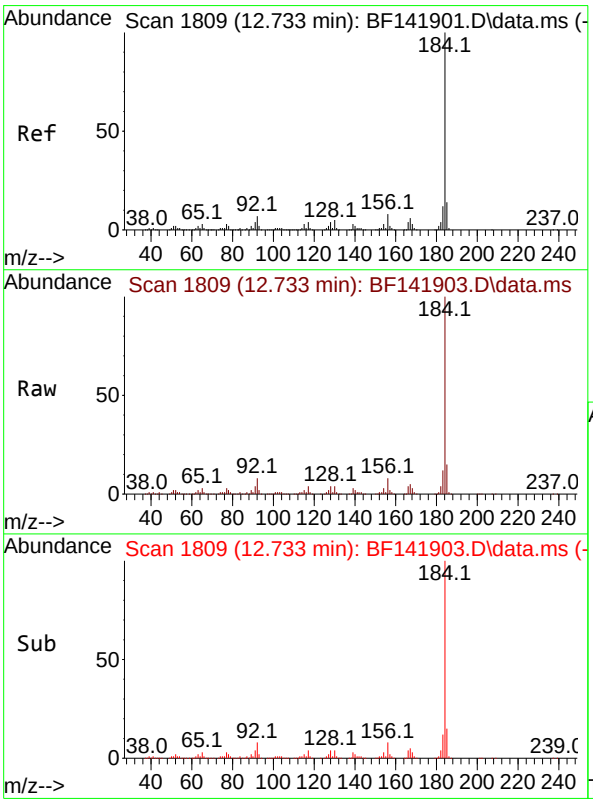
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:240 Resp: 468454

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.4	12.6
236	25.3	20.5	30.7

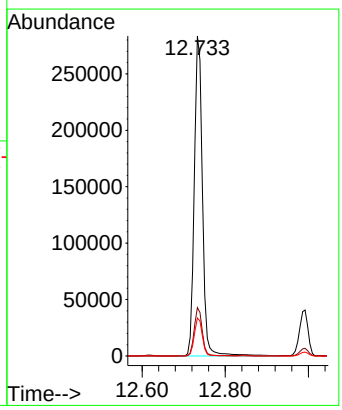


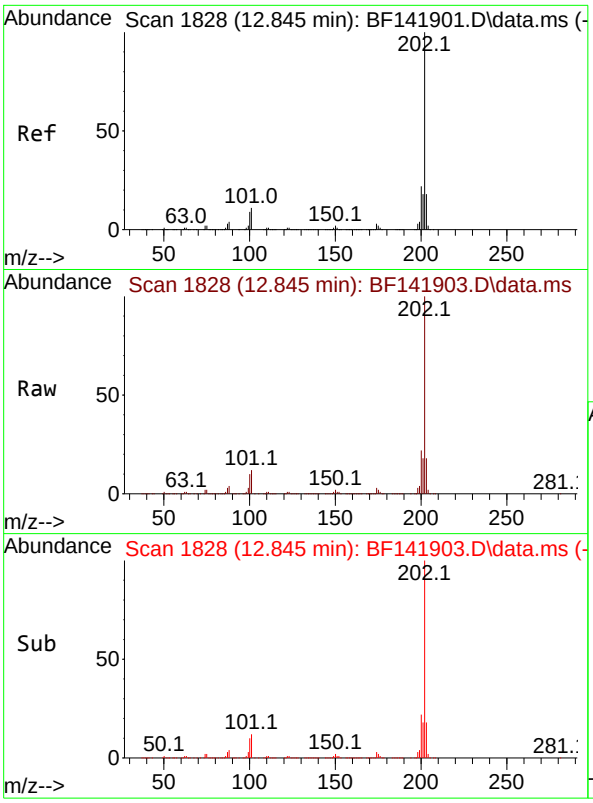


#77
Benzidine
Concen: 58.309 ng
RT: 12.733 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:184 Resp: 386007

Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.5	17.3
183	11.9	9.7	14.5



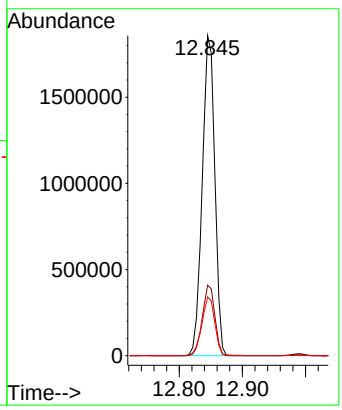


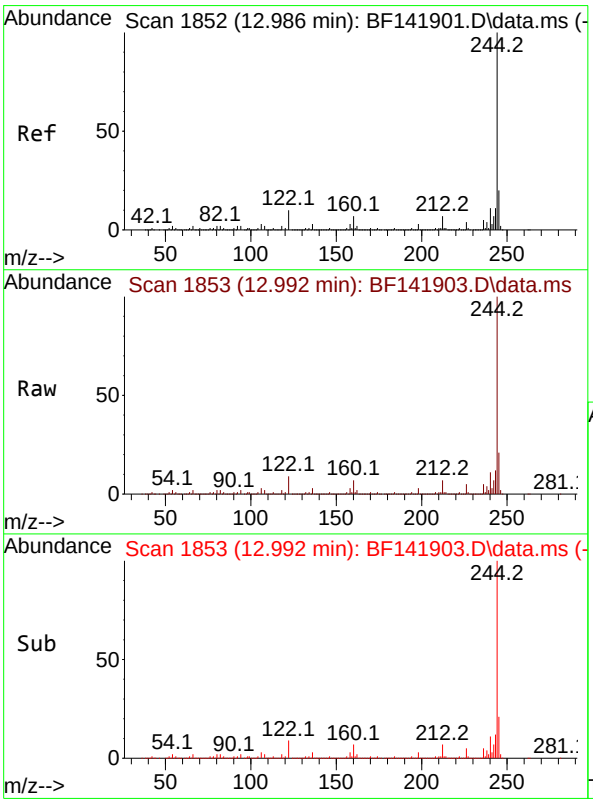
#78
Pyrene
Concen: 63.781 ng
RT: 12.845 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 2562337

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.3	25.9
203	18.4	14.4	21.6

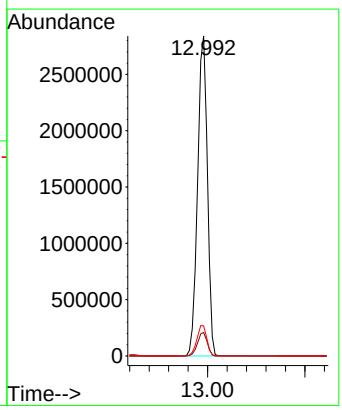


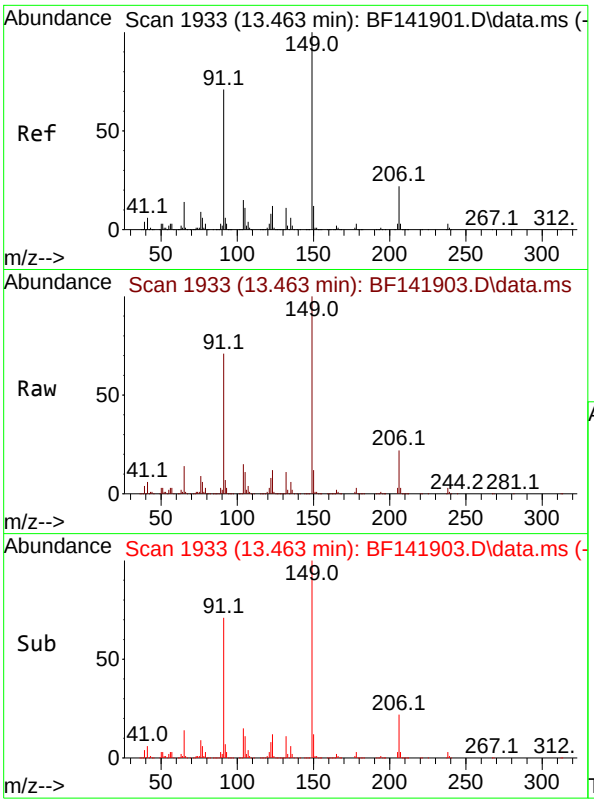


#79
Terphenyl-d14
Concen: 125.675 ng
RT: 12.992 min Scan# 1853
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:244 Resp: 3982780

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	9.4	7.7	11.5



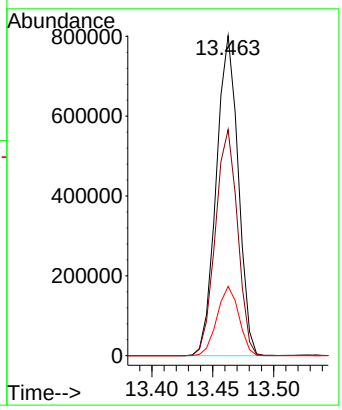


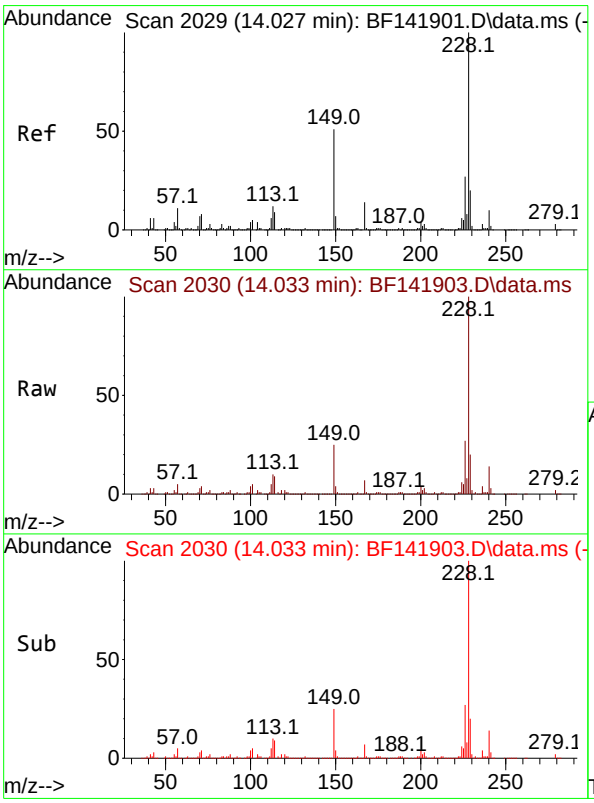
#80
Butylbenzylphthalate
Concen: 63.676 ng
RT: 13.463 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 1008043

Ion	Ratio	Lower	Upper
149	100		
91	70.7	56.5	84.7
206	21.6	17.3	25.9

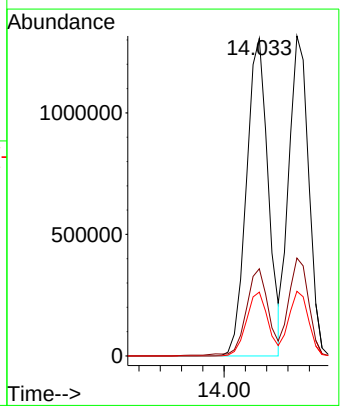


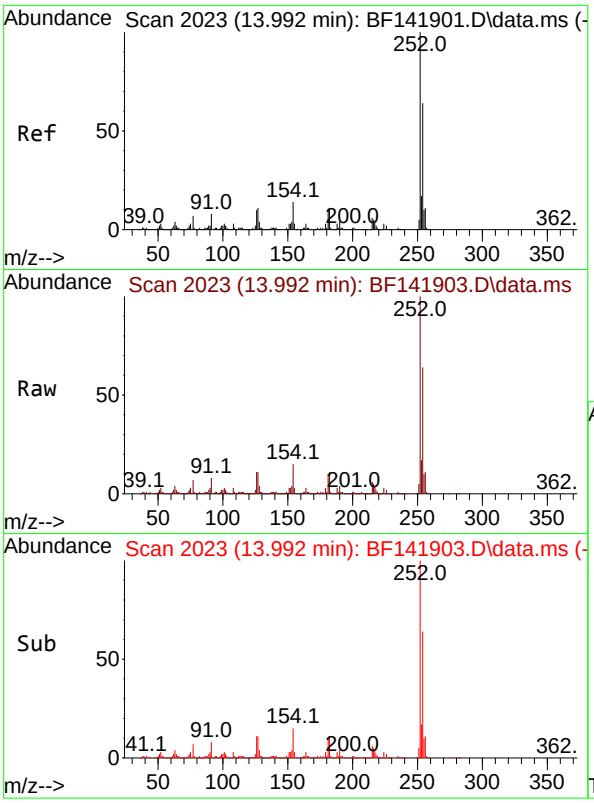


#81
Benzo(a)anthracene
Concen: 60.040 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:228 Resp: 1850347

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	20.1	16.0	24.0



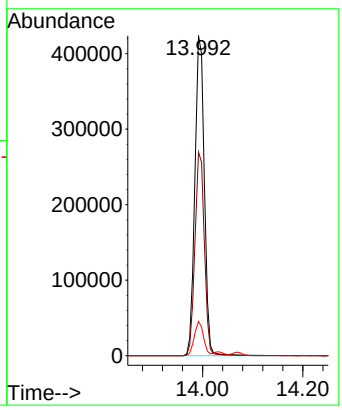


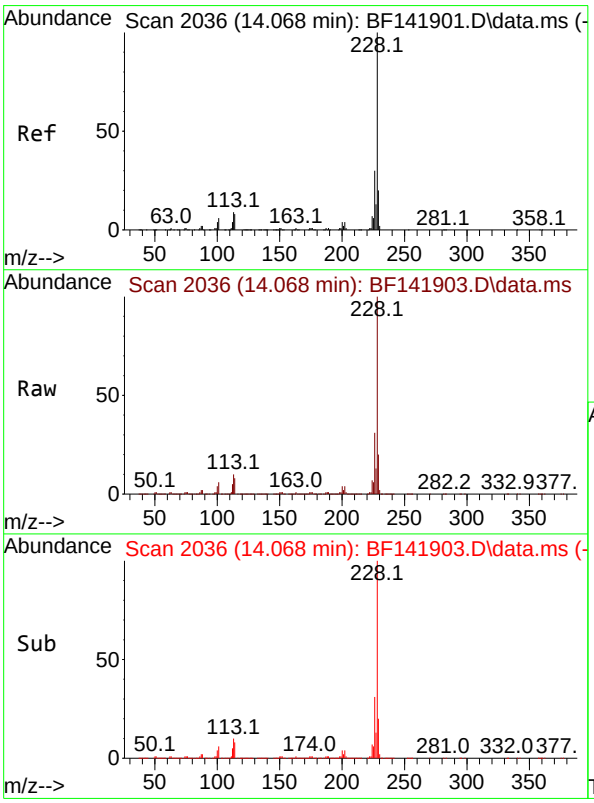
#82
3,3'-Dichlorobenzidine
Concen: 62.091 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 553078

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.0	76.6
126	10.7	8.4	12.6

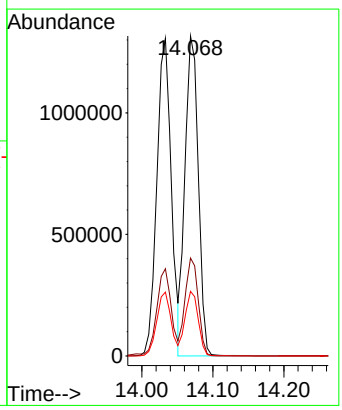


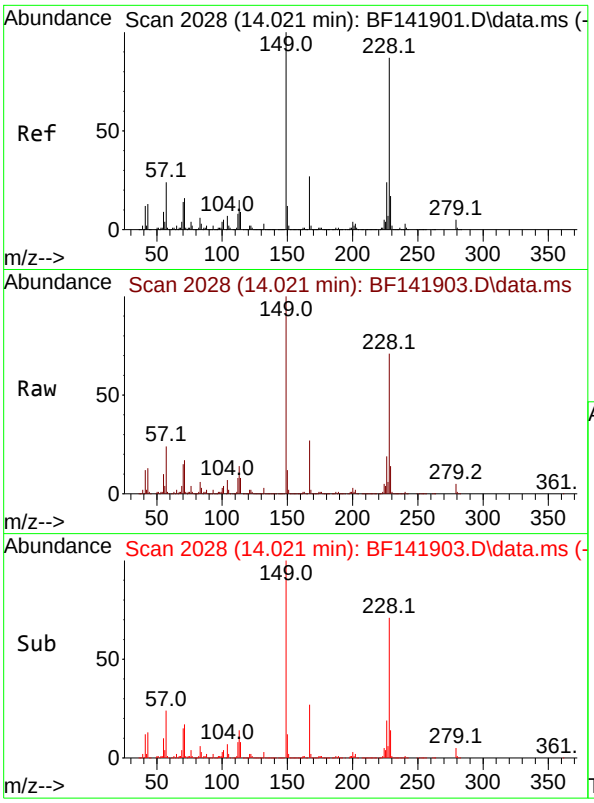


#83
Chrysene
Concen: 61.596 ng
RT: 14.068 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:228 Resp: 1705257

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	20.2	15.7	23.5



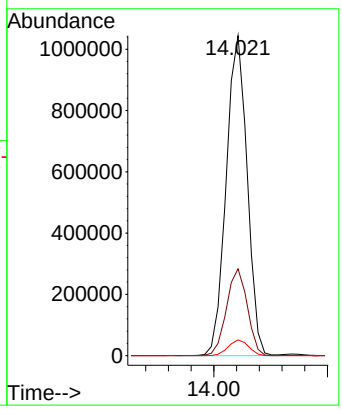


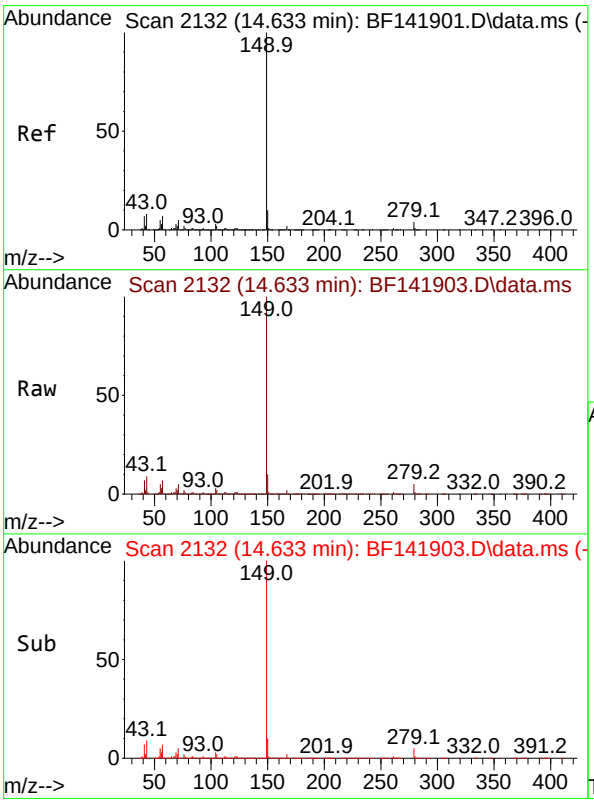
#84
Bis(2-ethylhexyl)phthalate
Concen: 61.582 ng
RT: 14.021 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 1337474

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.4	32.0
279	4.9	3.8	5.6

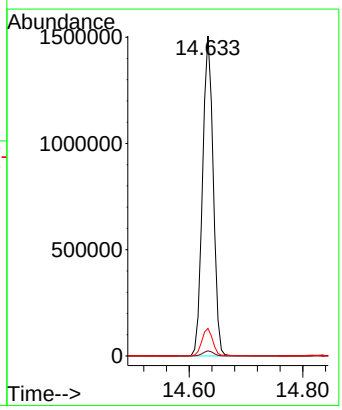


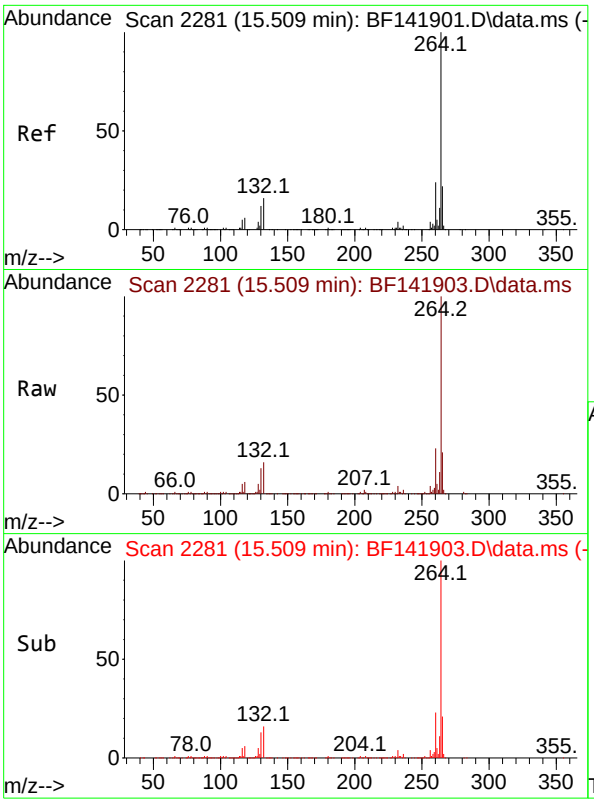


#85
Di-n-octyl phthalate
Concen: 64.613 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:149 Resp: 1953184

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.9	6.9	10.3



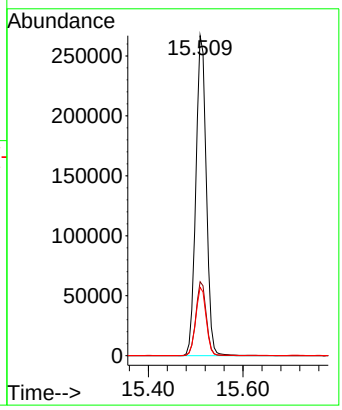


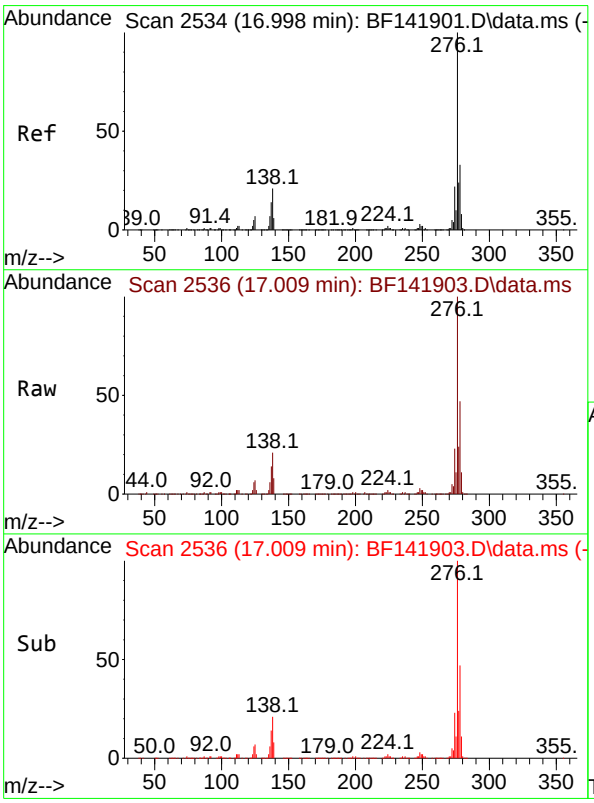
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:264 Resp: 407346

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	21.4	17.5	26.3

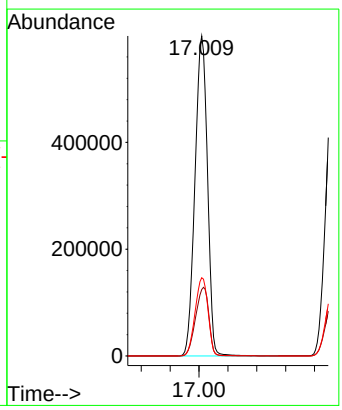


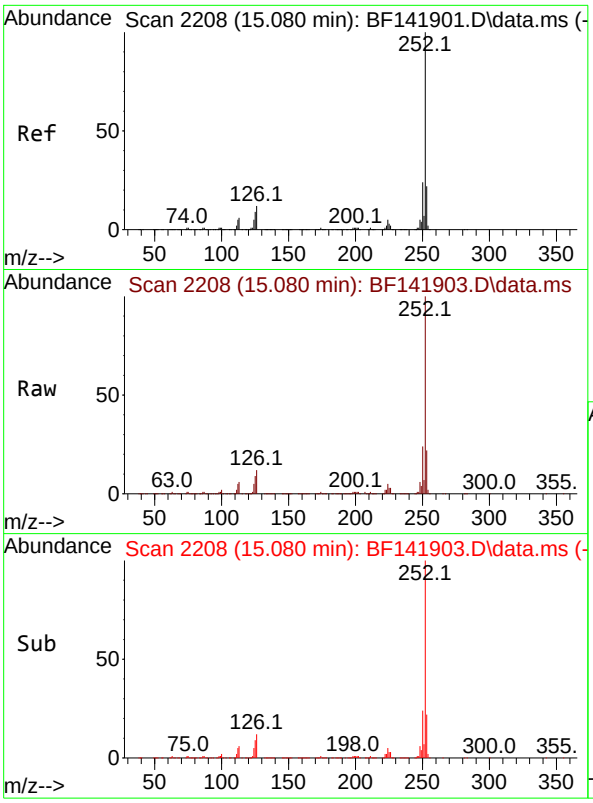


#87
Indeno(1,2,3-cd)pyrene
Concen: 68.115 ng
RT: 17.009 min Scan# 2536
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:276 Resp: 1799372

Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.4	27.6
277	25.2	20.3	30.5



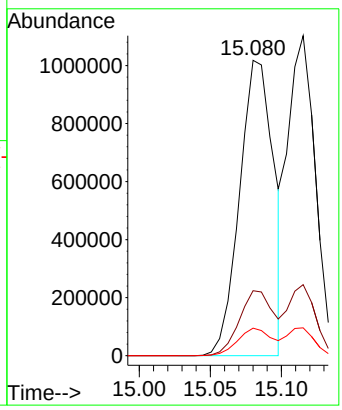


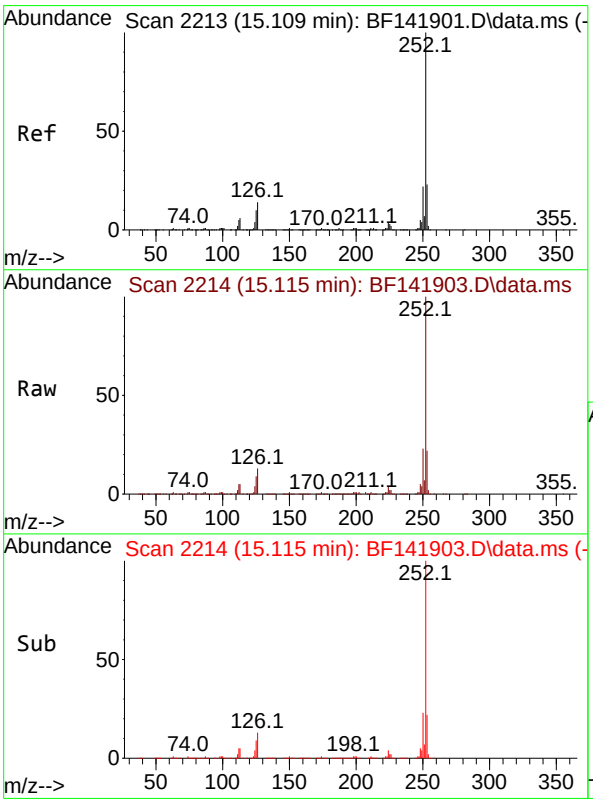
#88
Benzo(b)fluoranthene
Concen: 61.481 ng
RT: 15.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 1698744

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.3	7.0	10.4

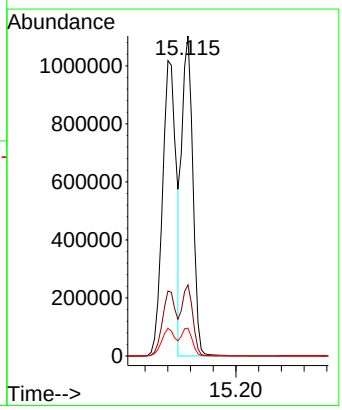


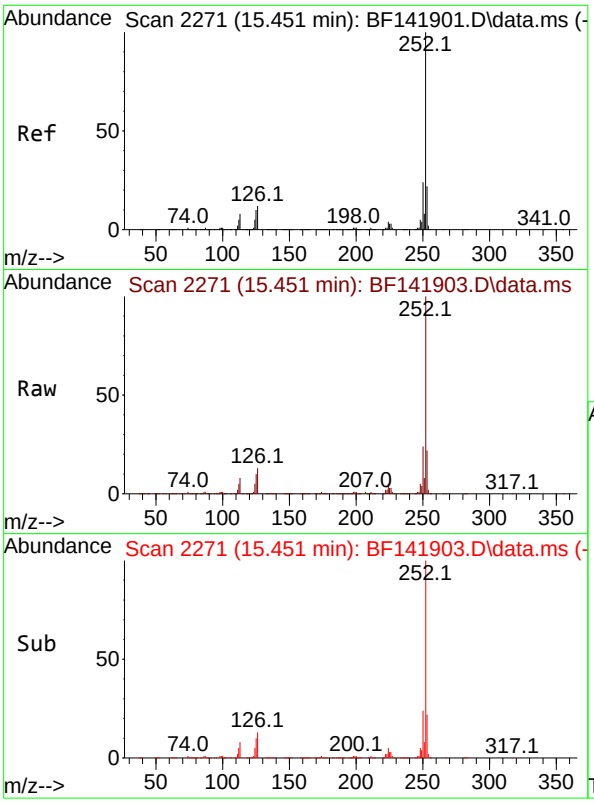


#89
Benzo(k)fluoranthene
Concen: 61.253 ng
RT: 15.115 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:252 Resp: 1478389

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	8.7	7.2	10.8



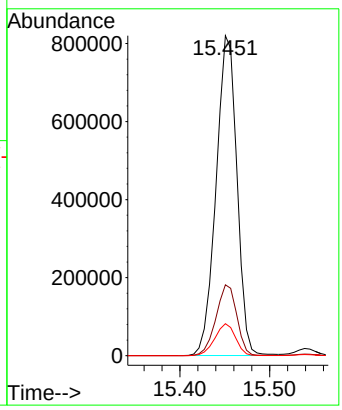


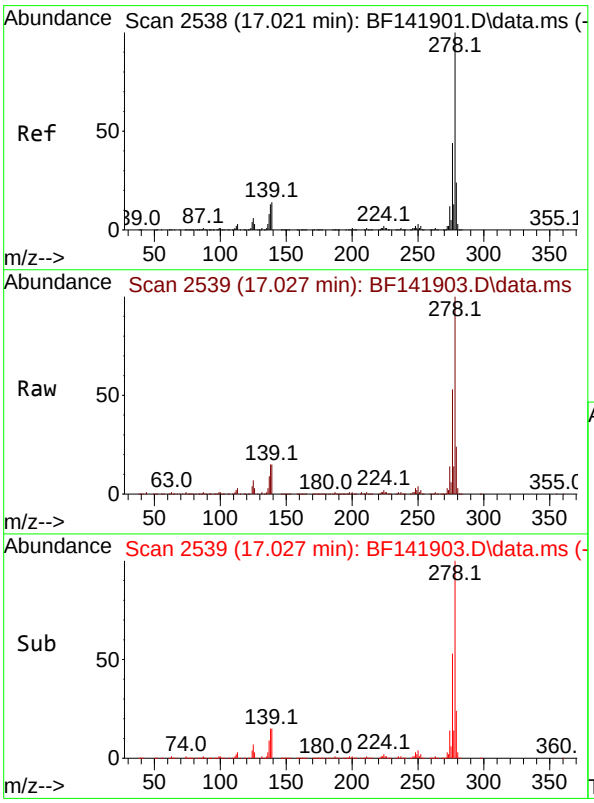
#90
Benzo(a)pyrene
Concen: 60.747 ng
RT: 15.451 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 1323726

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	10.0	7.8	11.8

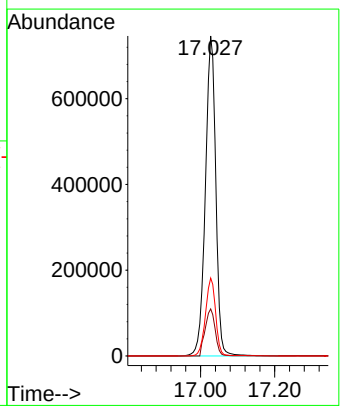


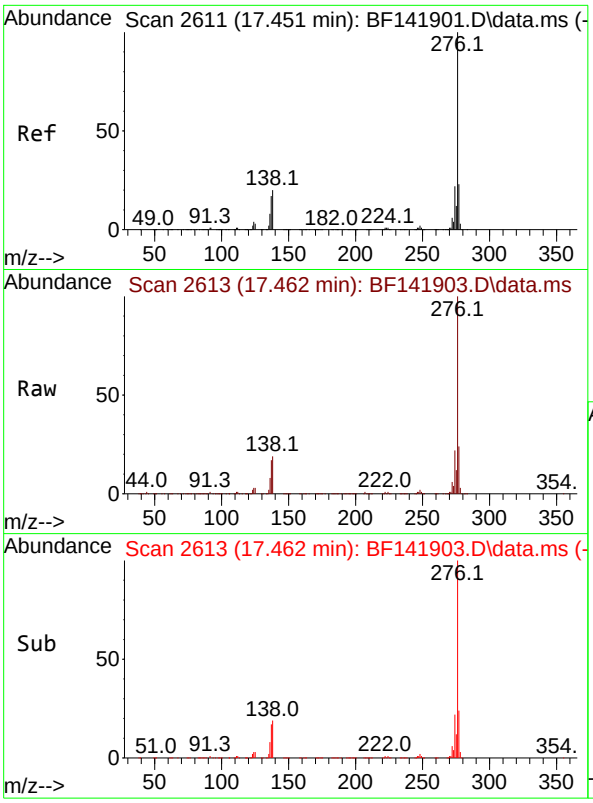


#91
Dibenzo(a,h)anthracene
Concen: 66.981 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:278 Resp: 1459934

Ion	Ratio	Lower	Upper
278	100		
139	14.7	11.4	17.2
279	24.3	18.8	28.2



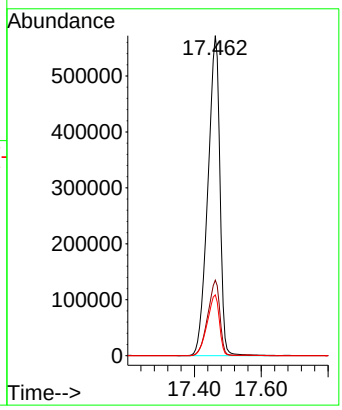


#92
Benzo(g,h,i)perylene
Concen: 65.942 ng
RT: 17.462 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 1425582

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	19.0	15.8	23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	214737	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	826030	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	452864	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	738472	20.000	ng		0.00
76) Chrysene-d12	14.045	240	424370	20.000	ng		0.00
86) Perylene-d12	15.510	264	391768	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1930406	149.991	ng		0.00
7) Phenol-d6	6.522	99	2446183	149.235	ng		0.02
23) Nitrobenzene-d5	7.457	82	2335417	158.463	ng		0.01
42) 2,4,6-Tribromophenol	10.716	330	986206	171.858	ng		0.01
45) 2-Fluorobiphenyl	9.245	172	4513418	151.763	ng		0.00
79) Terphenyl-d14	12.992	244	4700026	163.713	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	436007	80.831	ng		98
3) Pyridine	3.440	79	1059473	79.923	ng		99
4) n-Nitrosodimethylamine	3.416	42	521442	82.752	ng		99
6) Aniline	6.563	93	1160437	71.712	ng		99
8) 2-Chlorophenol	6.675	128	1078659	75.616	ng		98
10) Phenol	6.534	94	1285145	74.308	ng		89
11) bis(2-Chloroethyl)ether	6.628	93	968280	74.725	ng		99
12) 1,3-Dichlorobenzene	6.828	146	1173924	76.153	ng		100
13) 1,4-Dichlorobenzene	6.904	146	1181975	75.784	ng		99
14) 1,2-Dichlorobenzene	7.063	146	1093316	74.440	ng		99
15) Benzyl Alcohol	7.034	79	1013314	76.376	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1127534	72.198	ng		98
17) 2-Methylphenol	7.134	107	876665	77.326	ng		98
18) Hexachloroethane	7.398	117	448765	76.745	ng		96
19) n-Nitroso-di-n-propyla...	7.316	70	783318	74.351	ng		100
20) 3+4-Methylphenols	7.298	107	1050191	72.219	ng	#	84
22) Acetophenone	7.304	105	1496035	75.498	ng	#	95
24) Nitrobenzene	7.475	77	1162753	79.572	ng		100
25) Isophorone	7.722	82	2056405	79.032	ng		100
26) 2-Nitrophenol	7.787	139	599261	83.688	ng		99
27) 2,4-Dimethylphenol	7.822	122	767514	77.821	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	1248549	76.598	ng		100
29) 2,4-Dichlorophenol	8.028	162	971886	79.403	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	1062793	78.705	ng		99
31) Naphthalene	8.192	128	3152444	74.497	ng		99
32) Benzoic acid	7.975	122	795850	92.323	ng		98
33) 4-Chloroaniline	8.239	127	1088546	72.896	ng		100
34) Hexachlorobutadiene	8.304	225	713827	81.299	ng		99
35) Caprolactam	8.639	113	311758m	83.763	ng		
36) 4-Chloro-3-methylphenol	8.716	107	1056917	77.644	ng		99
37) 2-Methylnaphthalene	8.881	142	2129990	75.023	ng		100
38) 1-Methylnaphthalene	8.981	142	2050191	74.568	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	1127671	81.667	ng		98
41) Hexachlorocyclopentadiene	9.028	237	463300	85.031	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	741710	82.399	ng		100
44) 2,4,5-Trichlorophenol	9.198	196	736926	80.579	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.345	154	2626697	76.503	ng		99
47) 2-Chloronaphthalene	9.369	162	1992242	77.859	ng		99
48) 2-Nitroaniline	9.463	65	597778	81.326	ng		98
49) Acenaphthylene	9.786	152	2878496	75.877	ng		99
50) Dimethylphthalate	9.657	163	2428843	77.192	ng		100
51) 2,6-Dinitrotoluene	9.710	165	529139	80.867	ng		99
52) Acenaphthene	9.957	154	2085941	77.872	ng		99
53) 3-Nitroaniline	9.881	138	526980	78.435	ng		100
54) 2,4-Dinitrophenol	9.981	184	305399	81.479	ng	#	55
55) Dibenzofuran	10.128	168	2844432	74.474	ng		99
56) 4-Nitrophenol	10.033	139	416153	82.456	ng		97
57) 2,4-Dinitrotoluene	10.116	165	681278	79.099	ng		95
58) Fluorene	10.475	166	2210653	74.974	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	668027	80.507	ng		99
60) Diethylphthalate	10.345	149	2358921	74.681	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	1209021	78.724	ng		97
62) 4-Nitroaniline	10.504	138	502894	77.243	ng		98
63) Azobenzene	10.622	77	2168742	73.911	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	404505	92.396	ng		98
66) n-Nitrosodiphenylamine	10.586	169	1882098	78.895	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	774645	84.232	ng		95
68) Hexachlorobenzene	11.016	284	862357	84.832	ng		97
70) Pentachlorophenol	11.210	266	563030	89.813	ng		100
71) Phenanthrene	11.433	178	3020950	75.649	ng		99
72) Anthracene	11.486	178	3031014	75.653	ng		99
73) Carbazole	11.639	167	2552563	74.002	ng		98
74) Di-n-butylphthalate	11.969	149	3342776	73.399	ng		99
75) Fluoranthene	12.622	202	3005566	71.694	ng		99
77) Benzidine	12.733	184	427770	71.330	ng		99
78) Pyrene	12.851	202	2930115	80.513	ng		99
80) Butylbenzylphthalate	13.463	149	1149989	80.189	ng		99
81) Benzo(a)anthracene	14.033	228	2196935	78.692	ng		100
82) 3,3'-Dichlorobenzidine	13.998	252	652678	80.884	ng		99
83) Chrysene	14.074	228	2018832	80.498	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	1573231	79.962	ng		98
85) Di-n-octyl phthalate	14.633	149	2310836	84.386	ng		100
87) Indeno(1,2,3-cd)pyrene	17.009	276	2238588	88.111	ng		99
88) Benzo(b)fluoranthene	15.086	252	2246428	84.536	ng		99
89) Benzo(k)fluoranthene	15.116	252	1631675	70.292	ng		99
90) Benzo(a)pyrene	15.457	252	1725632	82.339	ng		100
91) Dibenzo(a,h)anthracene	17.033	278	1846778	88.098	ng		99
92) Benzo(g,h,i)perylene	17.468	276	1828662	87.950	ng		99

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

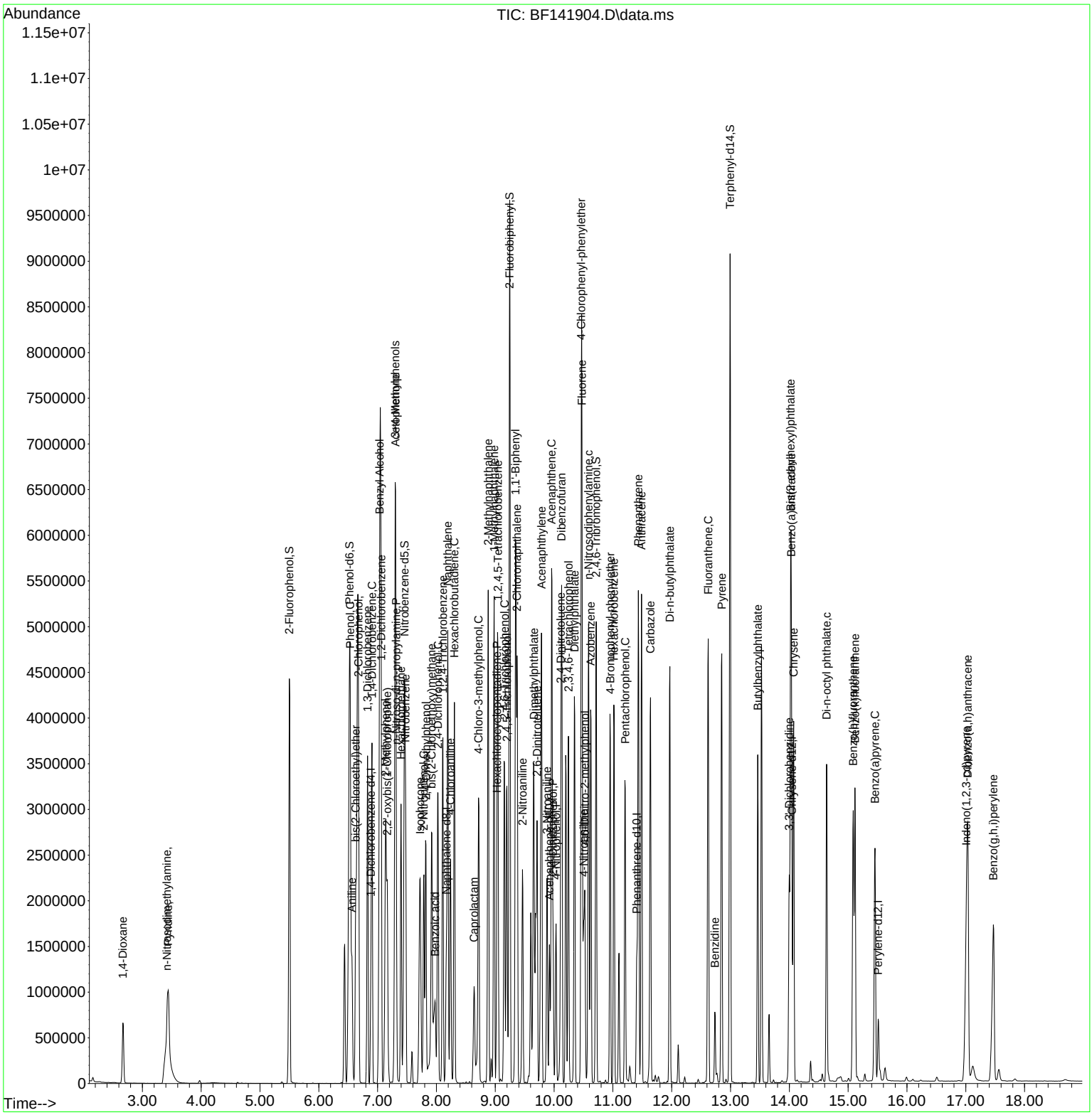
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

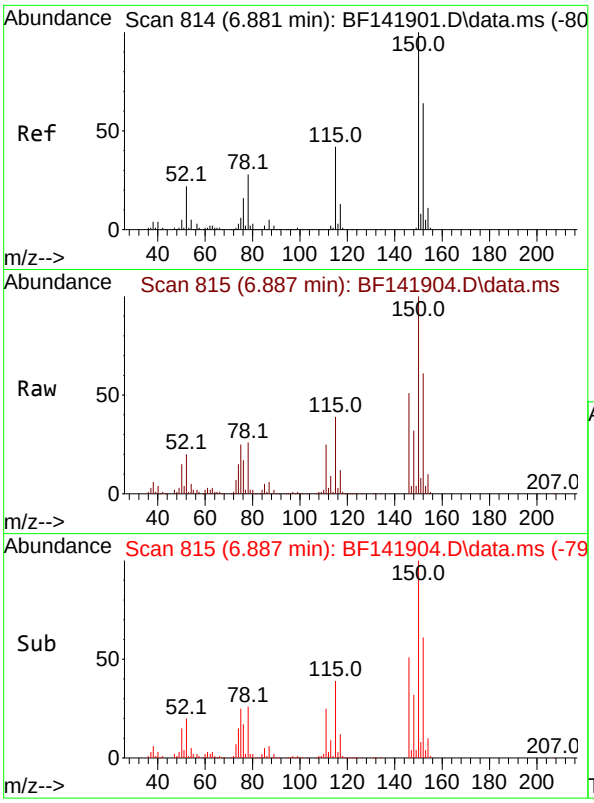
Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

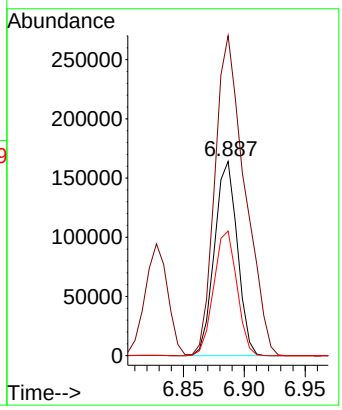




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:152 Resp: 21473

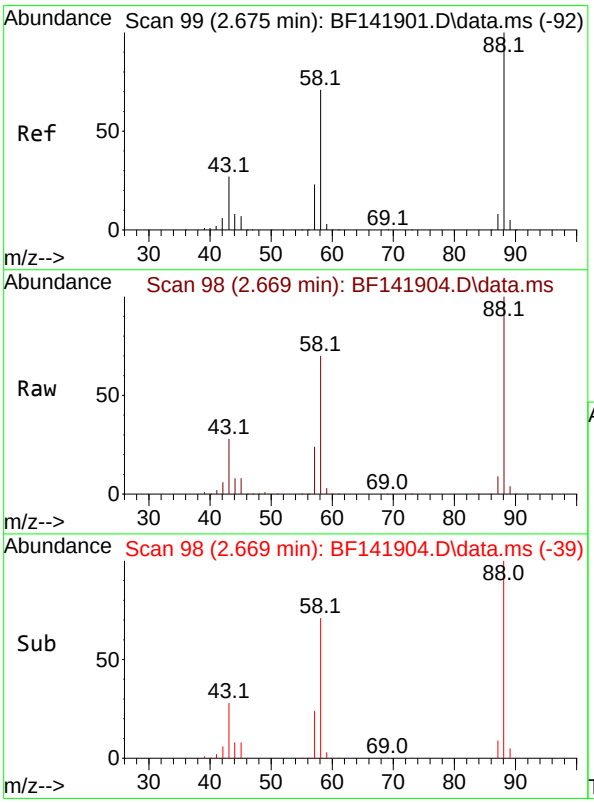
Ion	Ratio	Lower	Upper
152	100		
150	164.7	127.4	191.2
115	64.2	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

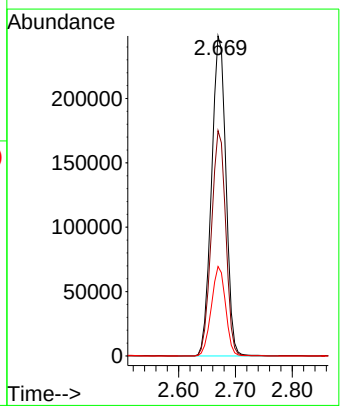
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

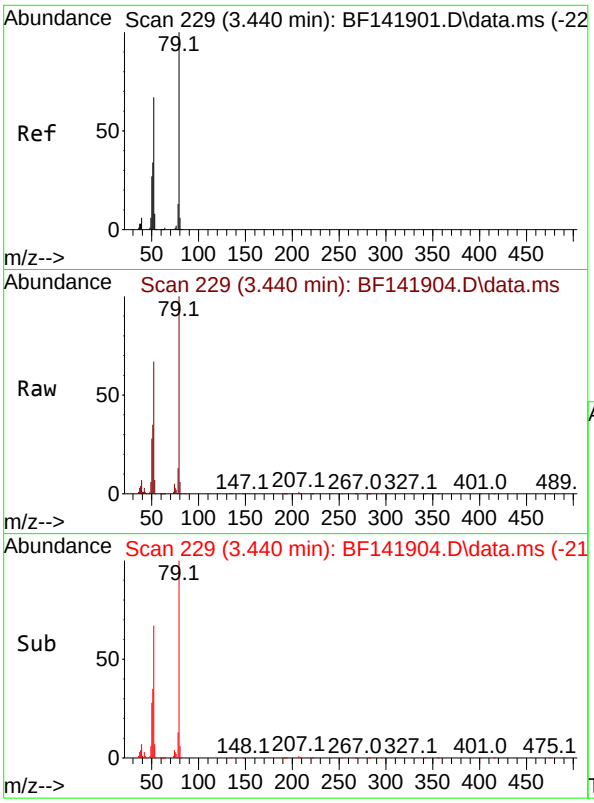


#2
1,4-Dioxane
Concen: 80.831 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 88 Resp: 436007

Ion	Ratio	Lower	Upper
88	100		
58	70.3	57.4	86.2
43	27.6	21.5	32.3

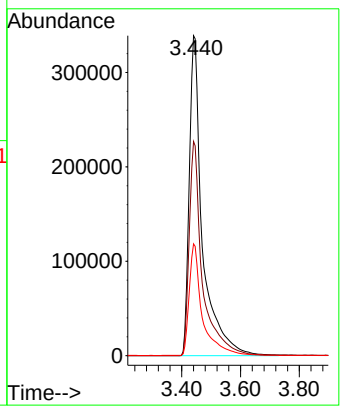




#3
Pyridine
Concen: 79.923 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 79 Resp: 105947

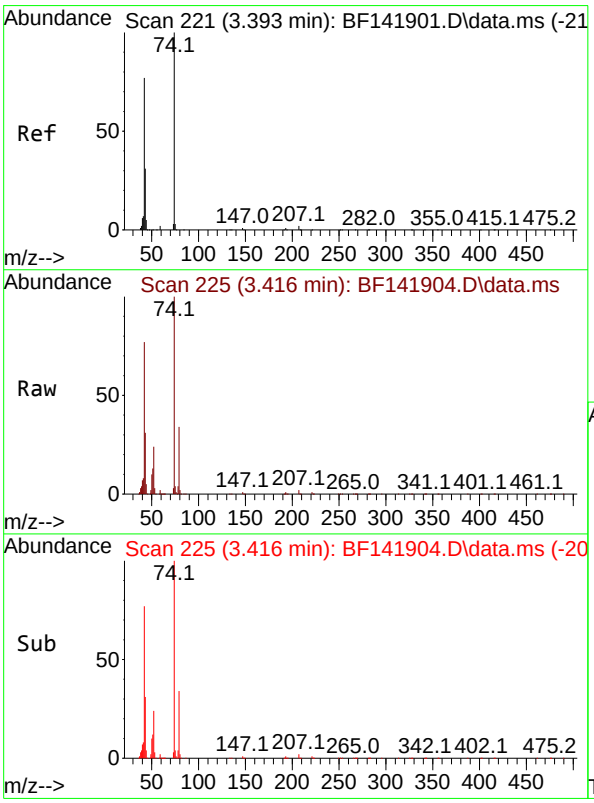
Ion	Ratio	Lower	Upper
79	100		
52	66.9	53.3	79.9
51	35.0	27.6	41.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

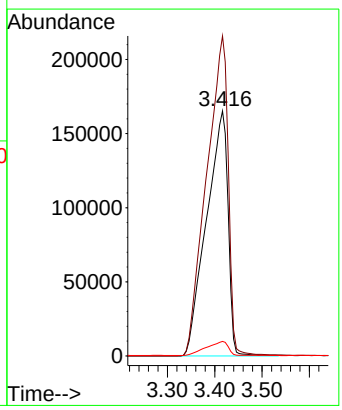
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

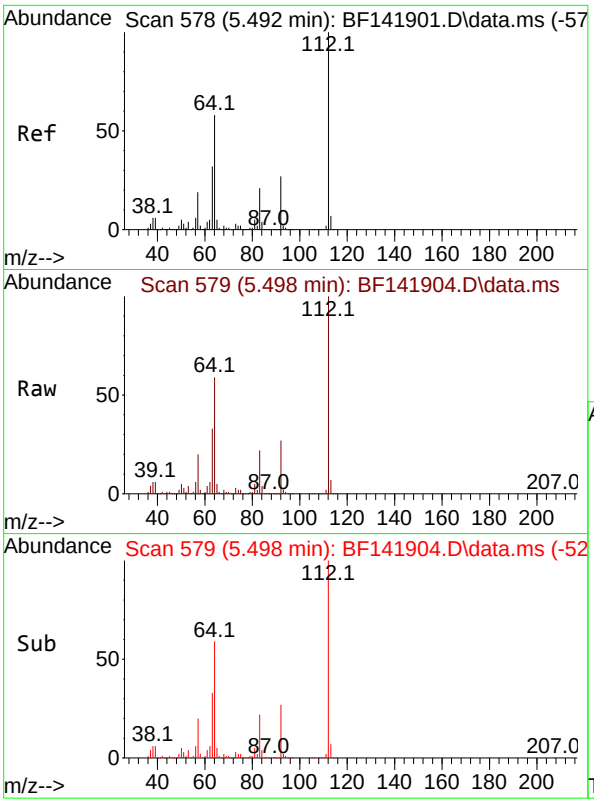


#4
n-Nitrosodimethylamine
Concen: 82.752 ng
RT: 3.416 min Scan# 225
Delta R.T. 0.024 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 42 Resp: 521442

Ion	Ratio	Lower	Upper
42	100		
74	130.6	103.4	155.0
44	6.0	5.0	7.4

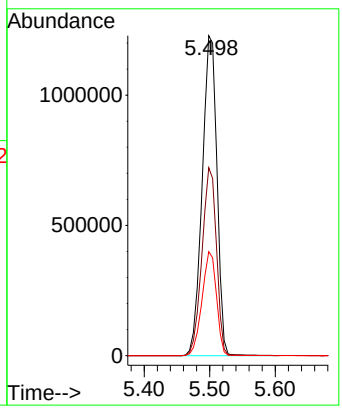




#5
2-Fluorophenol
Concen: 149.991 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:112 Resp: 193040

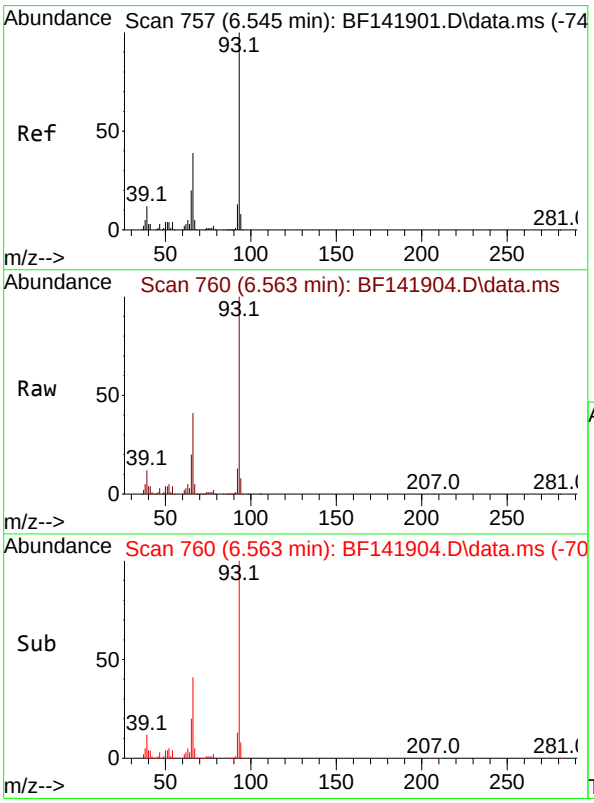
Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.5	69.7
63	32.5	25.4	38.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

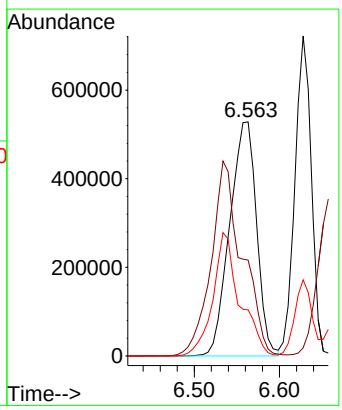
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

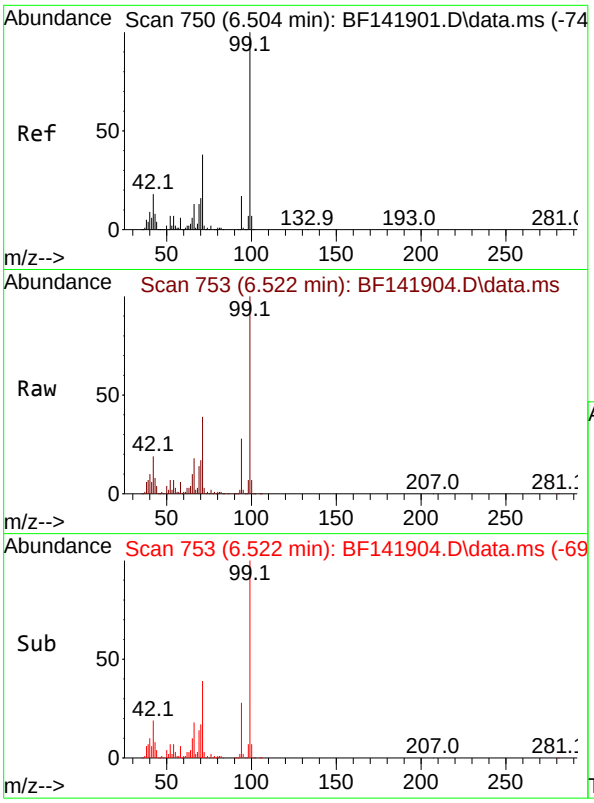


#6
Aniline
Concen: 71.712 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 93 Resp: 1160437

Ion	Ratio	Lower	Upper
93	100		
66	40.9	31.9	47.9
65	19.7	15.8	23.6

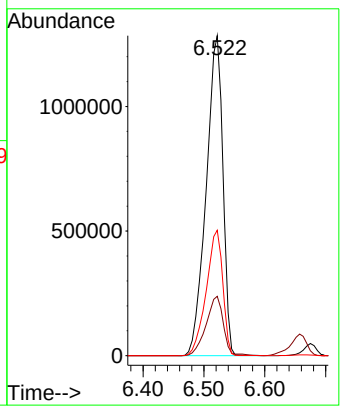




#7
Phenol-d6
Concen: 149.235 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 99 Resp: 244618

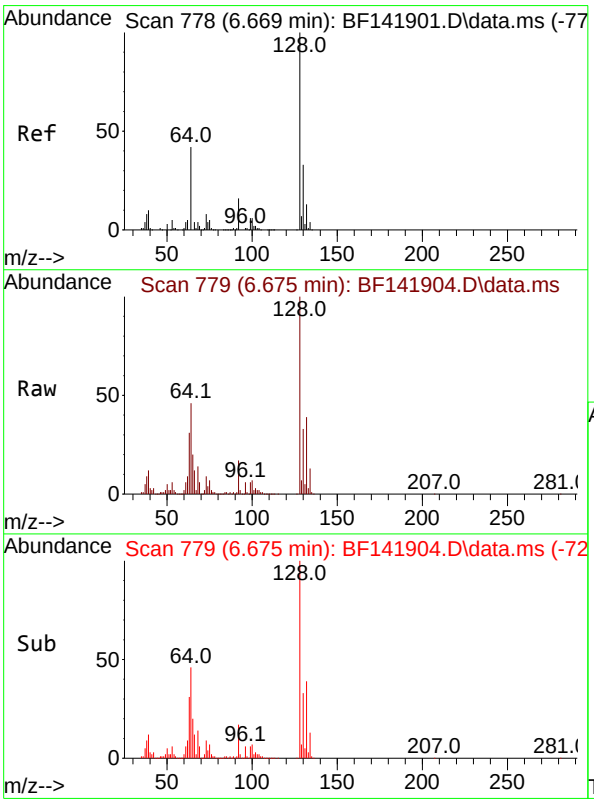
Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.6	21.8
71	39.2	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

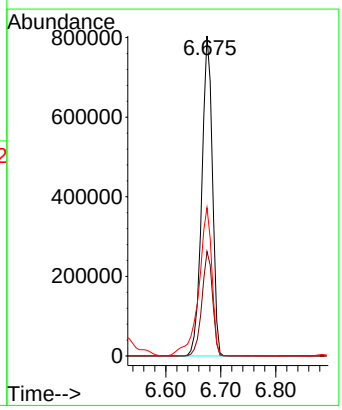
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

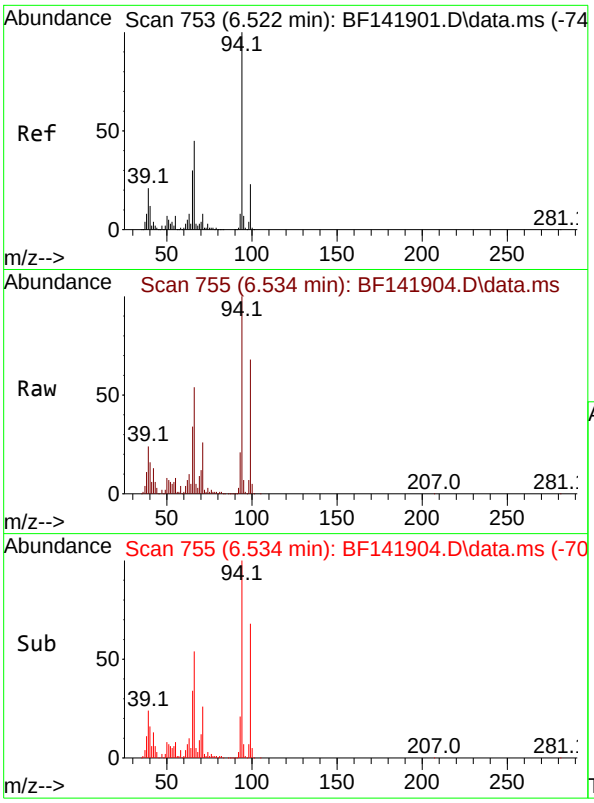


#8
2-Chlorophenol
Concen: 75.616 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:128 Resp: 1078659

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.8	52.8
64	46.4	24.4	64.4

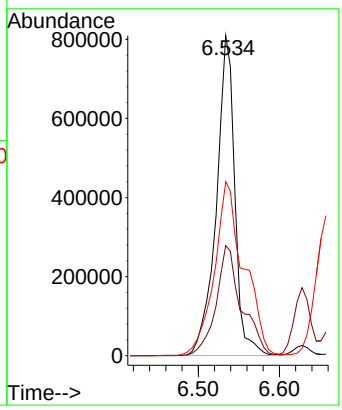




#10
Phenol
Concen: 74.308 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 94 Resp: 128514

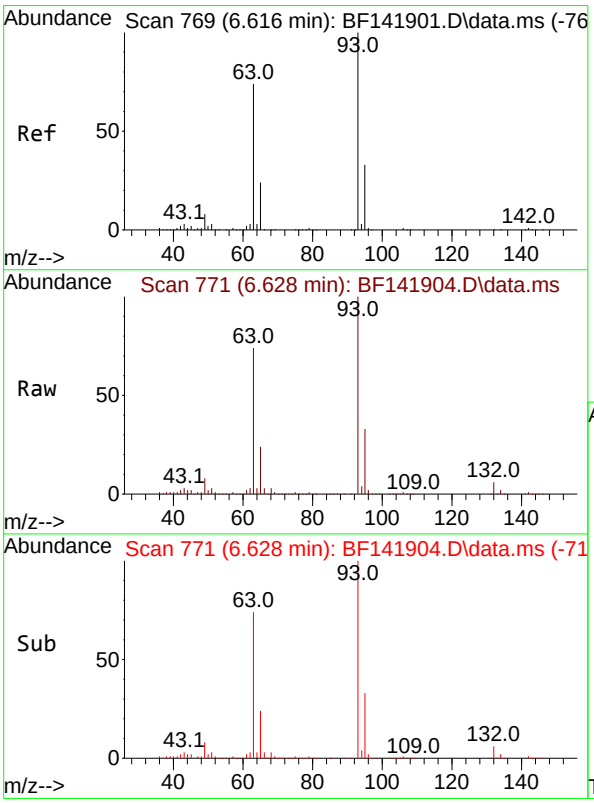
Ion	Ratio	Lower	Upper
94	100		
65	34.4	10.5	50.5
66	54.3	25.8	65.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

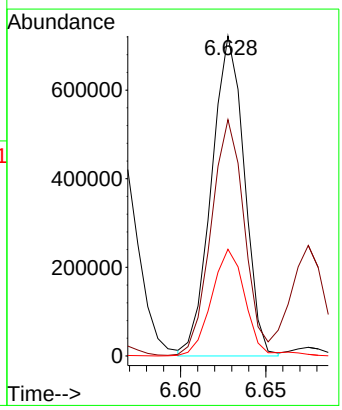
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

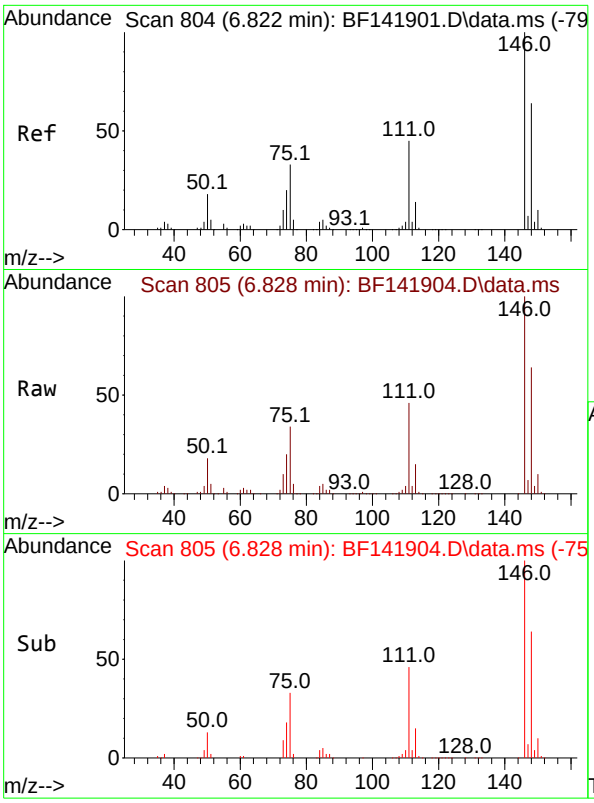


#11
bis(2-Chloroethyl)ether
Concen: 74.725 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 93 Resp: 968280

Ion	Ratio	Lower	Upper
93	100		
63	73.9	53.0	93.0
95	33.4	12.9	52.9

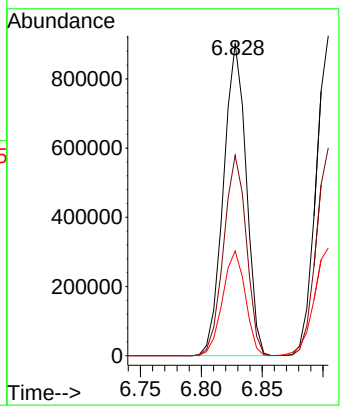




#12
1,3-Dichlorobenzene
Concen: 76.153 ng
RT: 6.828 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:146 Resp: 117392

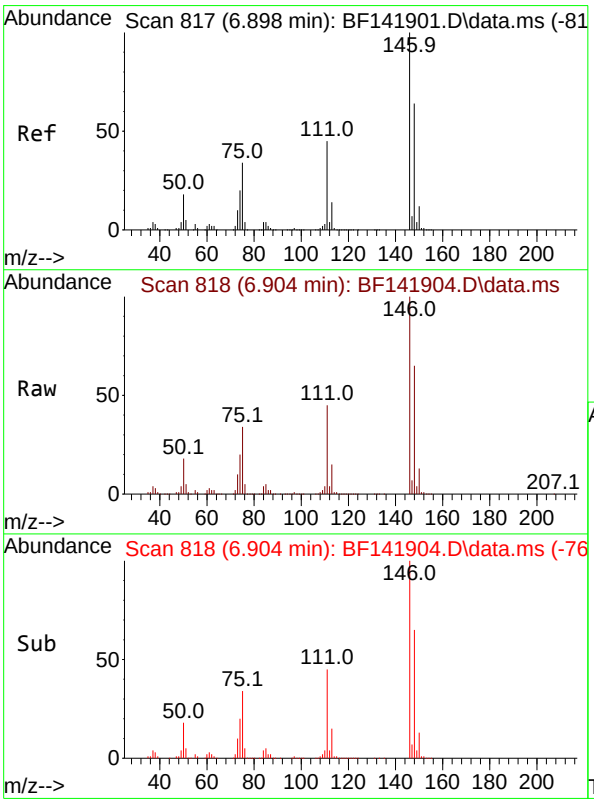
Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.3	76.9
75	33.6	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

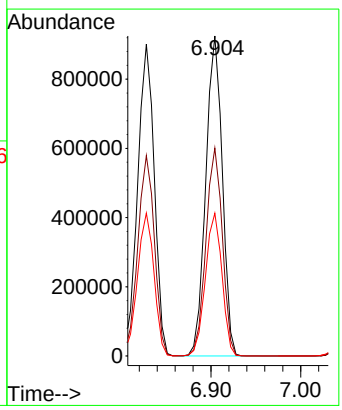
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

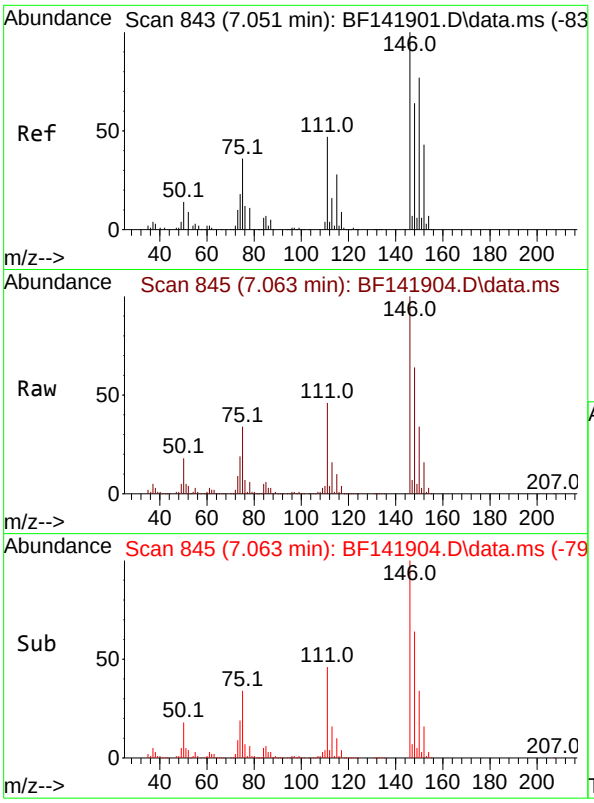


#13
1,4-Dichlorobenzene
Concen: 75.784 ng
RT: 6.904 min Scan# 818
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:146 Resp: 1181975

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.0	76.6
111	44.6	35.7	53.5

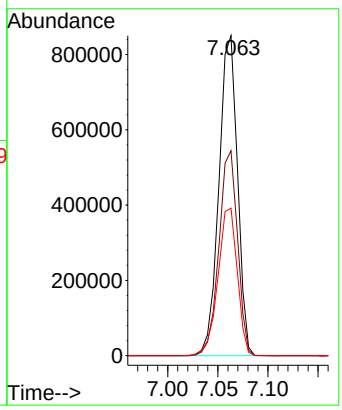




#14
1,2-Dichlorobenzene
Concen: 74.440 ng
RT: 7.063 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:146 Resp: 109331

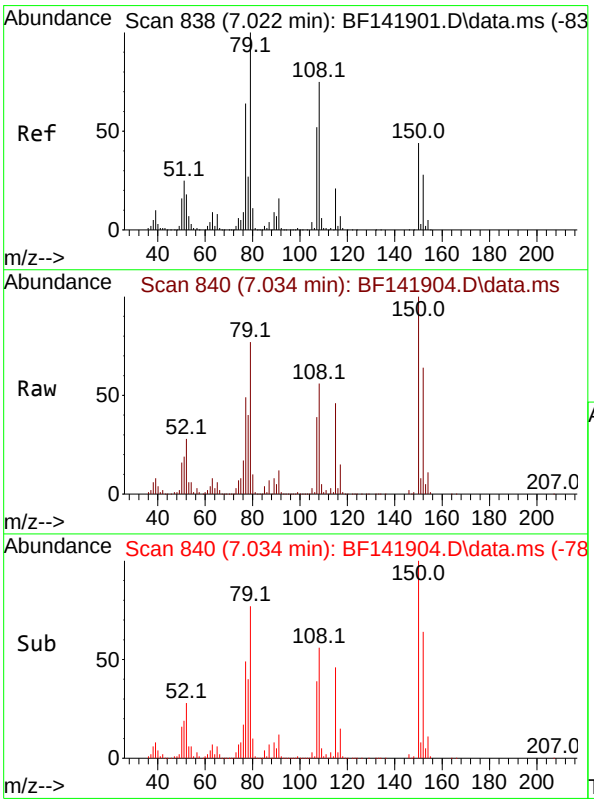
Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.8	76.2
111	46.1	38.0	57.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

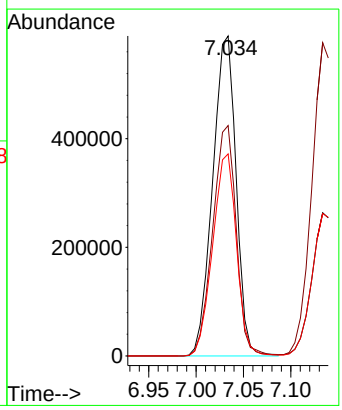
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

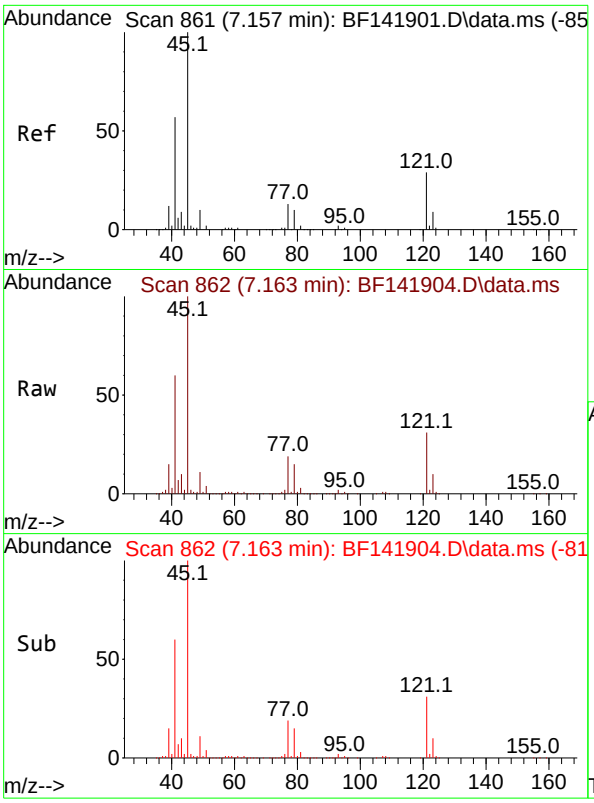


#15
Benzyl Alcohol
Concen: 76.376 ng
RT: 7.034 min Scan# 840
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 79 Resp: 1013314

Ion	Ratio	Lower	Upper
79	100		
108	72.0	59.7	89.5
77	63.1	51.0	76.6





#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.198 ng
RT: 7.163 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

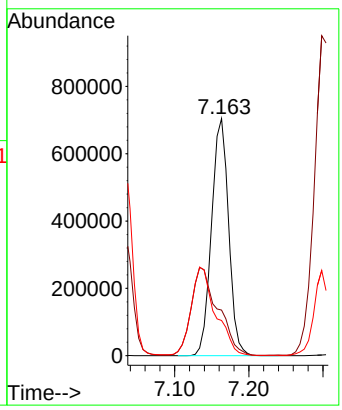
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

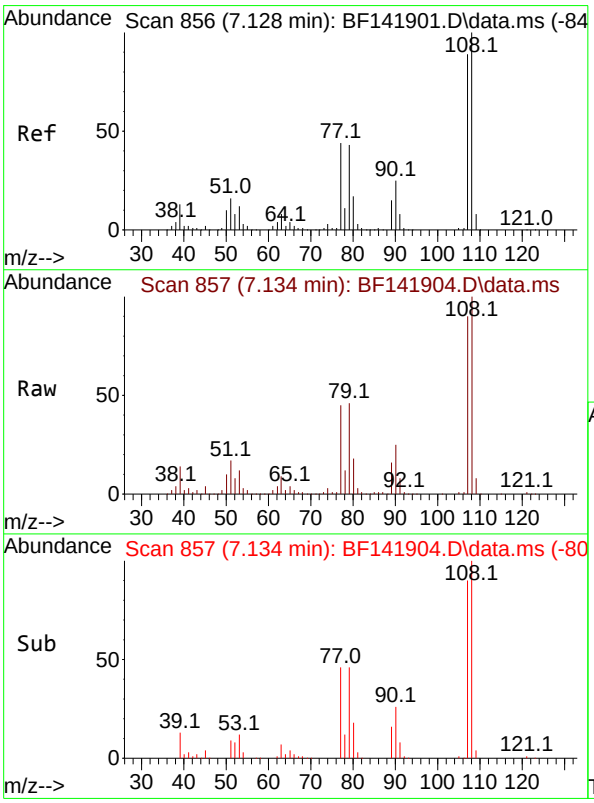
Tgt Ion: 45 Resp: 112753

Ion	Ratio	Lower	Upper
45	100		
77	19.3	0.0	37.8
79	14.8	0.0	34.2

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

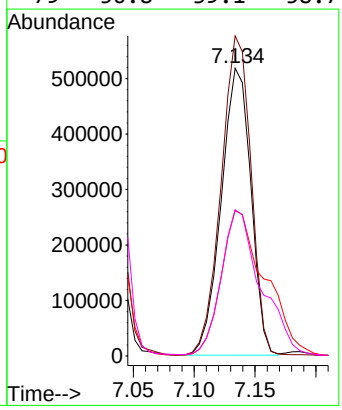


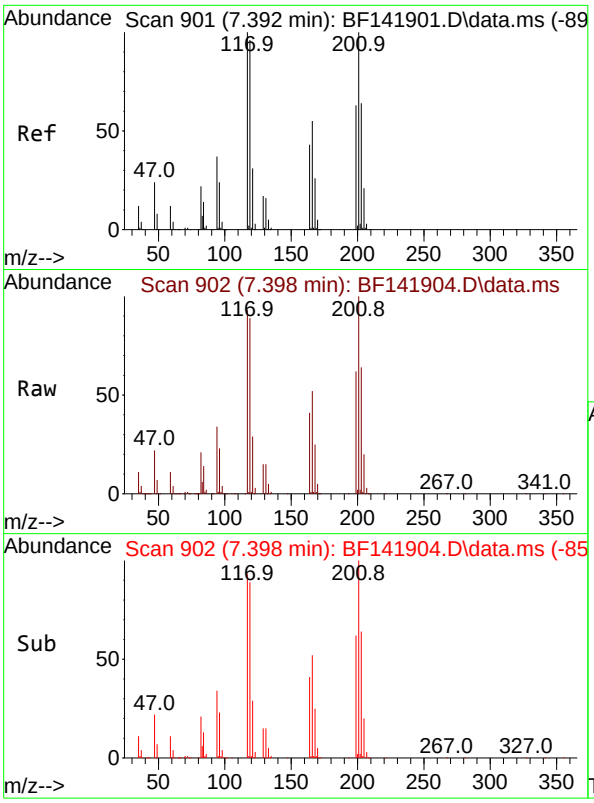


#17
2-Methylphenol
Concen: 77.326 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:107 Resp: 876665

Ion	Ratio	Lower	Upper
107	100		
108	111.3	90.2	135.2
77	50.5	39.6	59.4
79	50.8	39.1	58.7

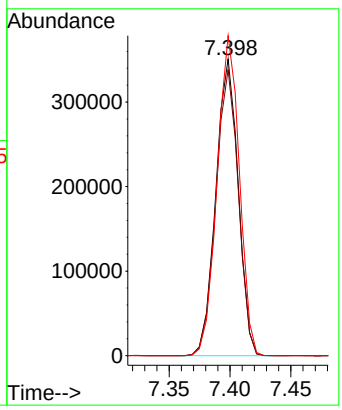




#18
Hexachloroethane
Concen: 76.745 ng
RT: 7.398 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:117 Resp: 44876

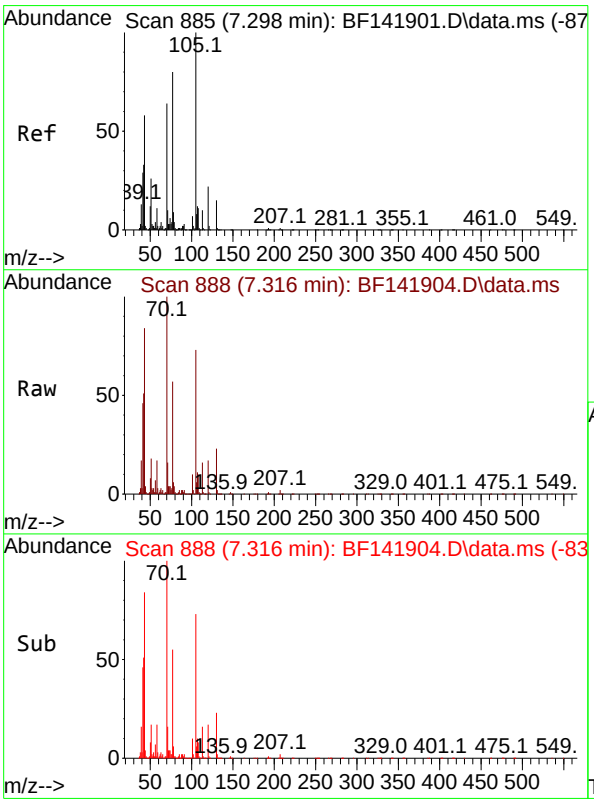
Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.9	115.3
201	107.9	79.9	119.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

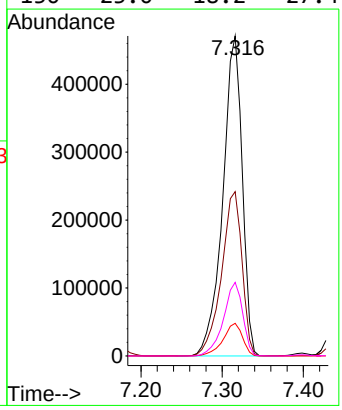
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

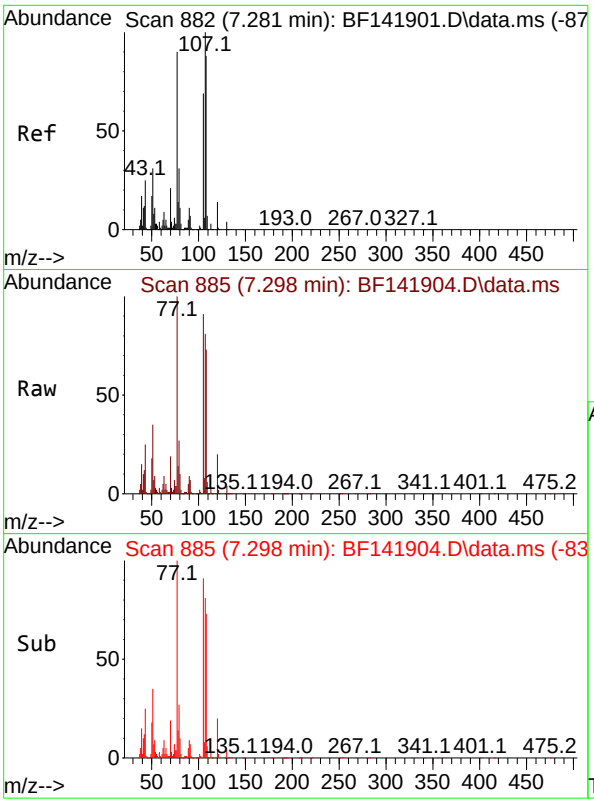


#19
n-Nitroso-di-n-propylamine
Concen: 74.351 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 70 Resp: 783318

Ion	Ratio	Lower	Upper
70	100		
42	51.4	41.4	62.0
101	10.2	8.2	12.2
130	23.0	18.2	27.4

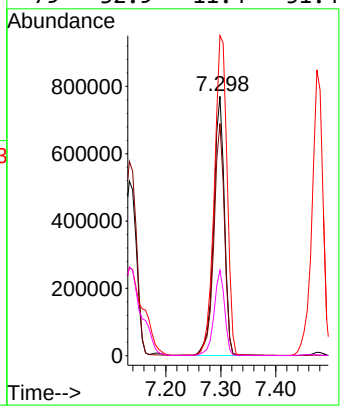




#20
3+4-Methylphenols
Concen: 72.219 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:107 Resp: 105019

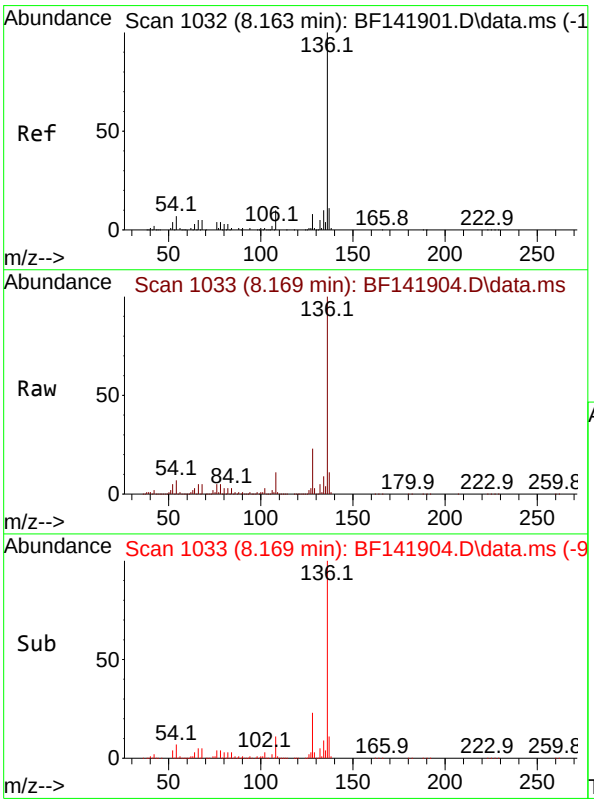
Ion	Ratio	Lower	Upper
107	100		
108	89.5	68.4	108.4
77	123.4	69.7	109.7#
79	32.9	11.4	51.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

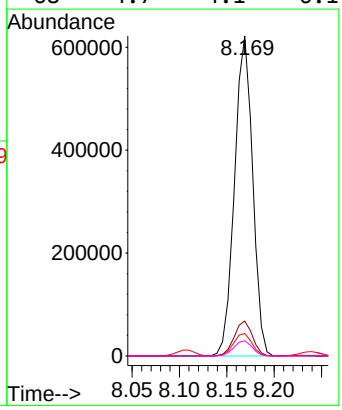
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

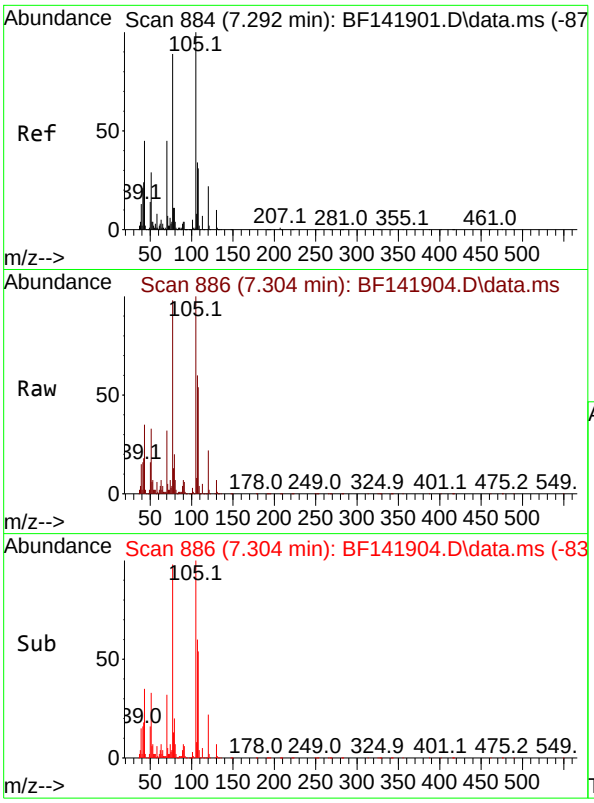


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:136 Resp: 826030

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.0	5.8	8.8
68	4.7	4.1	6.1

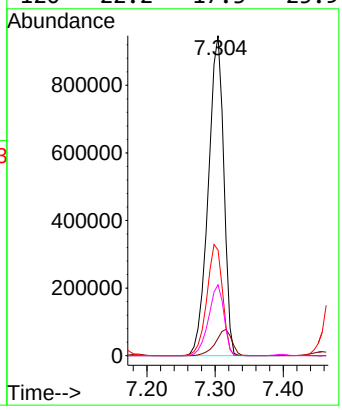




#22
Acetophenone
Concen: 75.498 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:105 Resp: 149603

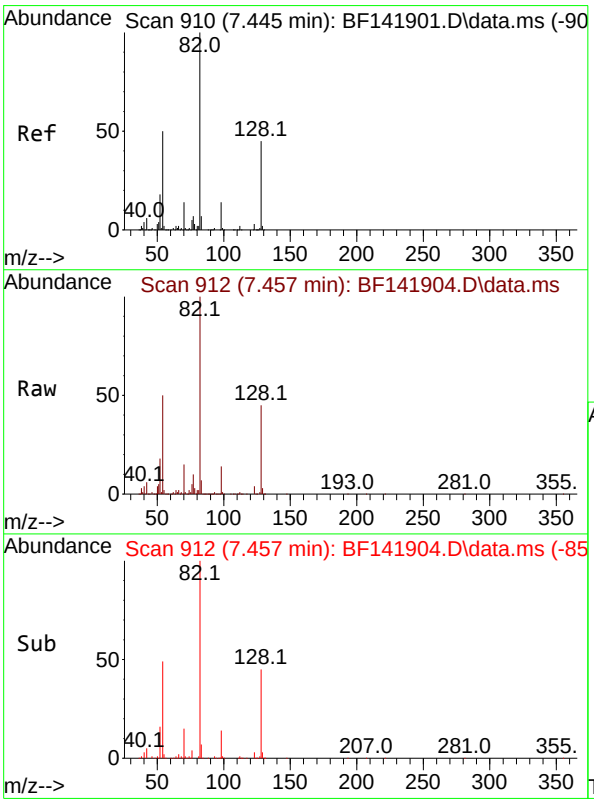
Ion	Ratio	Lower	Upper
105	100		
71	5.4	5.8	8.8
51	33.0	23.4	35.0
120	22.2	17.3	25.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

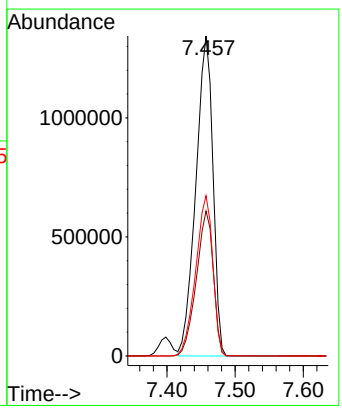
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

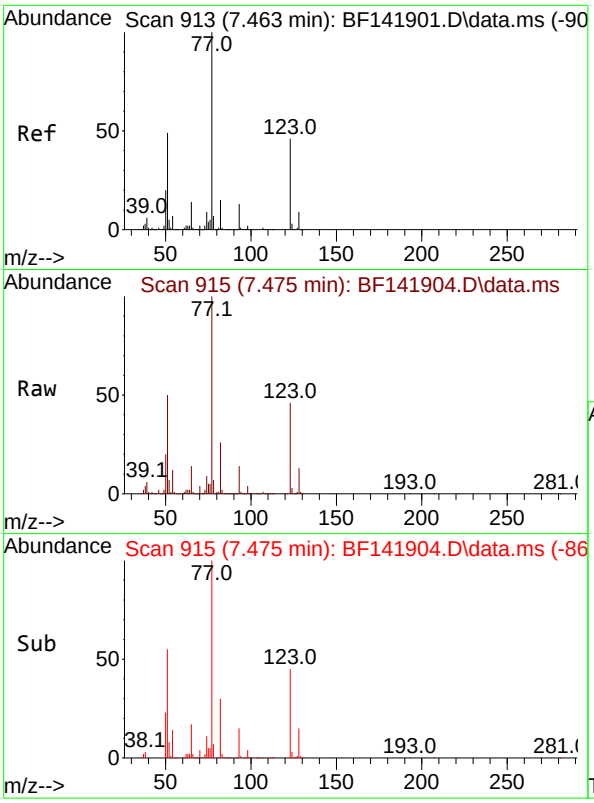


#23
Nitrobenzene-d5
Concen: 158.463 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 82 Resp: 2335417

Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.0	54.0
54	50.1	39.6	59.4

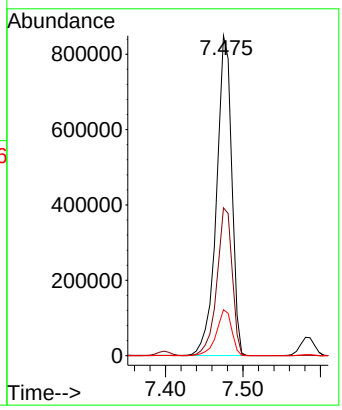




#24
Nitrobenzene
Concen: 79.572 ng
RT: 7.475 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 77 Resp: 116275

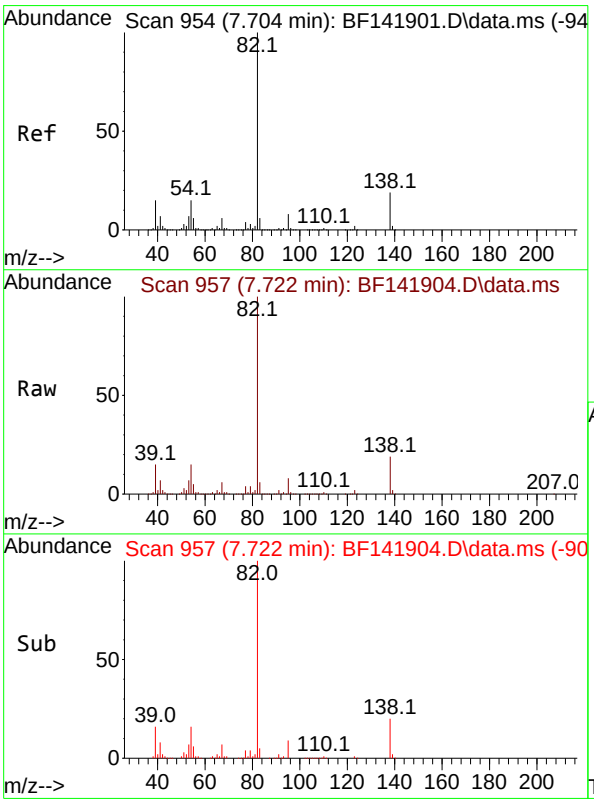
Ion	Ratio	Lower	Upper
77	100		
123	46.2	37.0	55.4
65	14.4	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

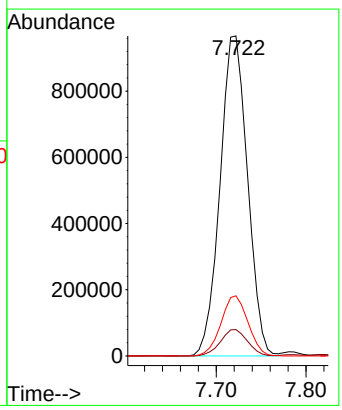
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

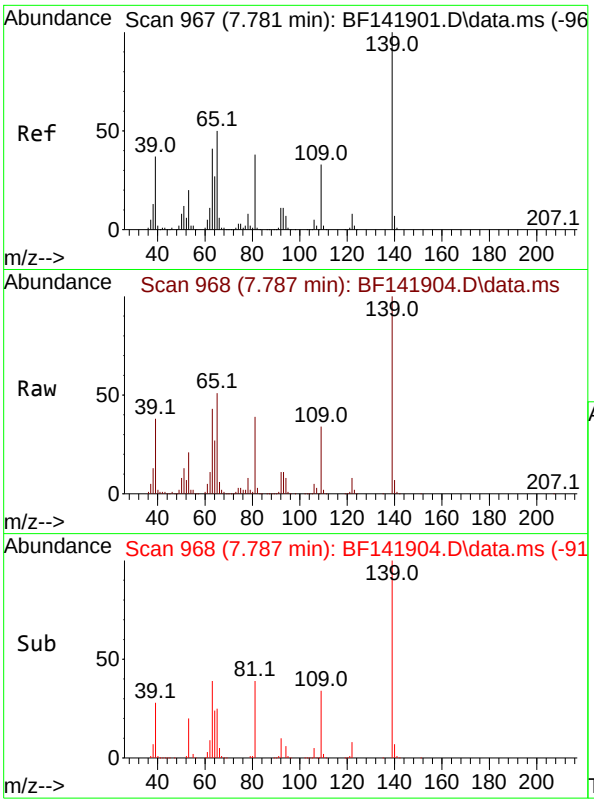


#25
Isophorone
Concen: 79.032 ng
RT: 7.722 min Scan# 957
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 82 Resp: 2056405

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.4	9.6
138	18.8	14.9	22.3





#26
2-Nitrophenol
Concen: 83.688 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

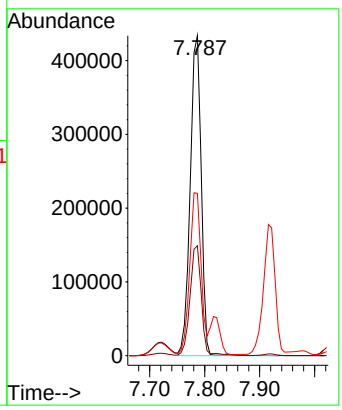
Tgt Ion:139 Resp: 59926

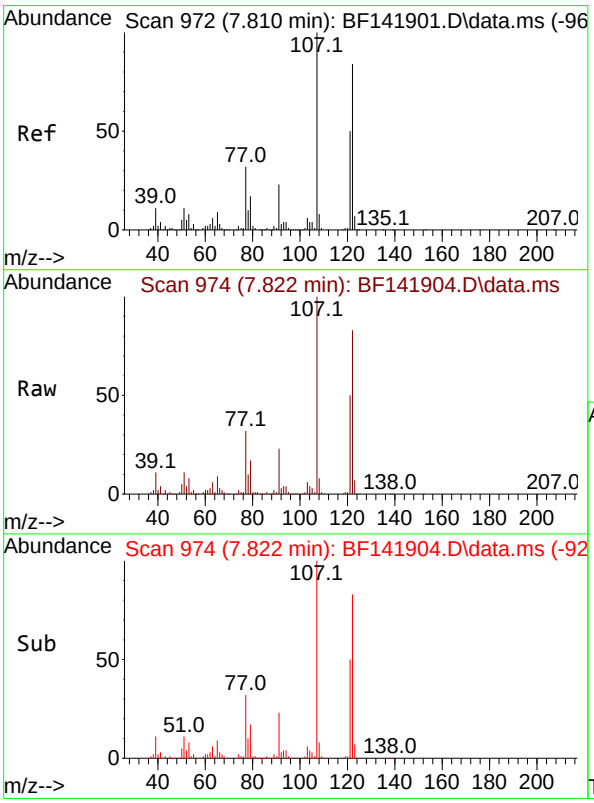
Ion	Ratio	Lower	Upper
139	100		
109	34.4	26.5	39.7
65	50.8	40.3	60.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

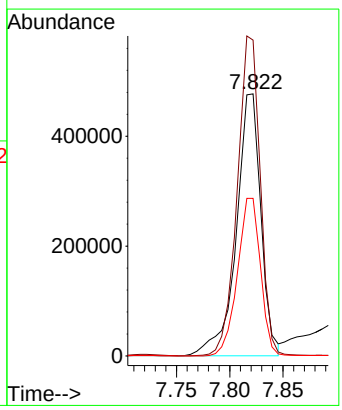


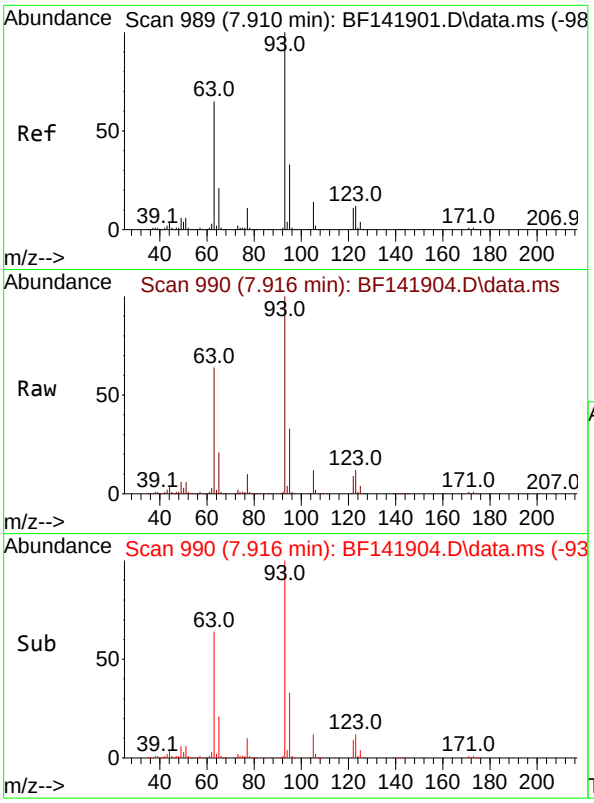


#27
2,4-Dimethylphenol
Concen: 77.821 ng
RT: 7.822 min Scan# 974
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:122 Resp: 767514

Ion	Ratio	Lower	Upper
122	100		
107	120.5	94.8	142.2
121	60.1	47.8	71.6

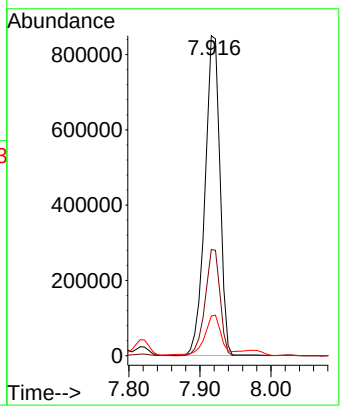




#28
bis(2-Chloroethoxy)methane
Concen: 76.598 ng
RT: 7.916 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 93 Resp: 124854

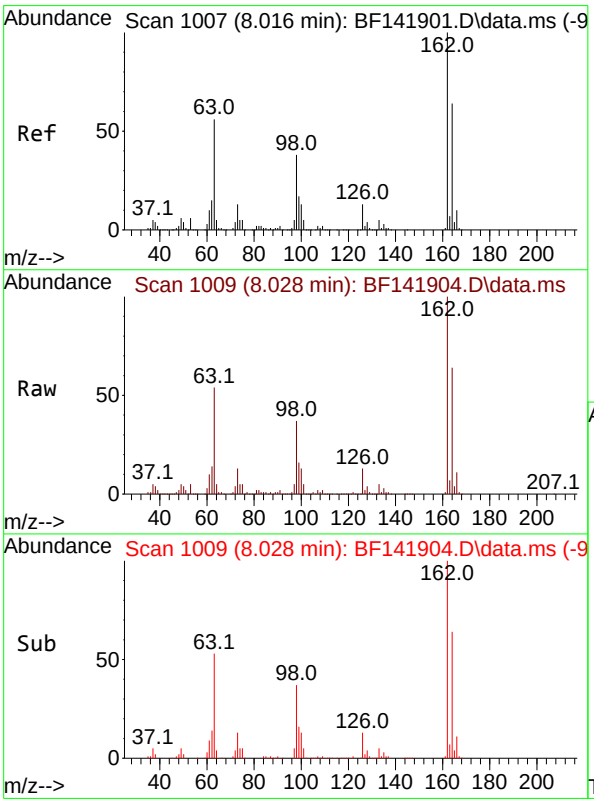
Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.6	40.0
123	12.4	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

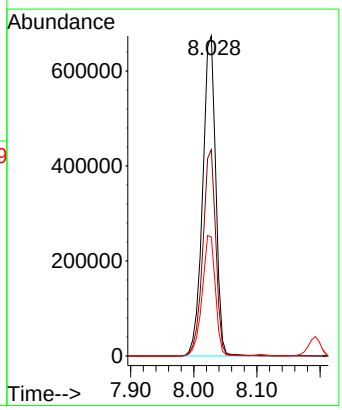
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

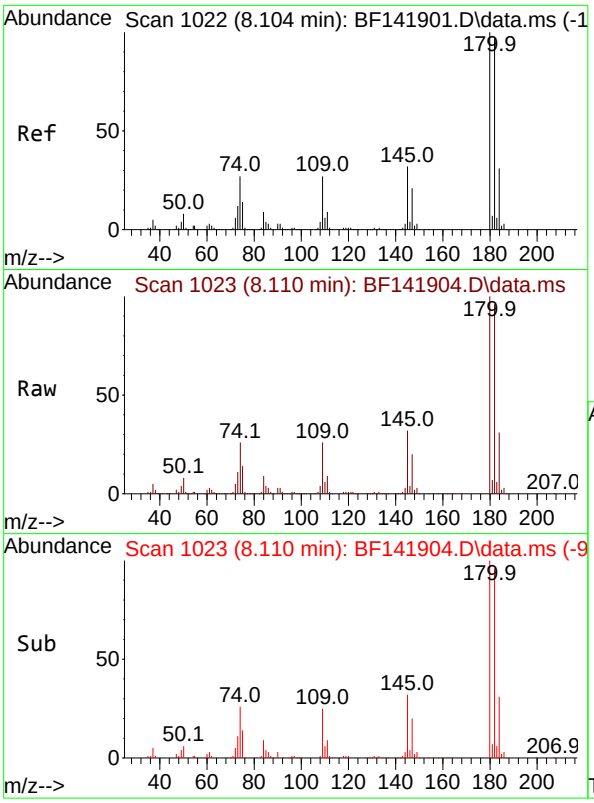


#29
2,4-Dichlorophenol
Concen: 79.403 ng
RT: 8.028 min Scan# 1009
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:162 Resp: 971886

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.8	83.8
98	37.1	18.1	58.1

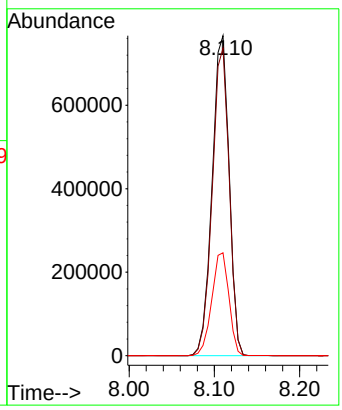




#30
1,2,4-Trichlorobenzene
Concen: 78.705 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:180 Resp: 106279

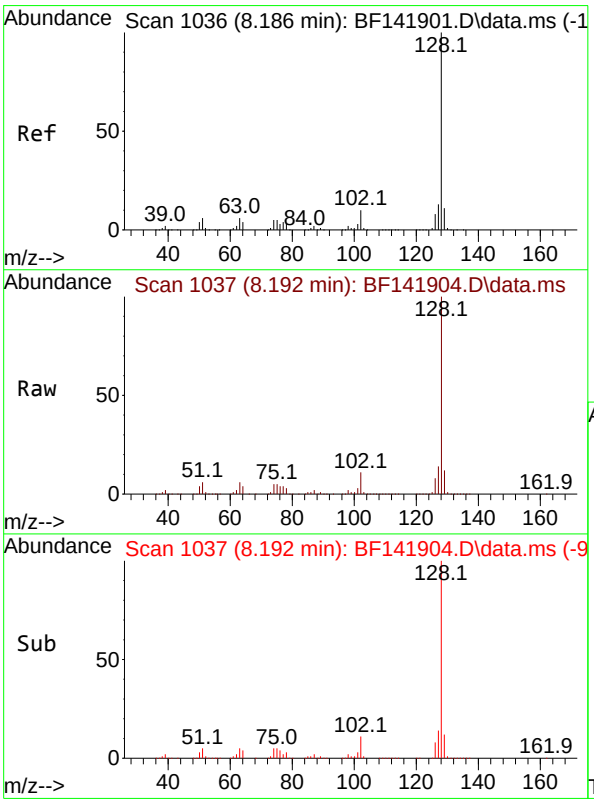
Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.5	116.3
145	32.2	25.8	38.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

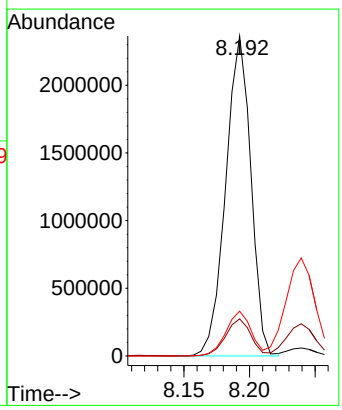
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

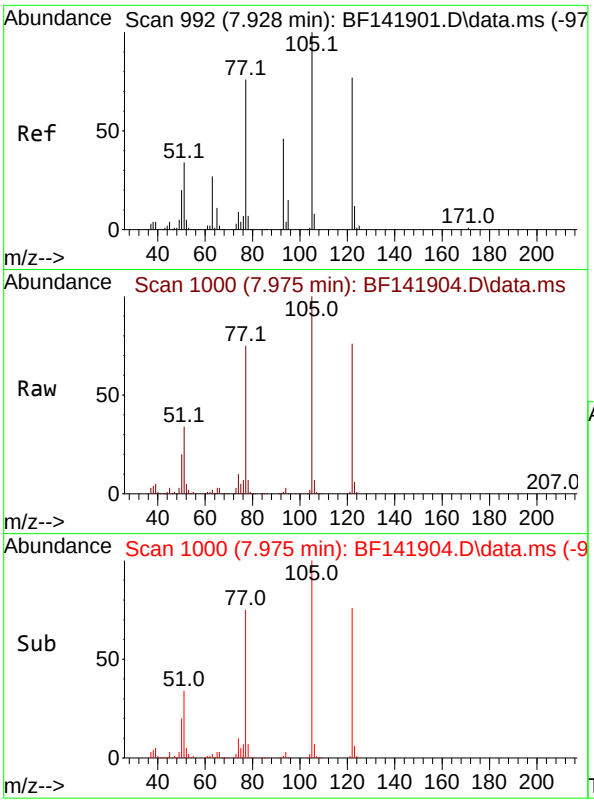


#31
Naphthalene
Concen: 74.497 ng
RT: 8.192 min Scan# 1037
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:128 Resp: 3152444

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	14.0	10.8	16.2

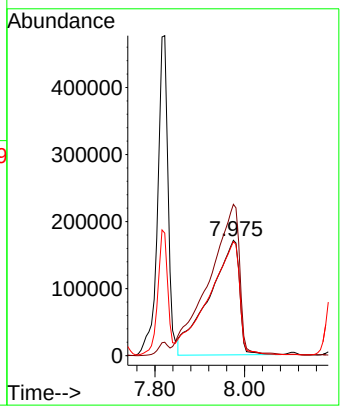




#32
Benzoic acid
Concen: 92.323 ng
RT: 7.975 min Scan# 1
Delta R.T. 0.047 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:122 Resp: 79585

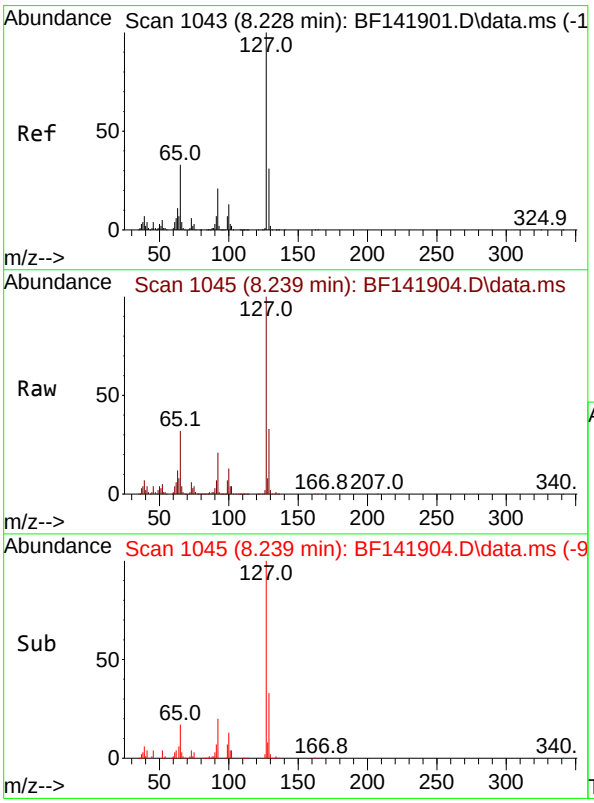
Ion	Ratio	Lower	Upper
122	100		
105	131.3	107.9	147.9
77	98.9	79.0	119.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

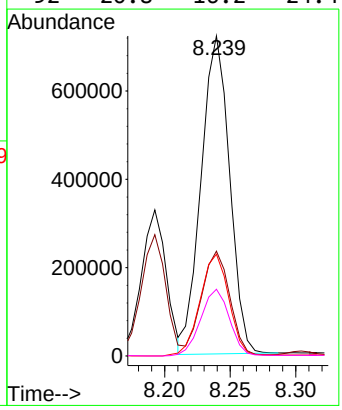
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

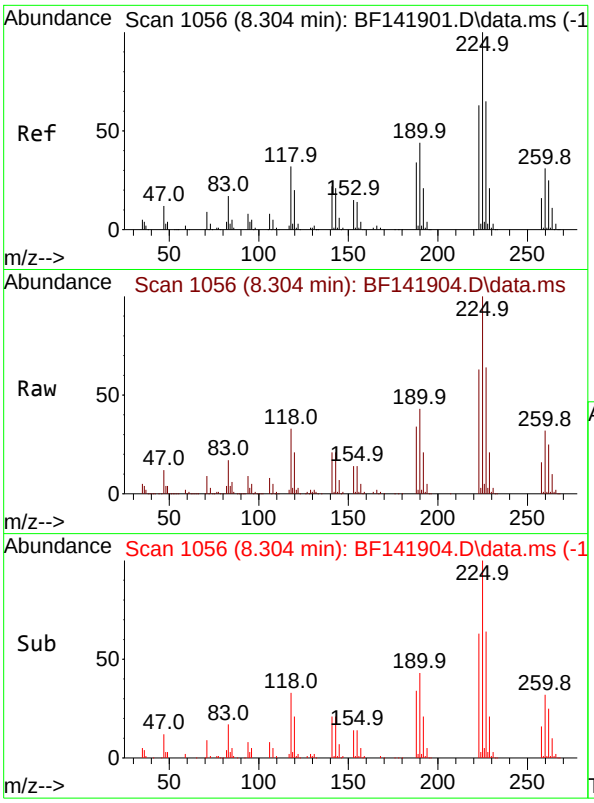


#33
4-Chloroaniline
Concen: 72.896 ng
RT: 8.239 min Scan# 1045
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:127 Resp: 1088546

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	31.8	25.4	38.2
92	20.8	16.2	24.4

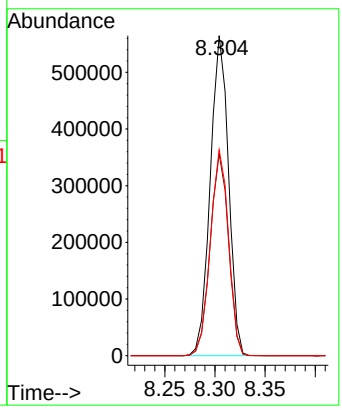




#34
Hexachlorobutadiene
Concen: 81.299 ng
RT: 8.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:225 Resp: 71382

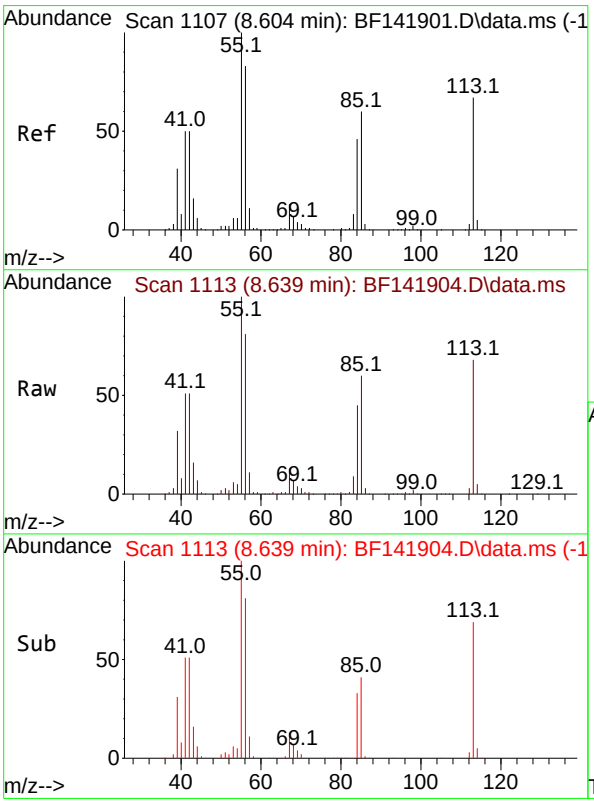
Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	75.8
227	64.3	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

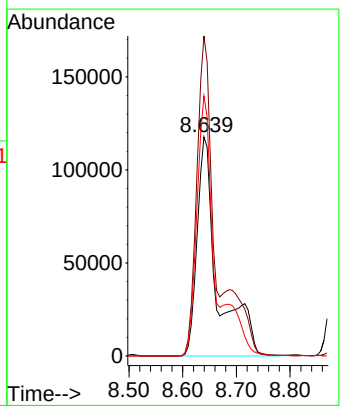
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

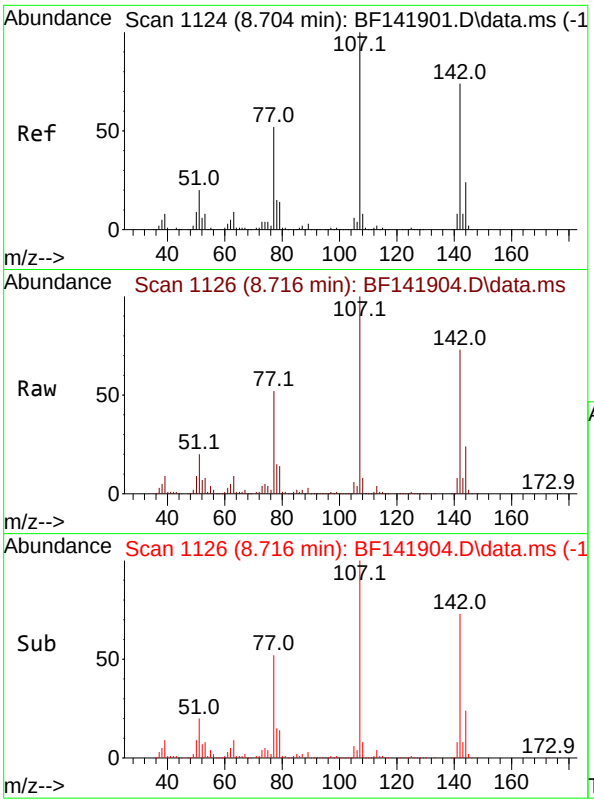


#35
Caprolactam
Concen: 83.763 ng m
RT: 8.639 min Scan# 1113
Delta R.T. 0.035 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:113 Resp: 311758

Ion	Ratio	Lower	Upper
113	100		
55	146.1	129.6	169.6
56	118.7	104.0	144.0

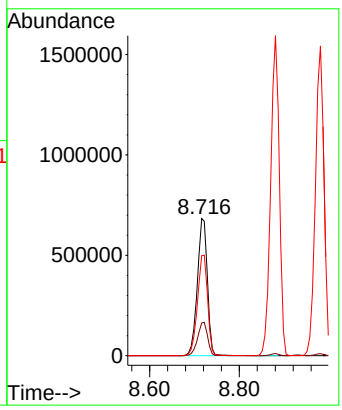




#36
4-Chloro-3-methylphenol
Concen: 77.644 ng
RT: 8.716 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:107 Resp: 105691

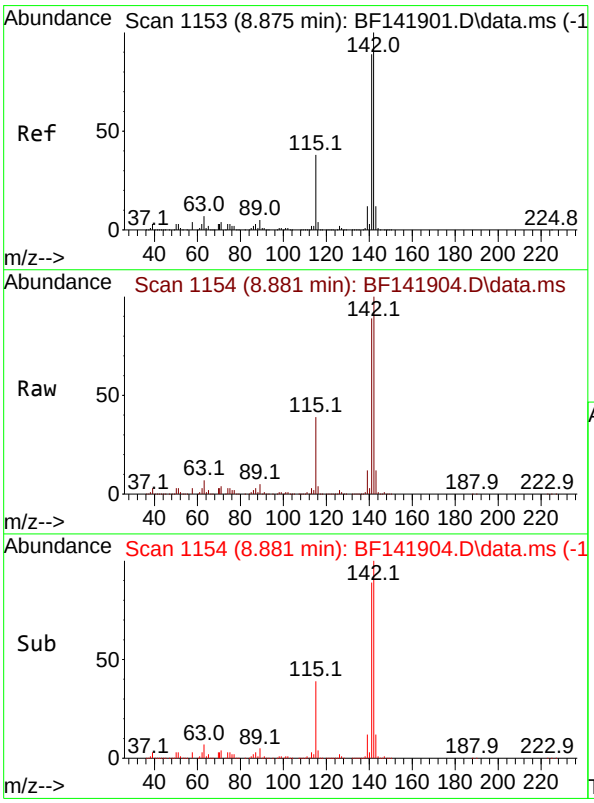
Ion	Ratio	Lower	Upper
107	100		
144	24.0	19.0	28.6
142	72.9	59.2	88.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

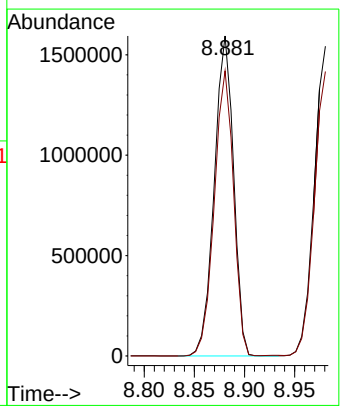
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

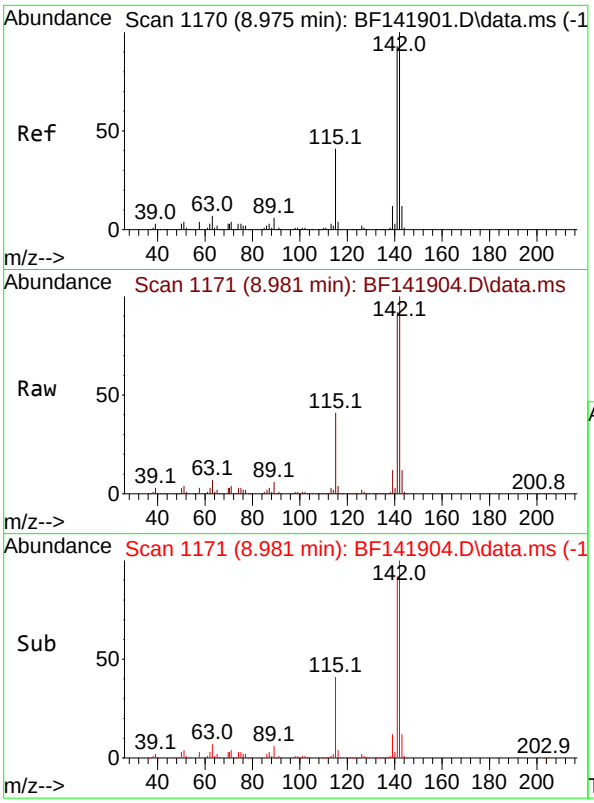


#37
2-Methylnaphthalene
Concen: 75.023 ng
RT: 8.881 min Scan# 1154
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:142 Resp: 2129990

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.2	106.8





#38
1-Methylnaphthalene
Concen: 74.568 ng
RT: 8.981 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

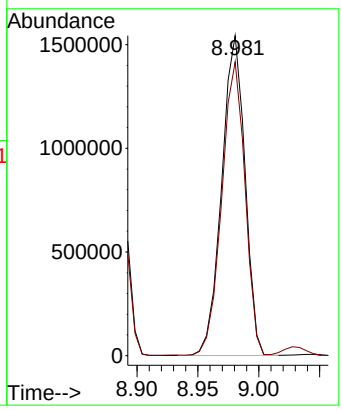
Tgt Ion:142 Resp: 205019

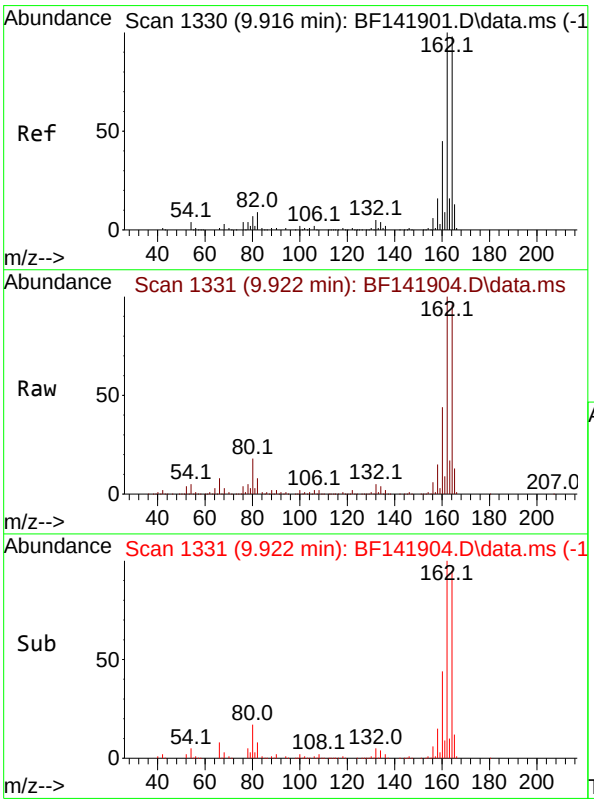
Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.2	111.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

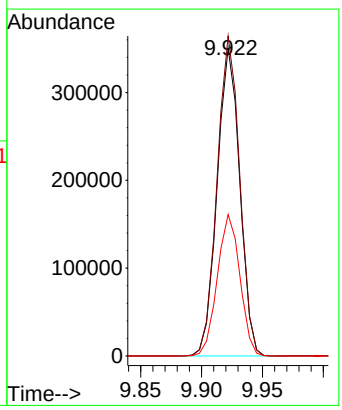


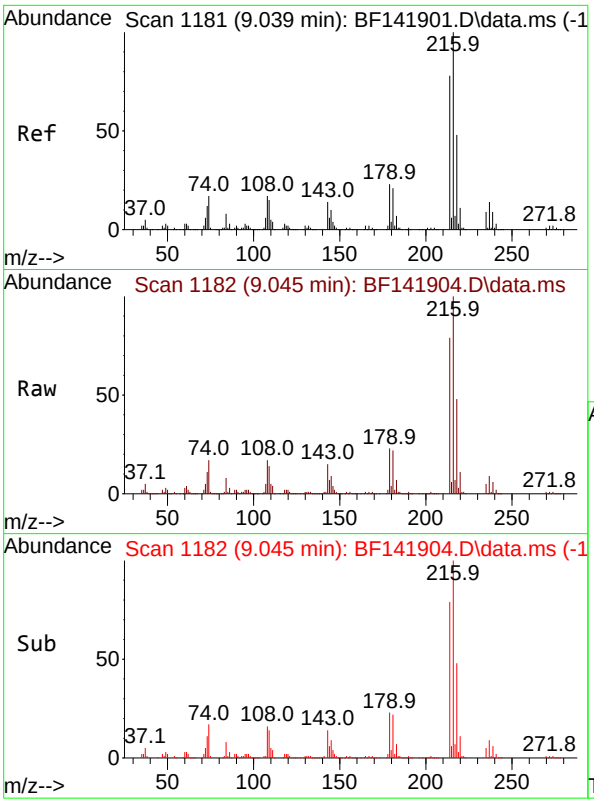


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:164 Resp: 452864

Ion	Ratio	Lower	Upper
164	100		
162	103.9	81.8	122.6
160	45.9	36.7	55.1

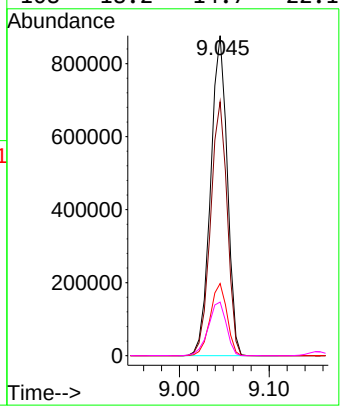




#40
1,2,4,5-Tetrachlorobenzene
Concen: 81.667 ng
RT: 9.045 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:216 Resp: 112767

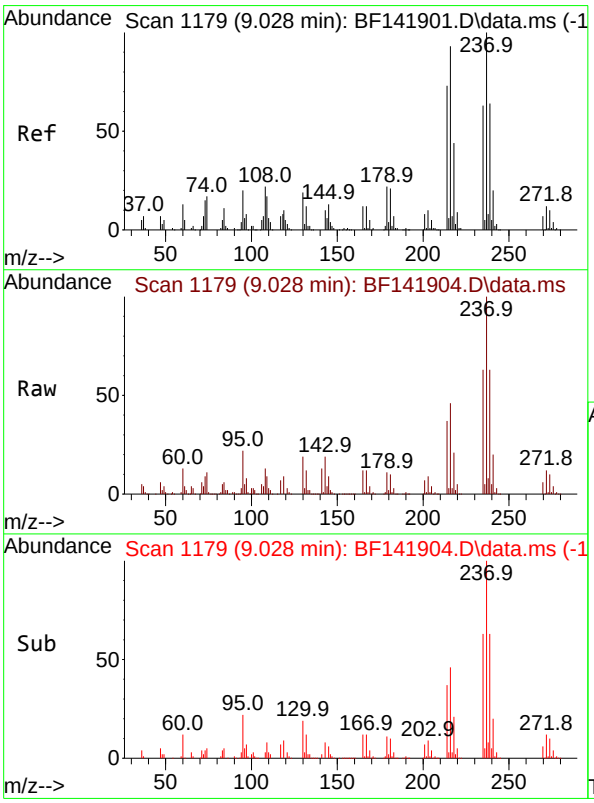
Ion	Ratio	Lower	Upper
216	100		
214	79.3	61.9	92.9
179	22.7	18.1	27.1
108	18.2	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

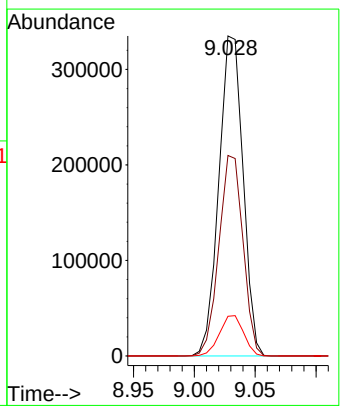
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

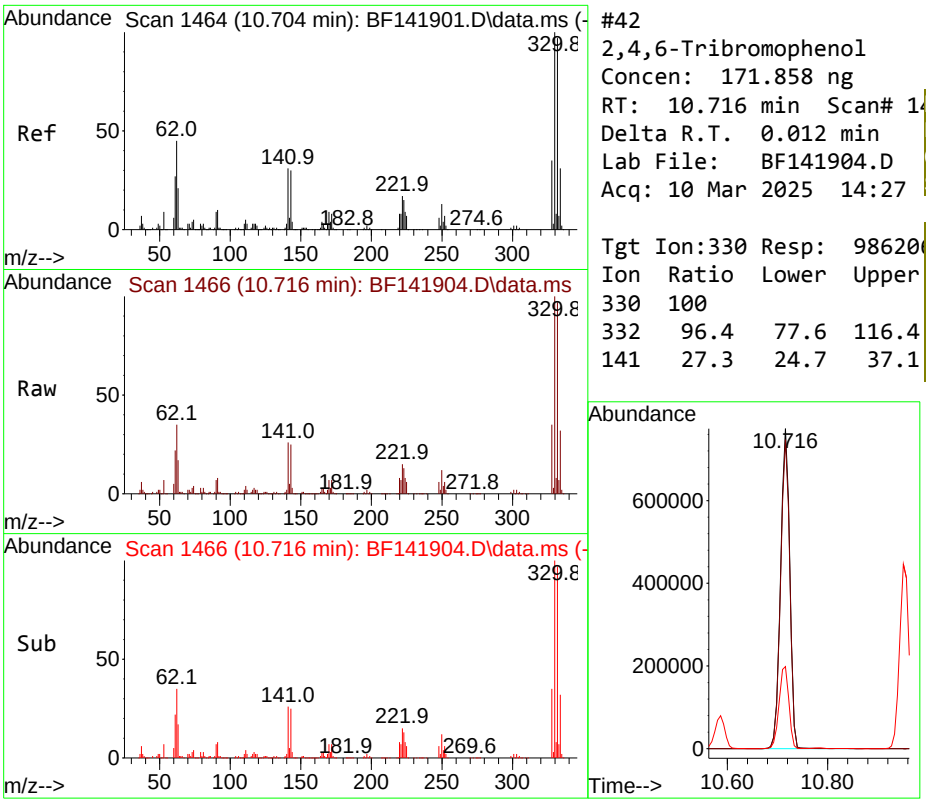


#41
Hexachlorocyclopentadiene
Concen: 85.031 ng
RT: 9.028 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:237 Resp: 463300

Ion	Ratio	Lower	Upper
237	100		
235	62.6	43.1	83.1
272	12.4	0.0	32.0





#42
2,4,6-Tribromophenol
Concen: 171.858 ng
RT: 10.716 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

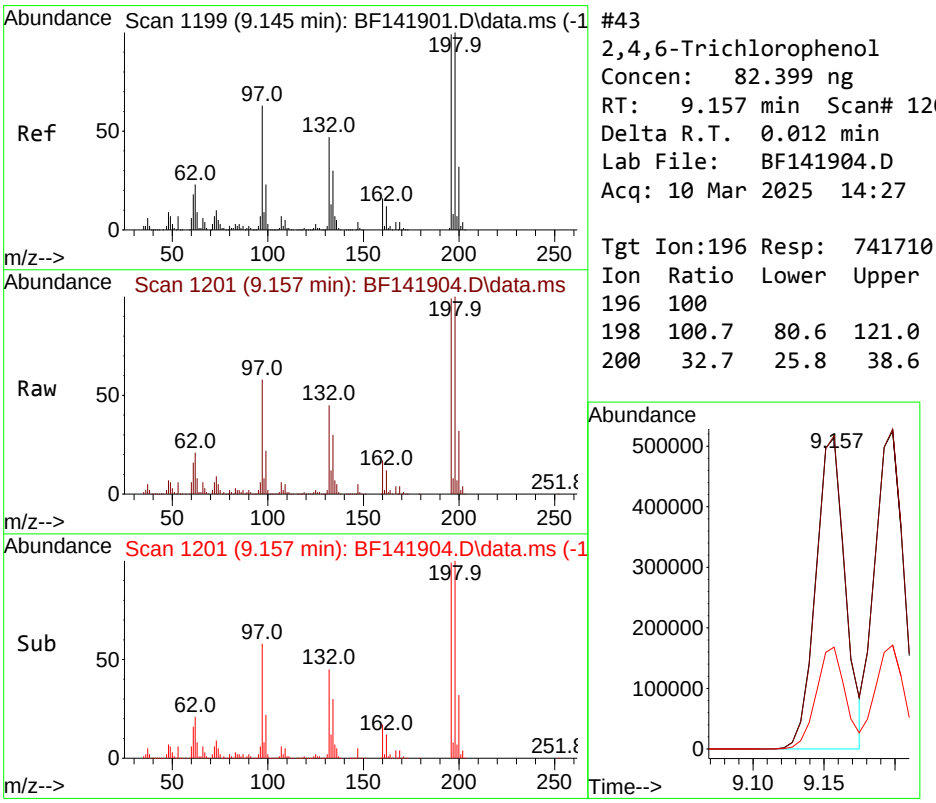
Tgt Ion:330 Resp: 98620

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.6	116.4
141	27.3	24.7	37.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

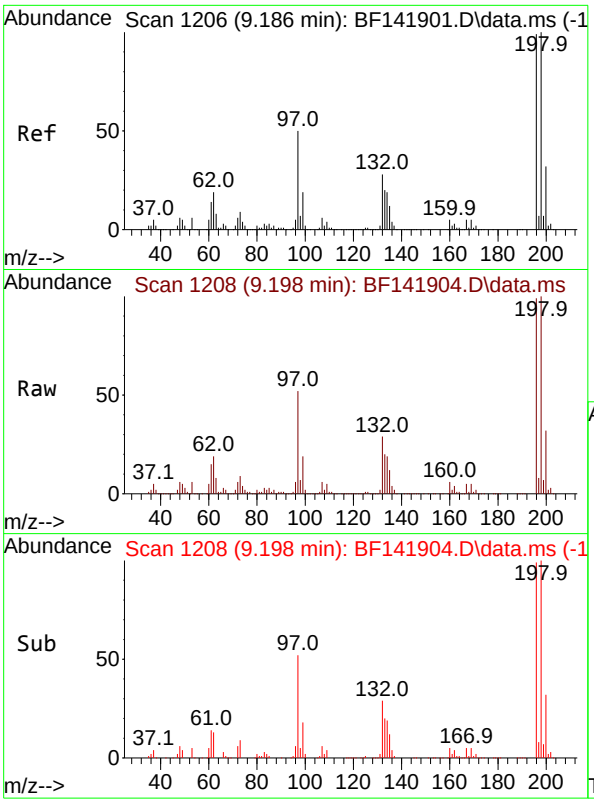
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#43
2,4,6-Trichlorophenol
Concen: 82.399 ng
RT: 9.157 min Scan# 1201
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:196 Resp: 741710

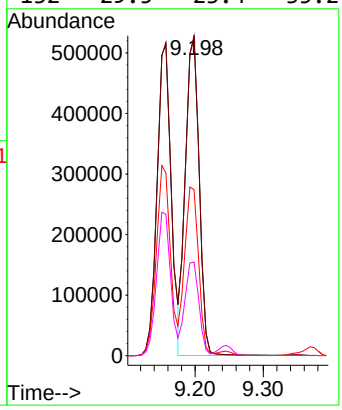
Ion	Ratio	Lower	Upper
196	100		
198	100.7	80.6	121.0
200	32.7	25.8	38.6



#44
2,4,5-Trichlorophenol
Concen: 80.579 ng
RT: 9.198 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:196 Resp: 73692

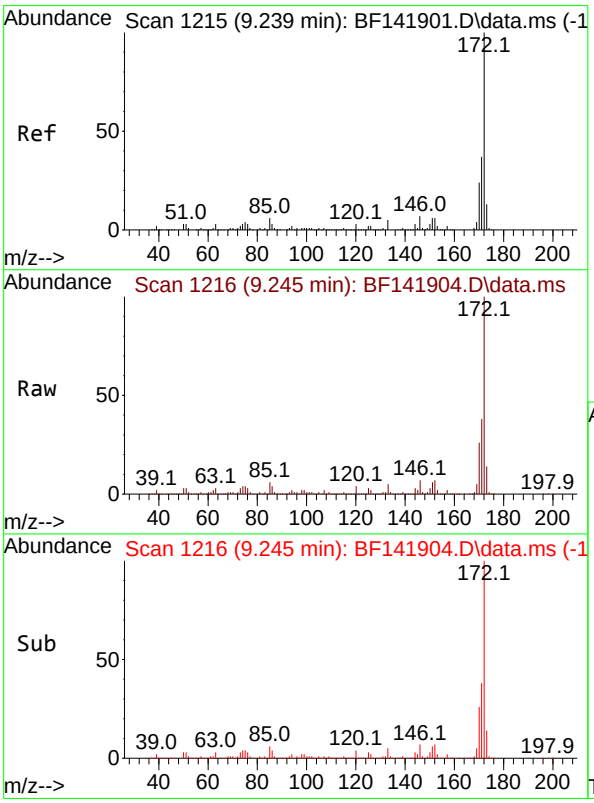
Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.7	121.1
97	52.2	42.1	63.1
132	29.5	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

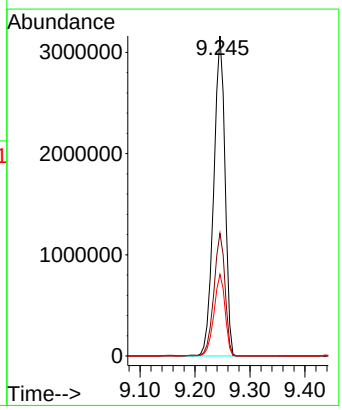
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

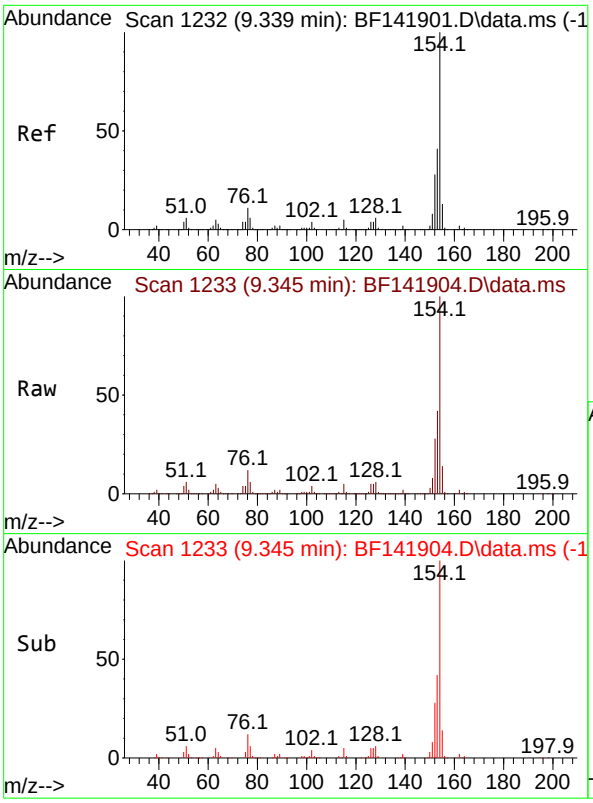


#45
2-Fluorobiphenyl
Concen: 151.763 ng
RT: 9.245 min Scan# 1216
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:172 Resp: 4513418

Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.3	43.9
170	25.5	19.4	29.0

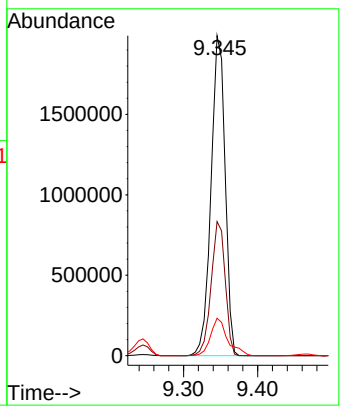




#46
1,1'-Biphenyl
Concen: 76.503 ng
RT: 9.345 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:154 Resp: 262669

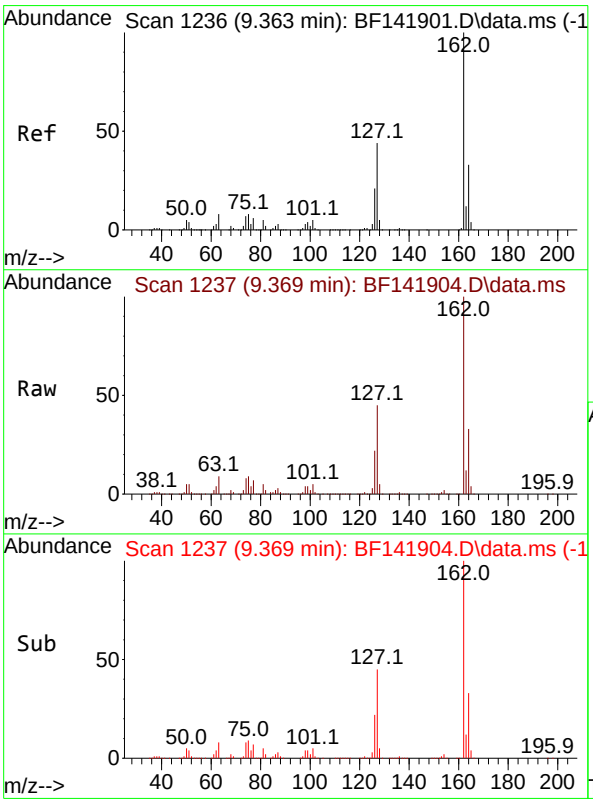
Ion	Ratio	Lower	Upper
154	100		
153	41.9	21.1	61.1
76	11.7	0.0	31.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

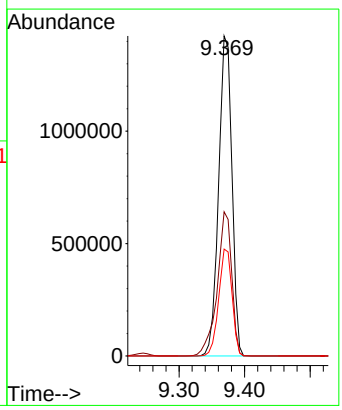
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

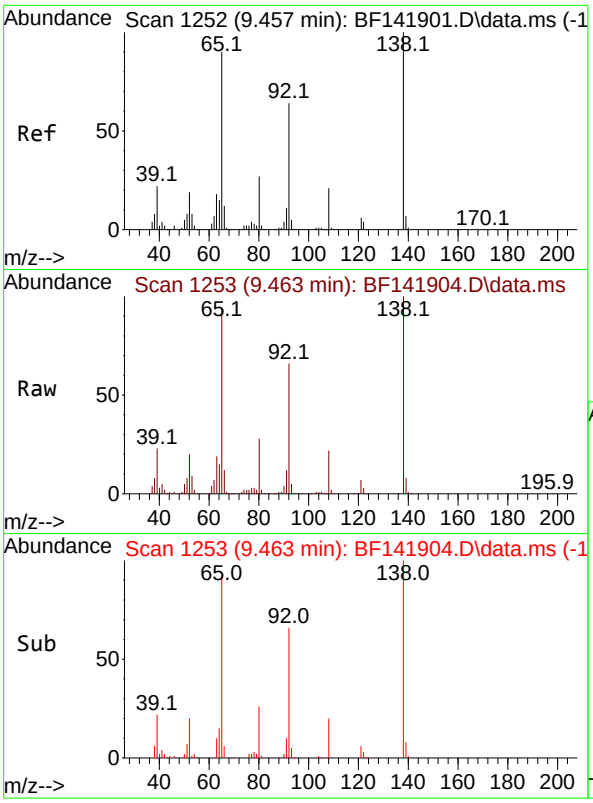


#47
2-Chloronaphthalene
Concen: 77.859 ng
RT: 9.369 min Scan# 1237
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:162 Resp: 1992242

Ion	Ratio	Lower	Upper
162	100		
127	45.0	35.5	53.3
164	33.4	26.6	40.0





#48
2-Nitroaniline
Concen: 81.326 ng
RT: 9.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

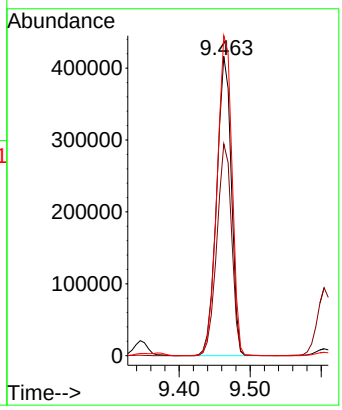
Tgt Ion: 65 Resp: 59777

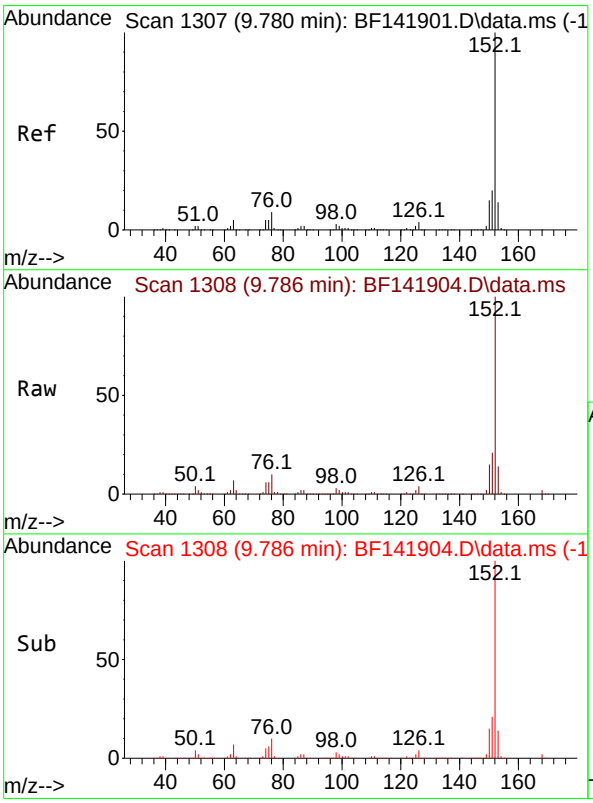
Ion	Ratio	Lower	Upper
65	100		
92	70.8	56.6	84.8
138	106.9	88.6	133.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

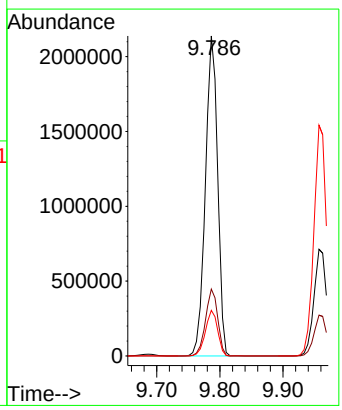


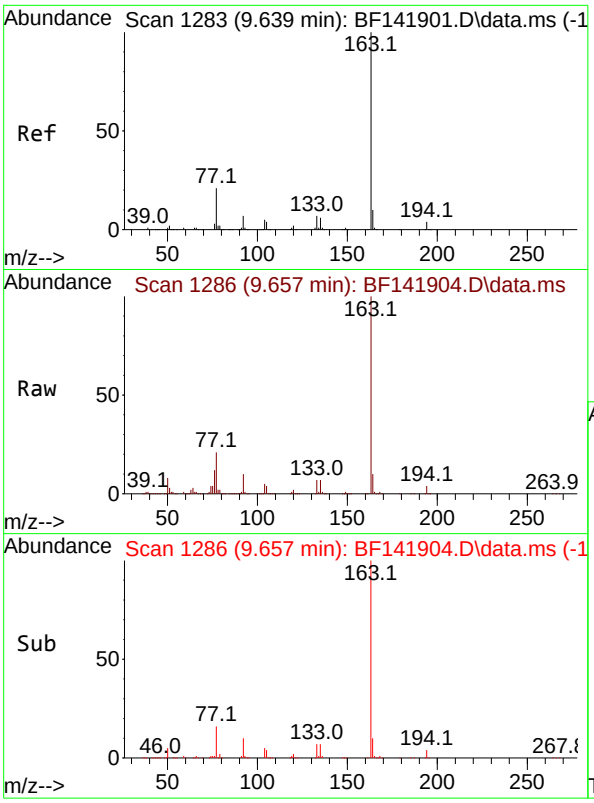


#49
Acenaphthylene
Concen: 75.877 ng
RT: 9.786 min Scan# 1308
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:152 Resp: 2878496

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.3	24.5
153	14.2	11.1	16.7





#50
Dimethylphthalate
Concen: 77.192 ng
RT: 9.657 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

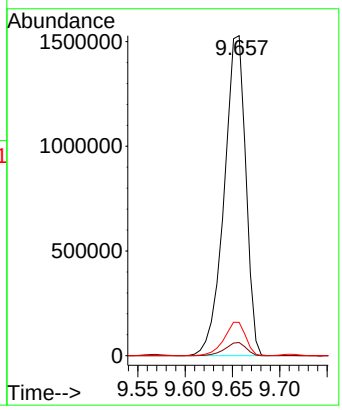
Tgt Ion:163 Resp: 242884

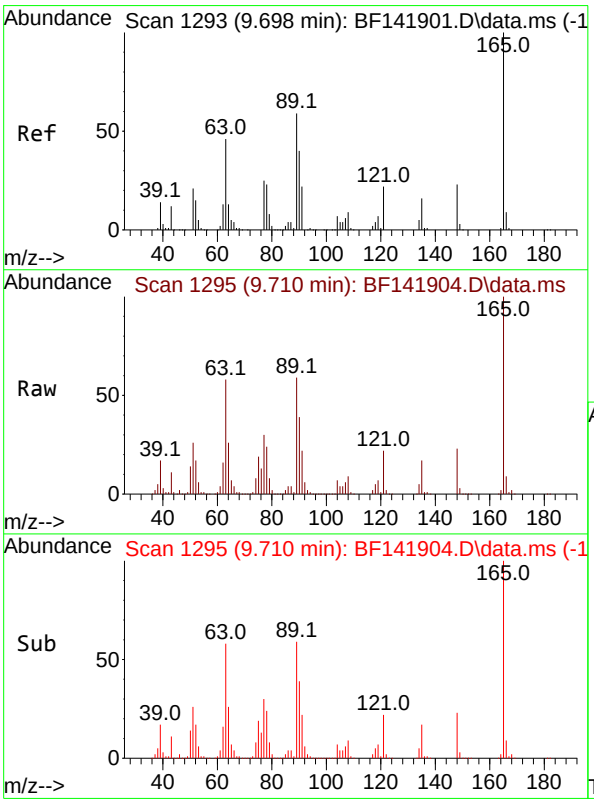
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.4	8.2	12.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

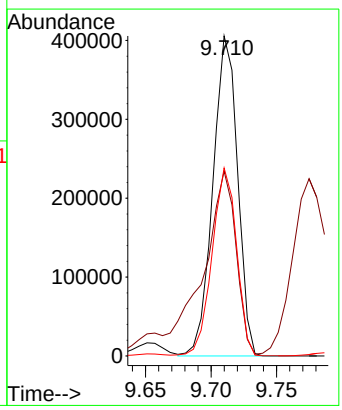


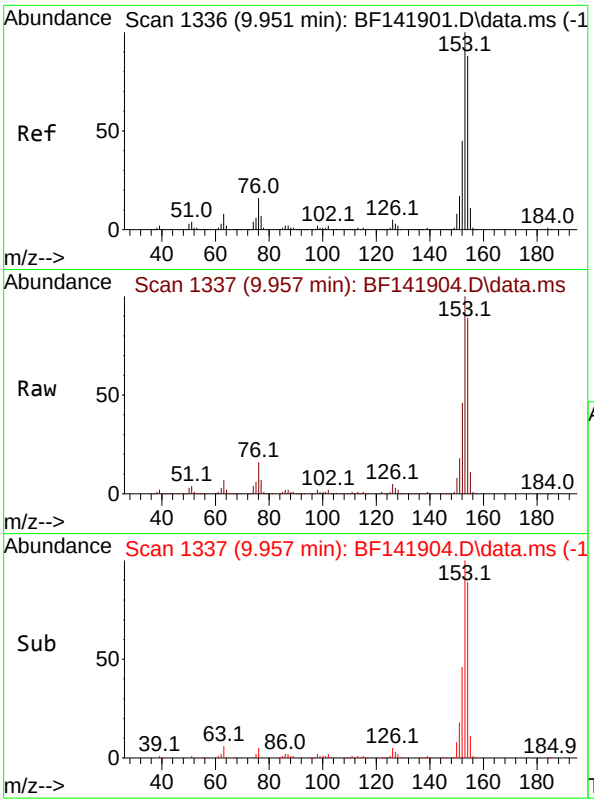


#51
2,6-Dinitrotoluene
Concen: 80.867 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:165 Resp: 529139

Ion	Ratio	Lower	Upper
165	100		
63	57.7	47.0	70.4
89	58.8	47.4	71.2

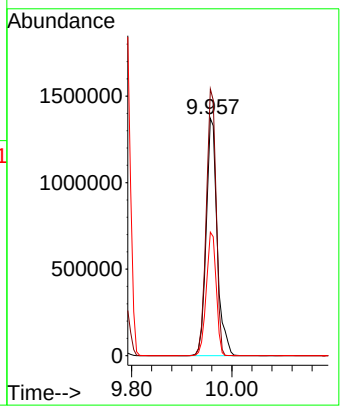




#52
Acenaphthene
Concen: 77.872 ng
RT: 9.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:154 Resp: 208594

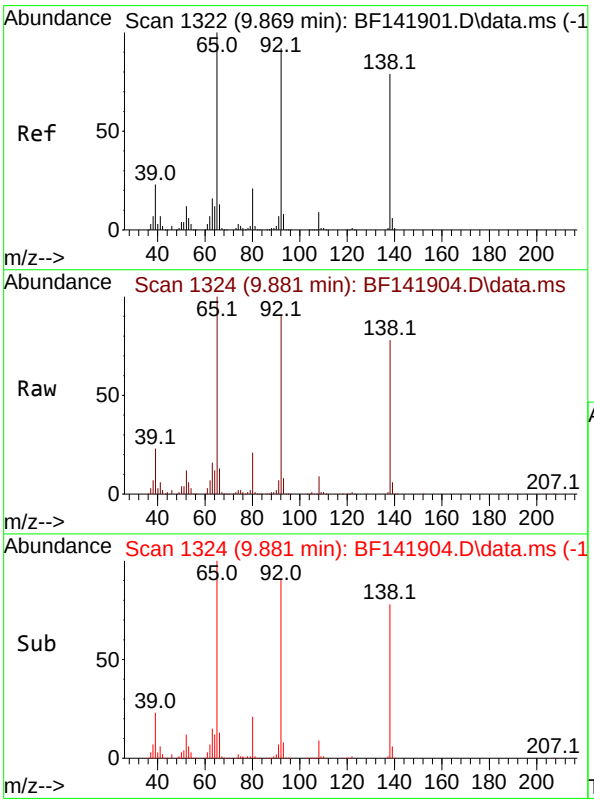
Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.7	136.1
152	52.0	41.1	61.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

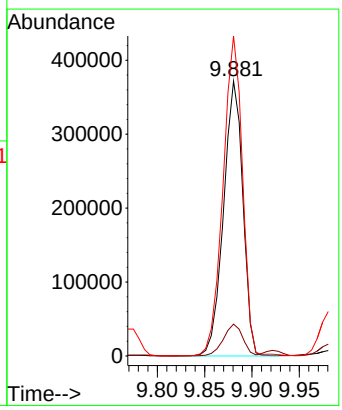
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

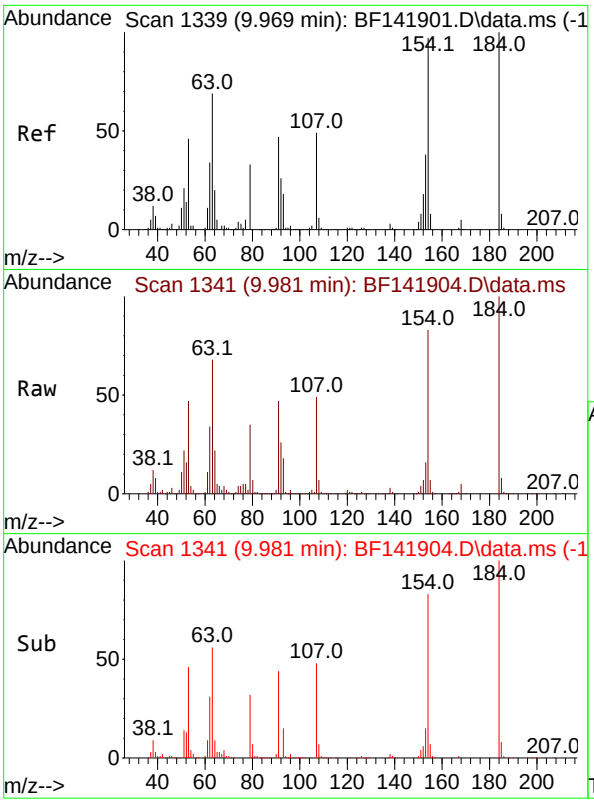


#53
3-Nitroaniline
Concen: 78.435 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:138 Resp: 526980

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.3	13.9
92	116.4	93.5	140.3

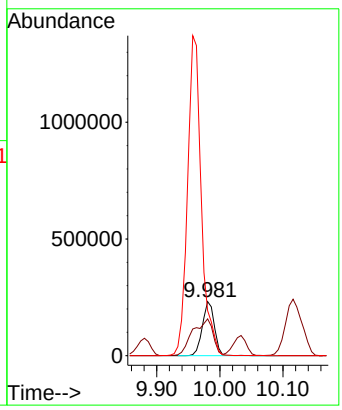




#54
2,4-Dinitrophenol
Concen: 81.479 ng
RT: 9.981 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:184 Resp: 30539

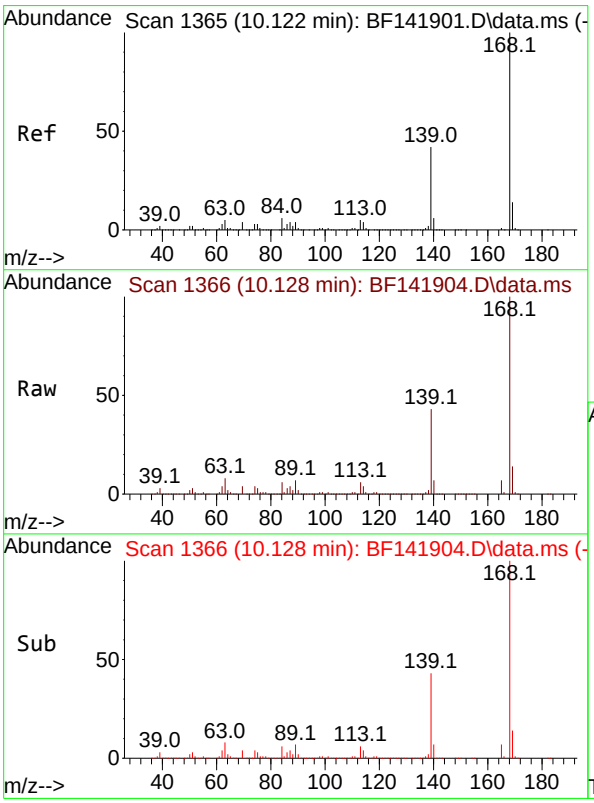
Ion	Ratio	Lower	Upper
184	100		
63	68.1	60.2	90.4
154	82.9	132.9	199.3#



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

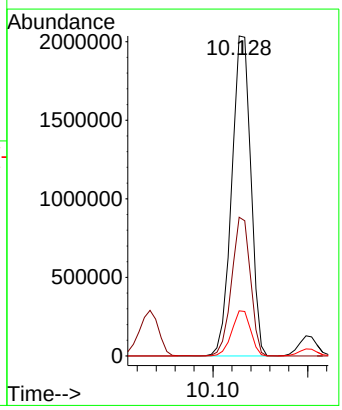
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

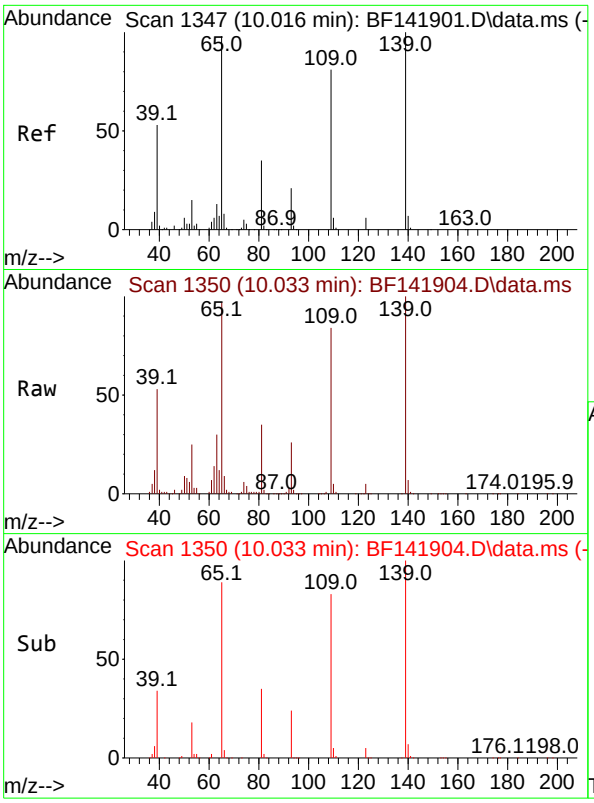


#55
Dibenzofuran
Concen: 74.474 ng
RT: 10.128 min Scan# 1366
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:168 Resp: 2844432

Ion	Ratio	Lower	Upper
168	100		
139	43.4	33.9	50.9
169	14.1	11.0	16.4





#56
4-Nitrophenol
Concen: 82.456 ng
RT: 10.033 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

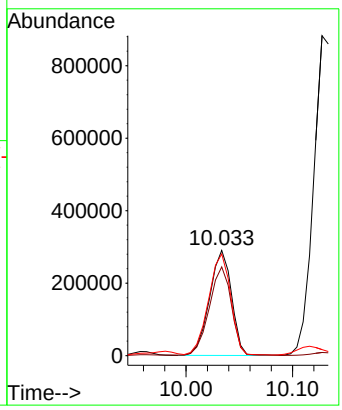
Tgt Ion:139 Resp: 41615

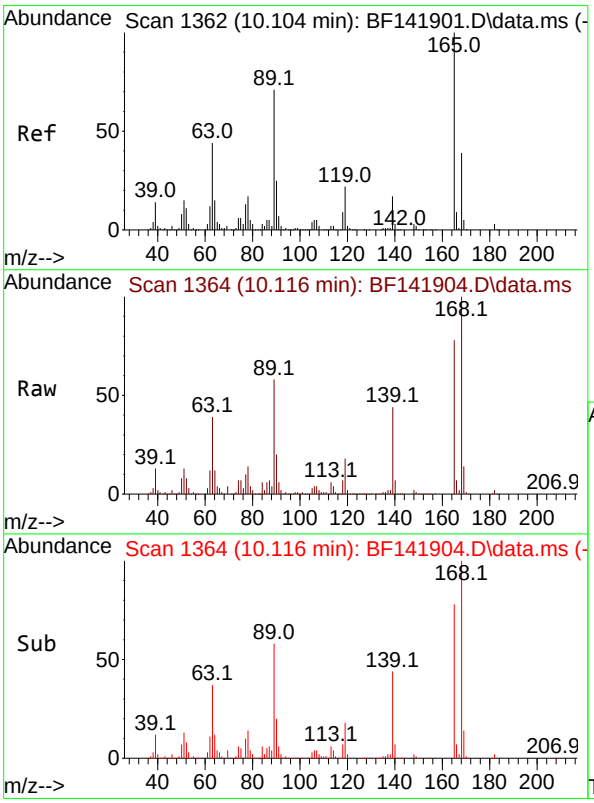
Ion	Ratio	Lower	Upper
139	100		
109	84.3	61.6	101.6
65	96.7	79.4	119.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

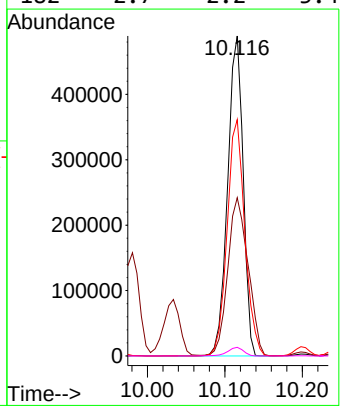


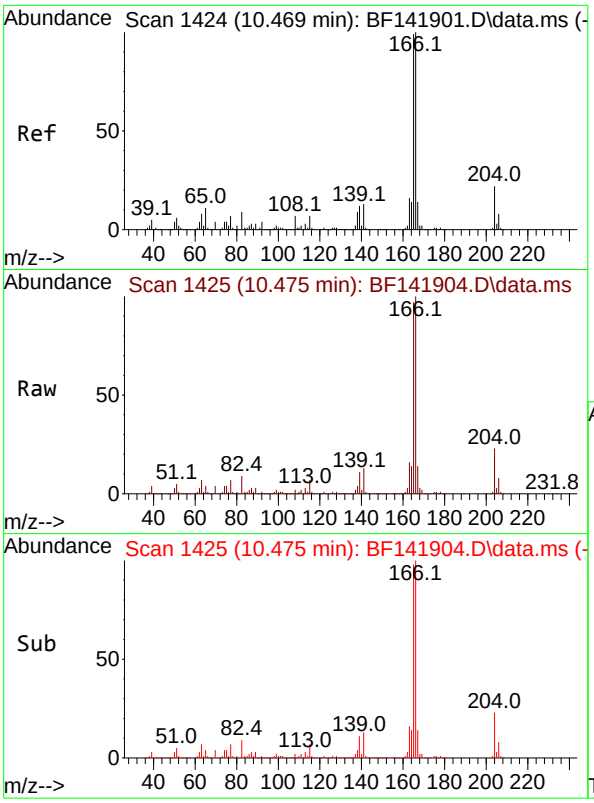


#57
2,4-Dinitrotoluene
Concen: 79.099 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:165 Resp: 681278

Ion	Ratio	Lower	Upper
165	100		
63	49.4	35.4	53.2
89	73.9	56.6	84.8
182	2.7	2.2	3.4

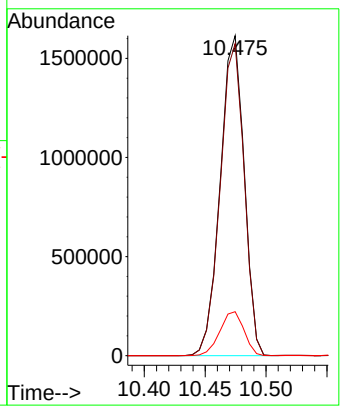




#58
Fluorene
Concen: 74.974 ng
RT: 10.475 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:166 Resp: 221065

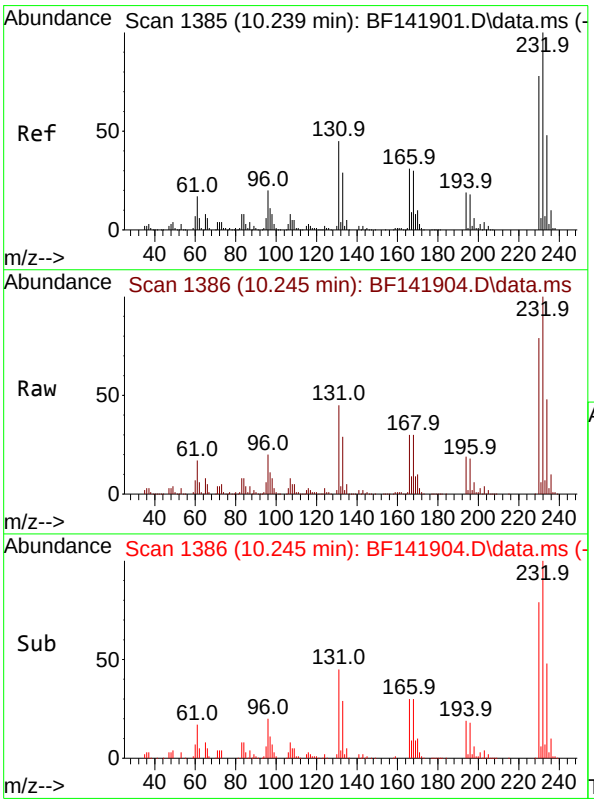
Ion	Ratio	Lower	Upper
166	100		
165	97.5	79.0	118.4
167	13.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

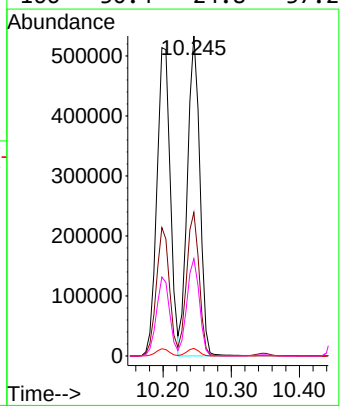
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

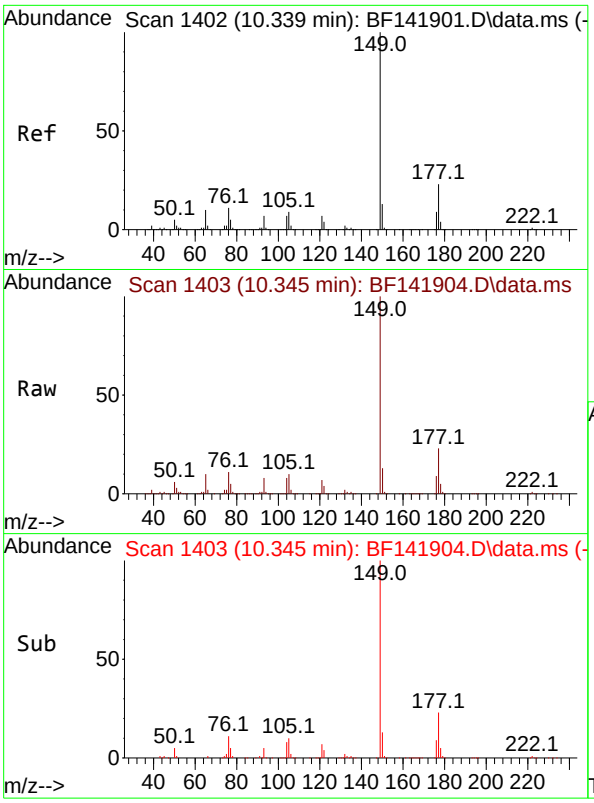


#59
2,3,4,6-Tetrachlorophenol
Concen: 80.507 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:232 Resp: 668027

Ion	Ratio	Lower	Upper
232	100		
131	45.4	37.3	55.9
130	2.3	1.9	2.9
166	30.4	24.8	37.2

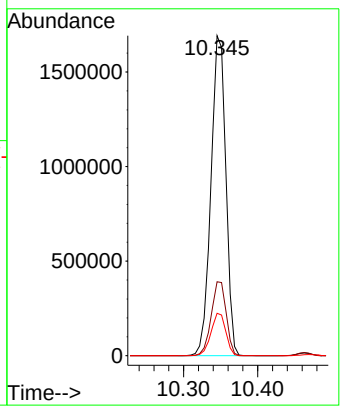




#60
Diethylphthalate
Concen: 74.681 ng
RT: 10.345 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 235892

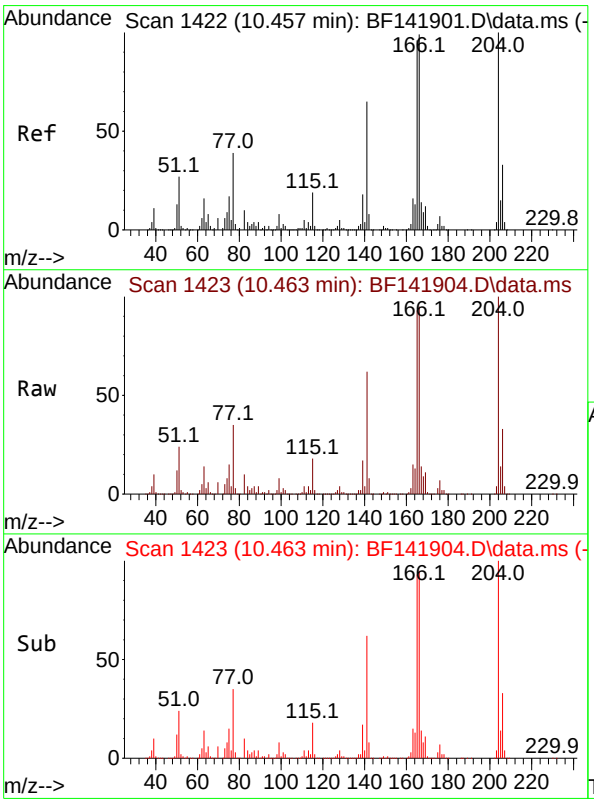
Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.0	27.0
150	13.3	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

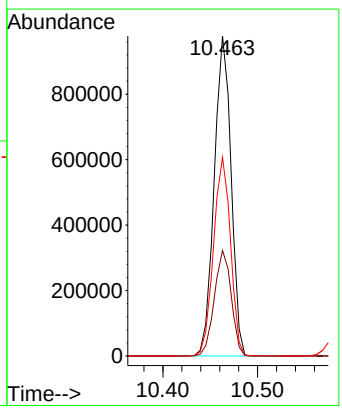
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

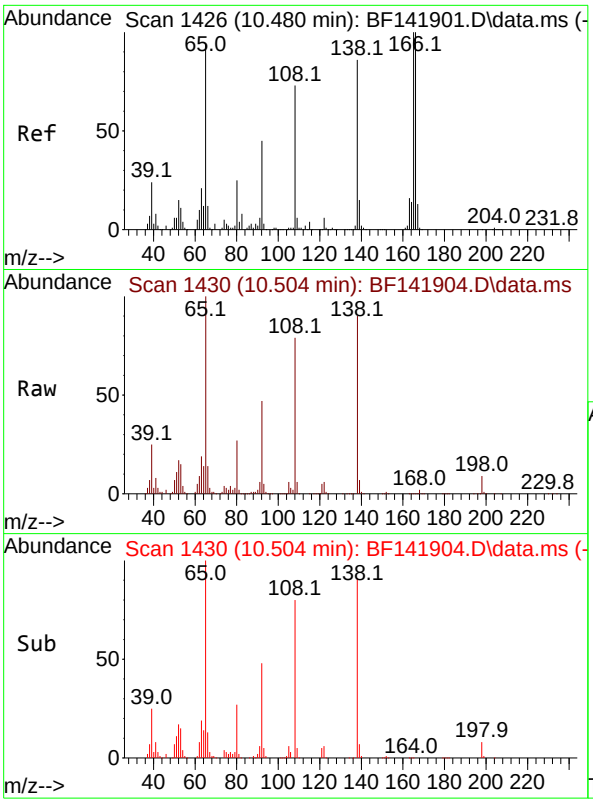


#61
4-Chlorophenyl-phenylether
Concen: 78.724 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:204 Resp: 1209021

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.8	40.2
141	62.1	52.4	78.6

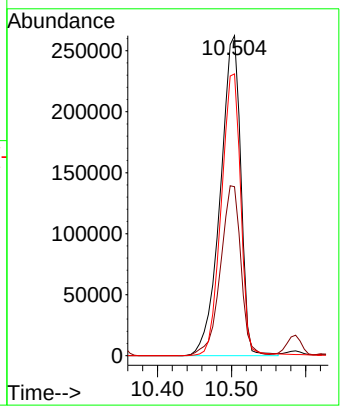




#62
4-Nitroaniline
Concen: 77.243 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.024 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:138 Resp: 50289

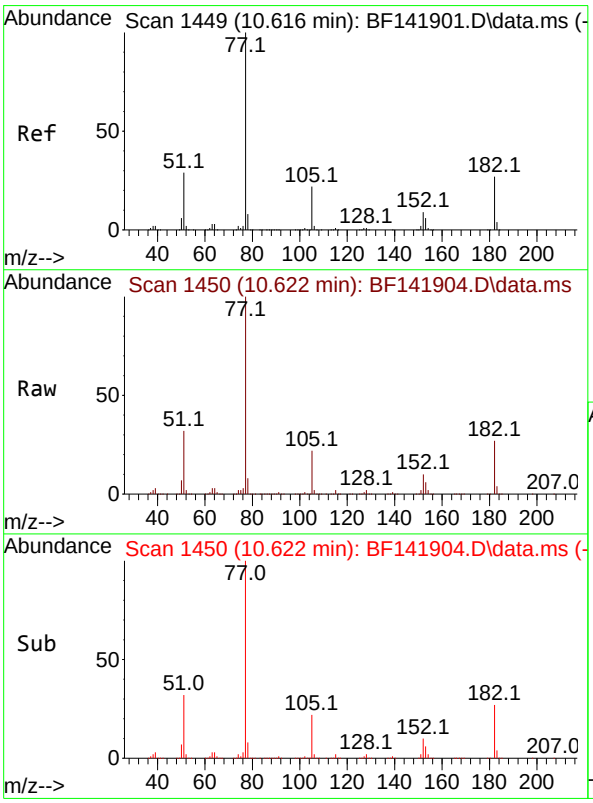
Ion	Ratio	Lower	Upper
138	100		
92	52.8	32.6	72.6
108	88.1	65.0	105.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

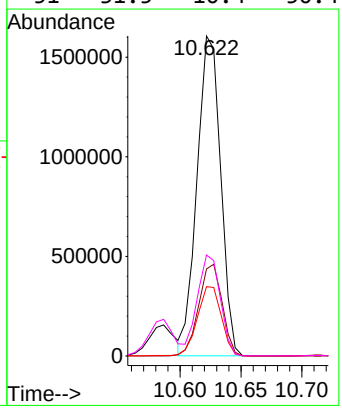
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

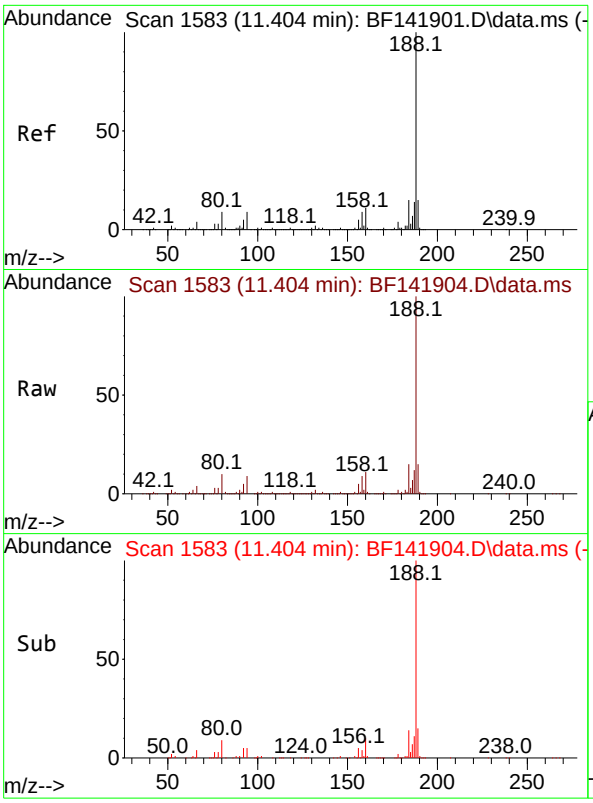


#63
Azobenzene
Concen: 73.911 ng
RT: 10.622 min Scan# 1450
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 77 Resp: 2168742

Ion	Ratio	Lower	Upper
77	100		
182	27.2	6.6	46.6
105	21.7	1.3	41.3
51	31.5	10.4	50.4

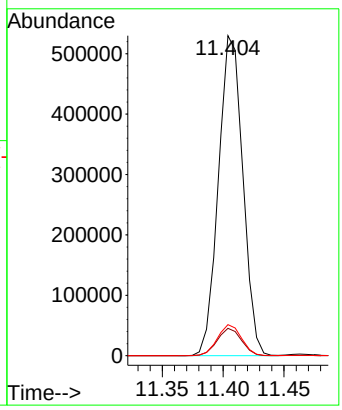




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:188 Resp: 73847

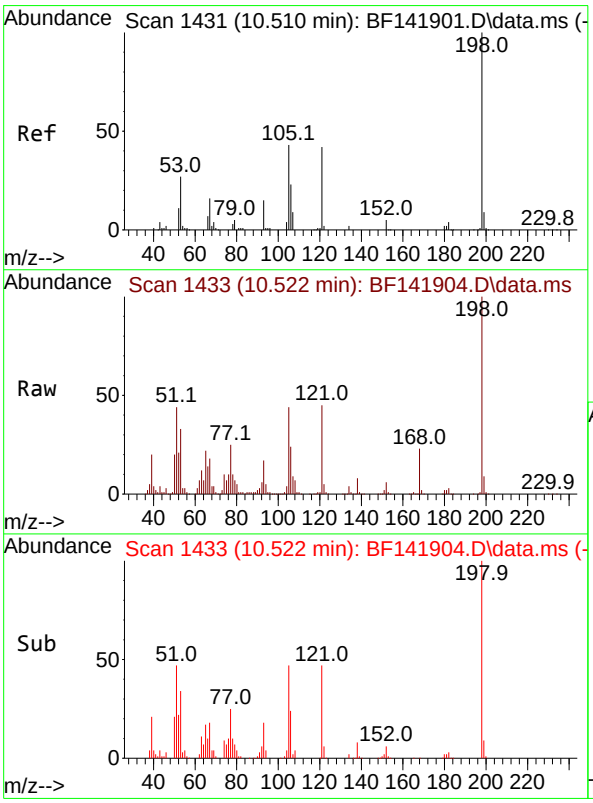
Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.7	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

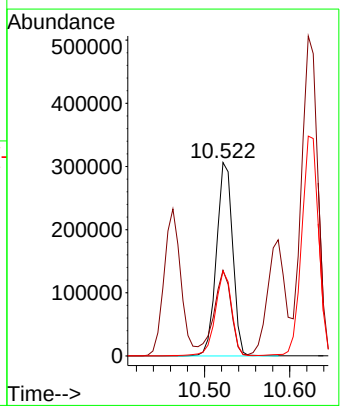
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

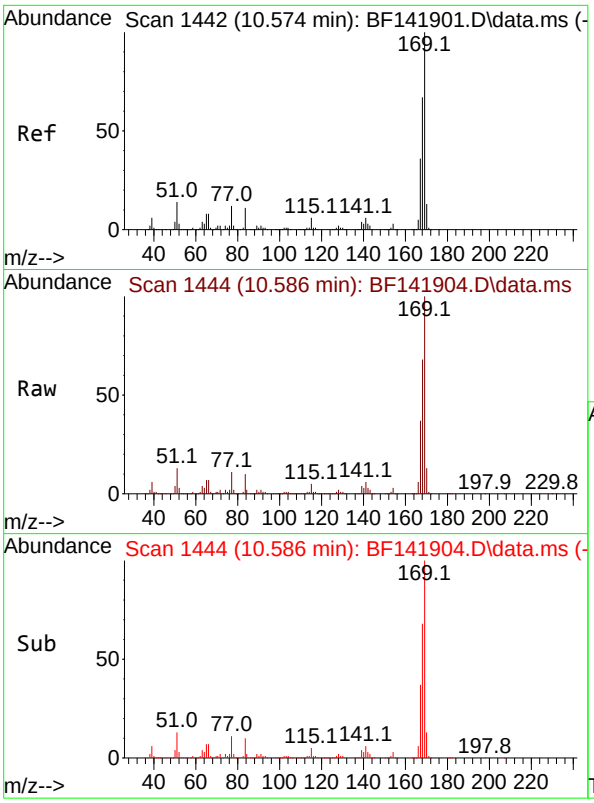


#65
4,6-Dinitro-2-methylphenol
Concen: 92.396 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:198 Resp: 404505

Ion	Ratio	Lower	Upper
198	100		
51	44.2	22.3	62.3
105	43.9	23.0	63.0

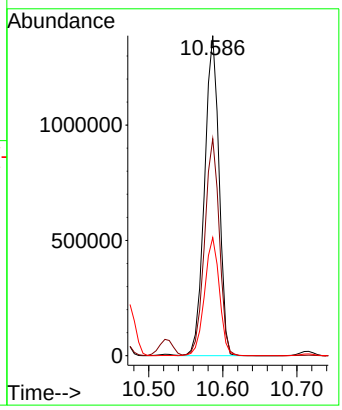




#66
n-Nitrosodiphenylamine
Concen: 78.895 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:169 Resp: 188209

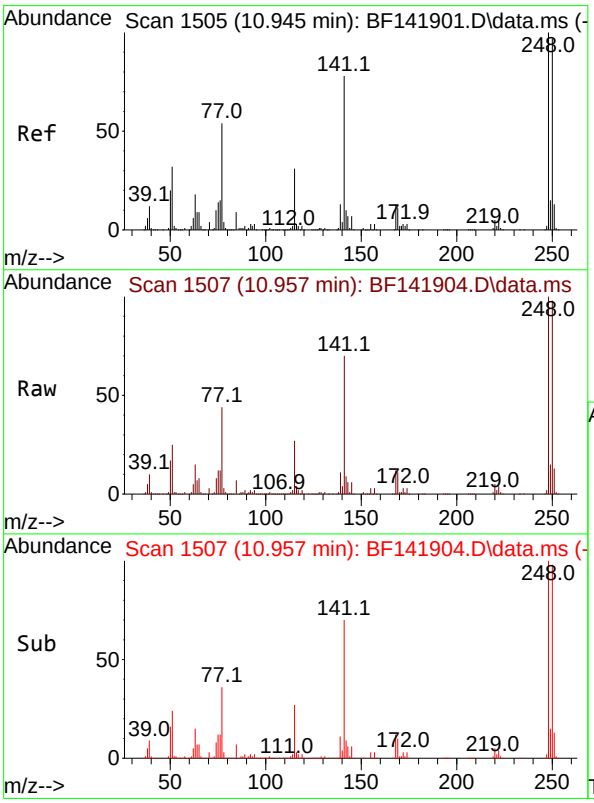
Ion	Ratio	Lower	Upper
169	100		
168	67.8	53.7	80.5
167	36.9	29.2	43.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

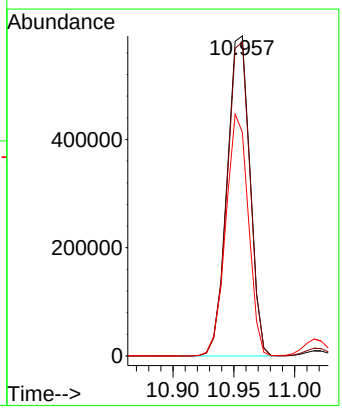
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

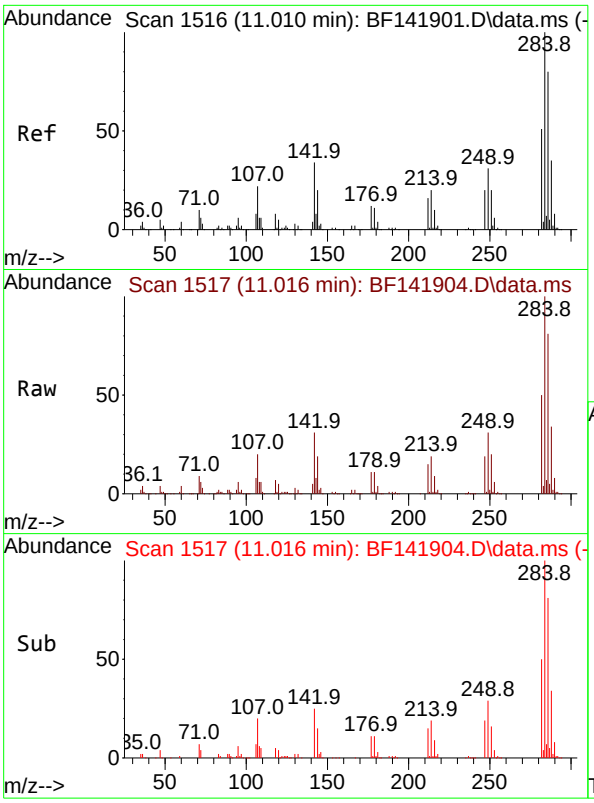


#67
4-Bromophenyl-phenylether
Concen: 84.232 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:248 Resp: 774645

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.8	116.8
141	69.9	62.6	93.8

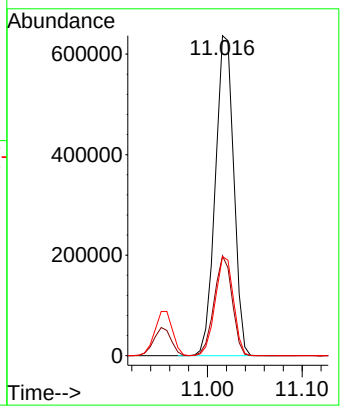




#68
Hexachlorobenzene
Concen: 84.832 ng
RT: 11.016 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:284 Resp: 86235

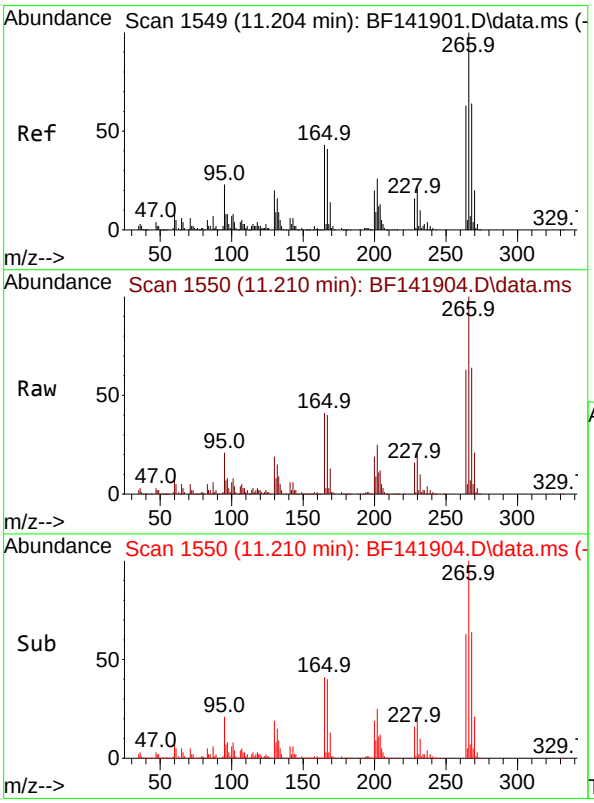
Ion	Ratio	Lower	Upper
284	100		
142	31.2	27.0	40.6
249	31.0	25.2	37.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

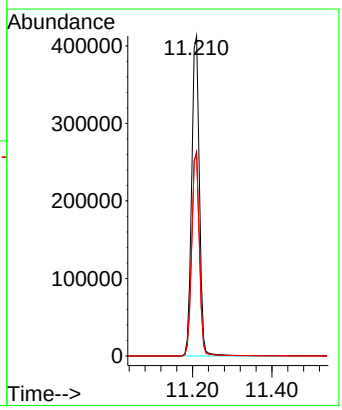
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

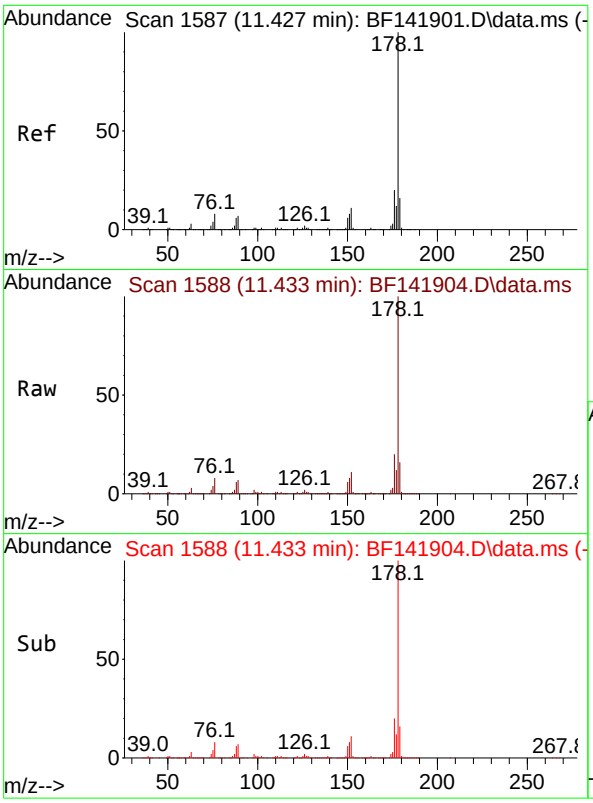


#70
Pentachlorophenol
Concen: 89.813 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:266 Resp: 563030

Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.0	76.6
264	62.9	50.2	75.2

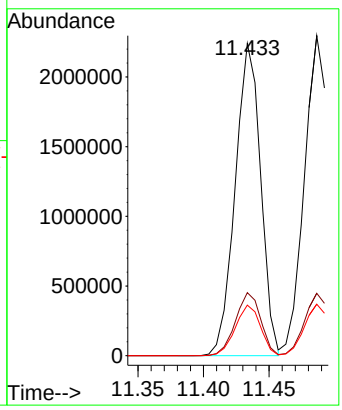




#71
Phenanthrene
Concen: 75.649 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:178 Resp: 302095

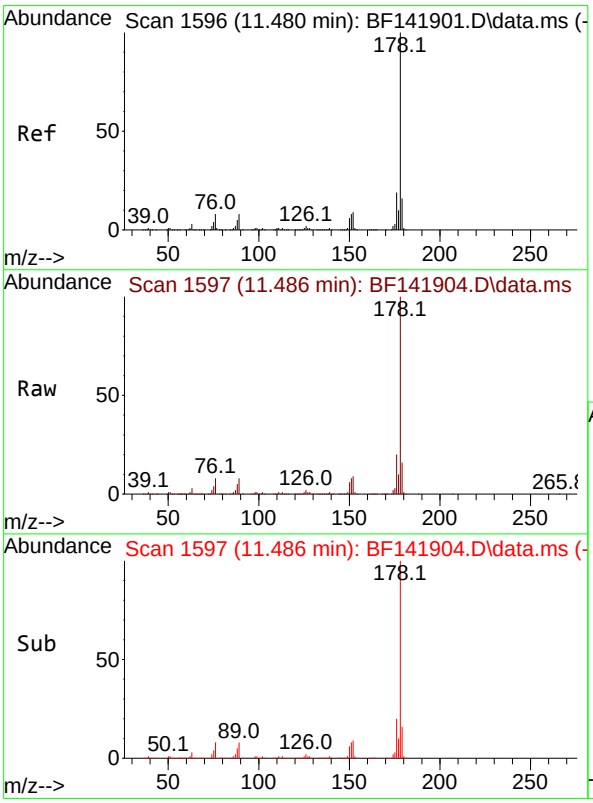
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	16.2	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

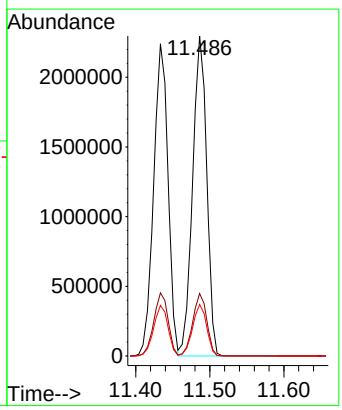
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

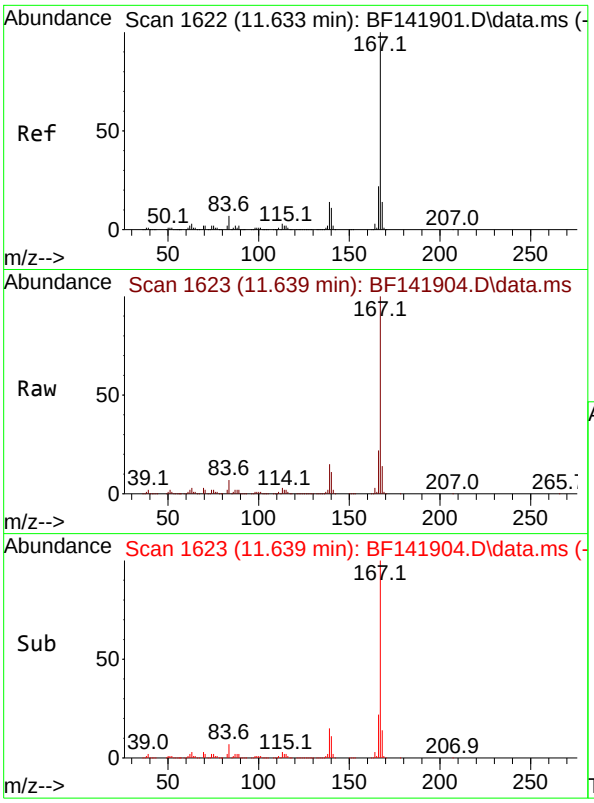


#72
Anthracene
Concen: 75.653 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:178 Resp: 3031014

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	16.1	12.6	19.0

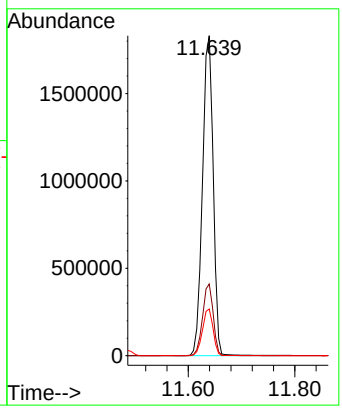




#73
Carbazole
Concen: 74.002 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:167 Resp: 255256

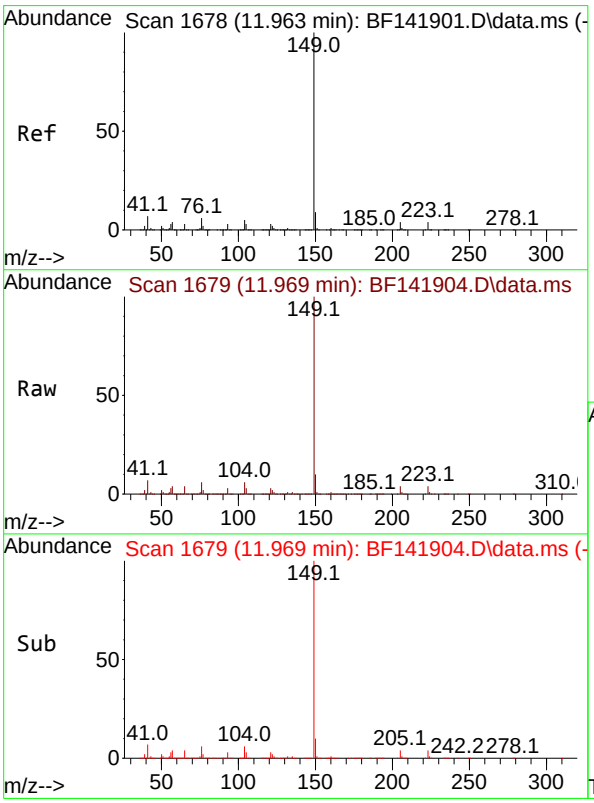
Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.4	26.2
139	14.6	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

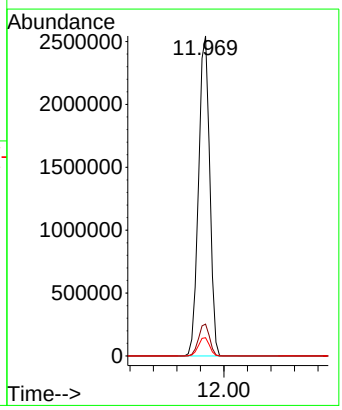
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

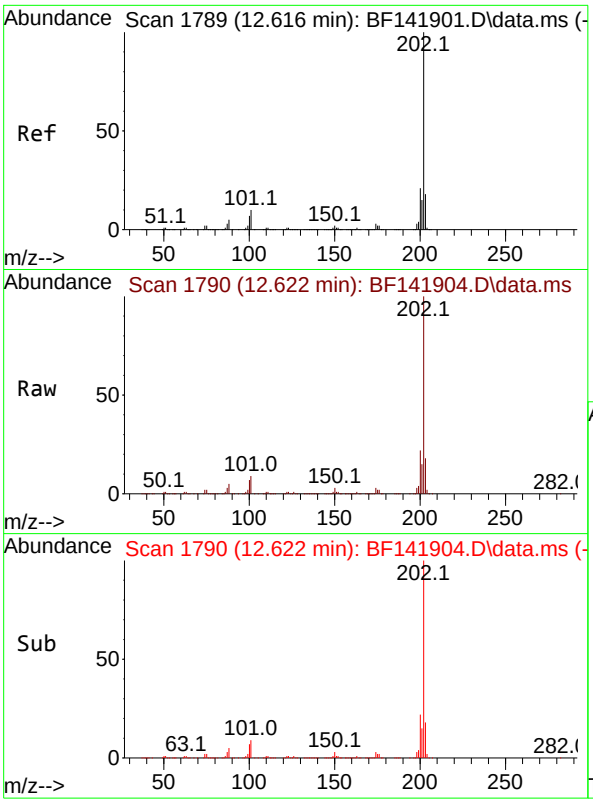


#74
Di-n-butylphthalate
Concen: 73.399 ng
RT: 11.969 min Scan# 1679
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 3342776

Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.6	11.4
104	5.7	4.4	6.6

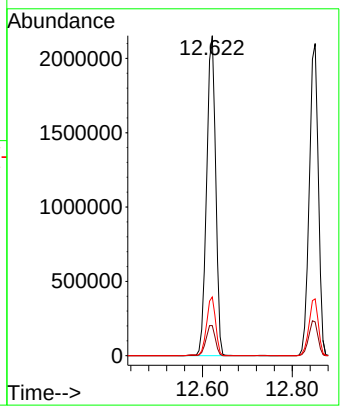




#75
Fluoranthene
Concen: 71.694 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:202 Resp: 300556

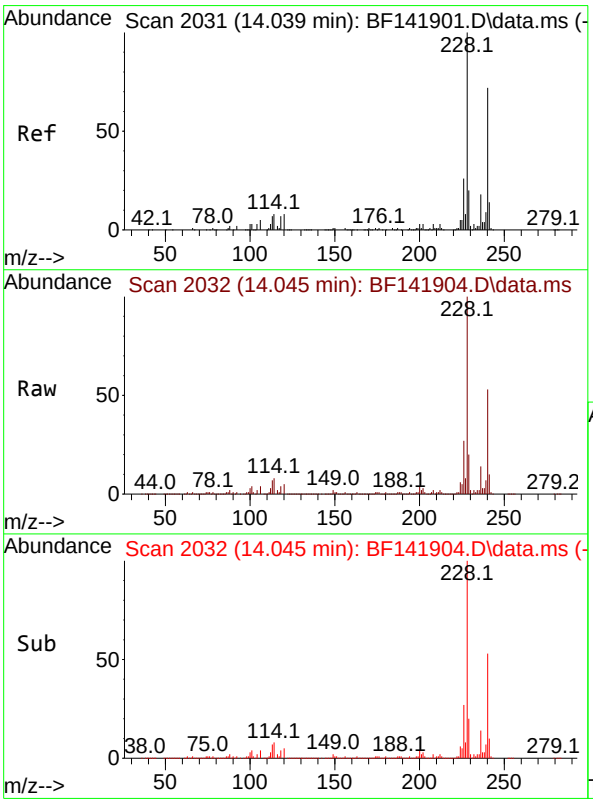
Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.7
203	18.4	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

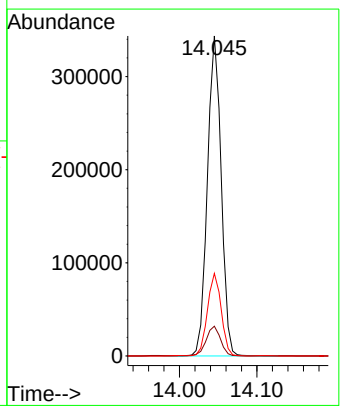
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

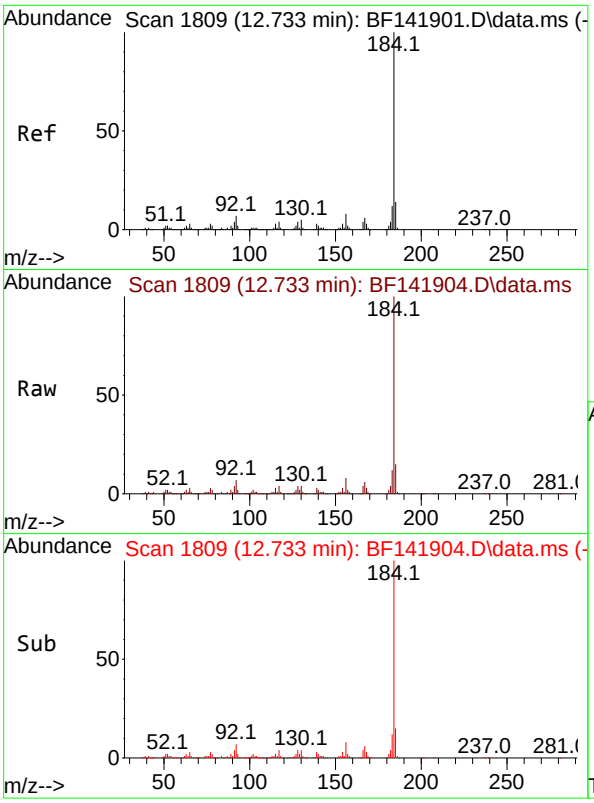


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:240 Resp: 424370

Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.4	12.6
236	25.8	20.5	30.7

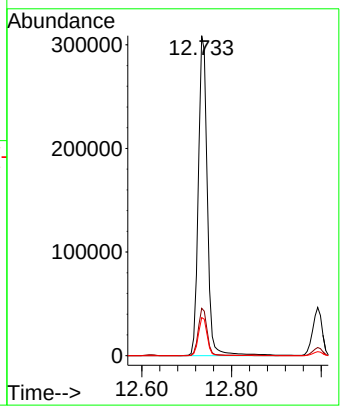




#77
Benzidine
Concen: 71.330 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:184 Resp: 42777

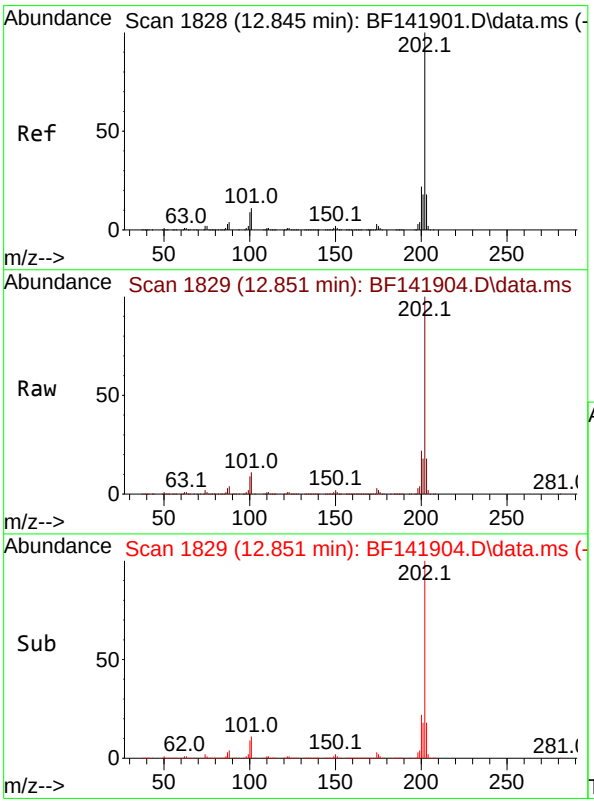
Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.5	17.3
183	11.9	9.7	14.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

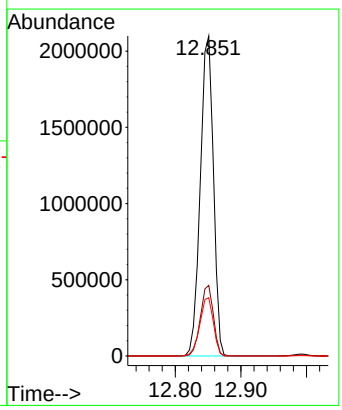
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

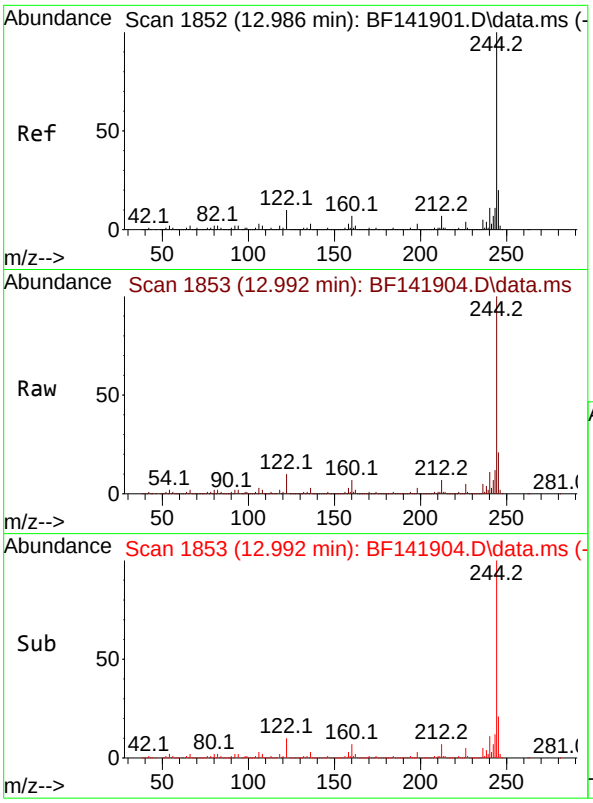


#78
Pyrene
Concen: 80.513 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:202 Resp: 2930115

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.3	25.9
203	18.2	14.4	21.6

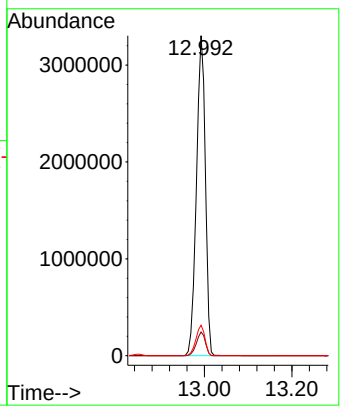




#79
Terphenyl-d14
Concen: 163.713 ng
RT: 12.992 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:244 Resp: 470002

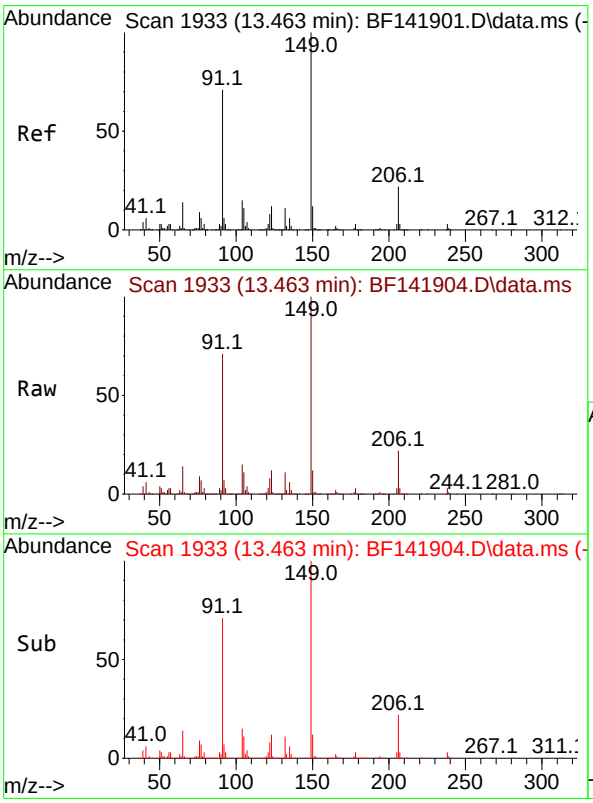
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	9.5	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

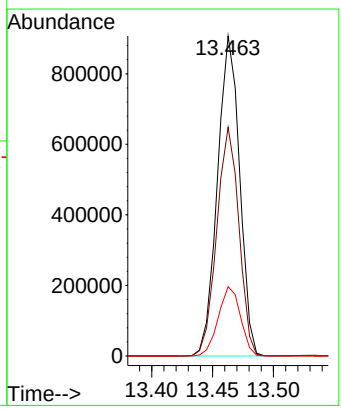
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

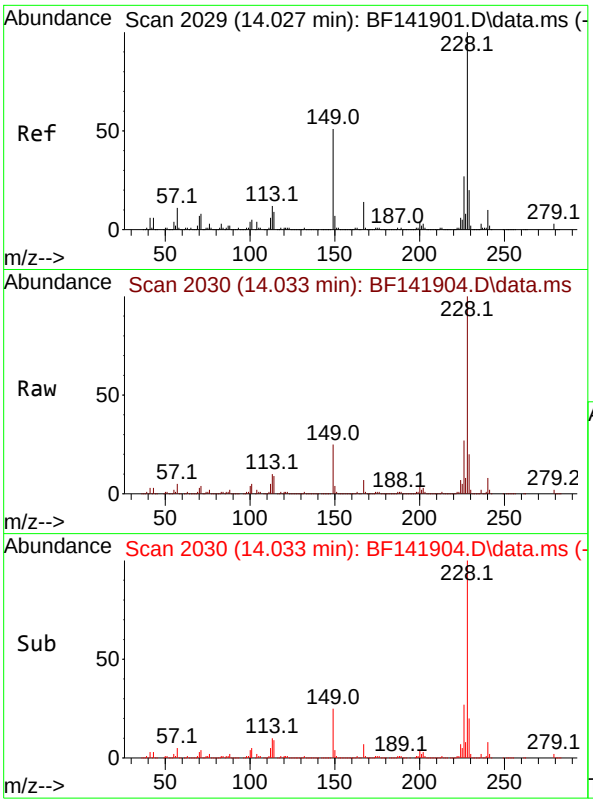


#80
Butylbenzylphthalate
Concen: 80.189 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 1149989

Ion	Ratio	Lower	Upper
149	100		
91	71.4	56.5	84.7
206	21.7	17.3	25.9

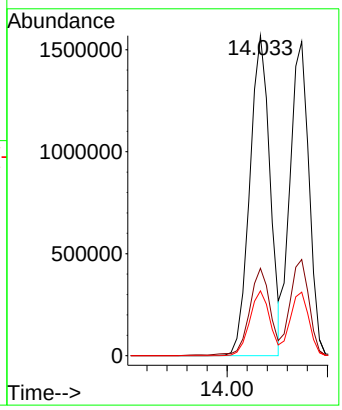




#81
Benzo(a)anthracene
Concen: 78.692 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:228 Resp: 219693

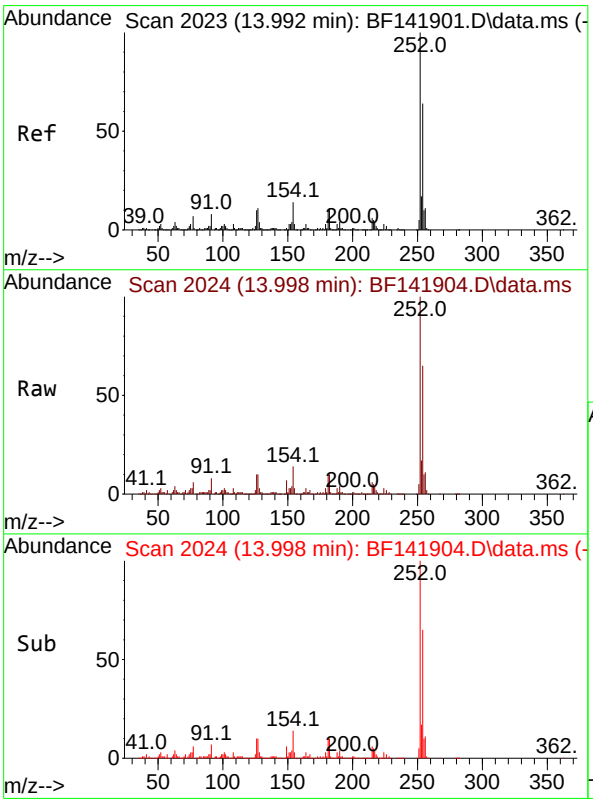
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.3	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

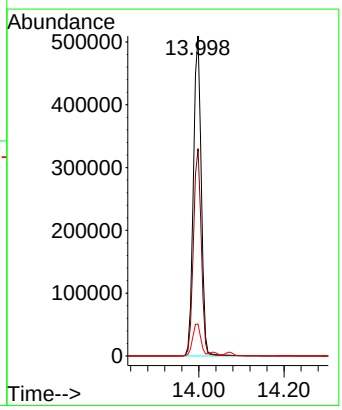
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

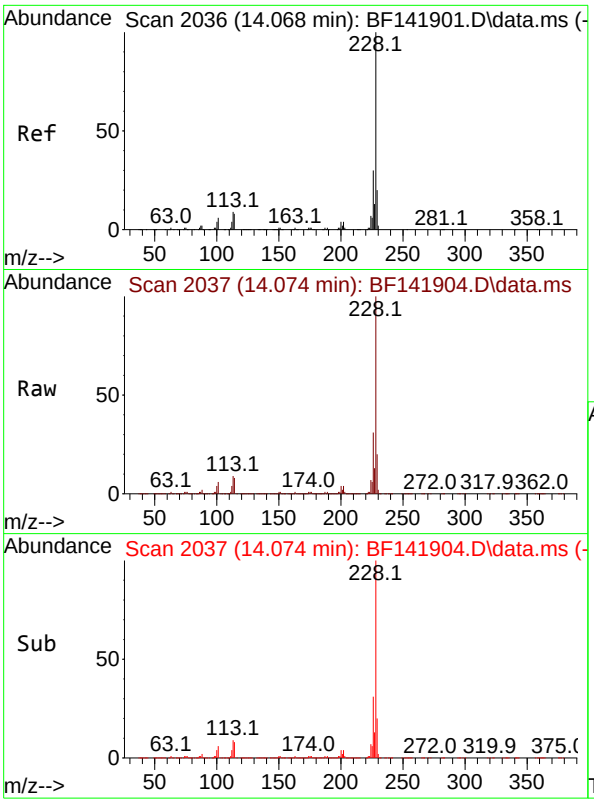


#82
3,3'-Dichlorobenzidine
Concen: 80.884 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 652678

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.0	76.6
126	9.9	8.4	12.6

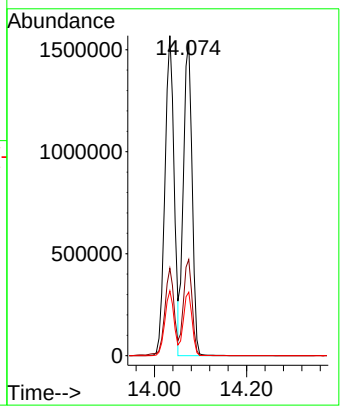




#83
Chrysene
Concen: 80.498 ng
RT: 14.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:228 Resp: 201883

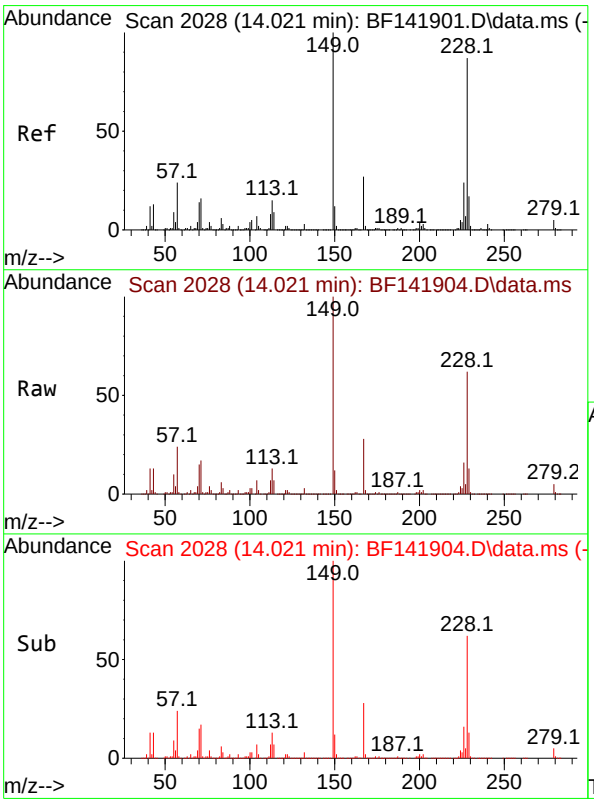
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	20.2	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

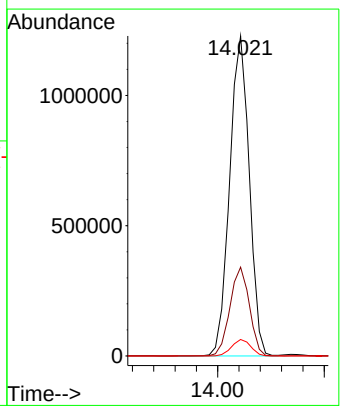
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

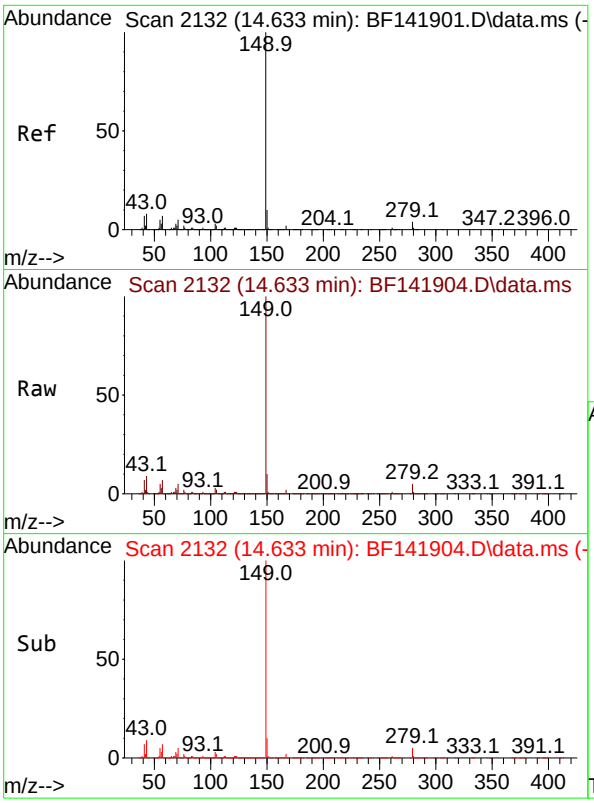


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.962 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 1573231

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.4	32.0
279	5.2	3.8	5.6

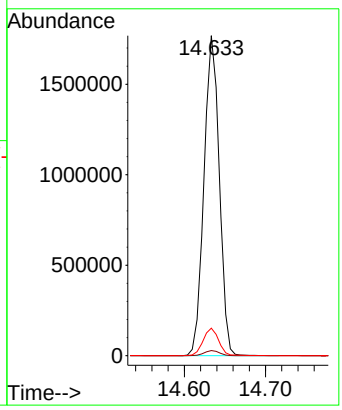




#85
Di-n-octyl phthalate
Concen: 84.386 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 231083

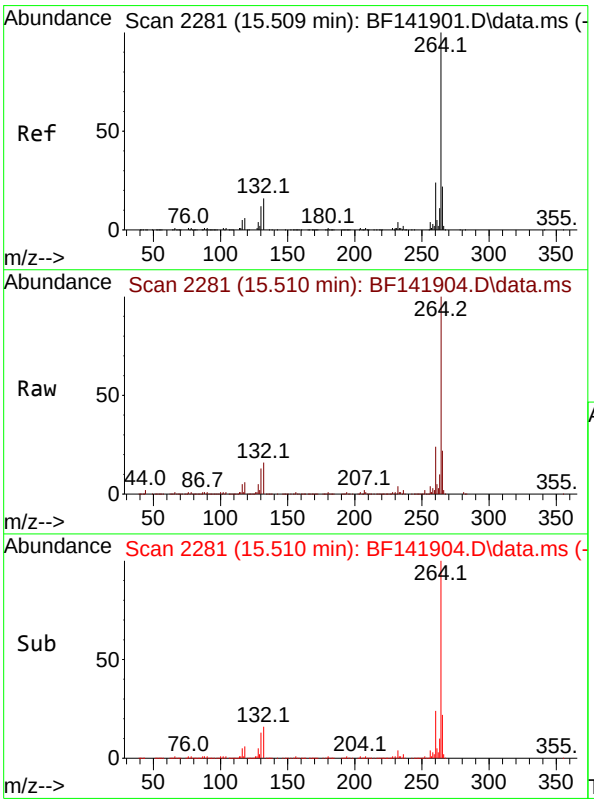
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	6.9	10.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

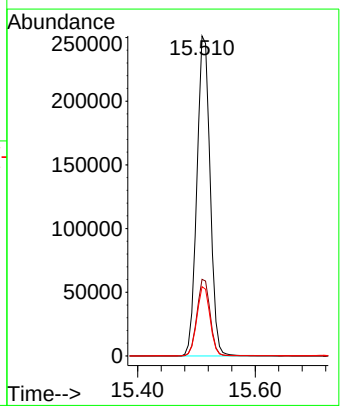
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

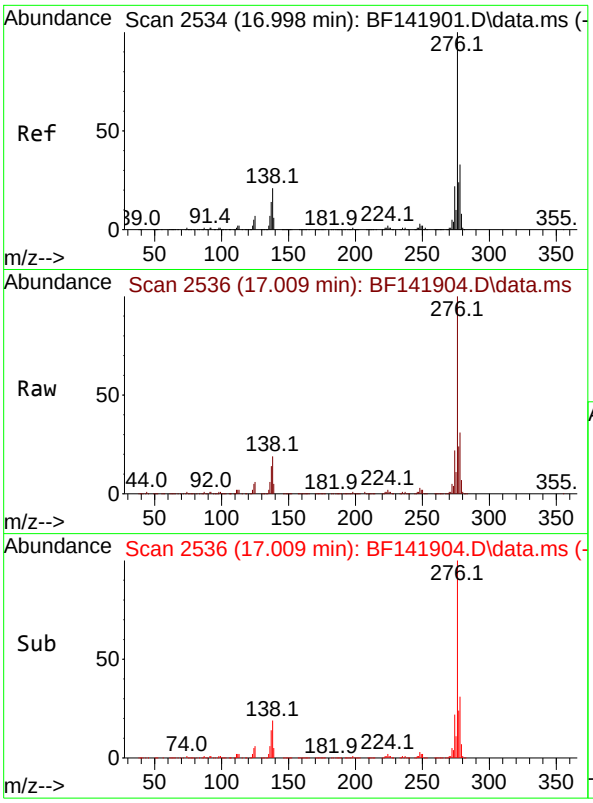


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:264 Resp: 391768

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.7	17.5	26.3

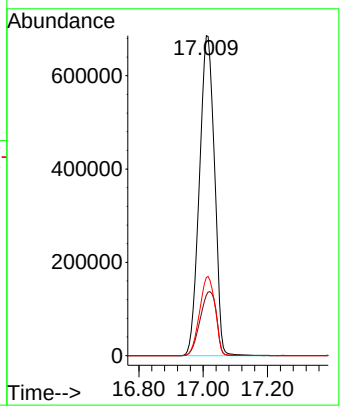




#87
Indeno(1,2,3-cd)pyrene
Concen: 88.111 ng
RT: 17.009 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:276 Resp: 223858

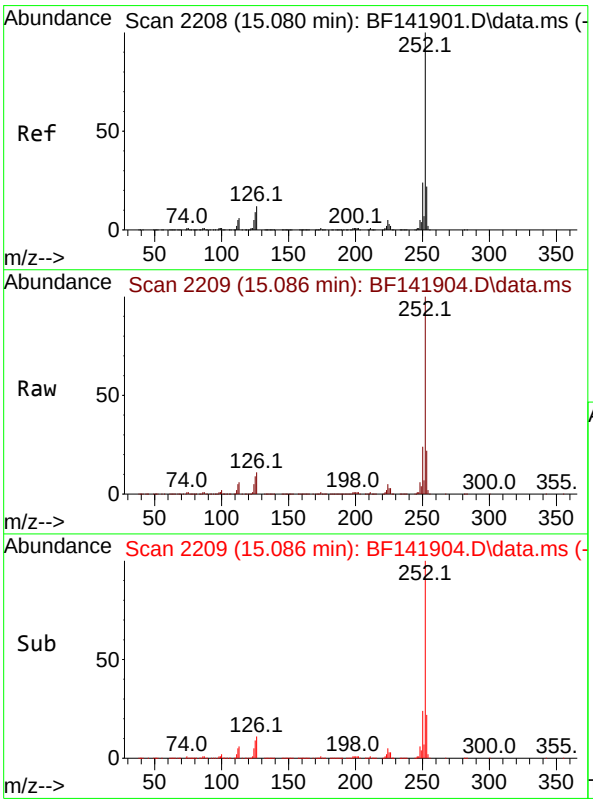
Ion	Ratio	Lower	Upper
276	100		
138	21.6	18.4	27.6
277	25.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

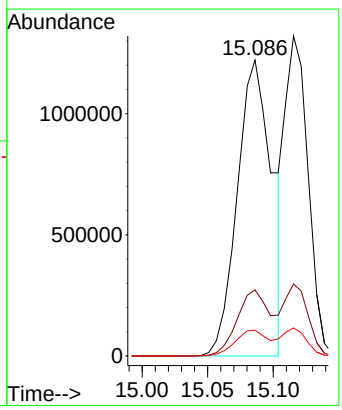
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

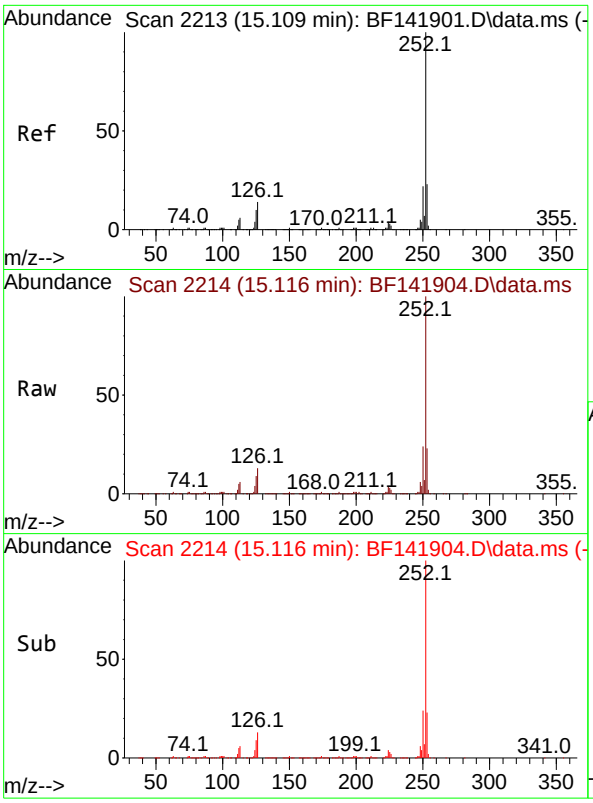


#88
Benzo(b)fluoranthene
Concen: 84.536 ng
RT: 15.086 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 2246428

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	8.7	7.0	10.4

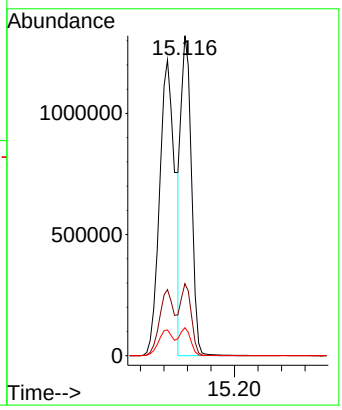




#89
Benzo(k)fluoranthene
Concen: 70.292 ng
RT: 15.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 163167

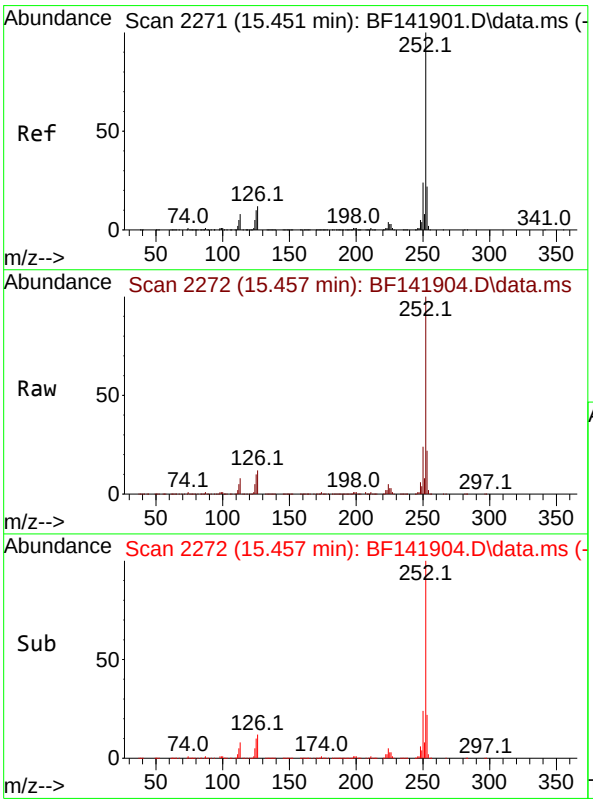
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	8.8	7.2	10.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

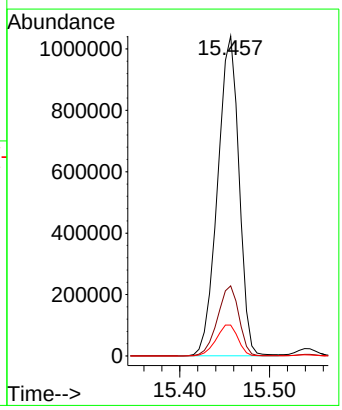
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

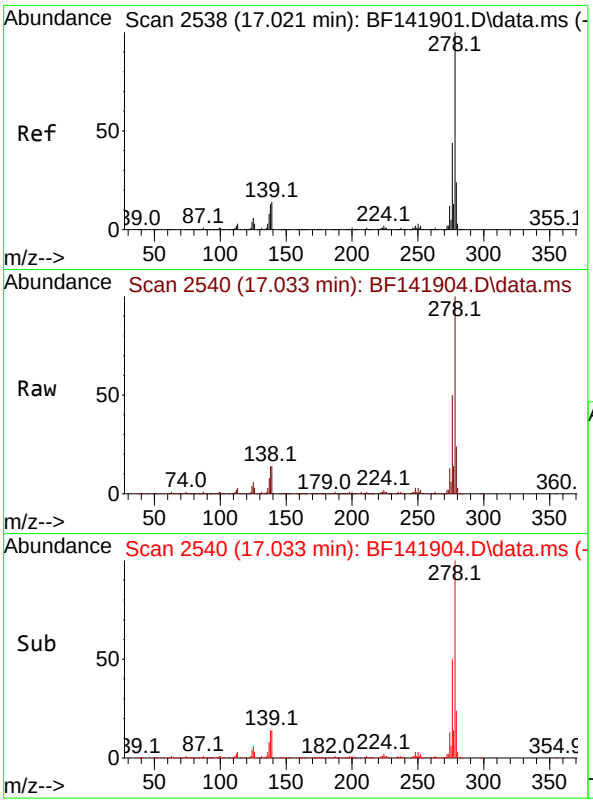


#90
Benzo(a)pyrene
Concen: 82.339 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 1725632

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	9.7	7.8	11.8

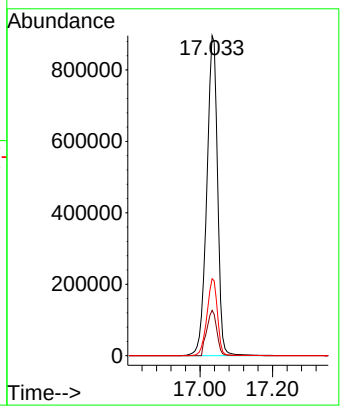




#91
Dibenzo(a,h)anthracene
Concen: 88.098 ng
RT: 17.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:278 Resp: 184677

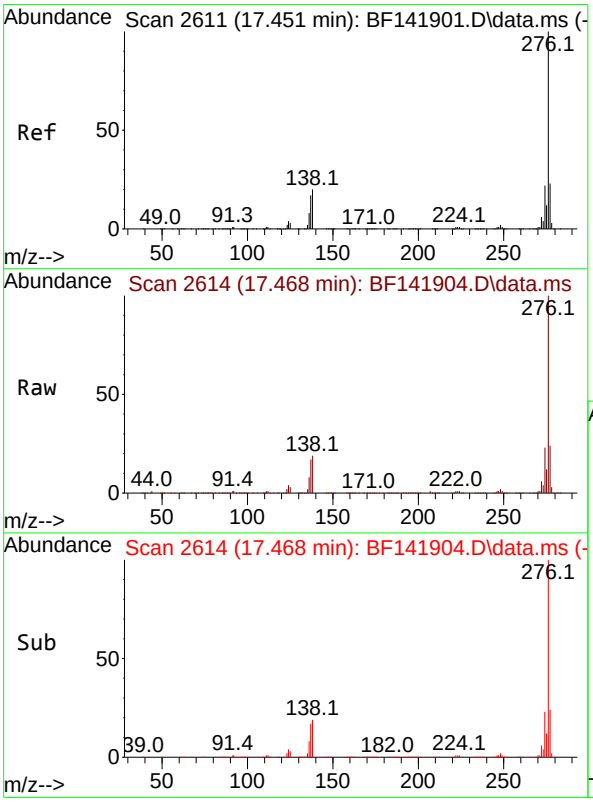
Ion	Ratio	Lower	Upper
278	100		
139	14.1	11.4	17.2
279	24.1	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

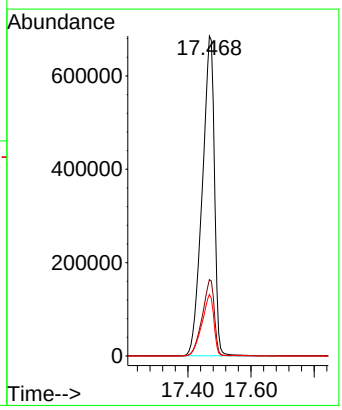
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#92
Benzo(g,h,i)perylene
Concen: 87.950 ng
RT: 17.468 min Scan# 2614
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:276 Resp: 1828662

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	19.2	15.8	23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Mar 10 15:39:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	215017	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	877329	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	481971	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	811142	20.000	ng		0.00
76) Chrysene-d12	14.045	240	491943	20.000	ng		0.00
86) Perylene-d12	15.509	264	413564	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	1249601	96.967	ng		0.00
7) Phenol-d6	6.504	99	1594608	97.156	ng		0.00
23) Nitrobenzene-d5	7.445	82	1507471	96.304	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	625035	102.342	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	3064989	96.836	ng		0.00
79) Terphenyl-d14	12.992	244	3394803	102.007	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	266045	49.258	ng		99
3) Pyridine	3.434	79	646627	48.716	ng		99
4) n-Nitrosodimethylamine	3.398	42	320008	50.718	ng		99
6) Aniline	6.545	93	775854	47.884	ng		99
8) 2-Chlorophenol	6.669	128	696154	48.738	ng		100
9) Benzaldehyde	6.434	77	418049	45.569	ng		99
10) Phenol	6.522	94	829086	47.876	ng		96
11) bis(2-Chloroethyl)ether	6.616	93	631516	48.672	ng		100
12) 1,3-Dichlorobenzene	6.822	146	753352	48.807	ng		99
13) 1,4-Dichlorobenzene	6.898	146	756875	48.465	ng		100
14) 1,2-Dichlorobenzene	7.051	146	706635	48.049	ng		100
15) Benzyl Alcohol	7.022	79	652454	49.113	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	745710	47.687	ng		100
17) 2-Methylphenol	7.128	107	557981	49.153	ng		99
18) Hexachloroethane	7.392	117	290127	49.551	ng		99
19) n-Nitroso-di-n-propyla...	7.298	70	505166	47.887	ng		99
20) 3+4-Methylphenols	7.286	107	704563	48.388	ng	#	86
22) Acetophenone	7.292	105	987577	46.924	ng		97
24) Nitrobenzene	7.463	77	752936	48.514	ng		99
25) Isophorone	7.704	82	1327254	48.027	ng		99
26) 2-Nitrophenol	7.781	139	392772	51.644	ng		100
27) 2,4-Dimethylphenol	7.810	122	510395	48.725	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	826776	47.757	ng		100
29) 2,4-Dichlorophenol	8.016	162	647319	49.793	ng		100
30) 1,2,4-Trichlorobenzene	8.104	180	697274	48.617	ng		99
31) Naphthalene	8.186	128	2196111	48.863	ng		100
32) Benzoic acid	7.939	122	500593	54.676	ng		100
33) 4-Chloroaniline	8.233	127	775699	48.909	ng		99
34) Hexachlorobutadiene	8.304	225	469787	50.376	ng		99
35) Caprolactam	8.616	113	193267	48.891	ng		95
36) 4-Chloro-3-methylphenol	8.710	107	721800	49.925	ng		100
37) 2-Methylnaphthalene	8.875	142	1436485	47.638	ng		100
38) 1-Methylnaphthalene	8.975	142	1357356	46.482	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	719431	48.955	ng		99
41) Hexachlorocyclopentadiene	9.027	237	284968	49.142	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	481782	50.291	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Mar 10 15:39:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

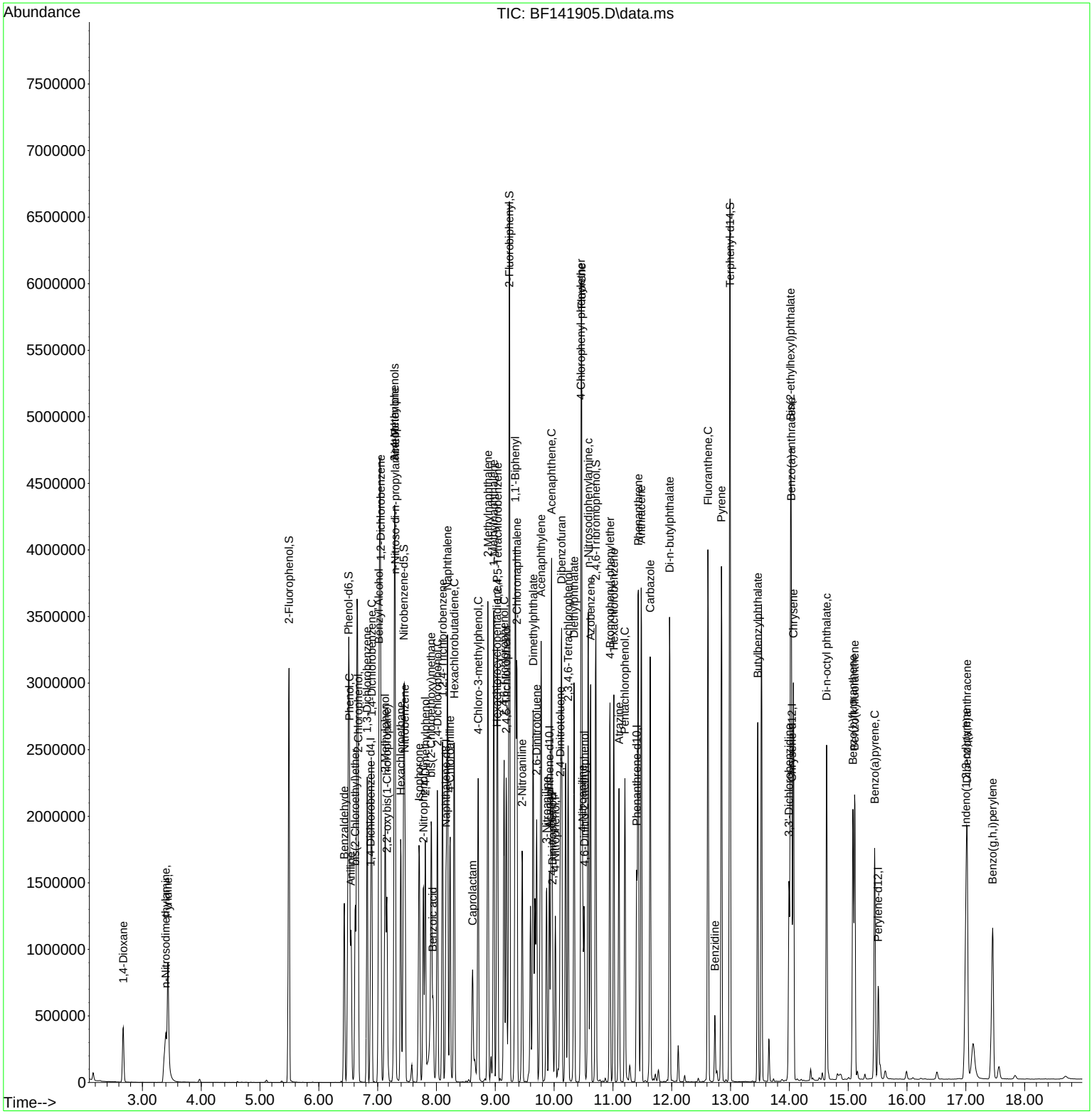
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	482570	49.580	ng		99
46) 1,1'-Biphenyl	9.339	154	1809746	49.526	ng		99
47) 2-Chloronaphthalene	9.369	162	1360528	49.960	ng		99
48) 2-Nitroaniline	9.457	65	429111	54.854	ng		97
49) Acenaphthylene	9.780	152	2005538	49.674	ng		100
50) Dimethylphthalate	9.645	163	1716995	51.273	ng		100
51) 2,6-Dinitrotoluene	9.704	165	370368	53.184	ng		96
52) Acenaphthene	9.957	154	1377901	48.333	ng		98
53) 3-Nitroaniline	9.874	138	340633	47.638	ng		100
54) 2,4-Dinitrophenol	9.975	184	184410	49.104	ng	#	58
55) Dibenzofuran	10.127	168	1936780	47.647	ng		99
56) 4-Nitrophenol	10.022	139	276487	51.474	ng		99
57) 2,4-Dinitrotoluene	10.104	165	461276	50.321	ng		97
58) Fluorene	10.469	166	1497123	47.708	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	438025	49.600	ng		100
60) Diethylphthalate	10.339	149	1635073	48.639	ng		100
61) 4-Chlorophenyl-phenyle...	10.457	204	799744	48.929	ng		99
62) 4-Nitroaniline	10.486	138	346378	49.990	ng		99
63) Azobenzene	10.622	77	1519356	48.653	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	262910	54.673	ng		99
66) n-Nitrosodiphenylamine	10.580	169	1293745	49.373	ng		100
67) 4-Bromophenyl-phenylether	10.951	248	532762	52.740	ng		97
68) Hexachlorobenzene	11.016	284	573467	51.359	ng		97
69) Atrazine	11.104	200	418147	65.441	ng		99
70) Pentachlorophenol	11.204	266	365292	53.050	ng		99
71) Phenanthrene	11.433	178	2080633	47.434	ng		100
72) Anthracene	11.480	178	2081490	47.299	ng		99
73) Carbazole	11.633	167	1831424	48.338	ng		99
74) Di-n-butylphthalate	11.963	149	2510447	50.185	ng		99
75) Fluoranthene	12.616	202	2328357	50.564	ng		99
77) Benzidine	12.733	184	270893	38.966	ng		99
78) Pyrene	12.845	202	2308671	54.723	ng		100
80) Butylbenzylphthalate	13.463	149	864849	52.022	ng		99
81) Benzo(a)anthracene	14.033	228	1592035	49.192	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	449408	48.044	ng		99
83) Chrysene	14.068	228	1465389	50.404	ng		100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1203021	52.747	ng		99
85) Di-n-octyl phthalate	14.633	149	1692206	53.307	ng		100
87) Indeno(1,2,3-cd)pyrene	17.003	276	1366974	50.969	ng		99
88) Benzo(b)fluoranthene	15.080	252	1392083	49.625	ng		99
89) Benzo(k)fluoranthene	15.109	252	1167351	47.638	ng		100
90) Benzo(a)pyrene	15.451	252	1119256	50.591	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	1131875	51.149	ng		99
92) Benzo(g,h,i)perylene	17.456	276	1099760	50.106	ng		99

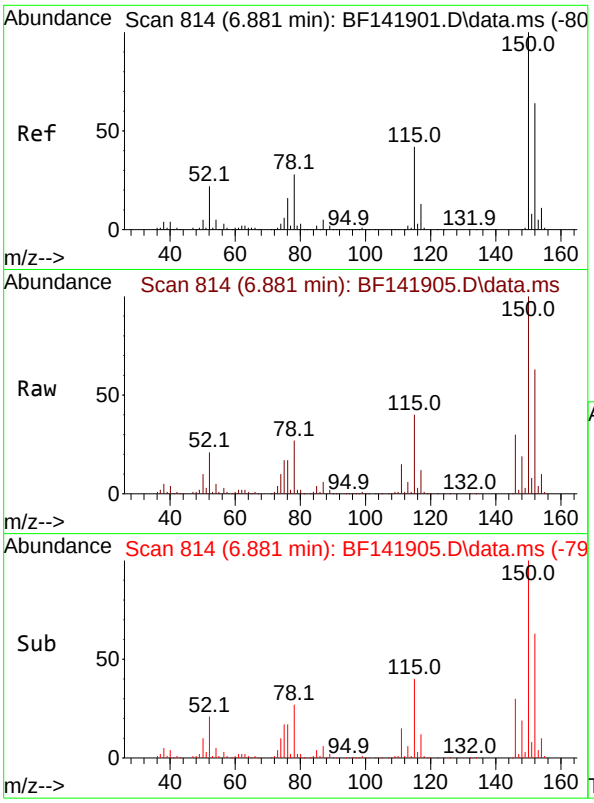
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Mar 10 15:39:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



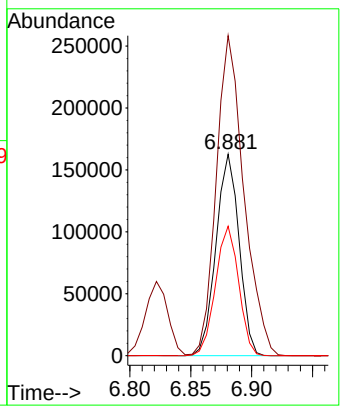


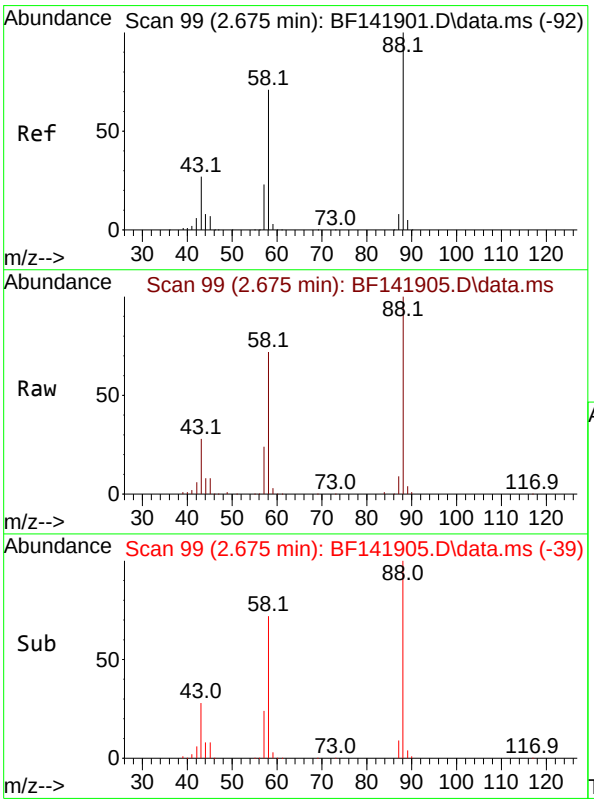
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 215017

Ion	Ratio	Lower	Upper
152	100		
150	158.8	127.4	191.2
115	64.3	51.9	77.9

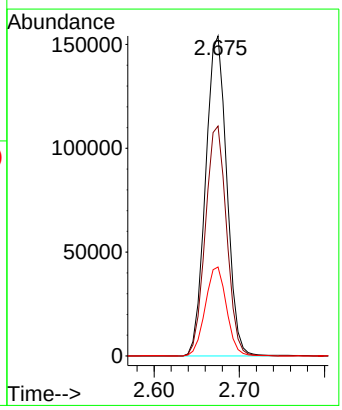


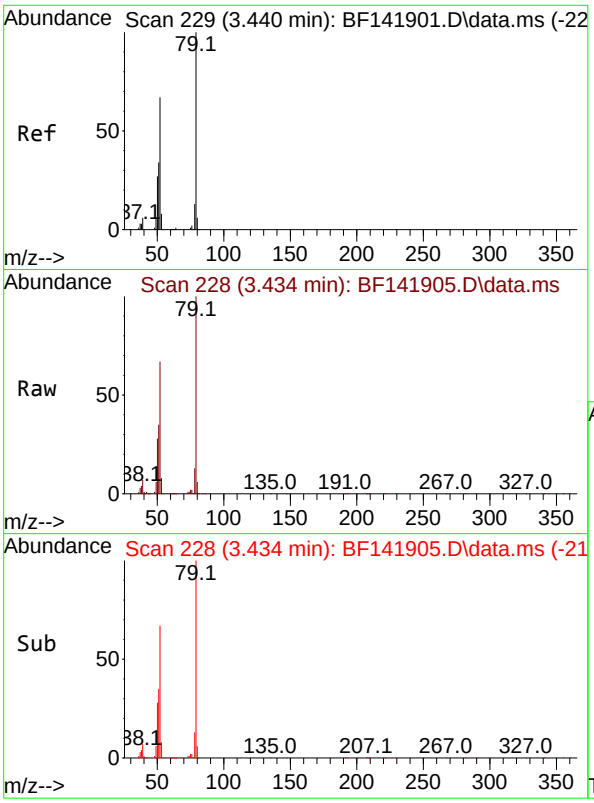


#2
1,4-Dioxane
Concen: 49.258 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 88 Resp: 266045

Ion	Ratio	Lower	Upper
88	100		
58	72.1	57.4	86.2
43	27.9	21.5	32.3



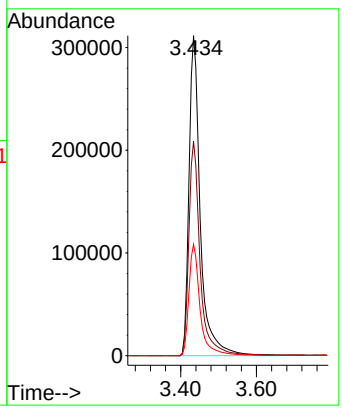


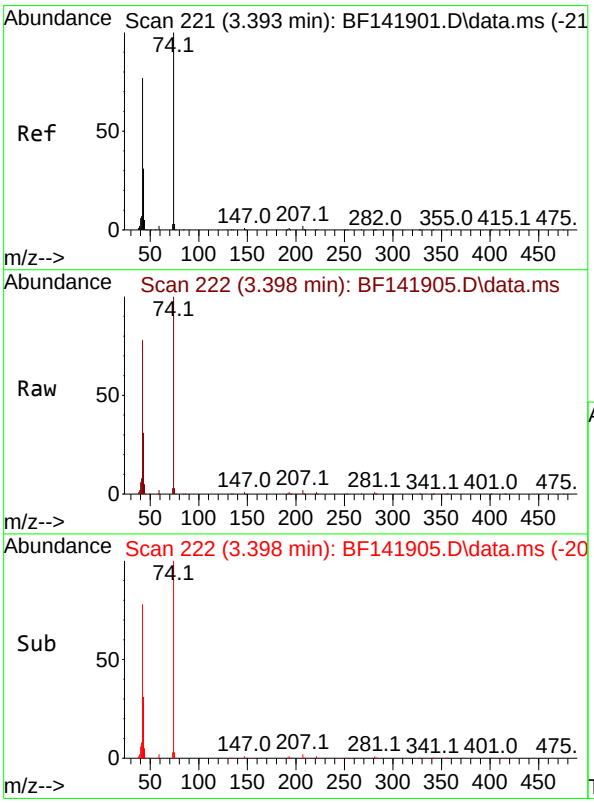
#3
Pyridine
Concen: 48.716 ng
RT: 3.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 646627

Ion	Ratio	Lower	Upper
79	100		
52	67.0	53.3	79.9
51	34.8	27.6	41.4

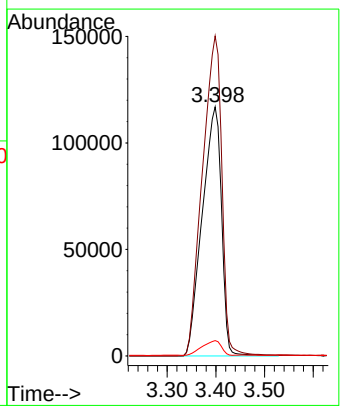


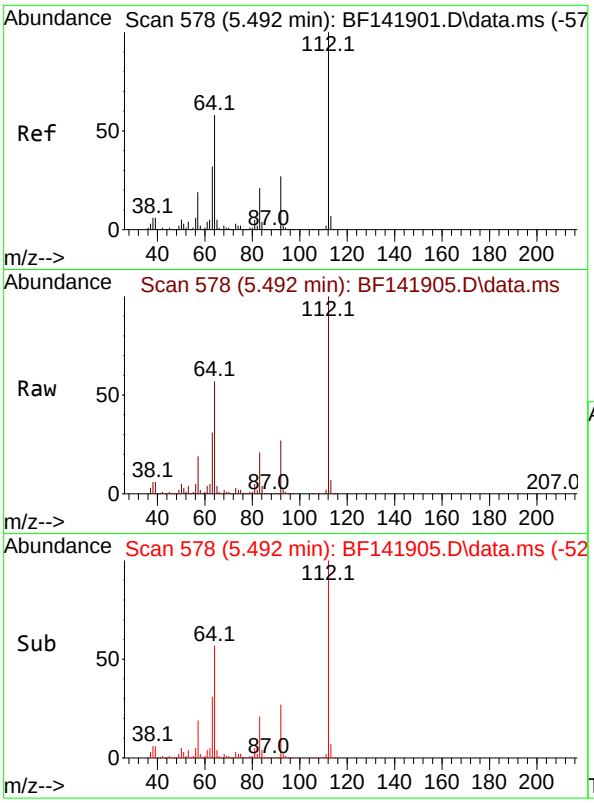


#4
n-Nitrosodimethylamine
Concen: 50.718 ng
RT: 3.398 min Scan# 222
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 42 Resp: 320008

Ion	Ratio	Lower	Upper
42	100		
74	128.4	103.4	155.0
44	6.2	5.0	7.4



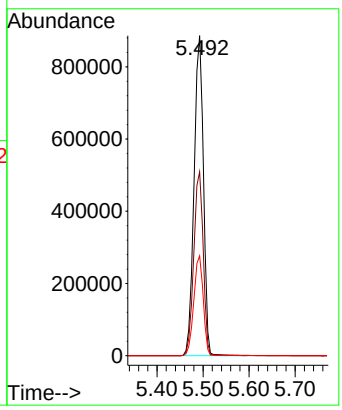


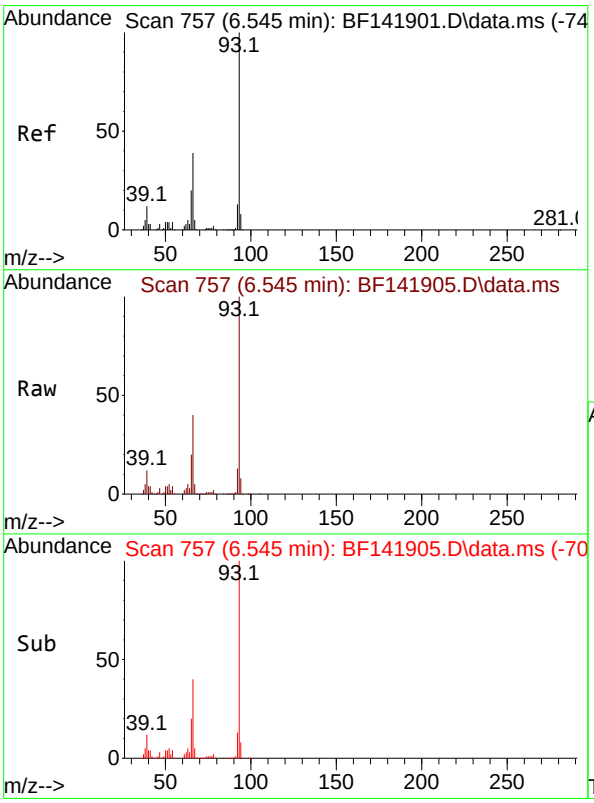
#5
2-Fluorophenol
Concen: 96.967 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1249601

Ion	Ratio	Lower	Upper
112	100		
64	57.5	46.5	69.7
63	31.2	25.4	38.2

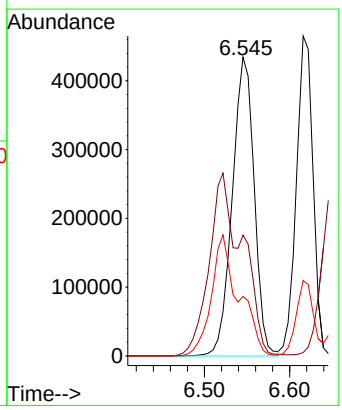


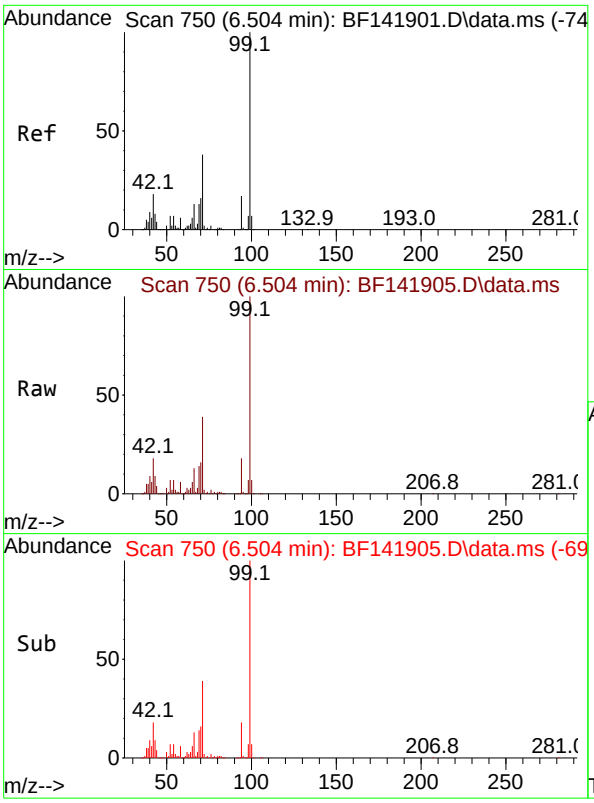


#6
Aniline
Concen: 47.884 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 93 Resp: 775854

Ion	Ratio	Lower	Upper
93	100		
66	40.4	31.9	47.9
65	19.9	15.8	23.6



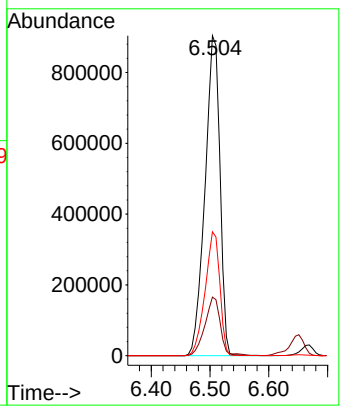


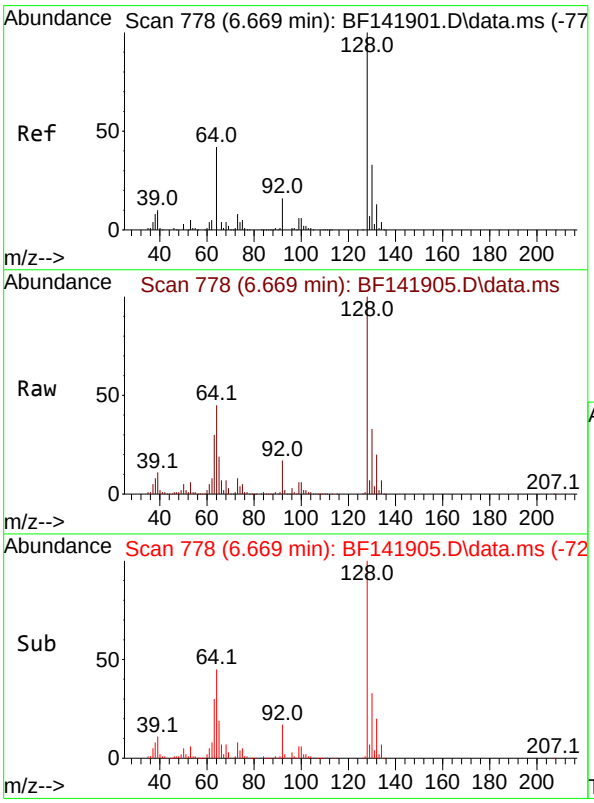
#7
Phenol-d6
Concen: 97.156 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1594608

Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.6	21.8
71	38.7	30.8	46.2

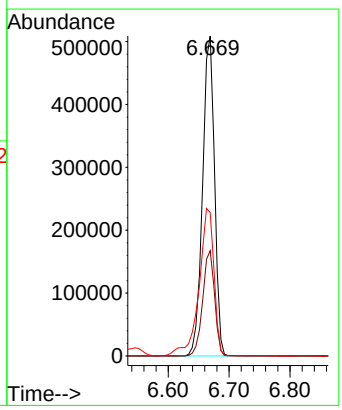


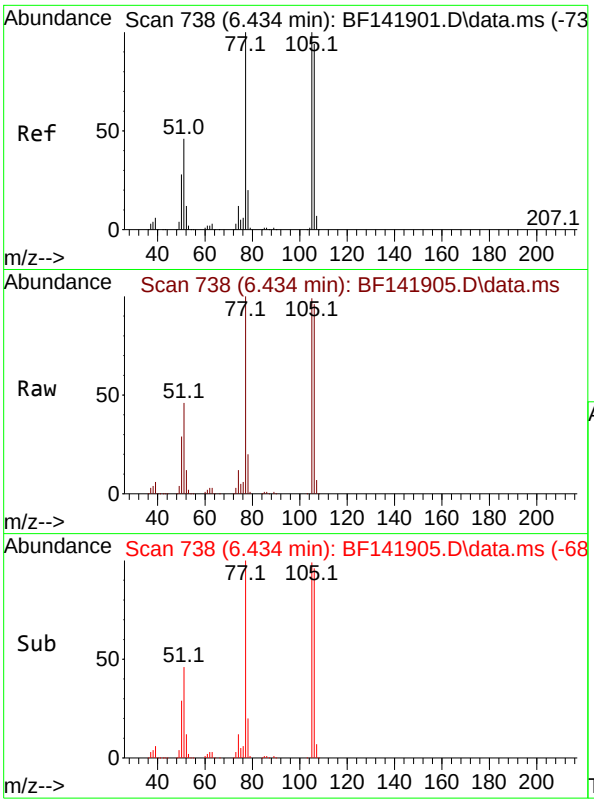


#8
2-Chlorophenol
Concen: 48.738 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:128 Resp: 696154

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.8	52.8
64	44.8	24.4	64.4



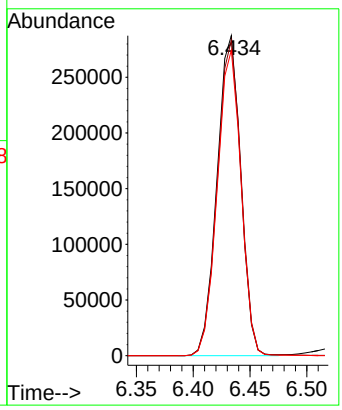


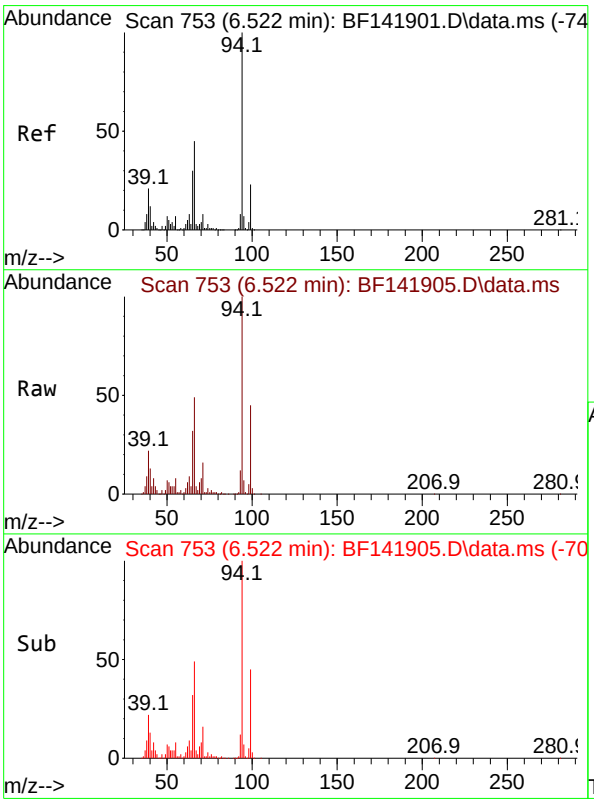
#9
Benzaldehyde
Concen: 45.569 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 418049

Ion	Ratio	Lower	Upper
77	100		
105	98.6	80.0	120.0
106	95.5	74.5	114.5

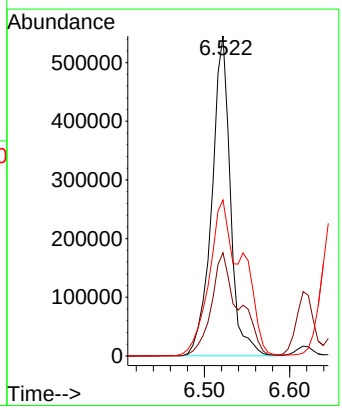


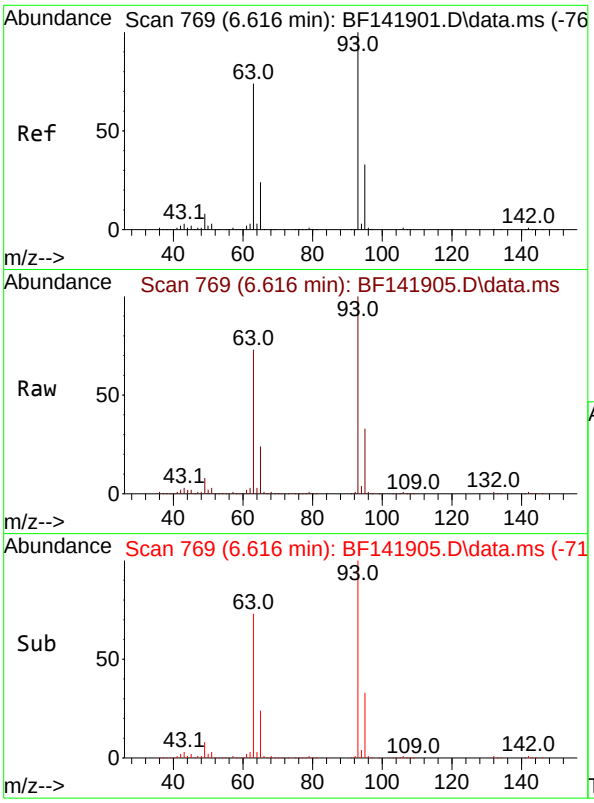


#10
Phenol
Concen: 47.876 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 94 Resp: 829086

Ion	Ratio	Lower	Upper
94	100		
65	32.3	10.5	50.5
66	48.7	25.8	65.8



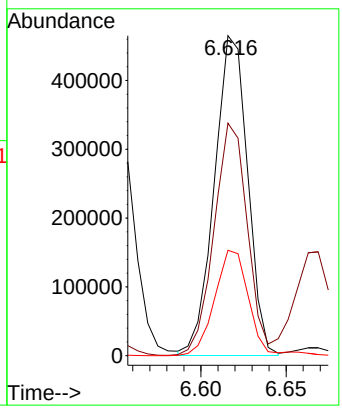


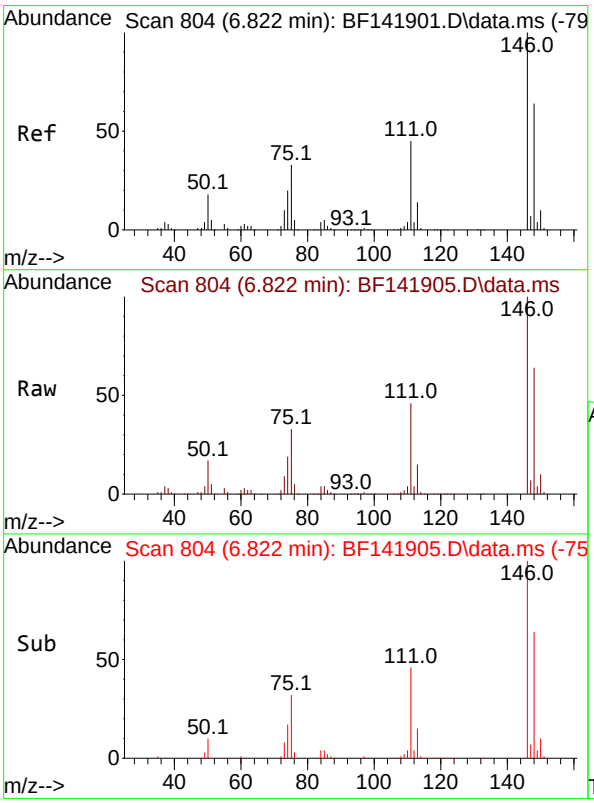
#11
bis(2-Chloroethyl)ether
Concen: 48.672 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 631516

Ion	Ratio	Lower	Upper
93	100		
63	72.7	53.0	93.0
95	33.0	12.9	52.9

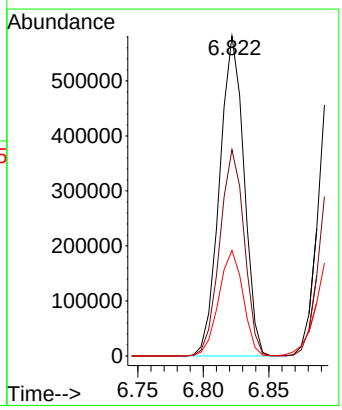


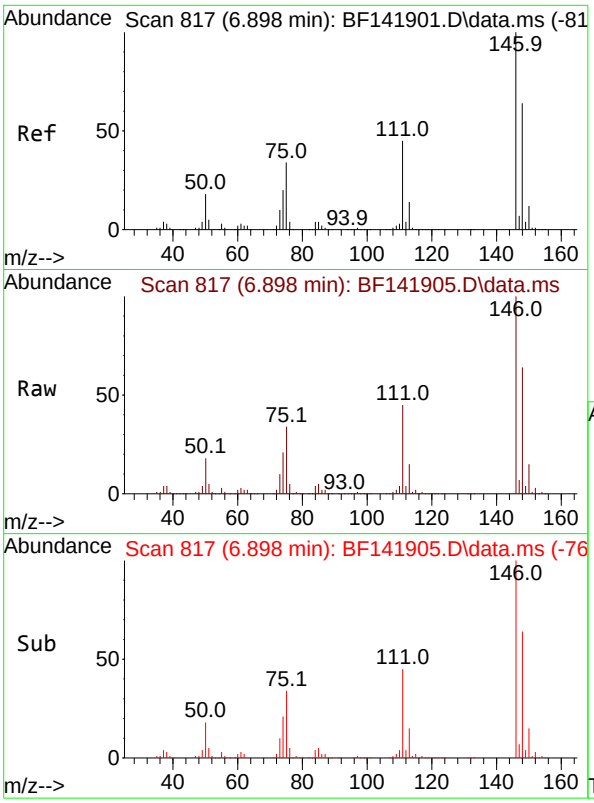


#12
1,3-Dichlorobenzene
Concen: 48.807 ng
RT: 6.822 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:146 Resp: 753352

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.3	76.9
75	32.9	26.6	40.0



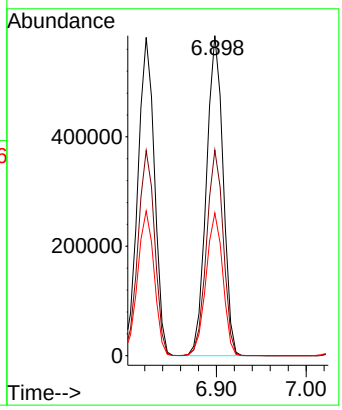


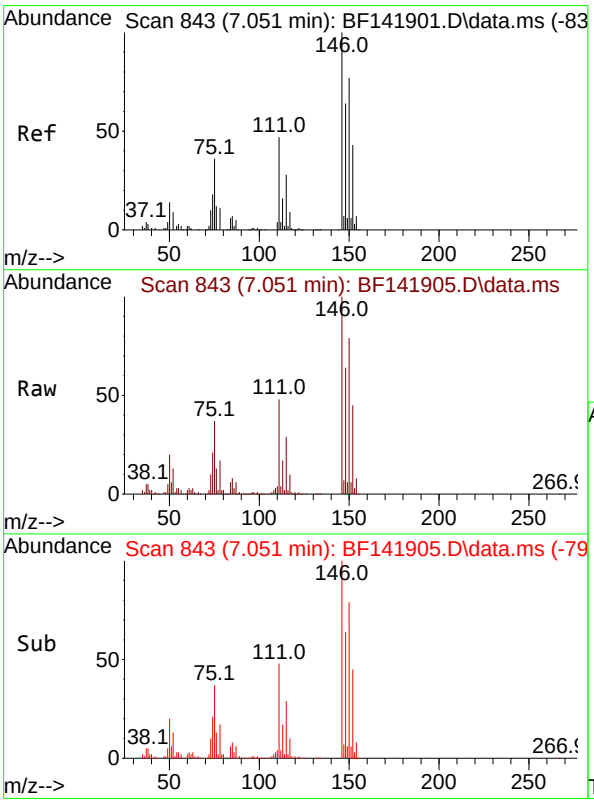
#13
1,4-Dichlorobenzene
Concen: 48.465 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 756875

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.6
111	44.6	35.7	53.5

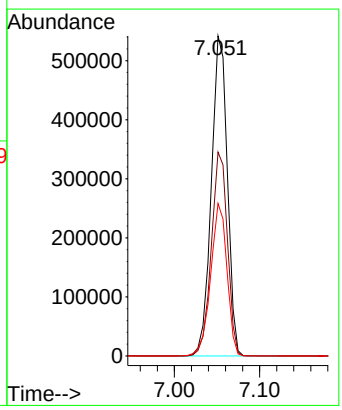


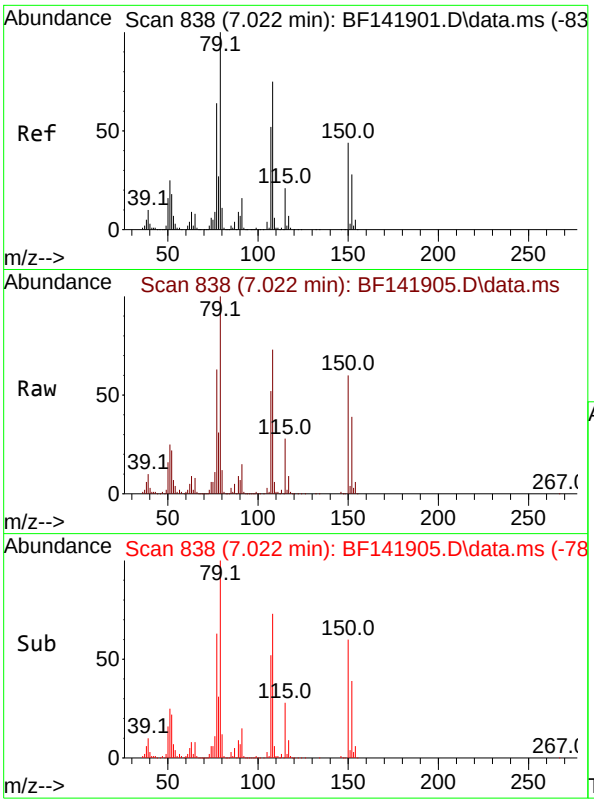


#14
1,2-Dichlorobenzene
Concen: 48.049 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:146 Resp: 706635

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.8	76.2
111	47.6	38.0	57.0



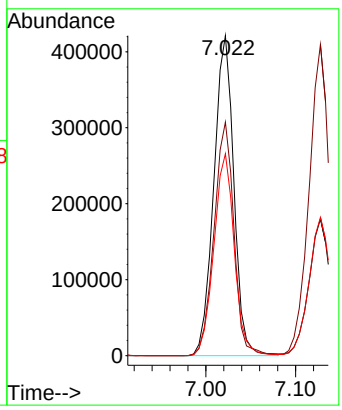


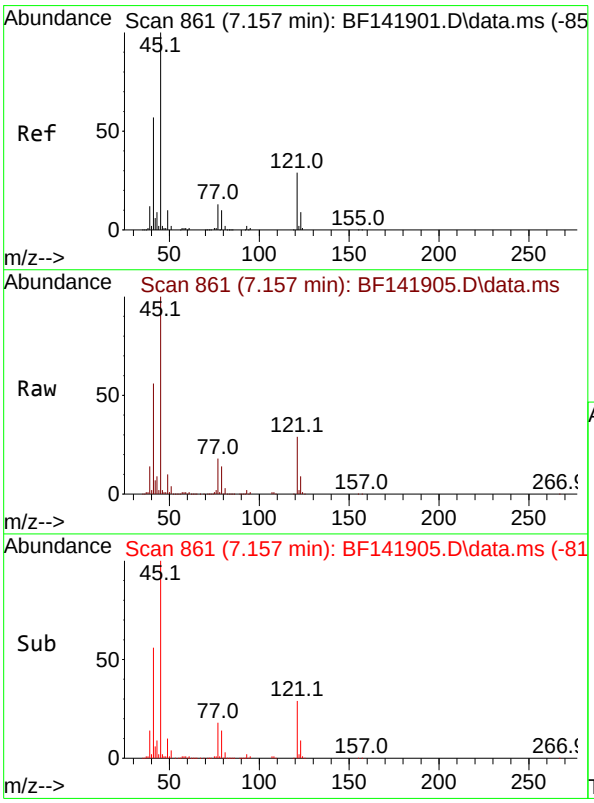
#15
Benzyl Alcohol
Concen: 49.113 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 652454

Ion	Ratio	Lower	Upper
79	100		
108	73.0	59.7	89.5
77	63.1	51.0	76.6

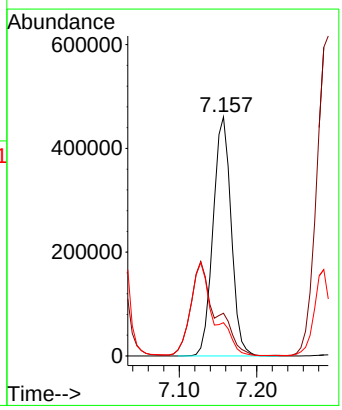


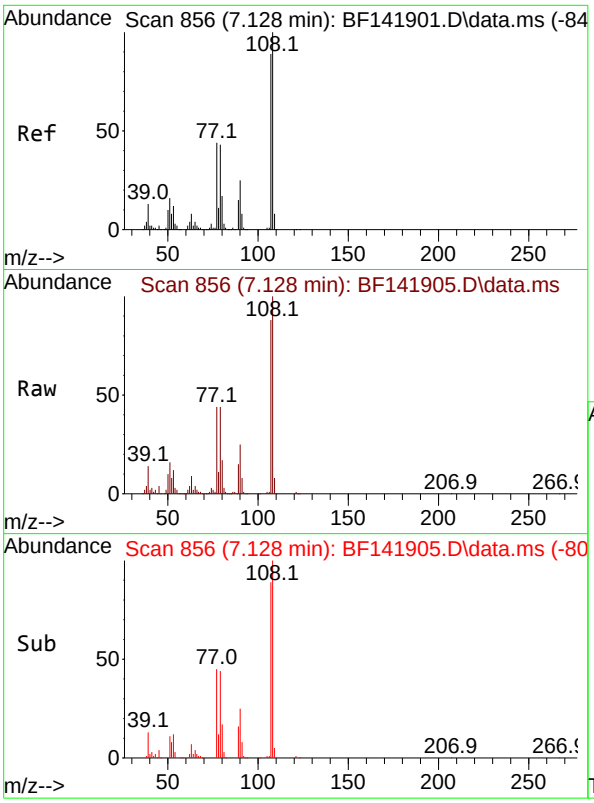


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.687 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 45 Resp: 745710

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.8
79	14.0	0.0	34.2



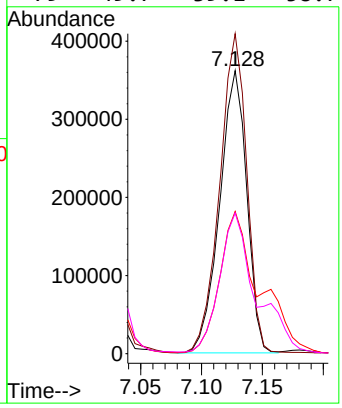


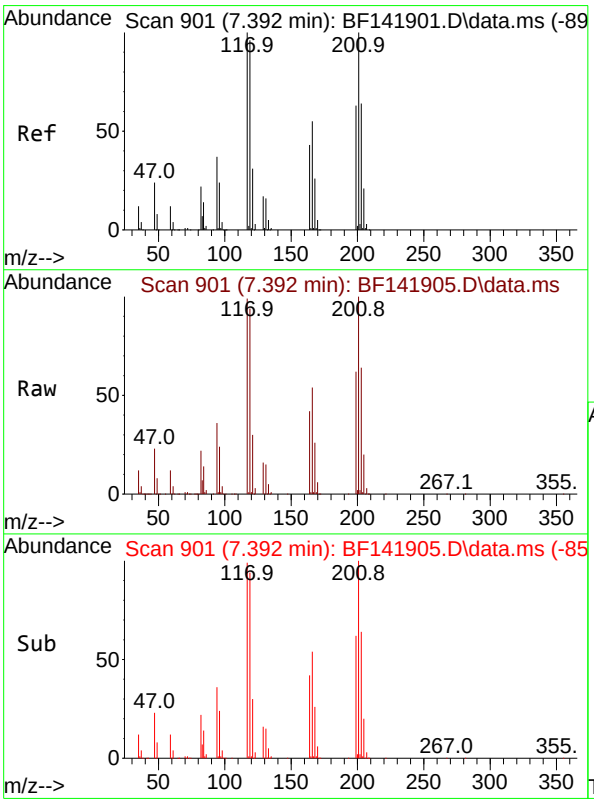
#17
2-Methylphenol
Concen: 49.153 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 557981

Ion	Ratio	Lower	Upper
107	100		
108	113.1	90.2	135.2
77	50.3	39.6	59.4
79	49.7	39.1	58.7

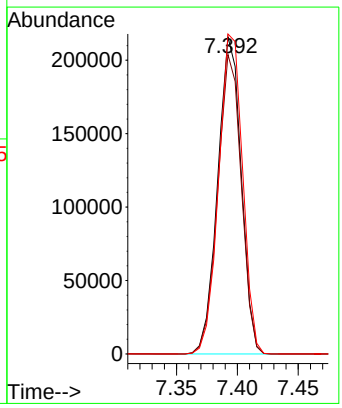


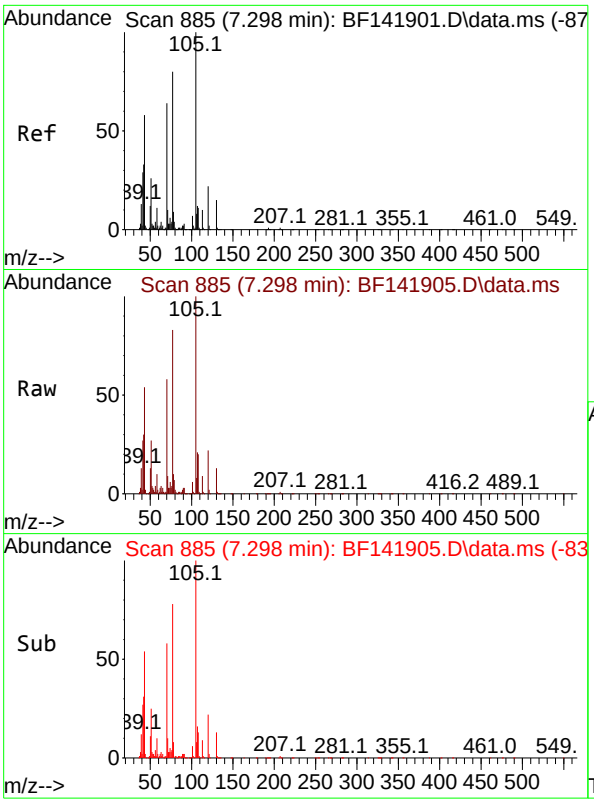


#18
Hexachloroethane
Concen: 49.551 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:117 Resp: 290127

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.9	115.3
201	100.9	79.9	119.9



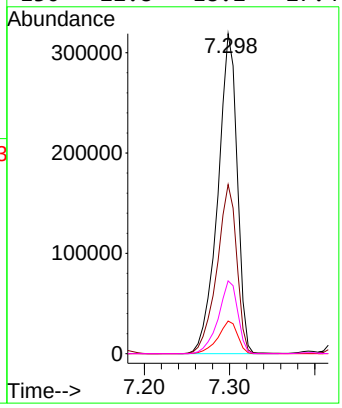


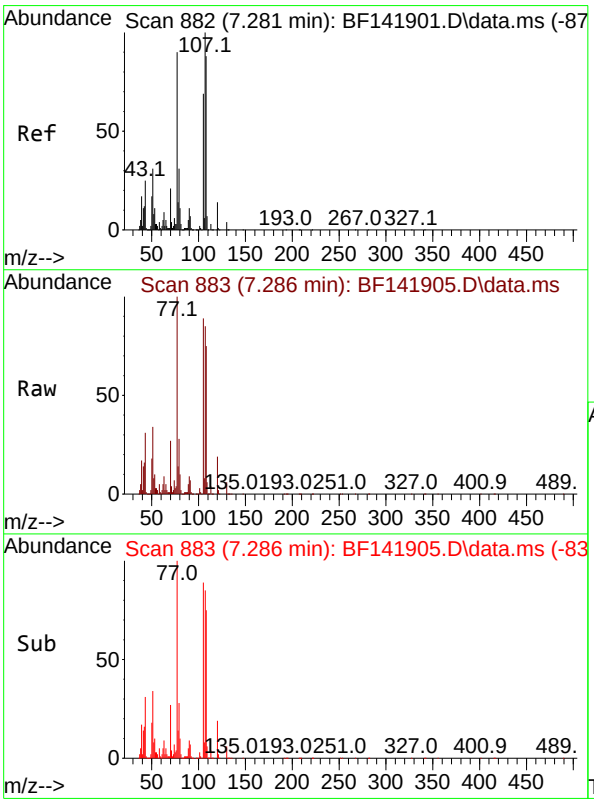
#19
n-Nitroso-di-n-propylamine
Concen: 47.887 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 505166

Ion	Ratio	Lower	Upper
70	100		
42	52.8	41.4	62.0
101	10.2	8.2	12.2
130	22.8	18.2	27.4

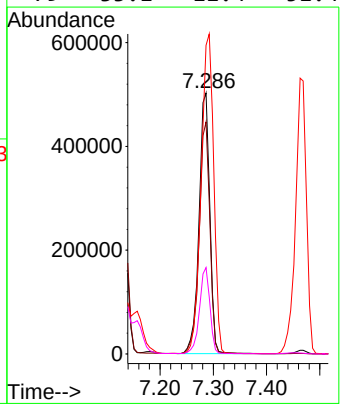


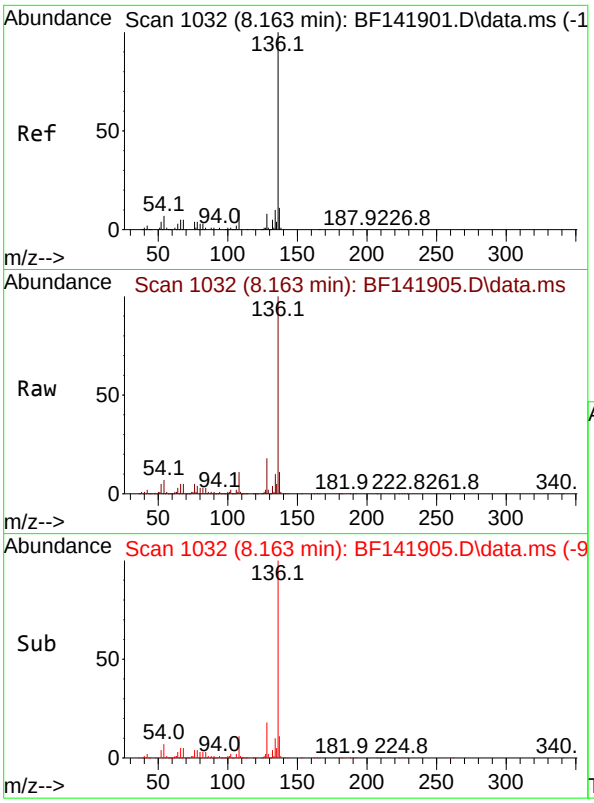


#20
3+4-Methylphenols
Concen: 48.388 ng
RT: 7.286 min Scan# 883
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:107 Resp: 704563

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.4	108.4
77	118.3	69.7	109.7#
79	33.1	11.4	51.4



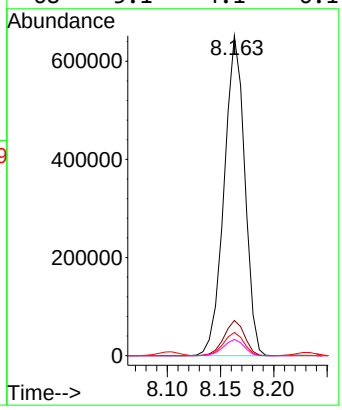


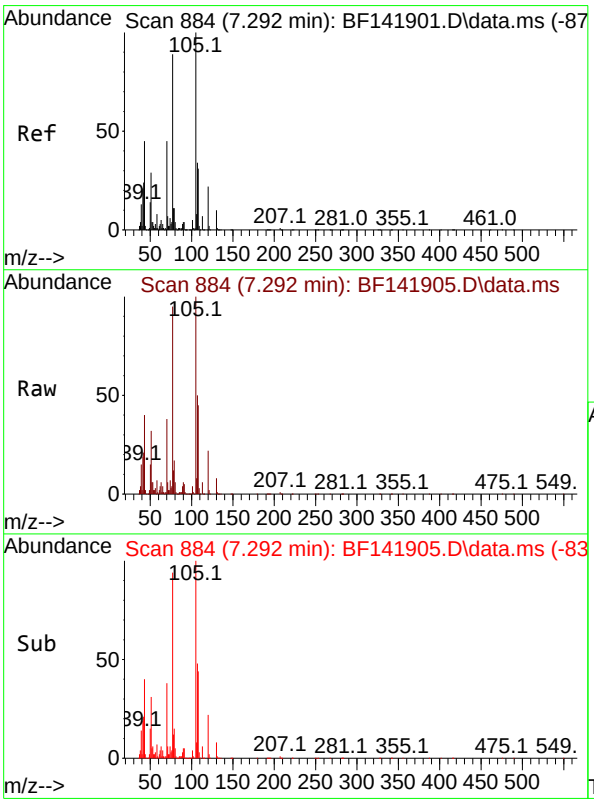
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 877329

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.2	5.8	8.8
68	5.1	4.1	6.1

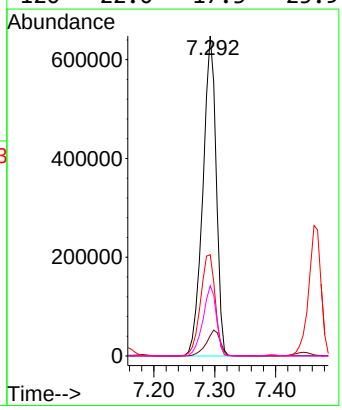


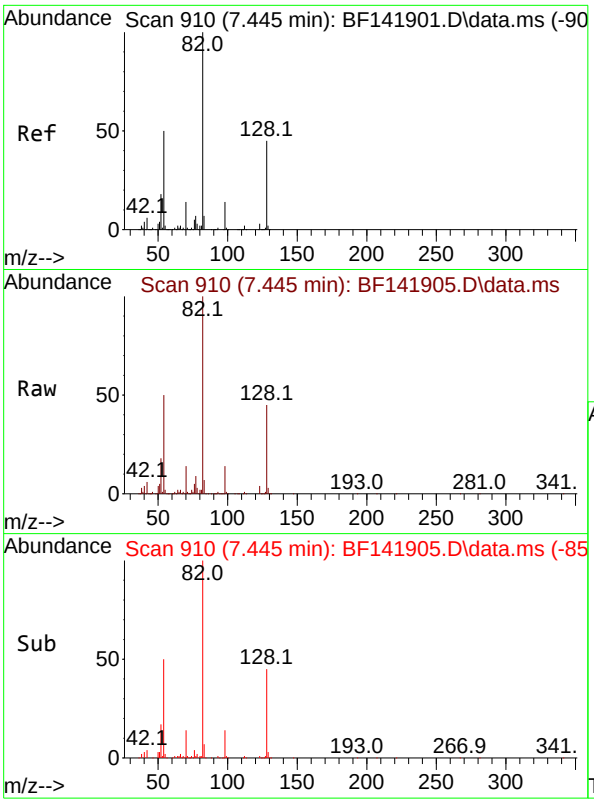


#22
Acetophenone
Concen: 46.924 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:105 Resp: 987577

Ion	Ratio	Lower	Upper
105	100		
71	6.3	5.8	8.8
51	31.7	23.4	35.0
120	22.0	17.3	25.9



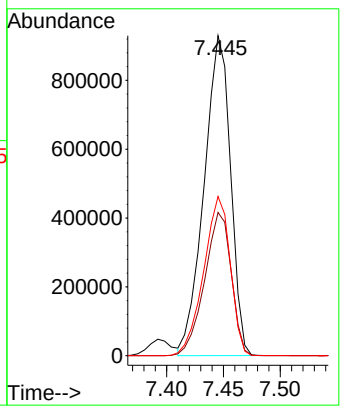


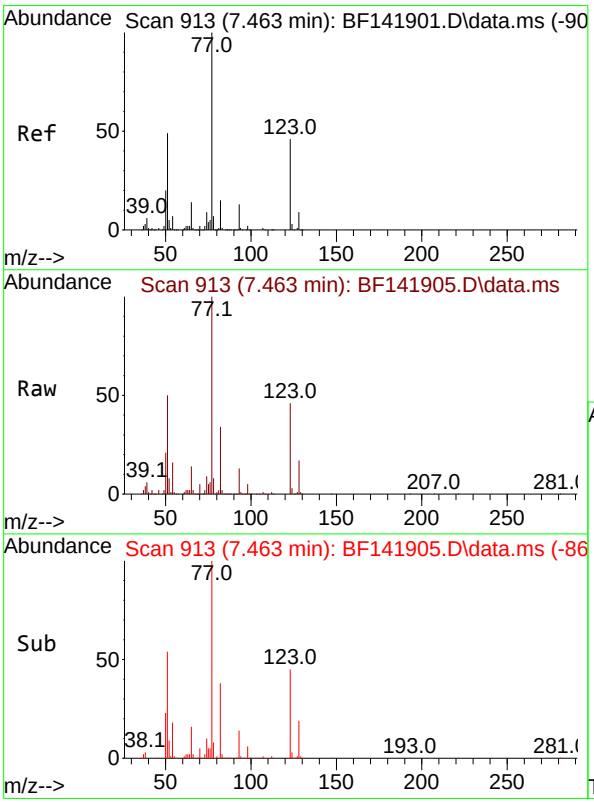
#23
Nitrobenzene-d5
Concen: 96.304 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1507471

Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.0	54.0
54	49.8	39.6	59.4

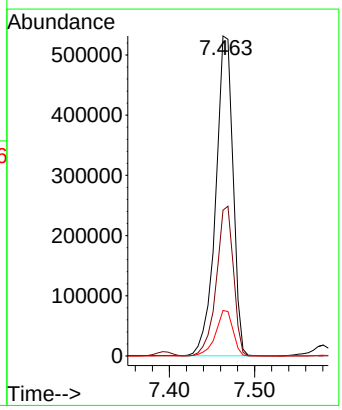


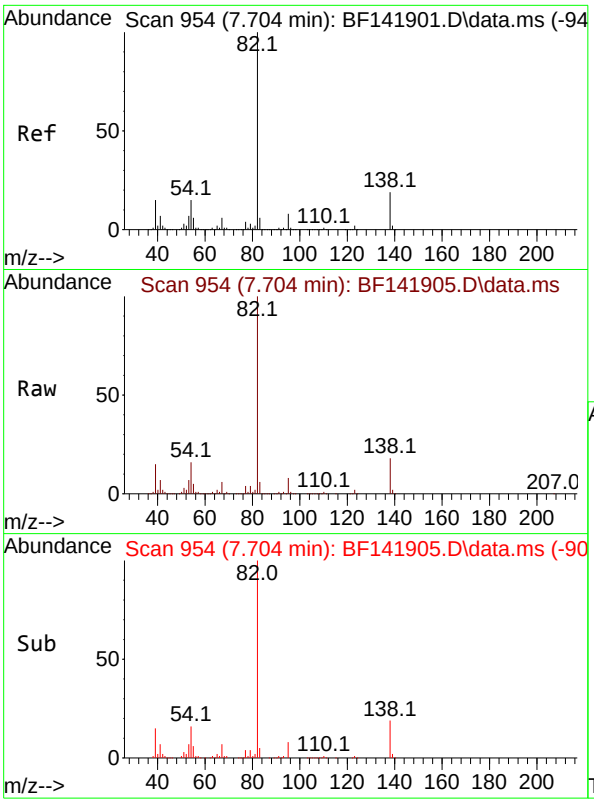


#24
Nitrobenzene
Concen: 48.514 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 77 Resp: 752936

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.0	55.4
65	14.2	11.3	16.9



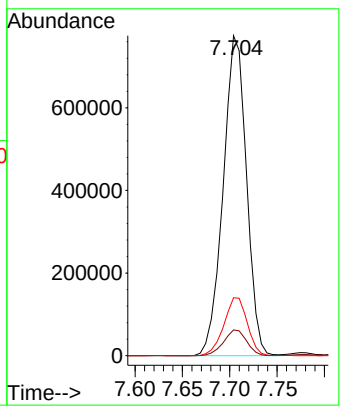


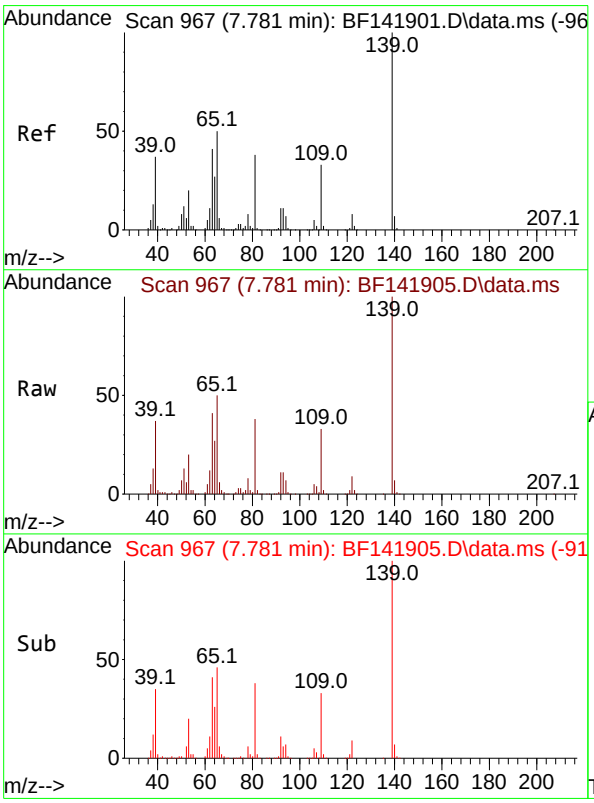
#25
Isophorone
Concen: 48.027 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1327254

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	18.1	14.9	22.3

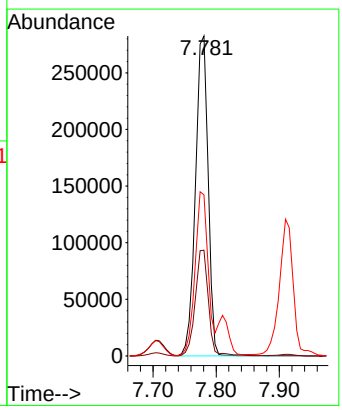


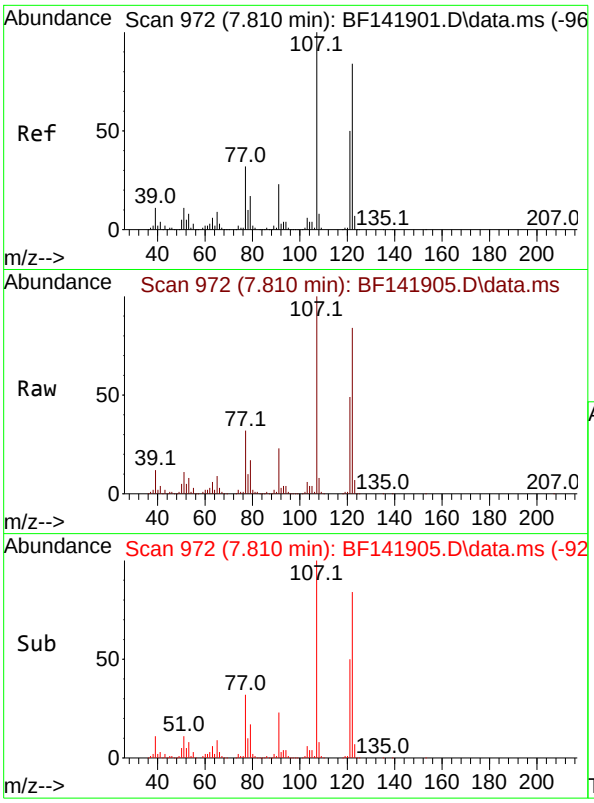


#26
2-Nitrophenol
Concen: 51.644 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:139 Resp: 392772

Ion	Ratio	Lower	Upper
139	100		
109	33.1	26.5	39.7
65	50.4	40.3	60.5



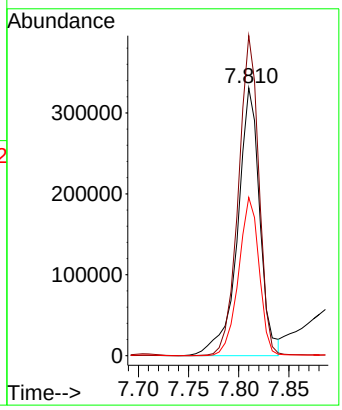


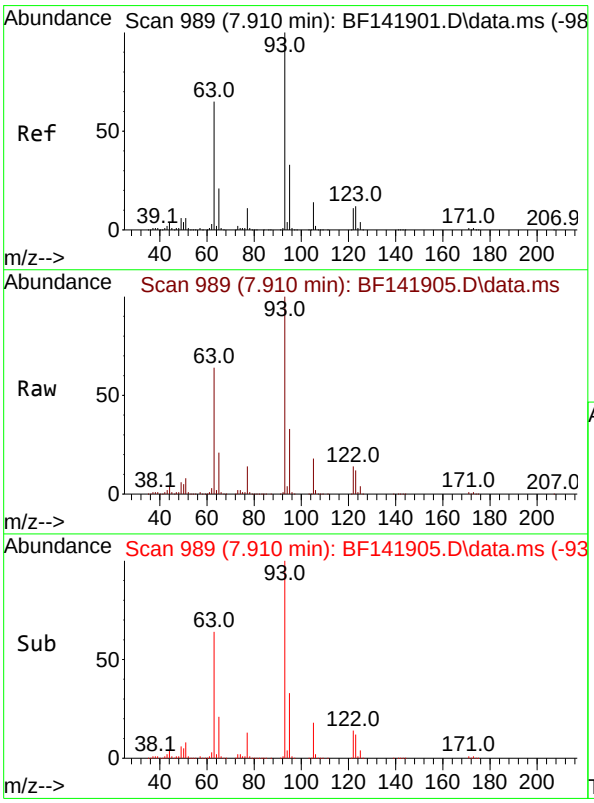
#27
2,4-Dimethylphenol
Concen: 48.725 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 510395

Ion	Ratio	Lower	Upper
122	100		
107	119.4	94.8	142.2
121	59.1	47.8	71.6

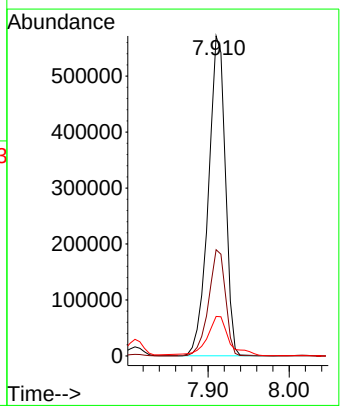


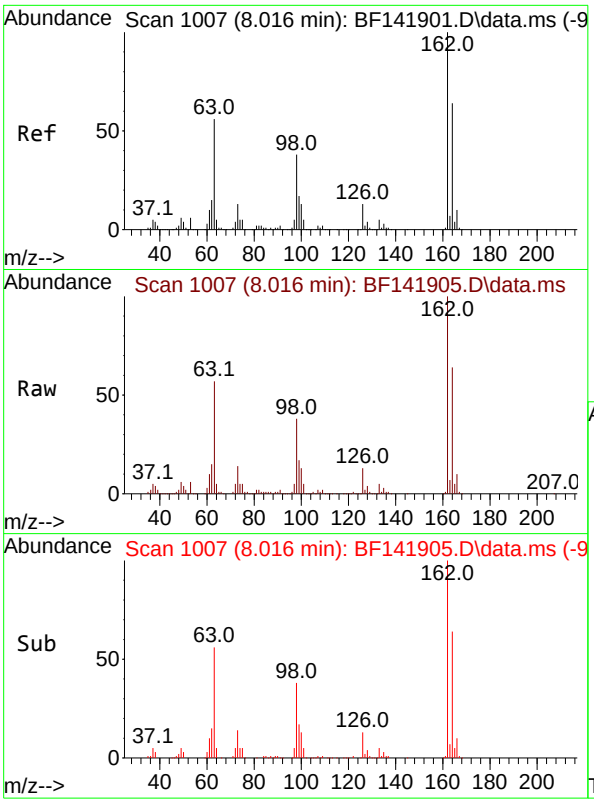


#28
bis(2-Chloroethoxy)methane
Concen: 47.757 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 93 Resp: 826776

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.6	40.0
123	12.4	10.2	15.4



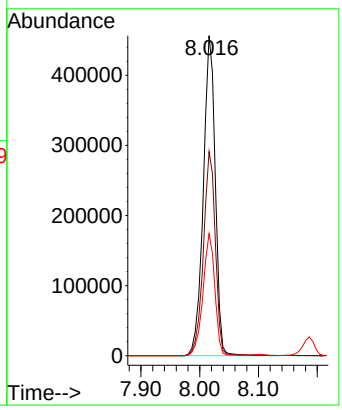


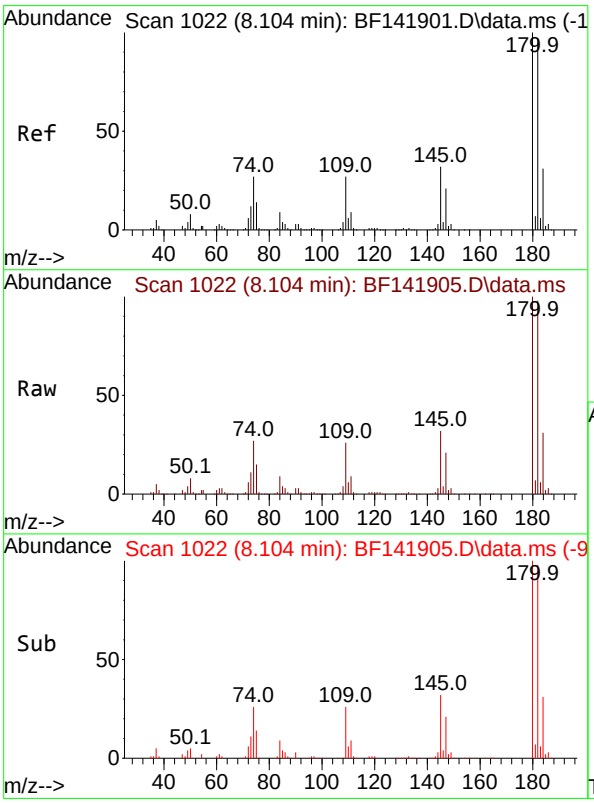
#29
2,4-Dichlorophenol
Concen: 49.793 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 647319

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.8	83.8
98	38.1	18.1	58.1

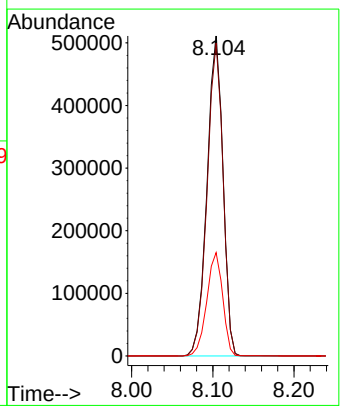


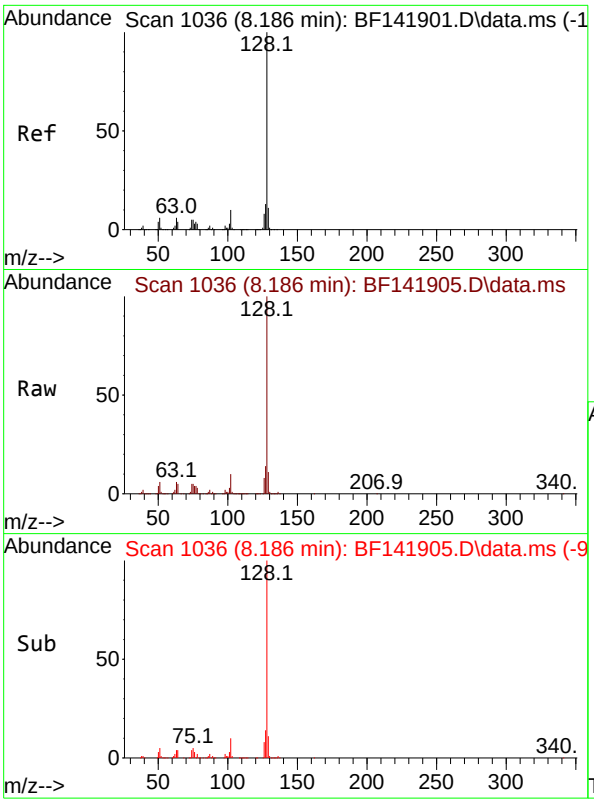


#30
1,2,4-Trichlorobenzene
Concen: 48.617 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:180 Resp: 697274

Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.5	116.3
145	32.3	25.8	38.6



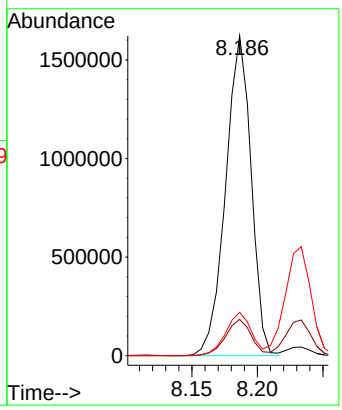


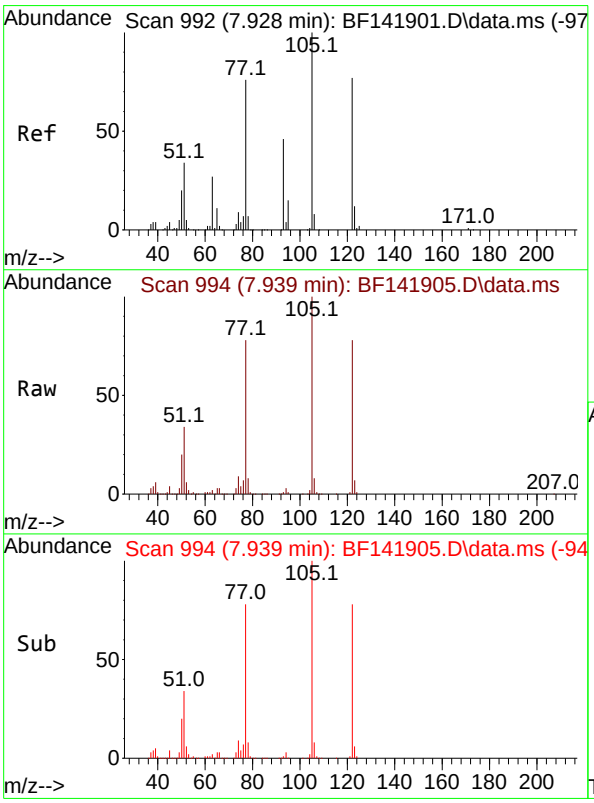
#31
Naphthalene
Concen: 48.863 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 2196111

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.5	10.8	16.2

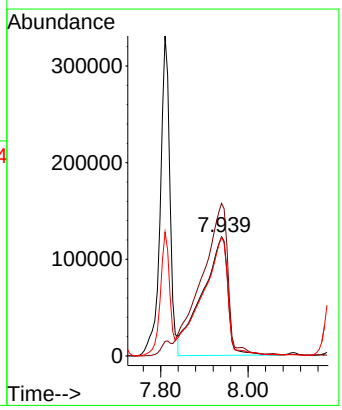


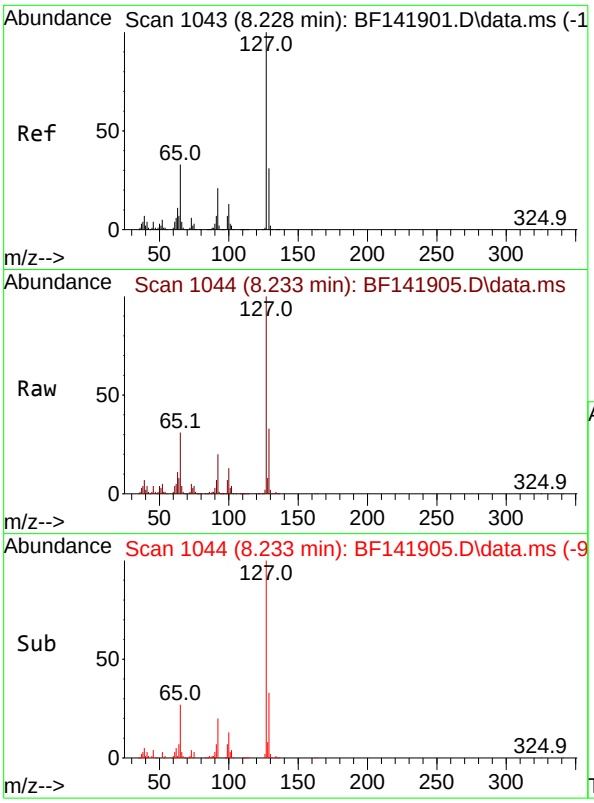


#32
Benzoic acid
Concen: 54.676 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.011 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:122 Resp: 500593

Ion	Ratio	Lower	Upper
122	100		
105	128.0	107.9	147.9
77	99.6	79.0	119.0



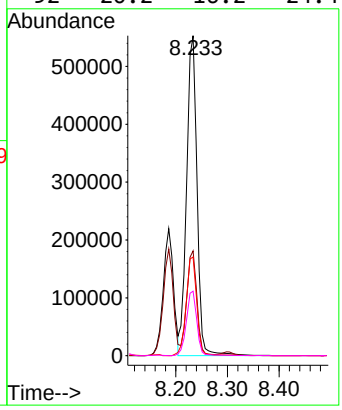


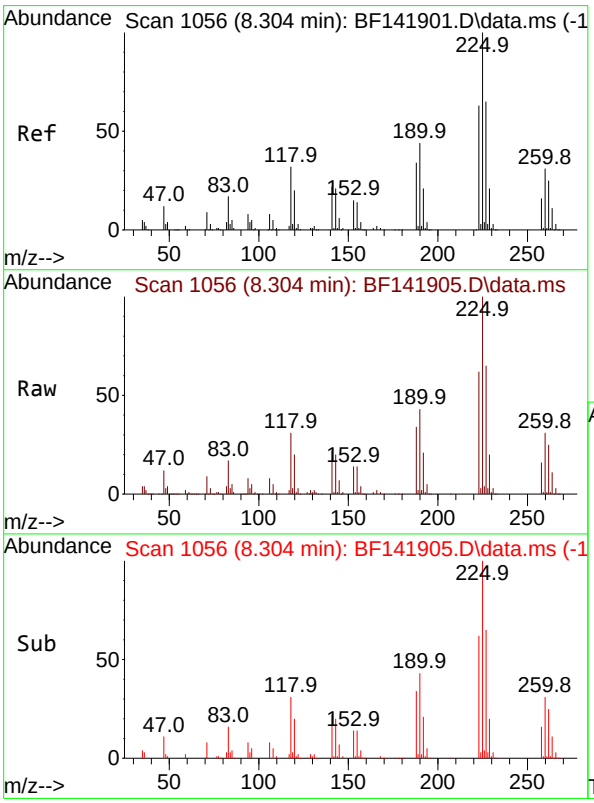
#33
4-Chloroaniline
Concen: 48.909 ng
RT: 8.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 775699

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	30.9	25.4	38.2
92	20.2	16.2	24.4

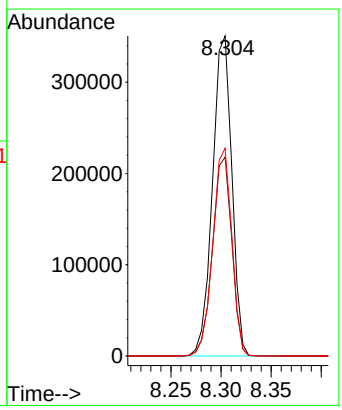


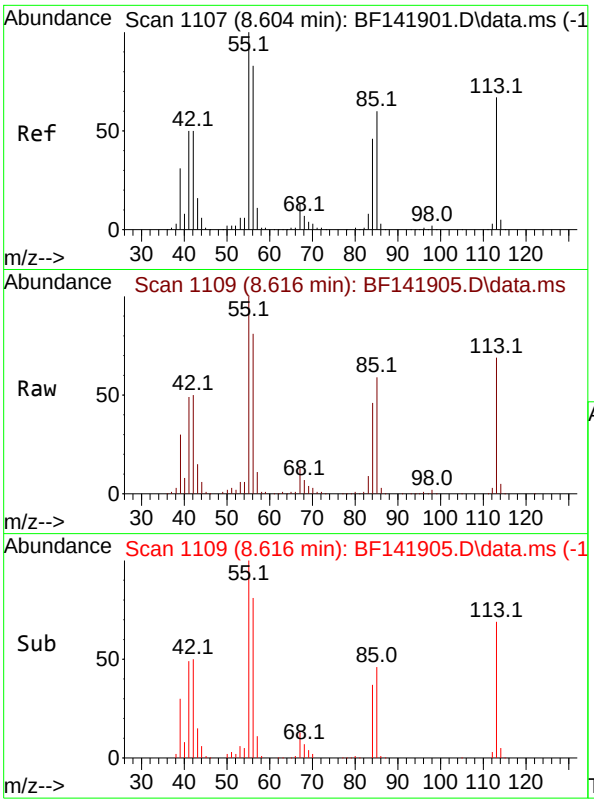


#34
Hexachlorobutadiene
Concen: 50.376 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:225 Resp: 469787

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.6	75.8
227	64.9	52.2	78.2



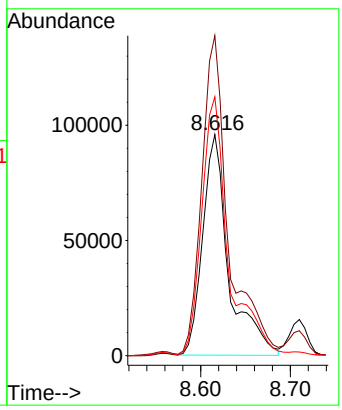


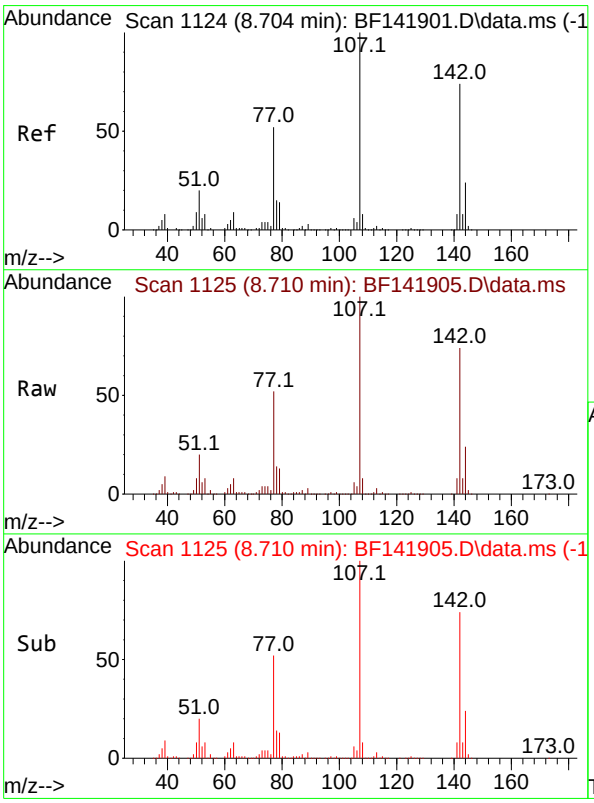
#35
Caprolactam
Concen: 48.891 ng
RT: 8.616 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 193267

Ion	Ratio	Lower	Upper
113	100		
55	144.7	129.6	169.6
56	117.1	104.0	144.0

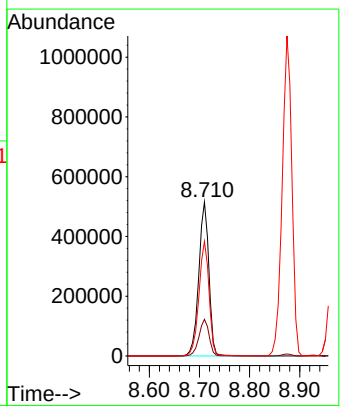


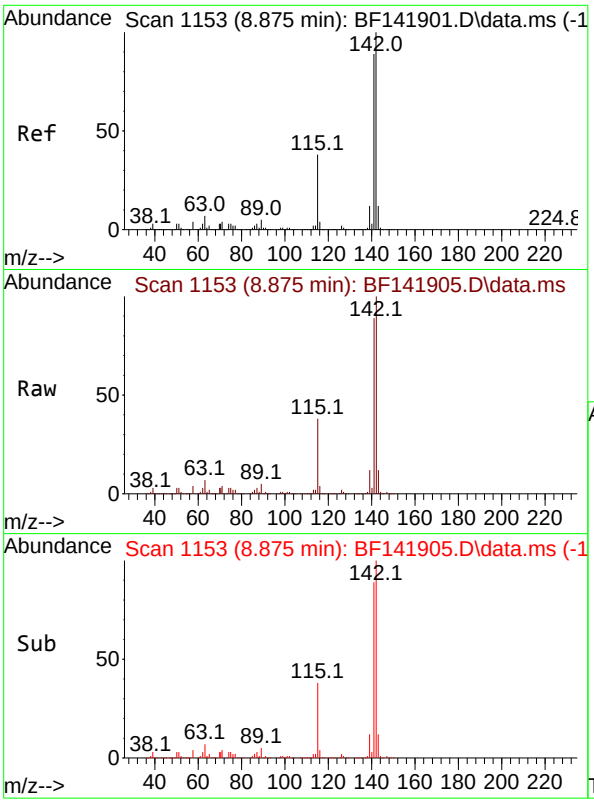


#36
4-Chloro-3-methylphenol
Concen: 49.925 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:107 Resp: 721800

Ion	Ratio	Lower	Upper
107	100		
144	23.8	19.0	28.6
142	74.4	59.2	88.8



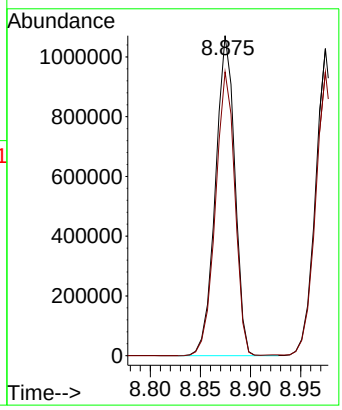


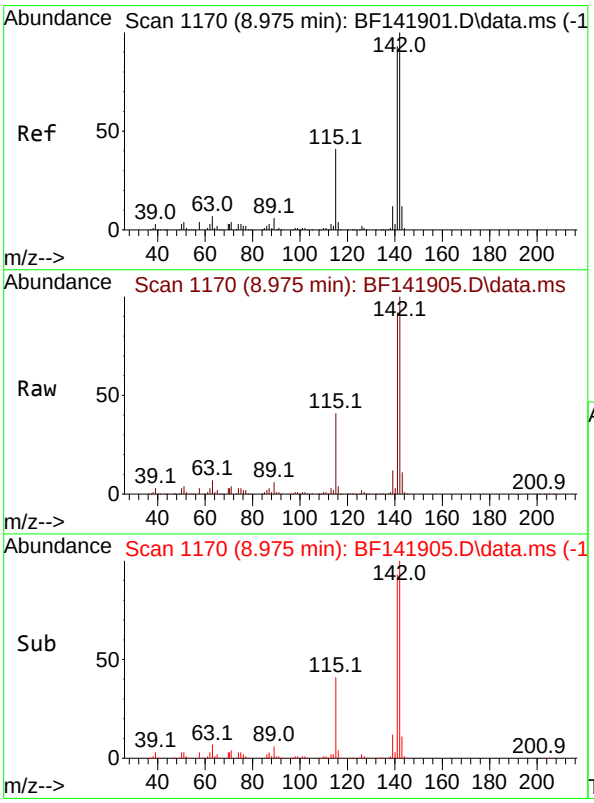
#37
2-Methylnaphthalene
Concen: 47.638 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1436485

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.2	106.8

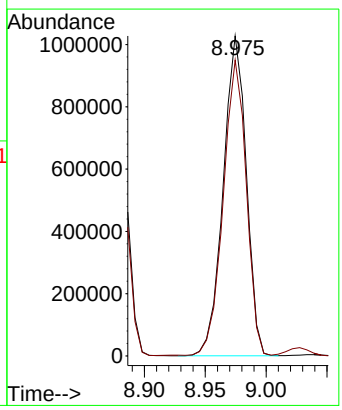


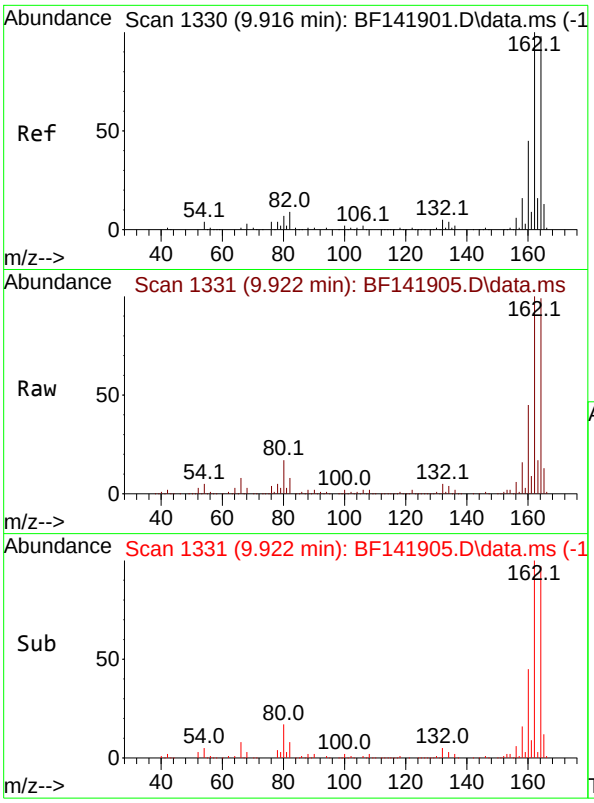


#38
1-Methylnaphthalene
Concen: 46.482 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:142 Resp: 1357356

Ion	Ratio	Lower	Upper
142	100		
141	92.4	74.2	111.4



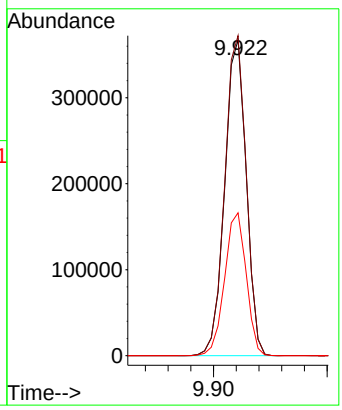


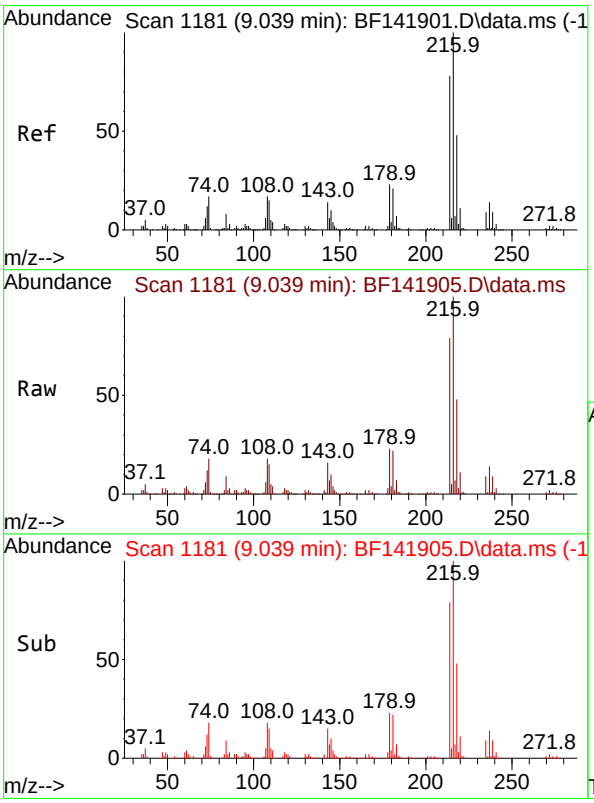
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 481971

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.8	122.6
160	45.2	36.7	55.1

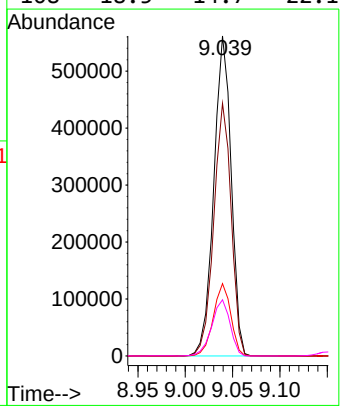


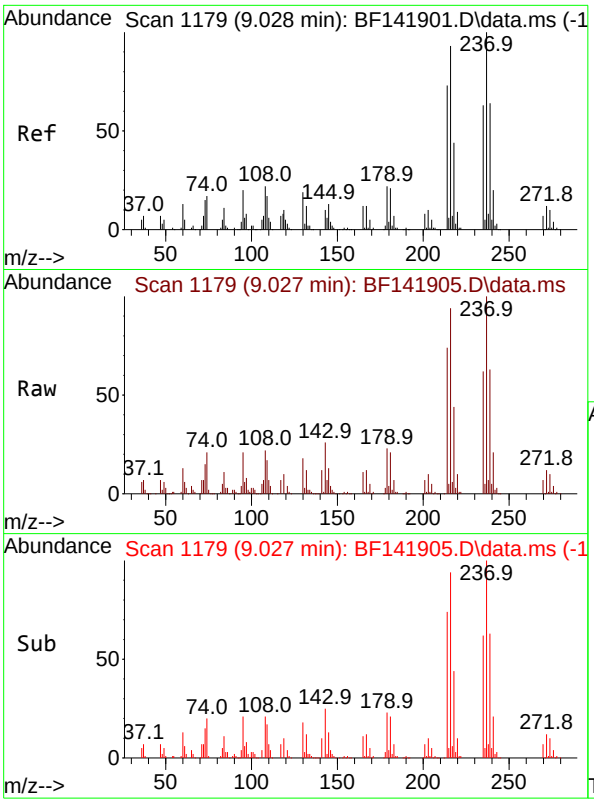


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.955 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:216 Resp: 719431

Ion	Ratio	Lower	Upper
216	100		
214	78.9	61.9	92.9
179	22.7	18.1	27.1
108	18.5	14.7	22.1



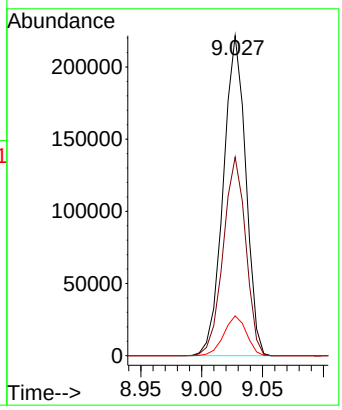


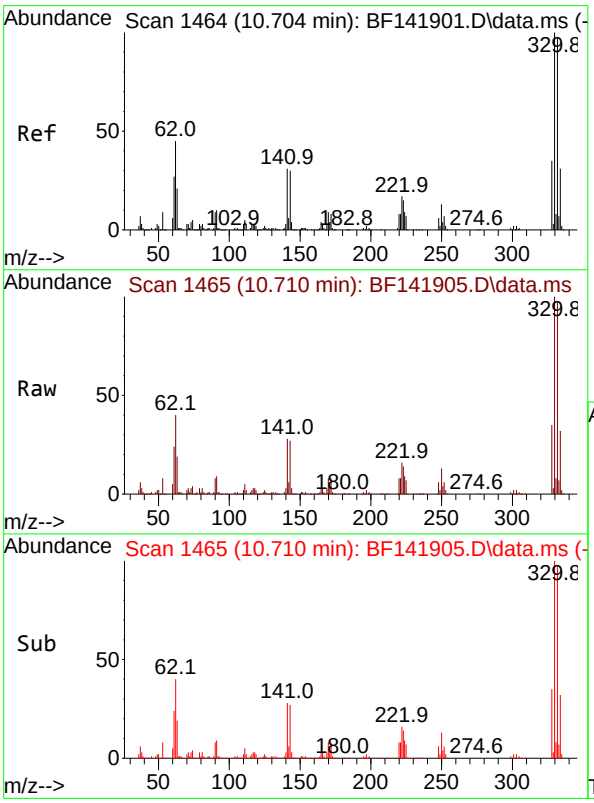
#41
Hexachlorocyclopentadiene
Concen: 49.142 ng
RT: 9.027 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 284968

Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.1	83.1
272	12.4	0.0	32.0

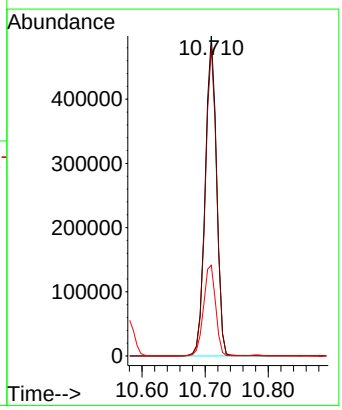


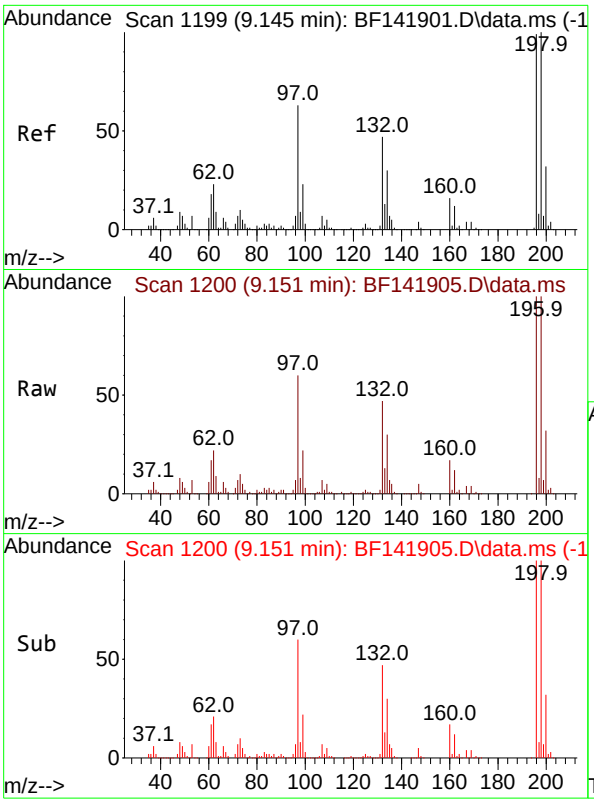


#42
2,4,6-Tribromophenol
Concen: 102.342 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:330 Resp: 625035

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.6	116.4
141	30.1	24.7	37.1



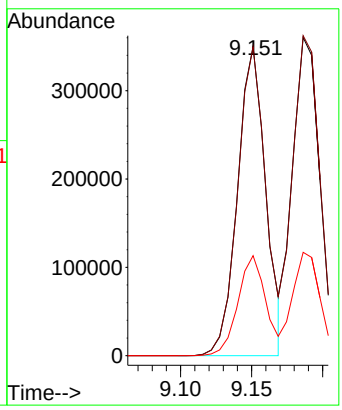


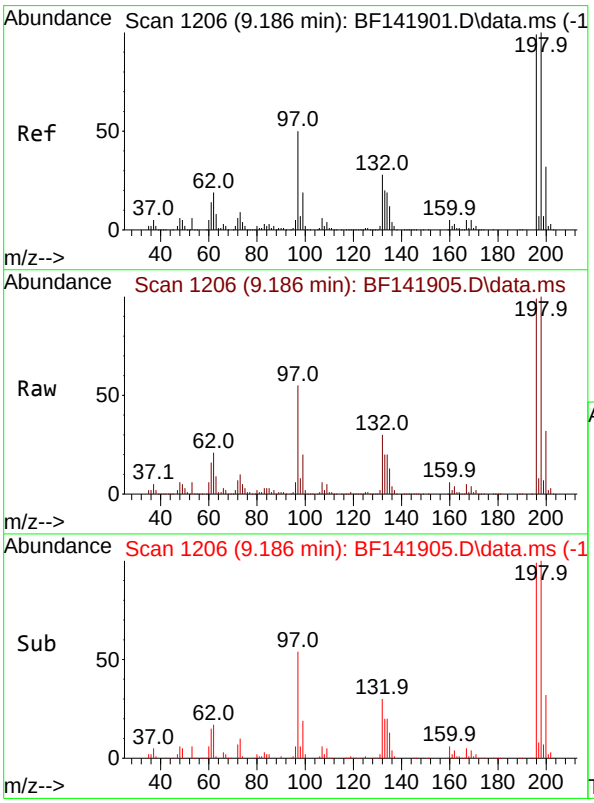
#43
2,4,6-Trichlorophenol
Concen: 50.291 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 481782

Ion	Ratio	Lower	Upper
196	100		
198	99.9	80.6	121.0
200	32.3	25.8	38.6

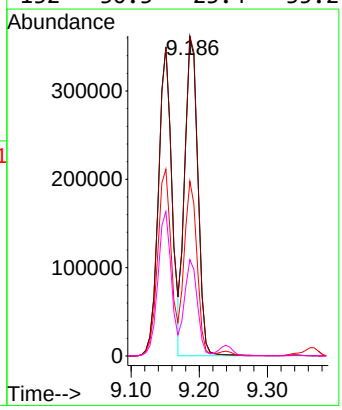


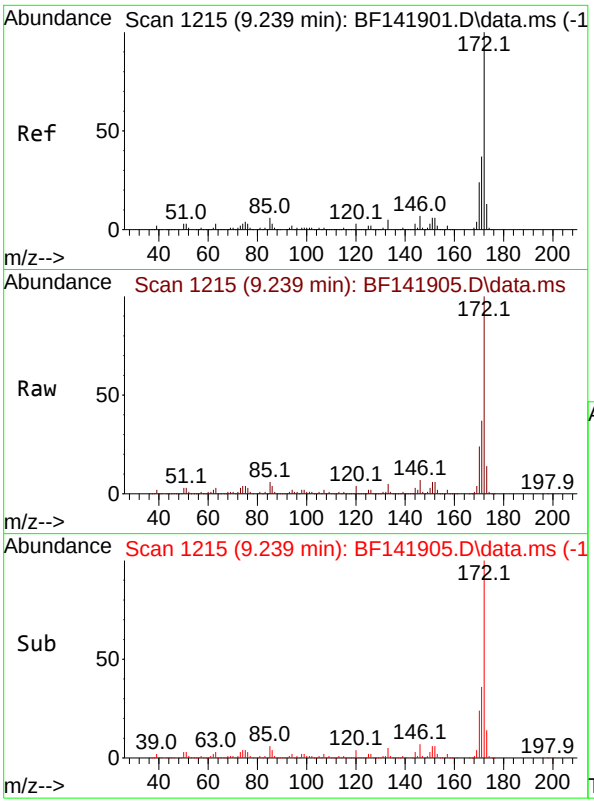


#44
2,4,5-Trichlorophenol
Concen: 49.580 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:196 Resp: 482570

Ion	Ratio	Lower	Upper
196	100		
198	100.5	80.7	121.1
97	54.9	42.1	63.1
132	30.3	23.4	35.2



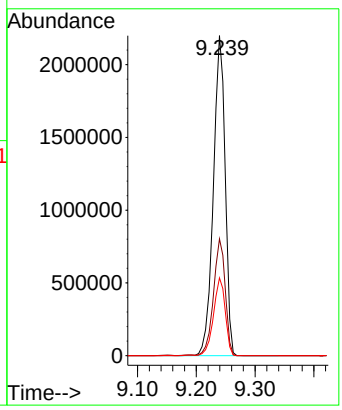


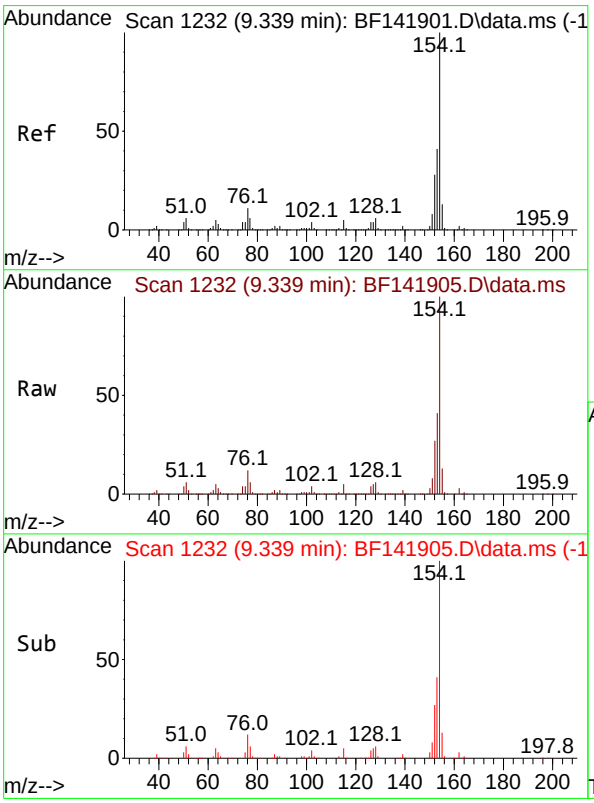
#45
2-Fluorobiphenyl
Concen: 96.836 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 3064989

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.3	43.9
170	24.3	19.4	29.0

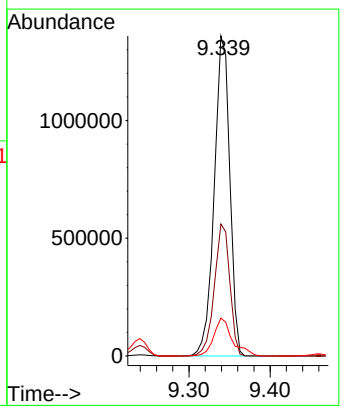


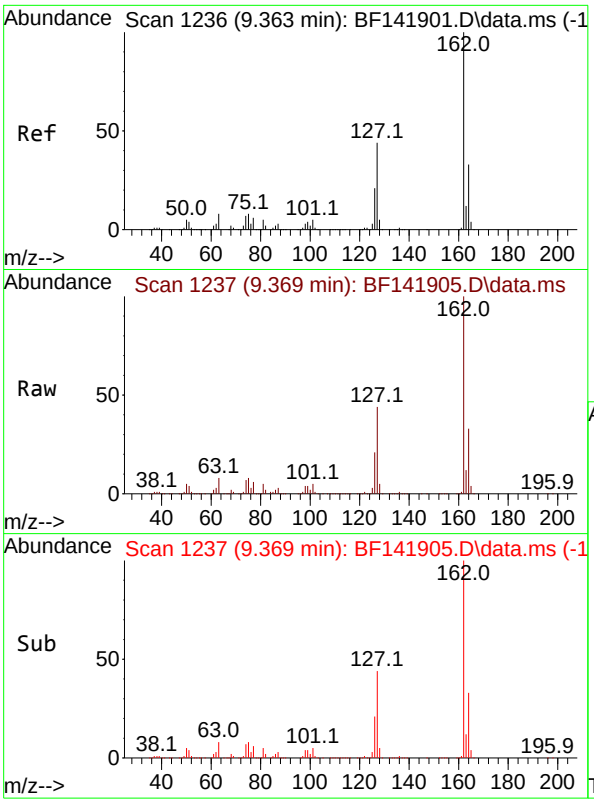


#46
1,1'-Biphenyl
Concen: 49.526 ng
RT: 9.339 min Scan# 1232
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:154 Resp: 1809746

Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.1	61.1
76	11.8	0.0	31.3



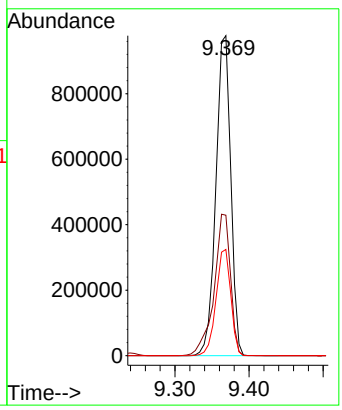


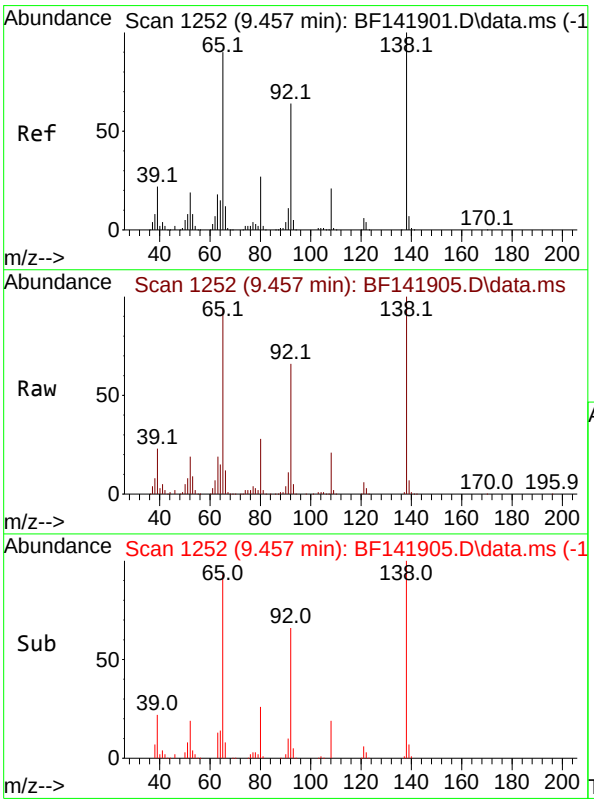
#47
2-Chloronaphthalene
Concen: 49.960 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1360528

Ion	Ratio	Lower	Upper
162	100		
127	43.9	35.5	53.3
164	33.2	26.6	40.0

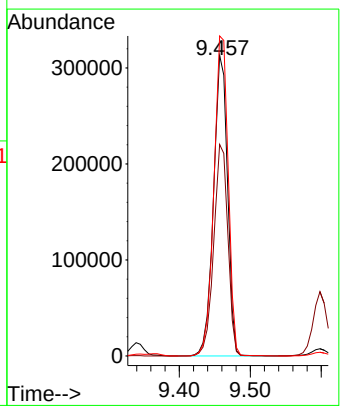


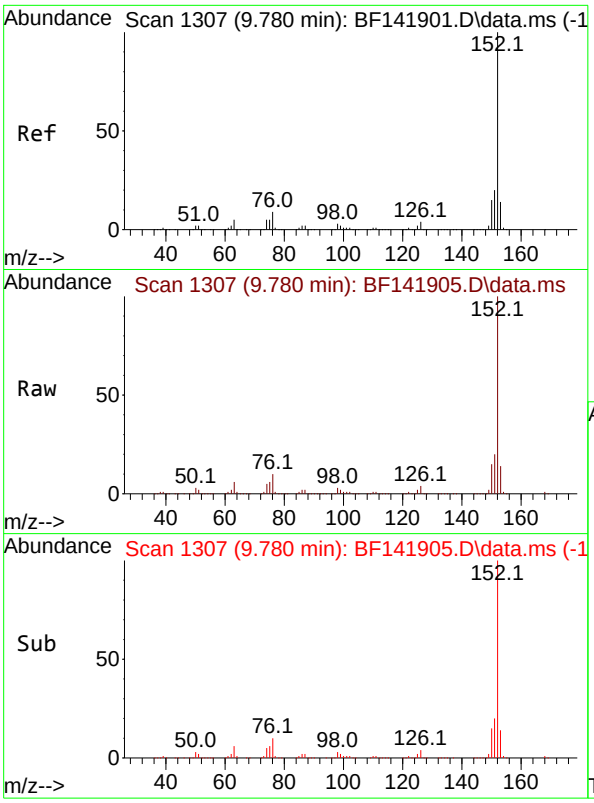


#48
2-Nitroaniline
Concen: 54.854 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 65 Resp: 429111

Ion	Ratio	Lower	Upper
65	100		
92	70.4	56.6	84.8
138	106.4	88.6	133.0



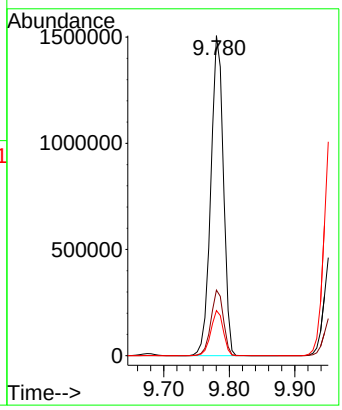


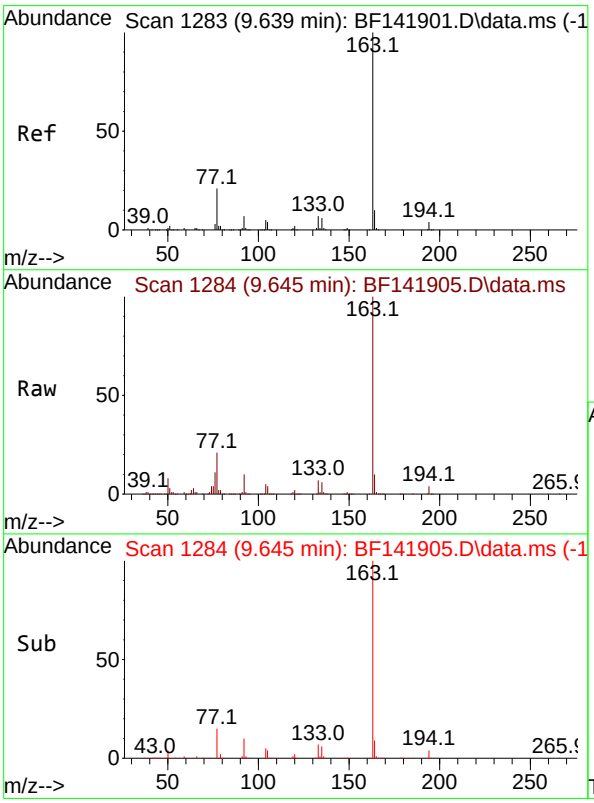
#49
Acenaphthylene
Concen: 49.674 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 2005538

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	14.1	11.1	16.7

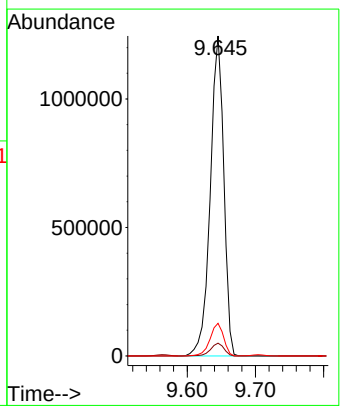


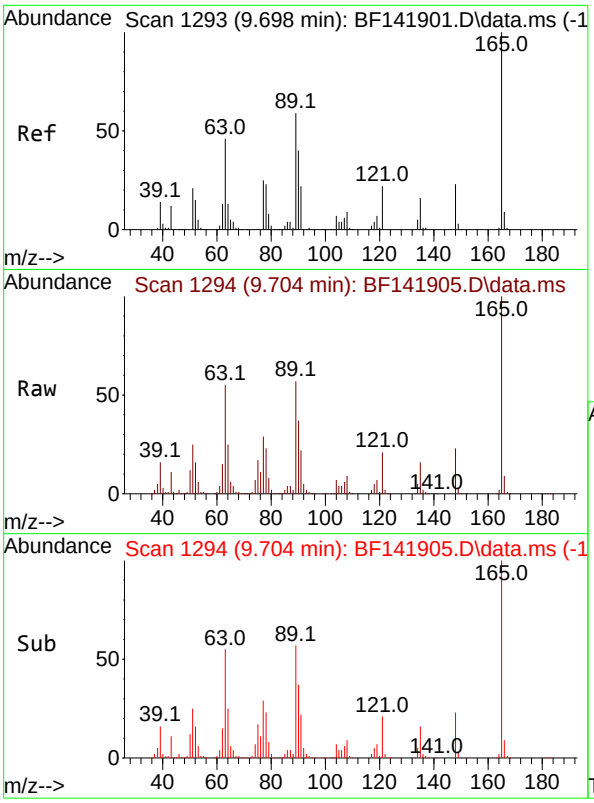


#50
Dimethylphthalate
Concen: 51.273 ng
RT: 9.645 min Scan# 1284
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:163 Resp: 1716995

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.2	8.2	12.4



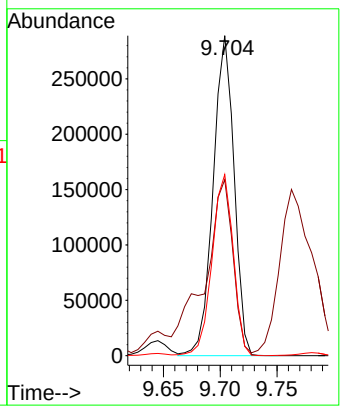


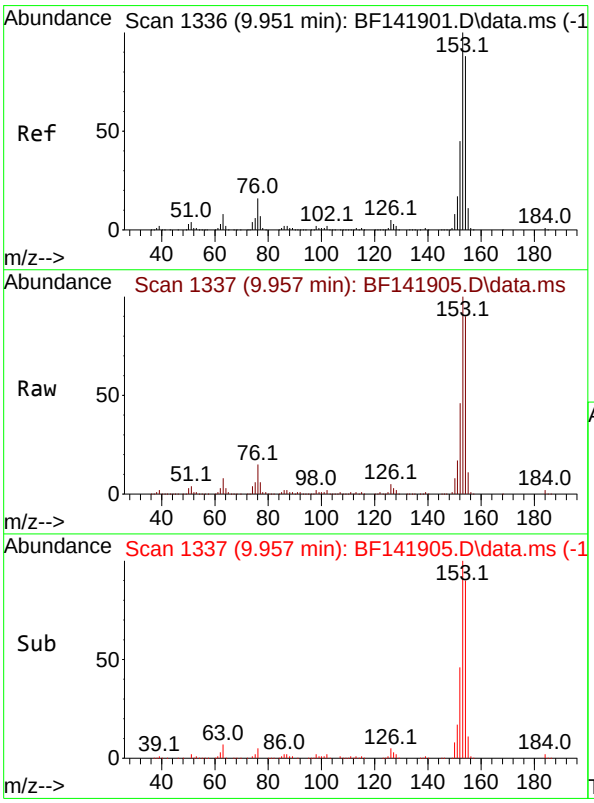
#51
2,6-Dinitrotoluene
Concen: 53.184 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 370368

Ion	Ratio	Lower	Upper
165	100		
63	55.0	47.0	70.4
89	56.6	47.4	71.2

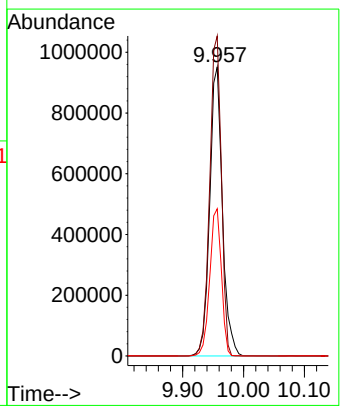


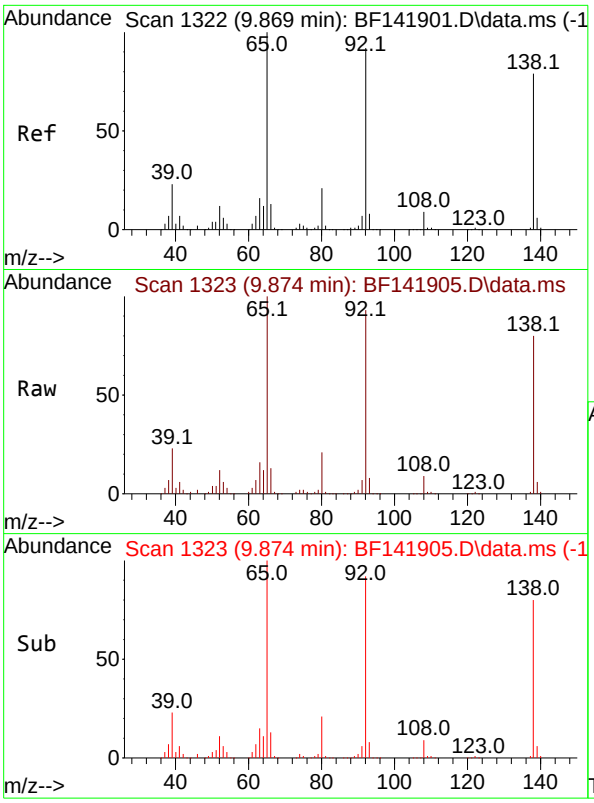


#52
Acenaphthene
Concen: 48.333 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:154 Resp: 1377901

Ion	Ratio	Lower	Upper
154	100		
153	110.7	90.7	136.1
152	51.0	41.1	61.7



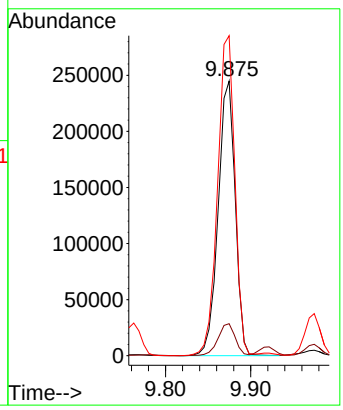


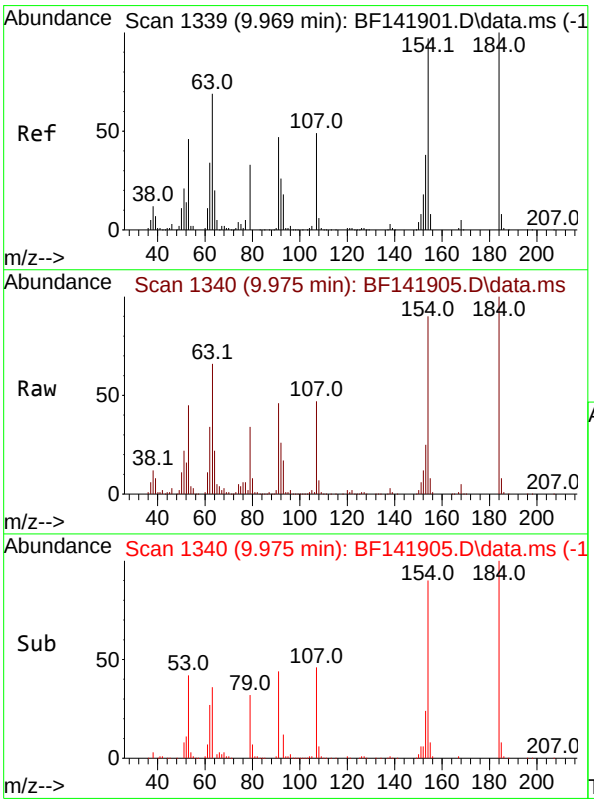
#53
3-Nitroaniline
Concen: 47.638 ng
RT: 9.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 340633

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.3	13.9
92	116.5	93.5	140.3

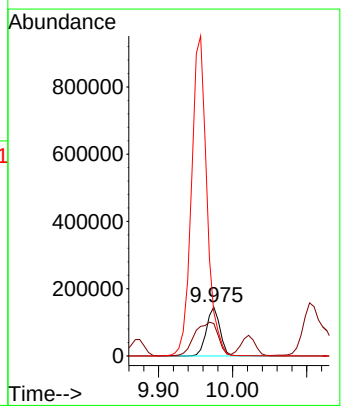


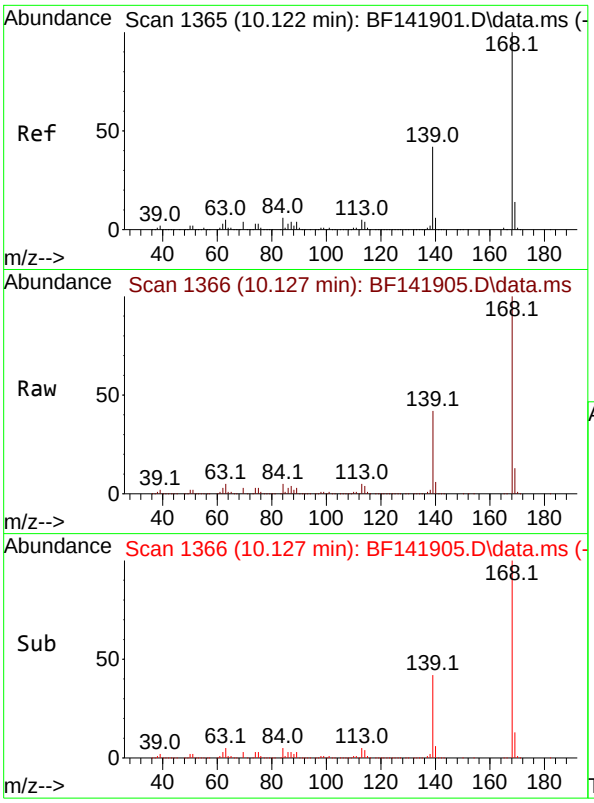


#54
2,4-Dinitrophenol
Concen: 49.104 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:184 Resp: 184410

Ion	Ratio	Lower	Upper
184	100		
63	66.3	60.2	90.4
154	90.1	132.9	199.3#



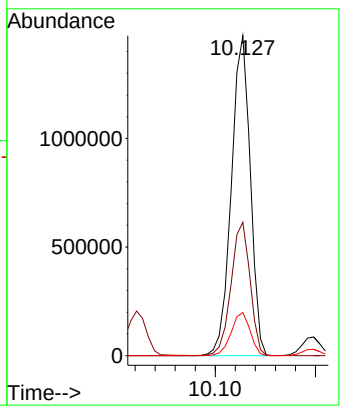


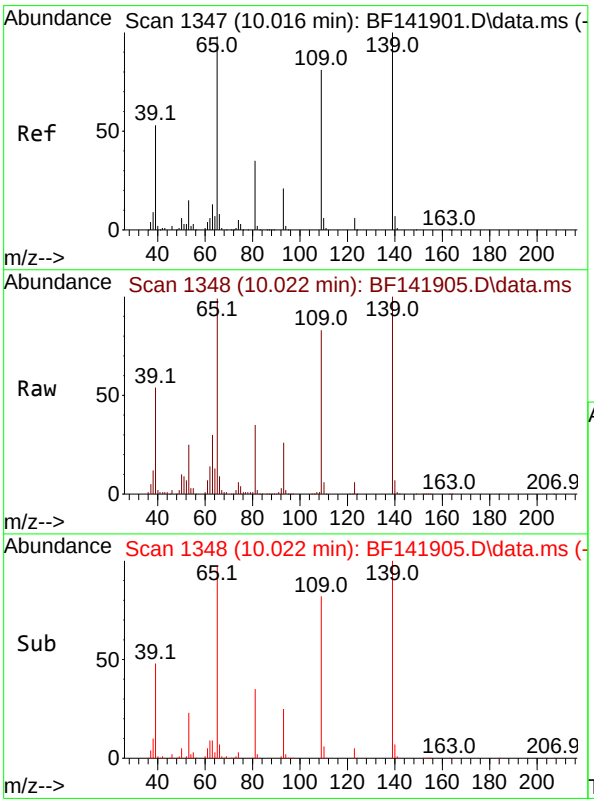
#55
Dibenzofuran
Concen: 47.647 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 1936780

Ion	Ratio	Lower	Upper
168	100		
139	41.7	33.9	50.9
169	13.5	11.0	16.4

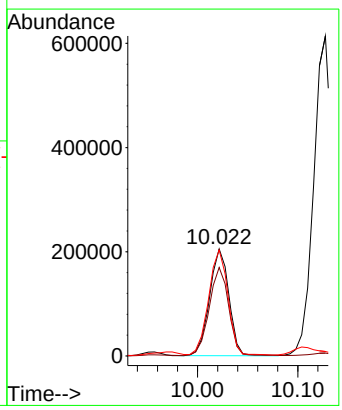


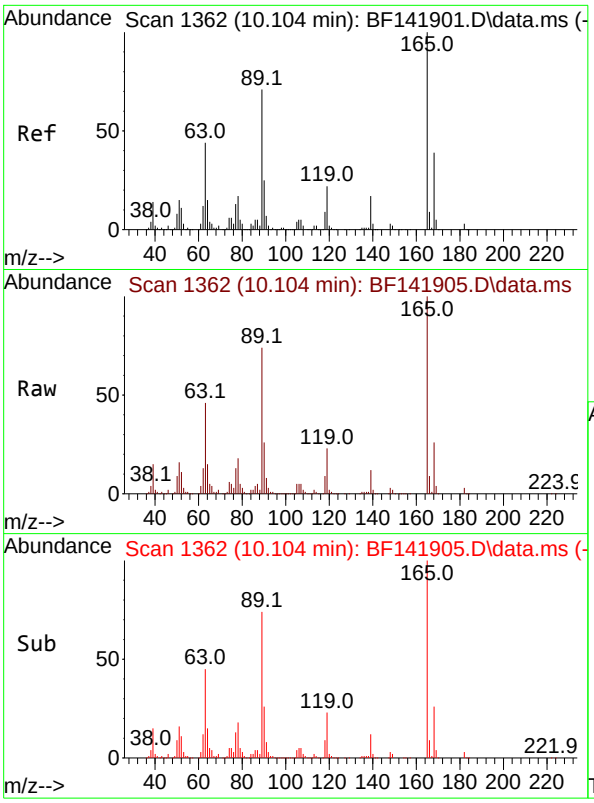


#56
4-Nitrophenol
Concen: 51.474 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:139 Resp: 276487

Ion	Ratio	Lower	Upper
139	100		
109	82.6	61.6	101.6
65	99.1	79.4	119.4



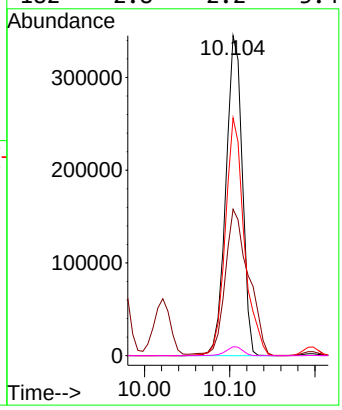


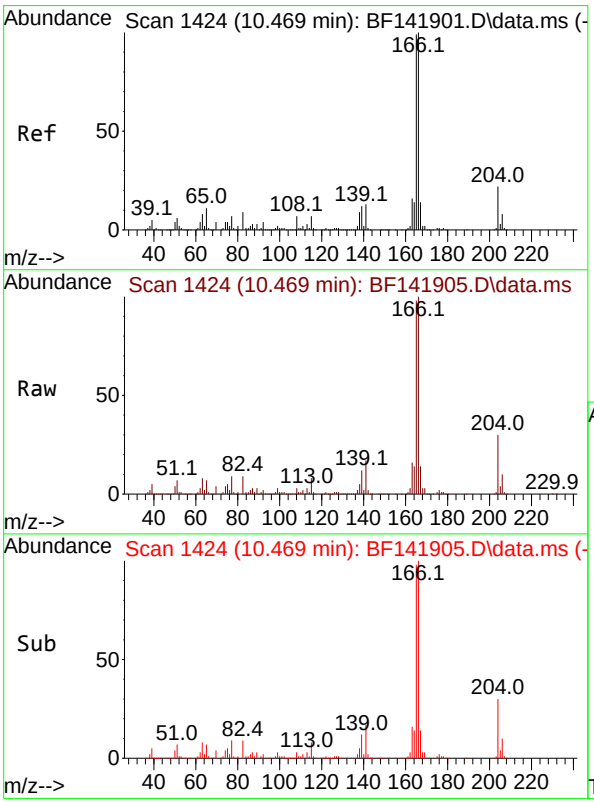
#57
2,4-Dinitrotoluene
Concen: 50.321 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 461276

Ion	Ratio	Lower	Upper
165	100		
63	45.8	35.4	53.2
89	74.3	56.6	84.8
182	2.8	2.2	3.4

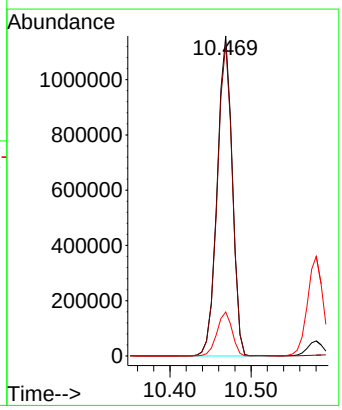


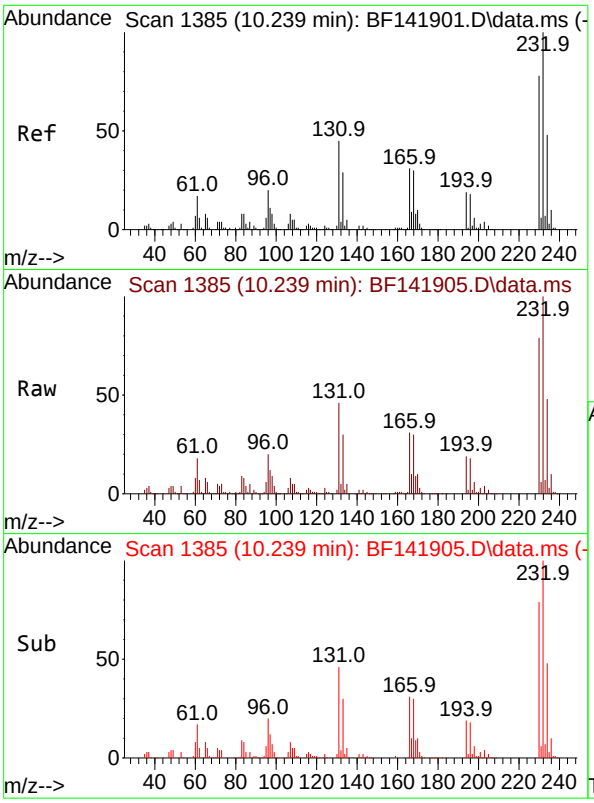


#58
Fluorene
Concen: 47.708 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:166 Resp: 1497123

Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.0	118.4
167	13.7	11.0	16.4



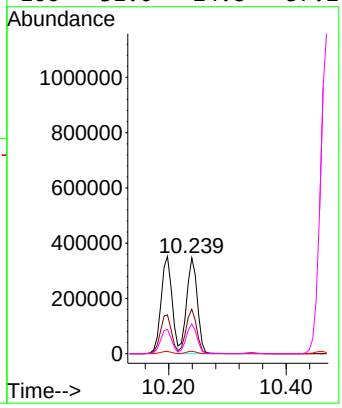


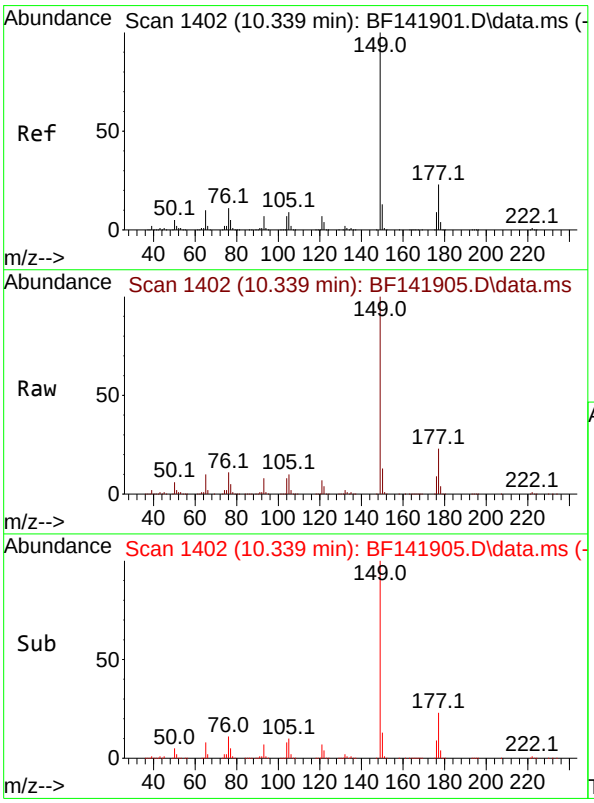
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.600 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 438025

Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.3	55.9
130	2.4	1.9	2.9
166	31.0	24.8	37.2

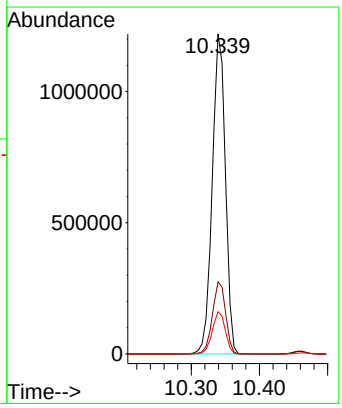


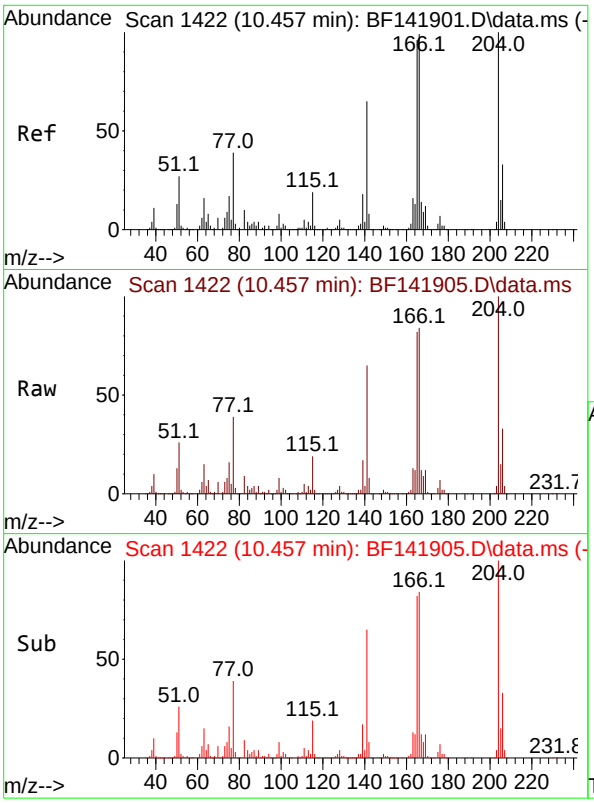


#60
Diethylphthalate
Concen: 48.639 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 1635073

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	13.2	10.2	15.4



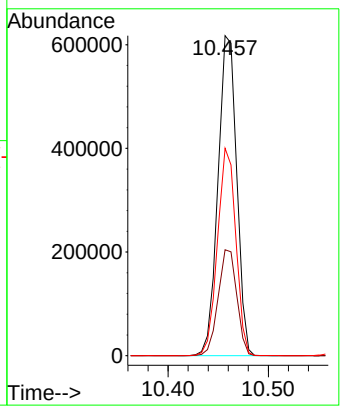


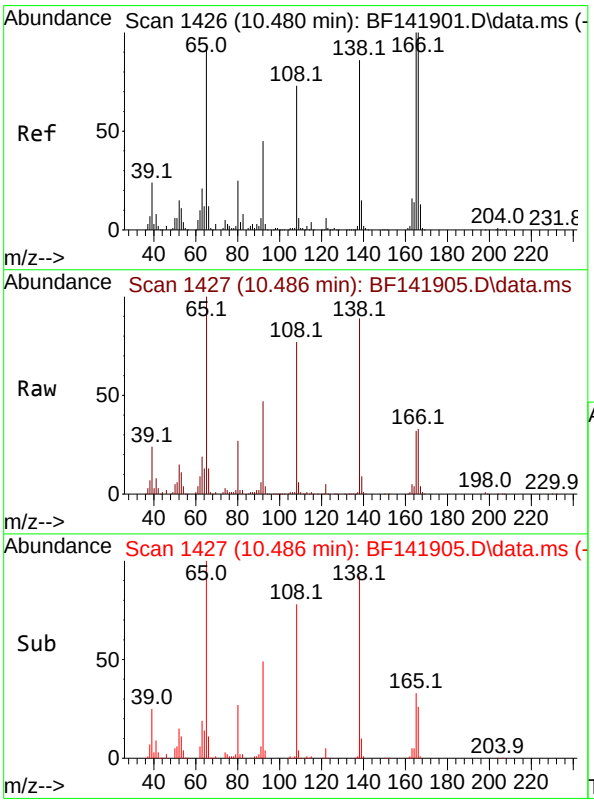
#61
4-Chlorophenyl-phenylether
Concen: 48.929 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 799744

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.8	40.2
141	64.8	52.4	78.6

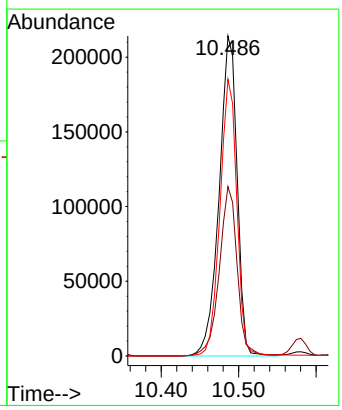


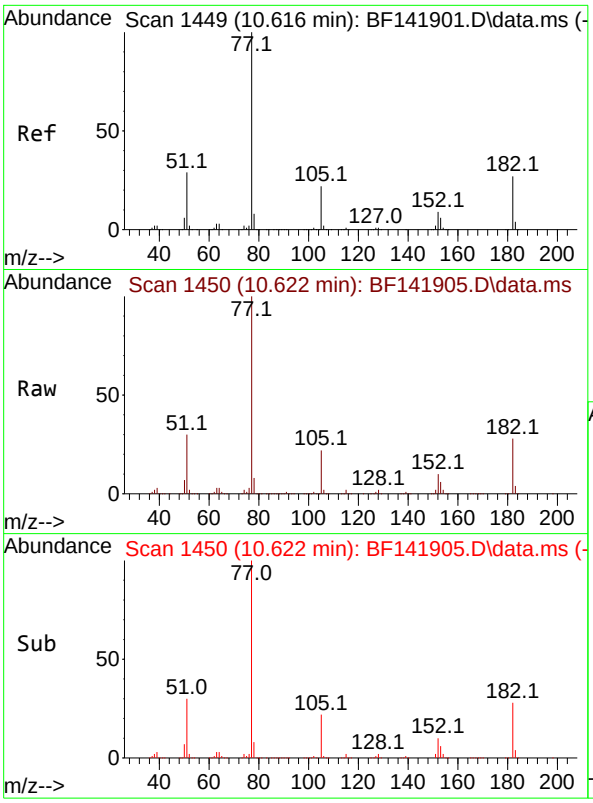


#62
4-Nitroaniline
Concen: 49.990 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:138 Resp: 346378

Ion	Ratio	Lower	Upper
138	100		
92	52.9	32.6	72.6
108	86.4	65.0	105.0



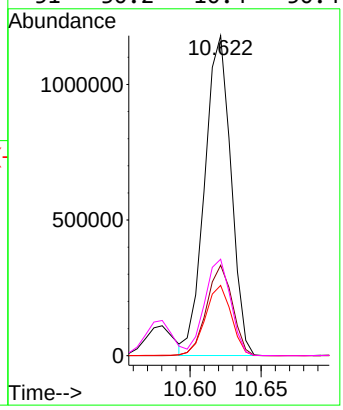


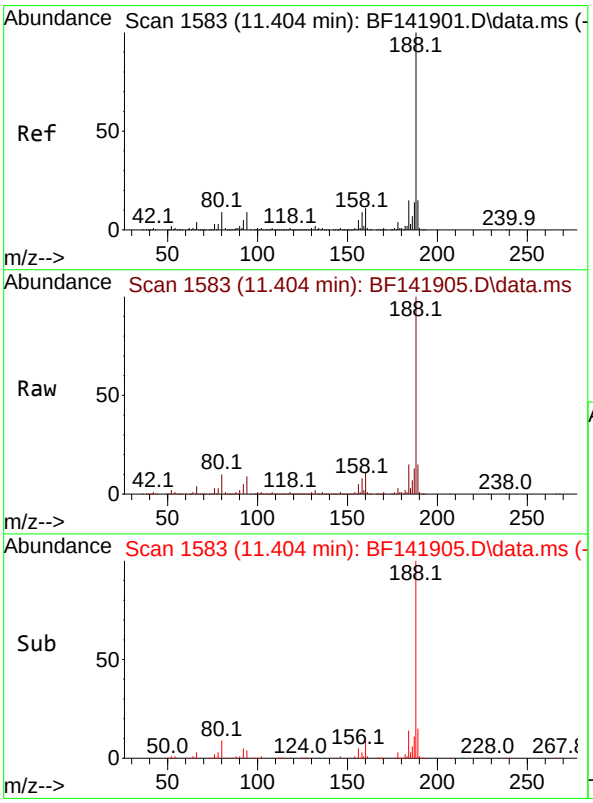
#63
Azobenzene
Concen: 48.653 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1519356

Ion	Ratio	Lower	Upper
77	100		
182	28.3	6.6	46.6
105	22.0	1.3	41.3
51	30.2	10.4	50.4

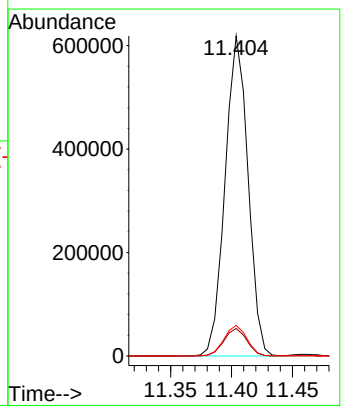


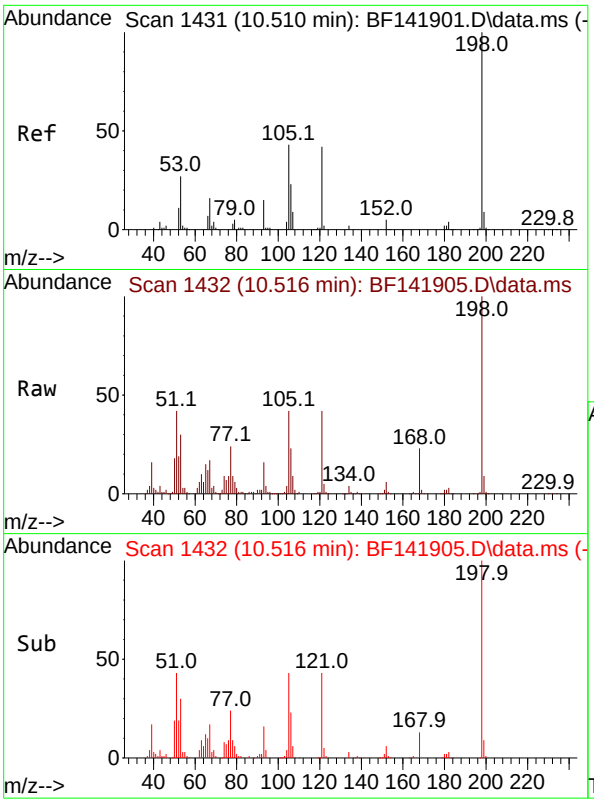


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:188 Resp: 811142

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.8	10.2
80	9.6	7.6	11.4



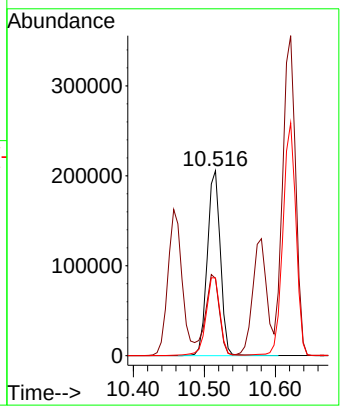


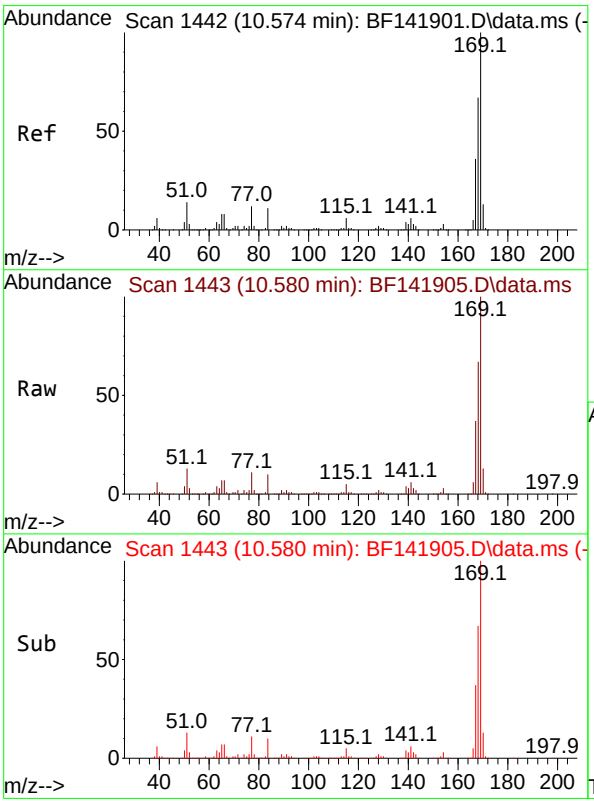
#65
4,6-Dinitro-2-methylphenol
Concen: 54.673 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 262910

Ion	Ratio	Lower	Upper
198	100		
51	41.7	22.3	62.3
105	42.0	23.0	63.0

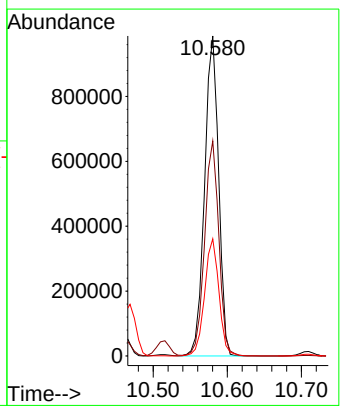


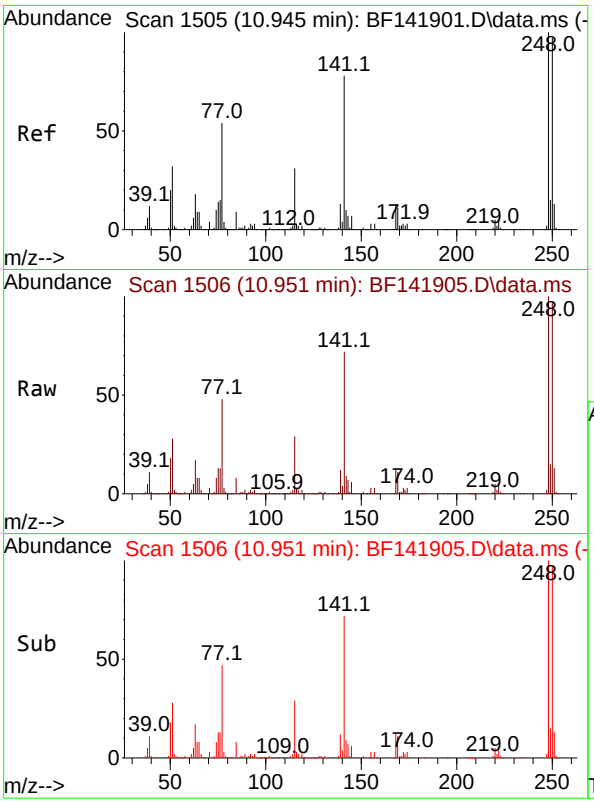


#66
n-Nitrosodiphenylamine
Concen: 49.373 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:169 Resp: 1293745

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.7	80.5
167	36.6	29.2	43.8



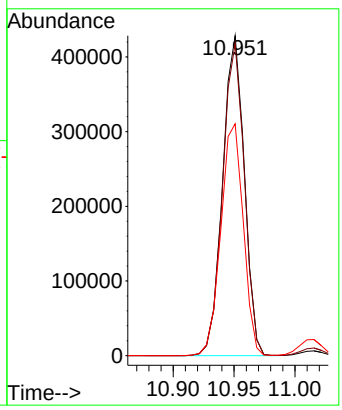


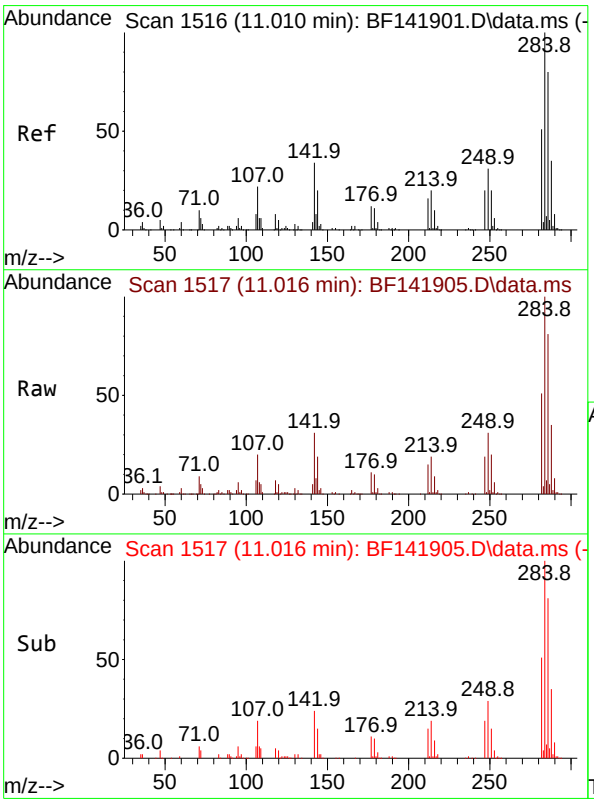
#67
4-Bromophenyl-phenylether
Concen: 52.740 ng
RT: 10.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 532762

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.8	116.8
141	72.5	62.6	93.8

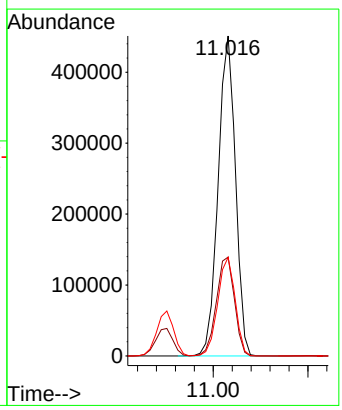


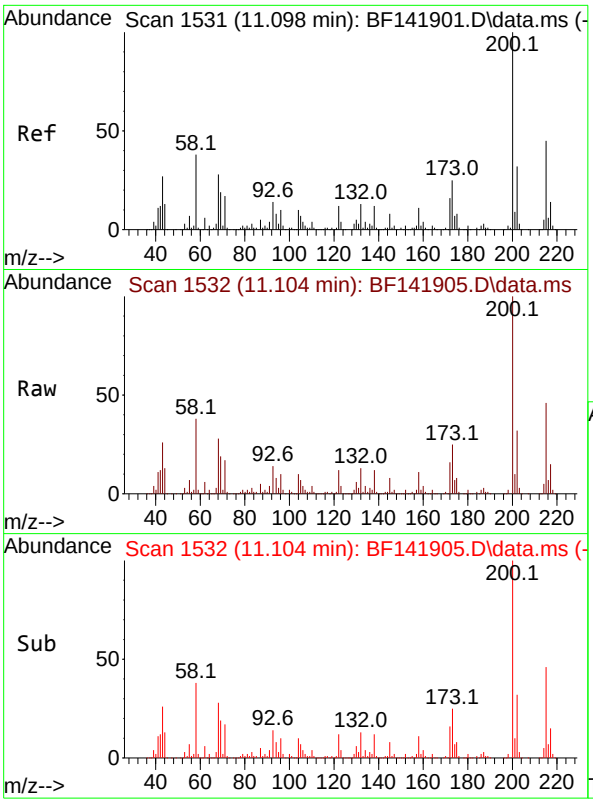


#68
Hexachlorobenzene
Concen: 51.359 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:284 Resp: 573467

Ion	Ratio	Lower	Upper
284	100		
142	30.9	27.0	40.6
249	30.8	25.2	37.8



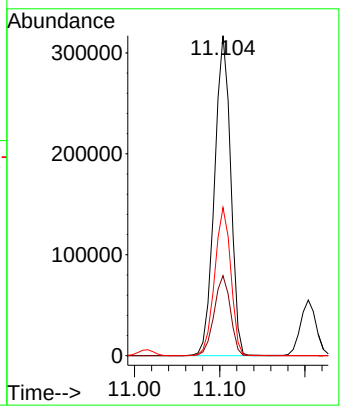


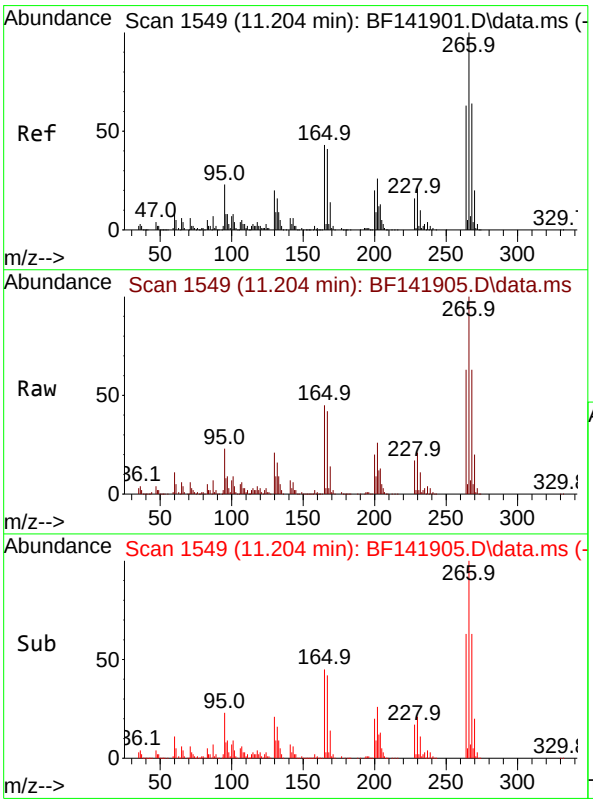
#69
Atrazine
Concen: 65.441 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 418147

Ion	Ratio	Lower	Upper
200	100		
173	25.0	4.7	44.7
215	46.3	25.4	65.4

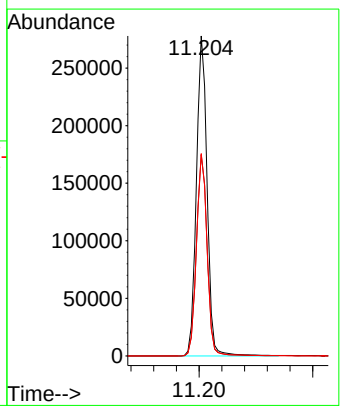


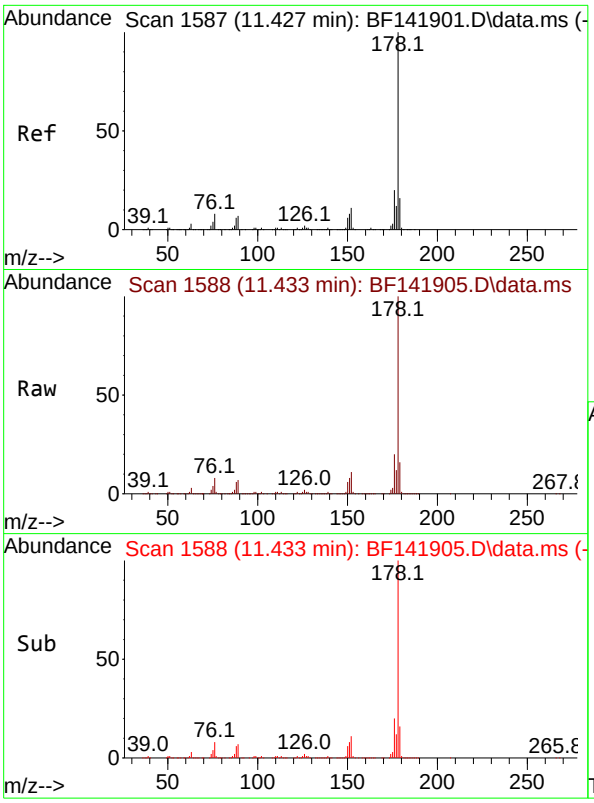


#70
Pentachlorophenol
Concen: 53.050 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:266 Resp: 365292

Ion	Ratio	Lower	Upper
266	100		
268	62.9	51.0	76.6
264	63.3	50.2	75.2



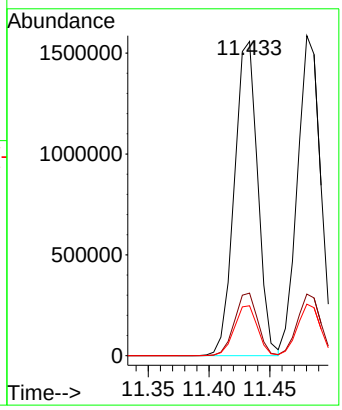


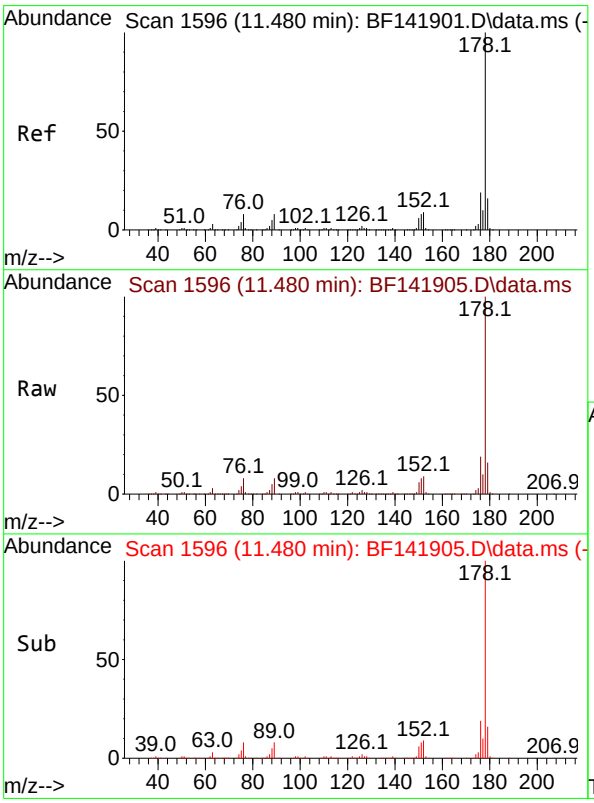
#71
Phenanthrene
Concen: 47.434 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 2080633

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.9	12.6	19.0

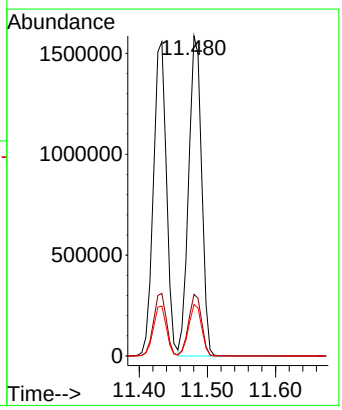


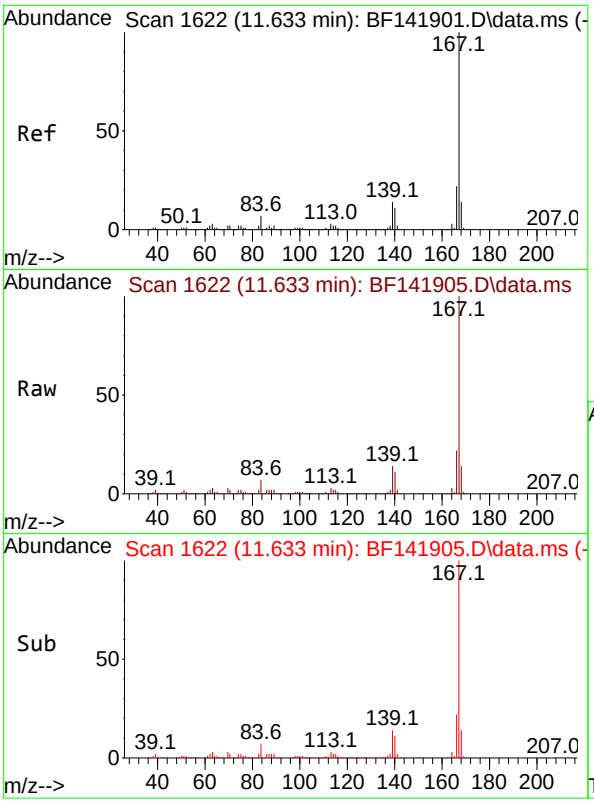


#72
Anthracene
Concen: 47.299 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:178 Resp: 2081490

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	16.1	12.6	19.0



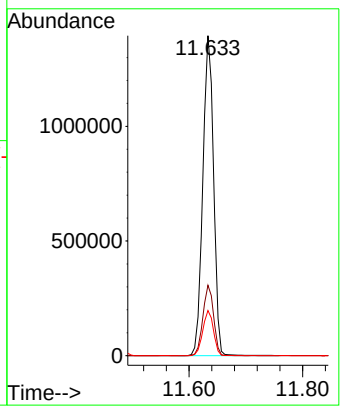


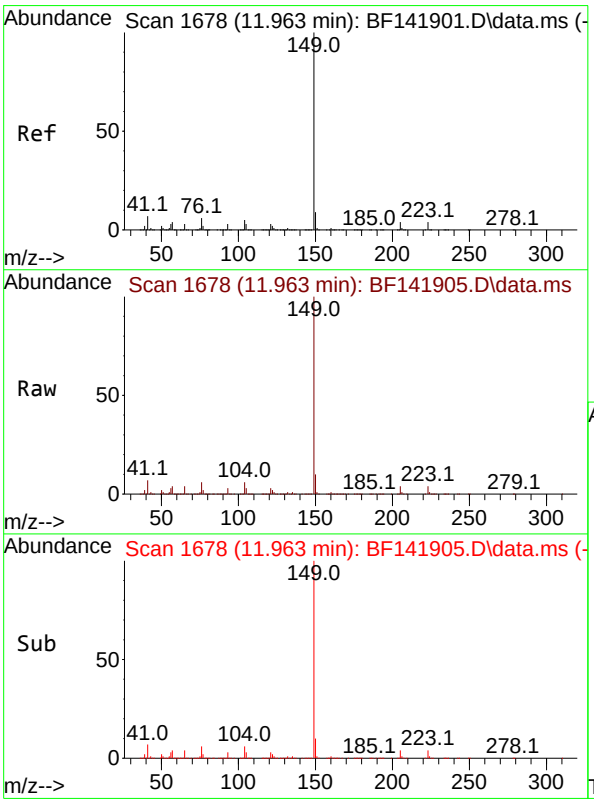
#73
Carbazole
Concen: 48.338 ng
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 1831424

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.4	26.2
139	14.1	11.0	16.6

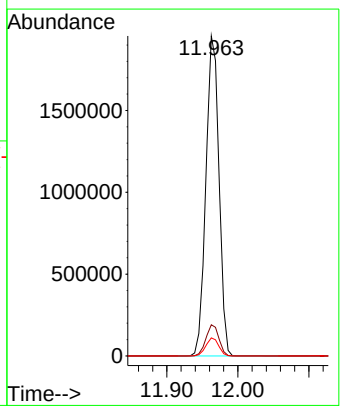


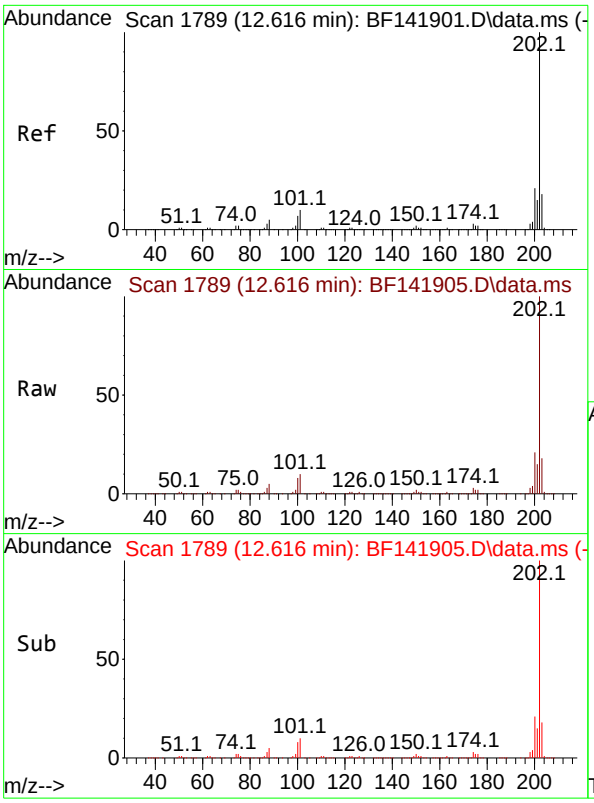


#74
Di-n-butylphthalate
Concen: 50.185 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 2510447

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.6	11.4
104	5.6	4.4	6.6



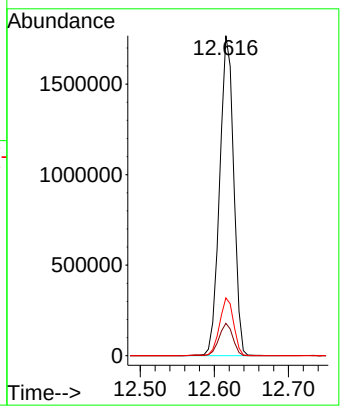


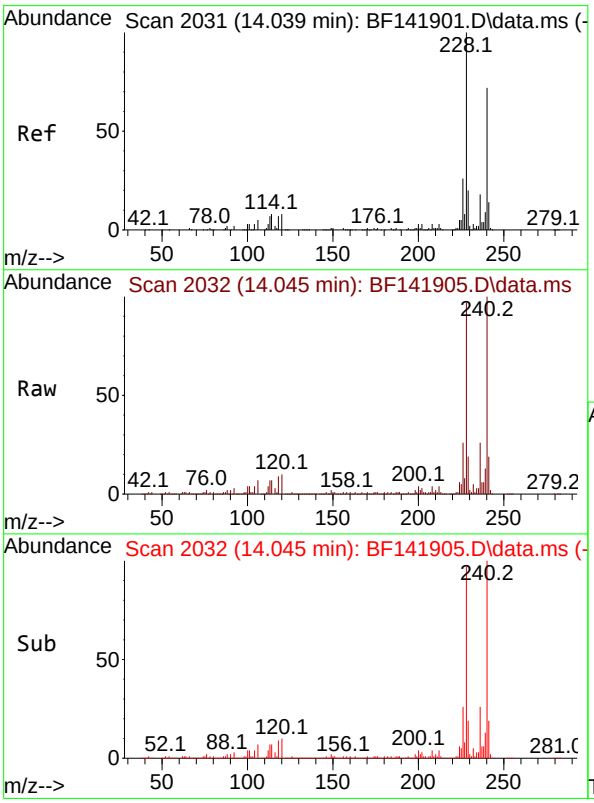
#75
Fluoranthene
Concen: 50.564 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 2328357

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	29.7
203	18.1	0.0	37.8

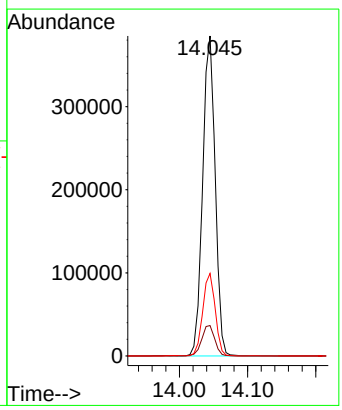


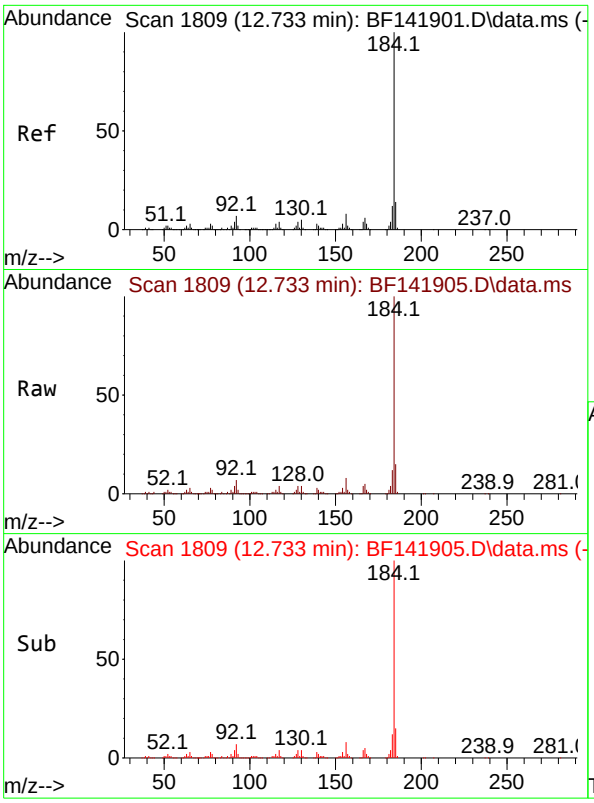


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:240 Resp: 491943

Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.4	12.6
236	25.8	20.5	30.7



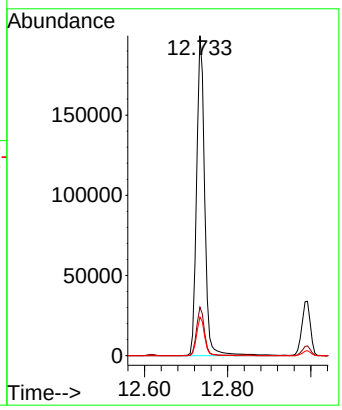


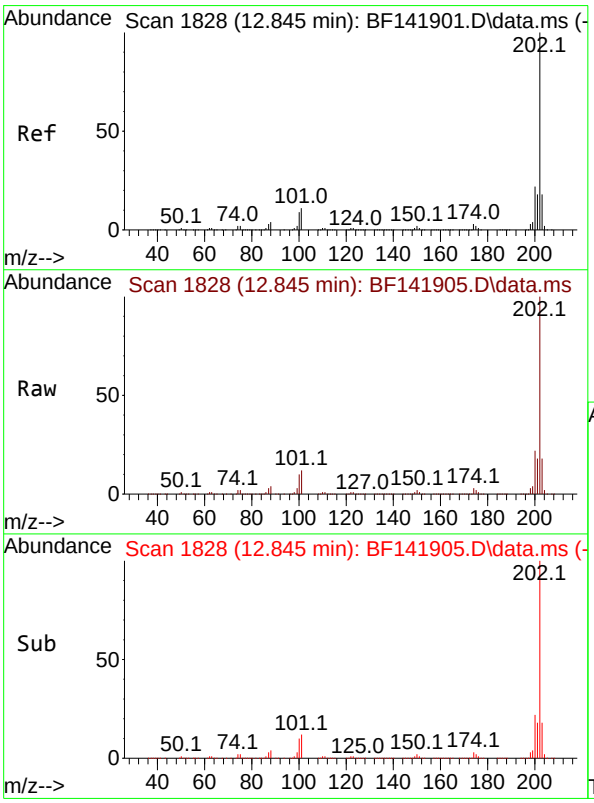
#77
Benzidine
Concen: 38.966 ng
RT: 12.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 270893

Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.5	17.3
183	12.0	9.7	14.5

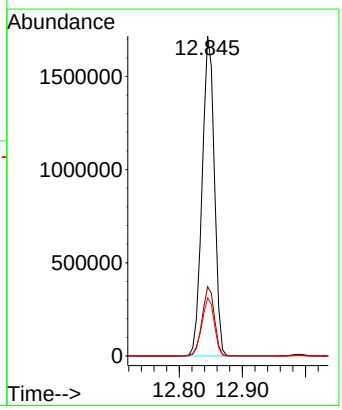


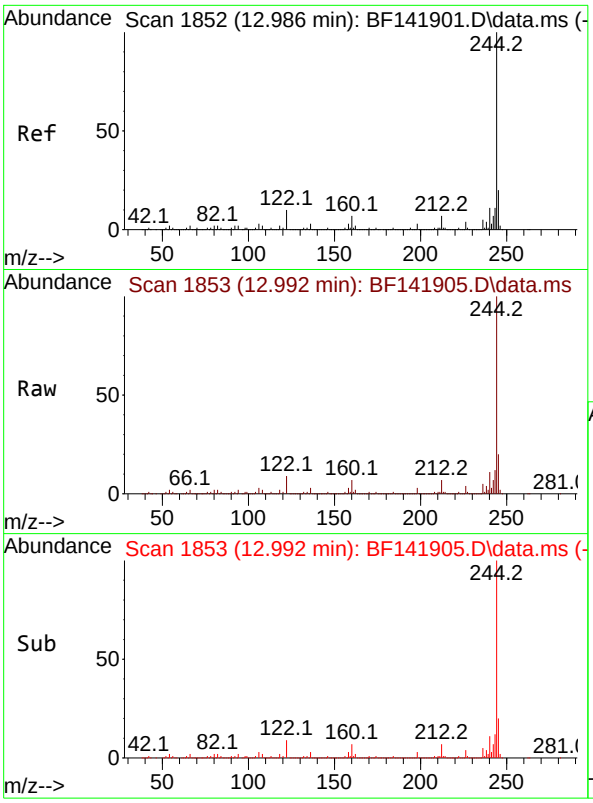


#78
Pyrene
Concen: 54.723 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:202 Resp: 2308671

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.2	14.4	21.6



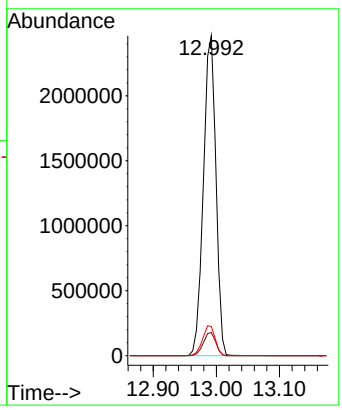


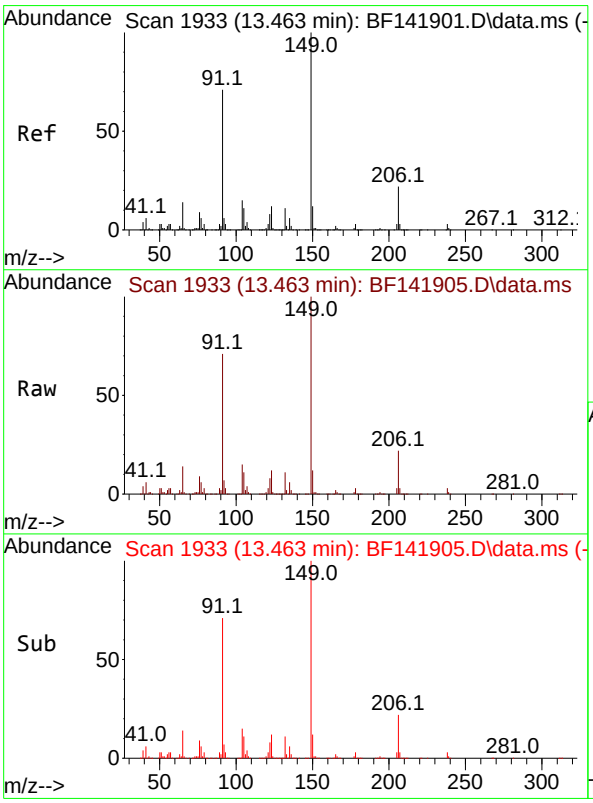
#79
Terphenyl-d14
Concen: 102.007 ng
RT: 12.992 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 3394803

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	9.2	7.7	11.5

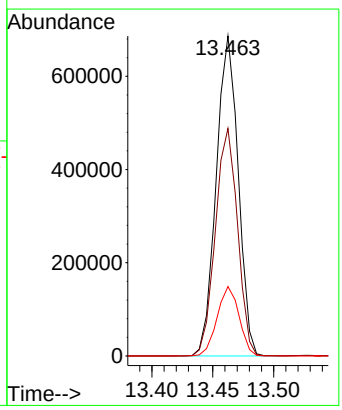


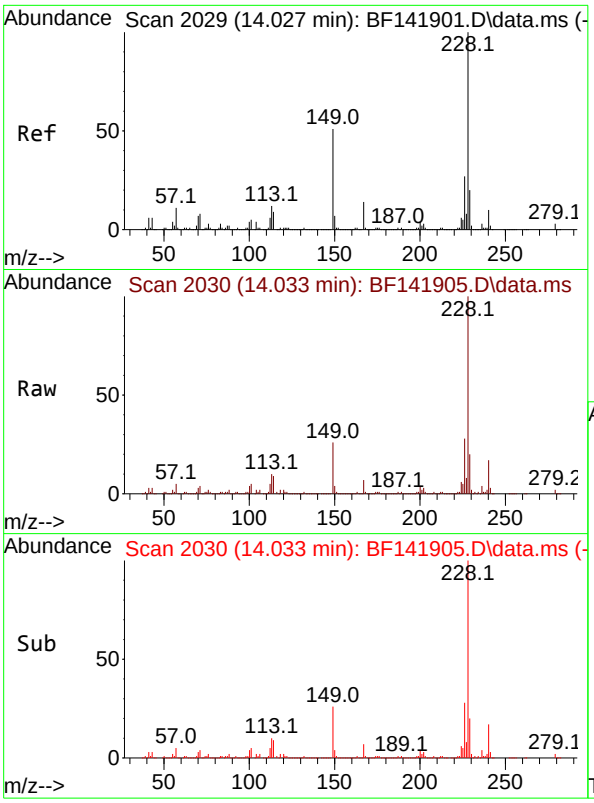


#80
Butylbenzylphthalate
Concen: 52.022 ng
RT: 13.463 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 864849

Ion	Ratio	Lower	Upper
149	100		
91	71.1	56.5	84.7
206	21.7	17.3	25.9



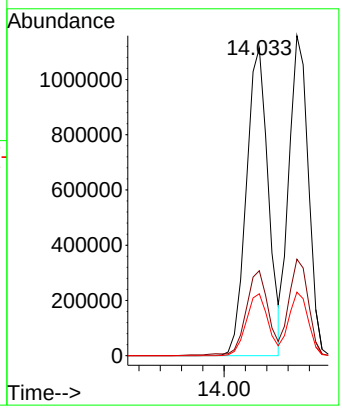


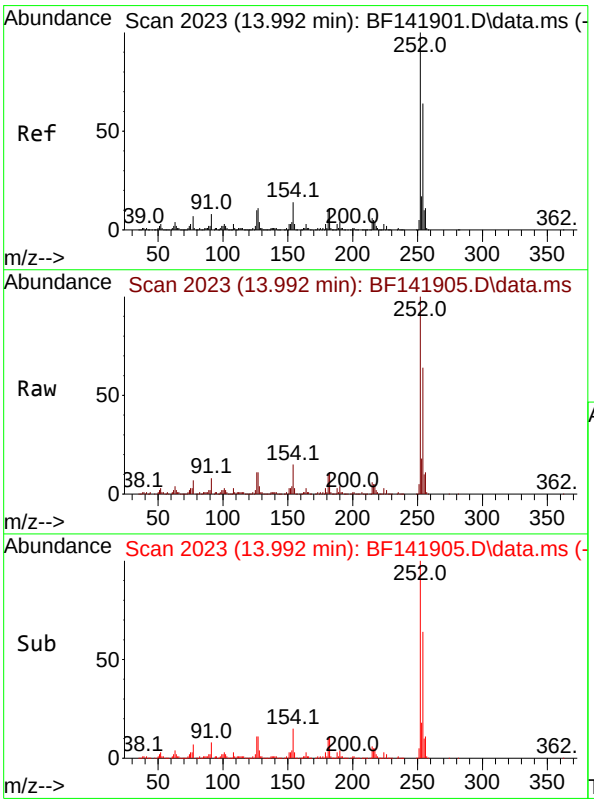
#81
Benzo(a)anthracene
Concen: 49.192 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1592035

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	20.1	16.0	24.0

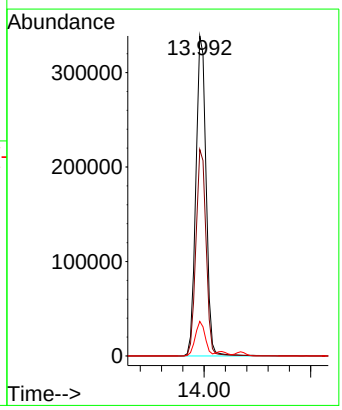


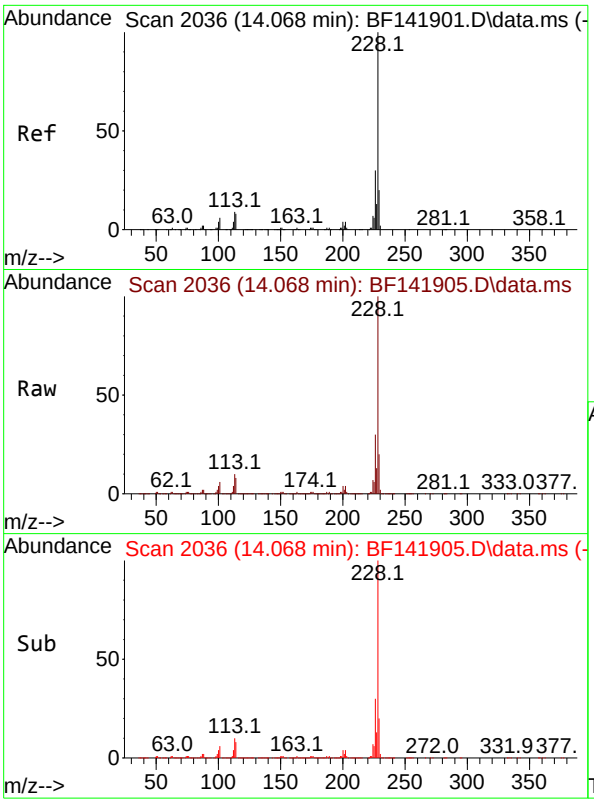


#82
3,3'-Dichlorobenzidine
Concen: 48.044 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:252 Resp: 449408

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.0	76.6
126	10.8	8.4	12.6



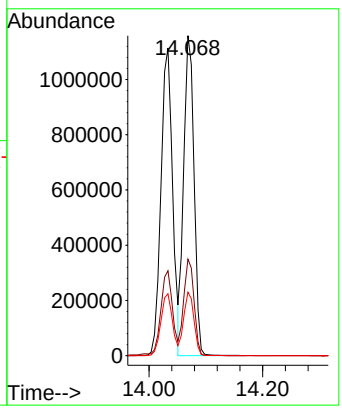


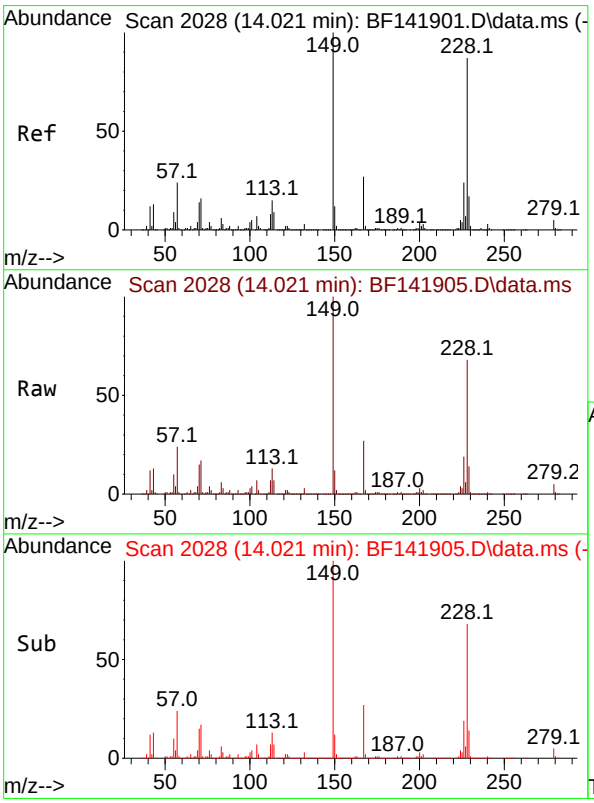
#83
Chrysene
Concen: 50.404 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1465389

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	19.9	15.7	23.5

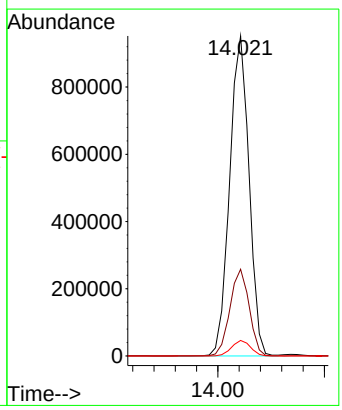


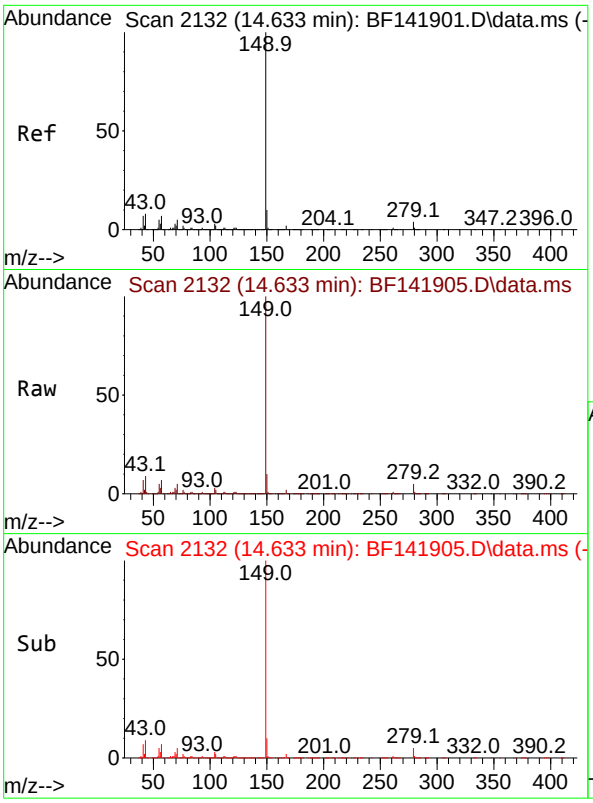


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.747 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 1203021

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.4	32.0
279	4.9	3.8	5.6



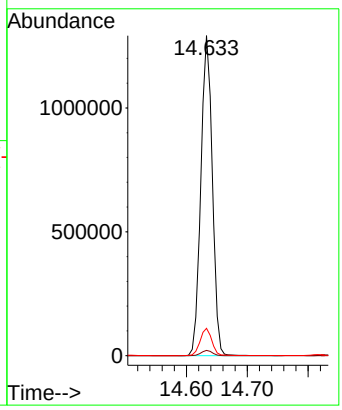


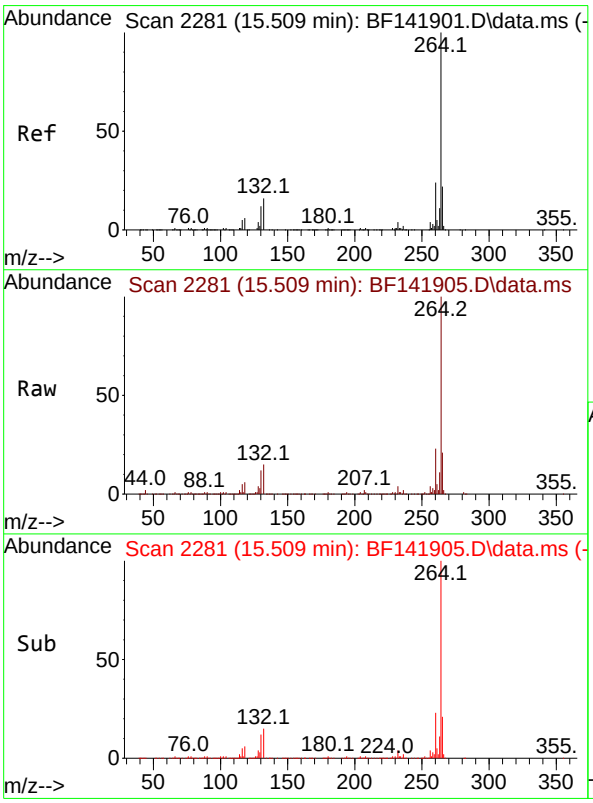
#85
Di-n-octyl phthalate
Concen: 53.307 ng
RT: 14.633 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 1692206

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	6.9	10.3

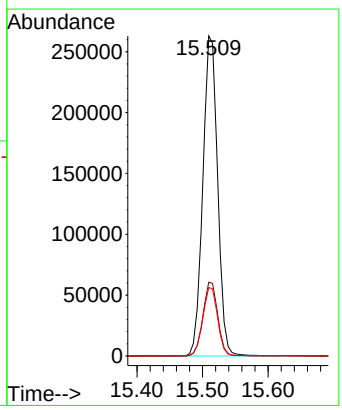


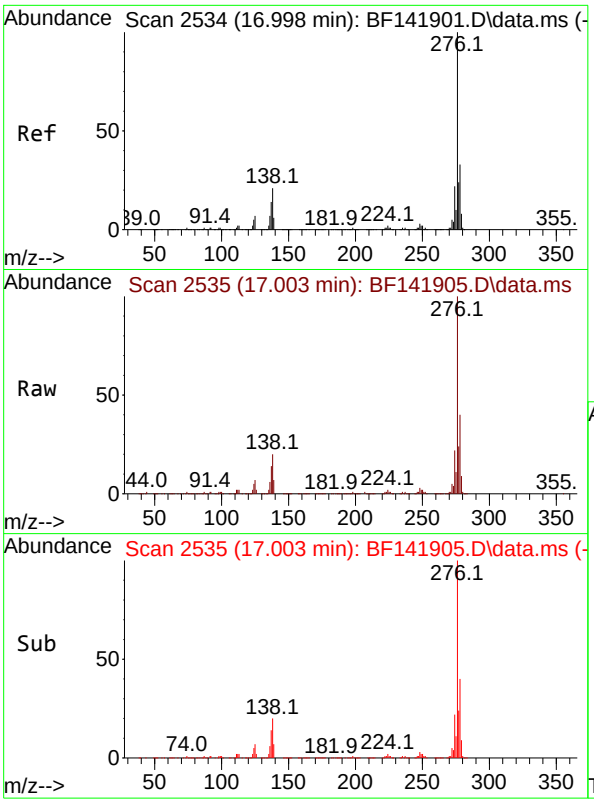


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:264 Resp: 413564

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	21.4	17.5	26.3



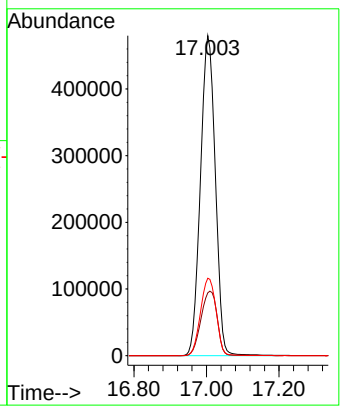


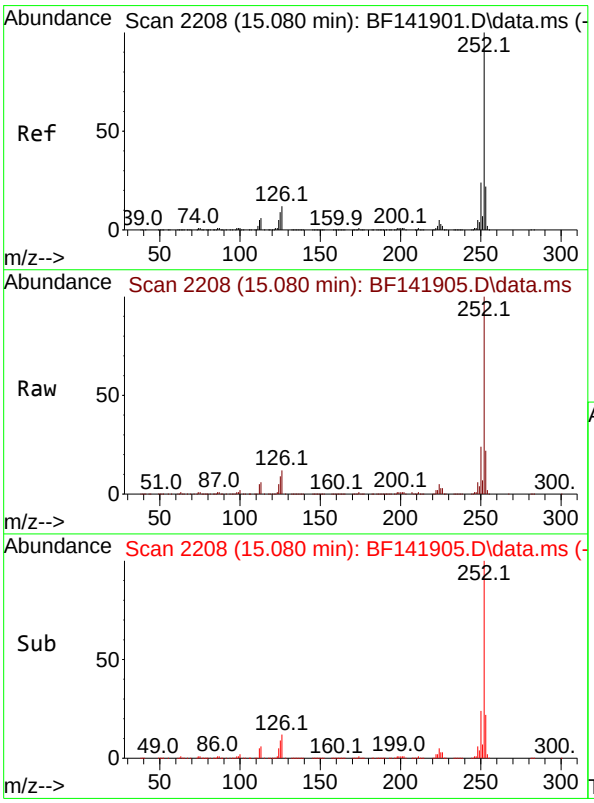
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.969 ng
RT: 17.003 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1366974

Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.4	27.6
277	25.3	20.3	30.5

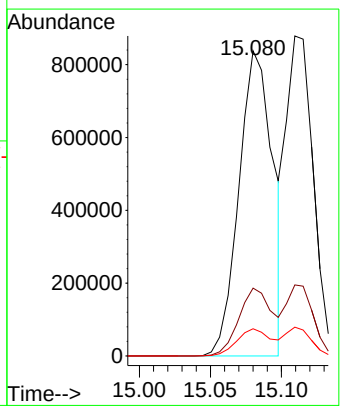


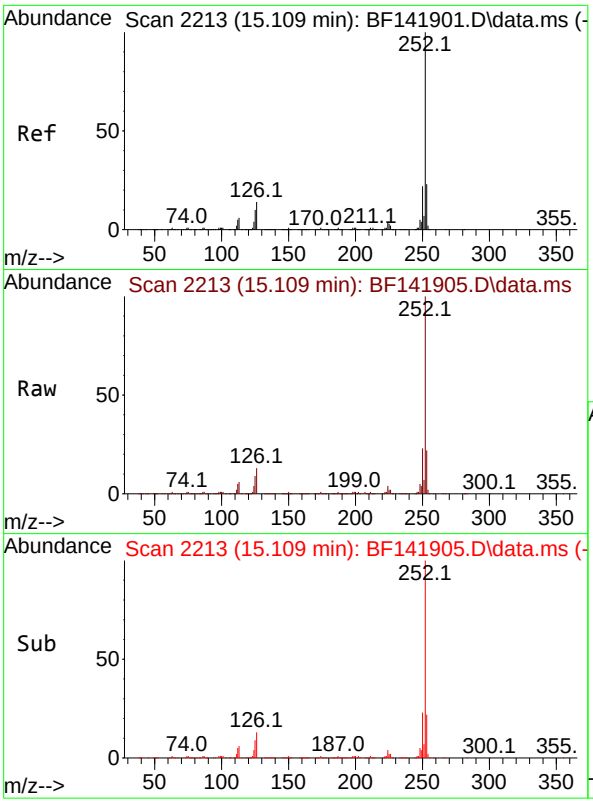


#88
Benzo(b)fluoranthene
Concen: 49.625 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:252 Resp: 1392083

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	8.9	7.0	10.4



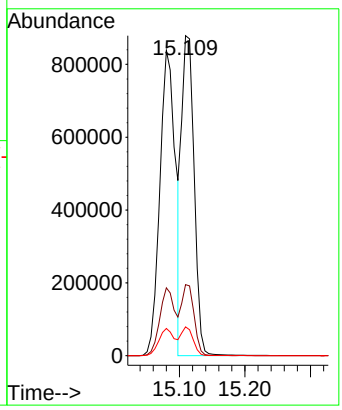


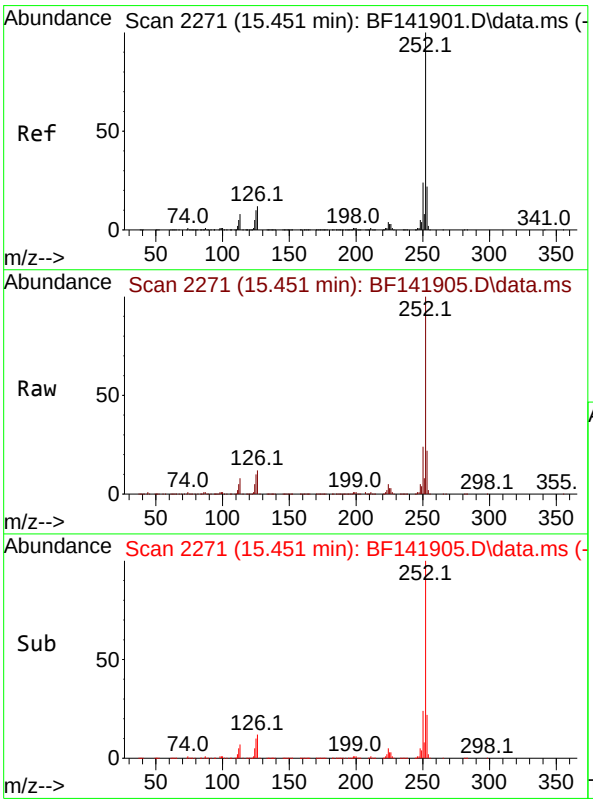
#89
Benzo(k)fluoranthene
Concen: 47.638 ng
RT: 15.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 1167351

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	9.0	7.2	10.8

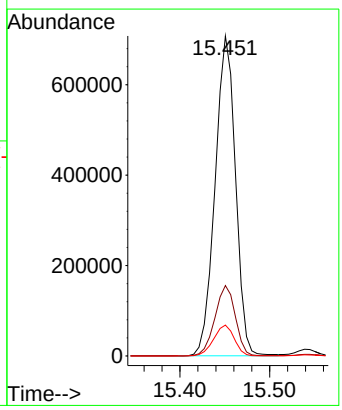


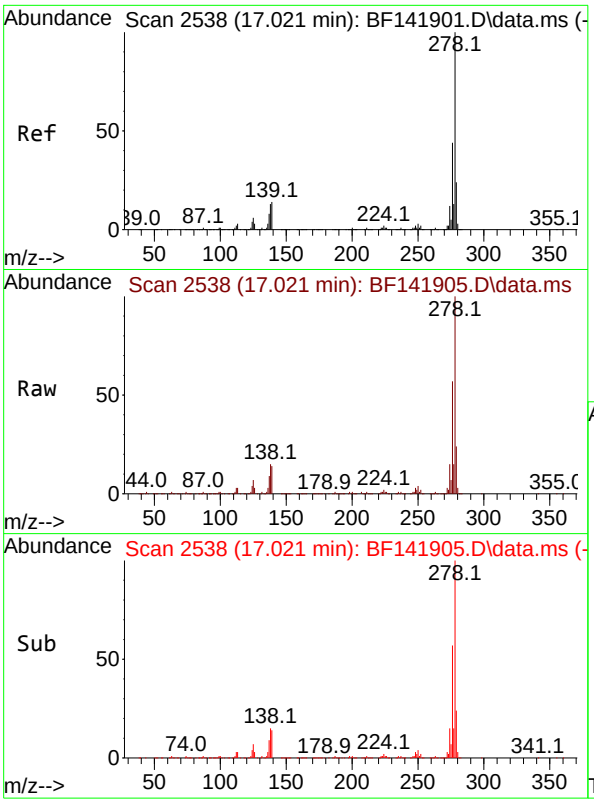


#90
Benzo(a)pyrene
Concen: 50.591 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:252 Resp: 1119256

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	9.6	7.8	11.8



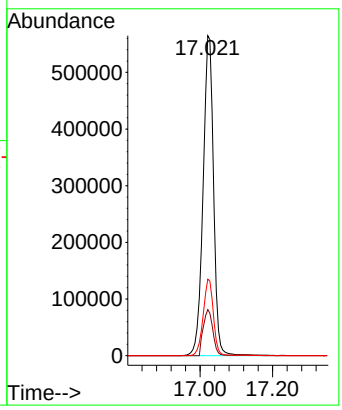


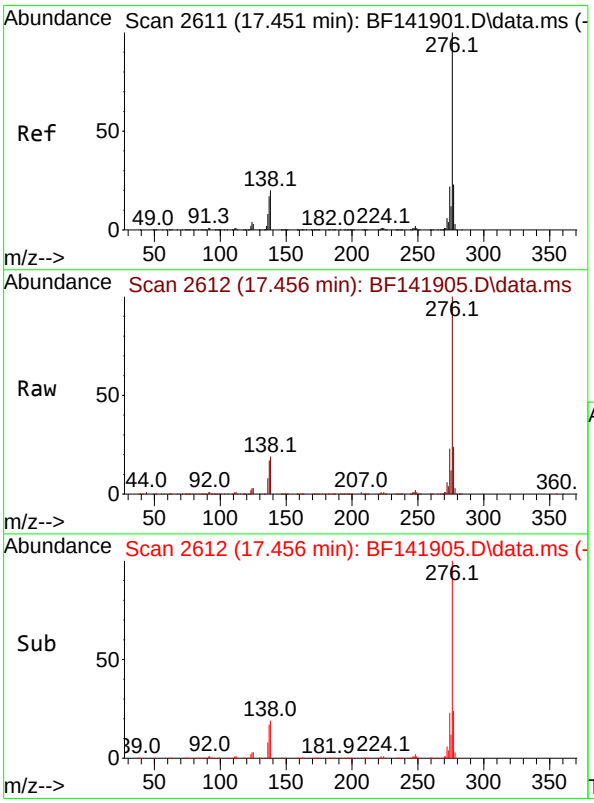
#91
Dibenzo(a,h)anthracene
Concen: 51.149 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 1131875

Ion	Ratio	Lower	Upper
278	100		
139	14.4	11.4	17.2
279	23.9	18.8	28.2

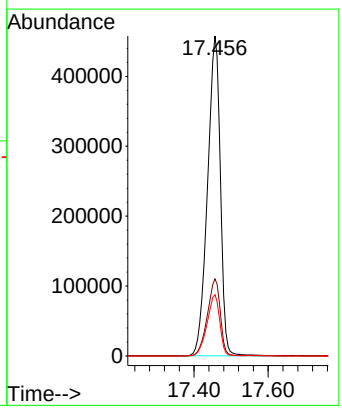




#92
Benzo(g,h,i)perylene
Concen: 50.106 ng
RT: 17.456 min Scan# 2612
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:276 Resp: 1099760

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	19.2	15.8	23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	209747	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	840616	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	483165	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	813672	20.000	ng	0.00
76) Chrysene-d12	14.039	240	523890	20.000	ng	0.00
86) Perylene-d12	15.510	264	426422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	965473	76.823	ng	0.00
7) Phenol-d6	6.504	99	1231487	76.962	ng	0.00
23) Nitrobenzene-d5	7.445	82	1179480	78.962	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	486334	79.342	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2399526	75.528	ng	0.00
79) Terphenyl-d14	12.986	244	2825870	79.748	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	203628	38.670	ng	99
3) Pyridine	3.428	79	504398	39.050	ng	99
4) n-Nitrosodimethylamine	3.387	42	239879	38.959	ng	97
6) Aniline	6.545	93	614962	38.958	ng	98
8) 2-Chlorophenol	6.669	128	539701	38.721	ng	99
9) Benzaldehyde	6.434	77	339615	37.950	ng	99
10) Phenol	6.516	94	658449	39.115	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	483438	38.246	ng	99
12) 1,3-Dichlorobenzene	6.822	146	577700	38.391	ng	100
13) 1,4-Dichlorobenzene	6.898	146	584132	38.366	ng	99
14) 1,2-Dichlorobenzene	7.051	146	555621	38.744	ng	100
15) Benzyl Alcohol	7.022	79	509792	39.408	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	569783	37.338	ng	100
17) 2-Methylphenol	7.128	107	429715	38.775	ng	99
18) Hexachloroethane	7.392	117	221507	38.797	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	391096	38.038	ng	100
20) 3+4-Methylphenols	7.281	107	548208	38.619	ng	99
22) Acetophenone	7.292	105	757917	37.650	ng	98
24) Nitrobenzene	7.463	77	578836	38.980	ng	99
25) Isophorone	7.704	82	1007659	38.163	ng	100
26) 2-Nitrophenol	7.775	139	294657	40.429	ng	96
27) 2,4-Dimethylphenol	7.810	122	385504	38.414	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	628379	37.943	ng	100
29) 2,4-Dichlorophenol	8.016	162	485205	38.952	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	526250	38.336	ng	100
31) Naphthalene	8.187	128	1633401	37.827	ng	100
32) Benzoic acid	7.928	122	373179	42.303	ng	99
33) 4-Chloroaniline	8.228	127	592172	38.847	ng	99
34) Hexachlorobutadiene	8.304	225	347789	38.849	ng	99
35) Caprolactam	8.604	113	141562	37.276	ng	98
36) 4-Chloro-3-methylphenol	8.704	107	535661	38.550	ng	99
37) 2-Methylnaphthalene	8.875	142	1094895	37.935	ng	100
38) 1-Methylnaphthalene	8.975	142	1071850	38.484	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	561804	38.191	ng	99
41) Hexachlorocyclopentadiene	9.028	237	220386	38.281	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	377743	39.292	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

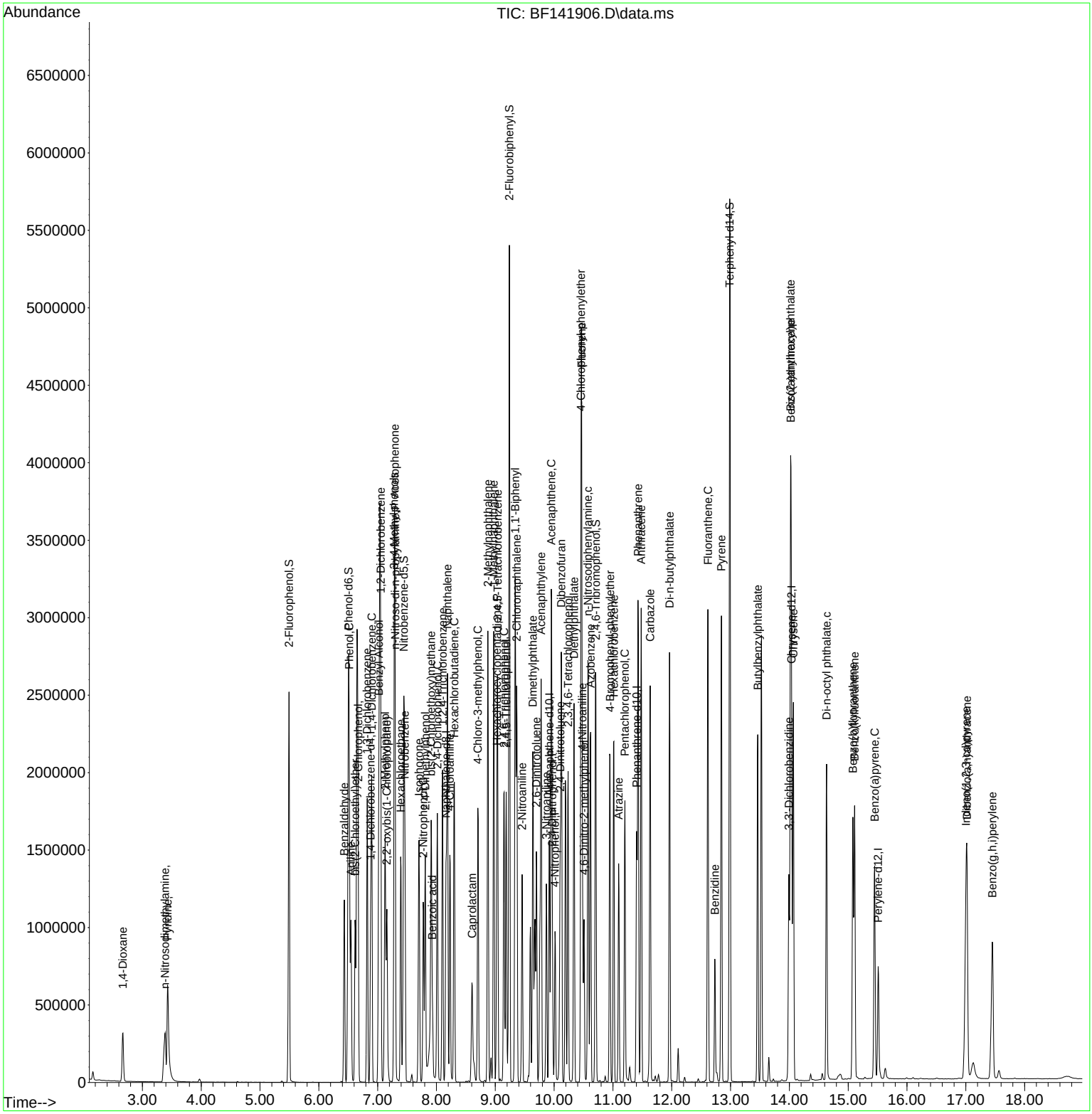
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	372564	38.263	ng	99
46) 1,1'-Biphenyl	9.339	154	1401736	38.182	ng	100
47) 2-Chloronaphthalene	9.363	162	1042241	38.090	ng	99
48) 2-Nitroaniline	9.457	65	308259	38.908	ng	99
49) Acenaphthylene	9.781	152	1531852	37.725	ng	100
50) Dimethylphthalate	9.639	163	1272572	37.611	ng	100
51) 2,6-Dinitrotoluene	9.698	165	274531	38.970	ng	99
52) Acenaphthene	9.951	154	1095922	38.405	ng	100
53) 3-Nitroaniline	9.869	138	275555	38.561	ng	99
54) 2,4-Dinitrophenol	9.969	184	142831	39.326	ng	95
55) Dibenzofuran	10.122	168	1540381	37.778	ng	100
56) 4-Nitrophenol	10.016	139	212462	39.425	ng	99
57) 2,4-Dinitrotoluene	10.104	165	361518	39.291	ng	99
58) Fluorene	10.469	166	1175392	37.381	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	346168	39.070	ng	99
60) Diethylphthalate	10.339	149	1293401	38.337	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	627404	38.272	ng	99
62) 4-Nitroaniline	10.480	138	270993	38.953	ng	99
63) Azobenzene	10.622	77	1189121	37.911	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	200888	41.415	ng	99
66) n-Nitrosodiphenylamine	10.575	169	1008029	38.283	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	398683	39.015	ng	98
68) Hexachlorobenzene	11.016	284	445938	39.789	ng	96
69) Atrazine	11.098	200	257856	31.945	ng	99
70) Pentachlorophenol	11.204	266	289713	41.955	ng	100
71) Phenanthrene	11.427	178	1685770	38.357	ng	100
72) Anthracene	11.480	178	1675103	37.991	ng	100
73) Carbazole	11.633	167	1451333	38.167	ng	99
74) Di-n-butylphthalate	11.963	149	1953516	38.717	ng	100
75) Fluoranthene	12.616	202	1750317	37.545	ng	100
77) Benzidine	12.733	184	420377	57.513	ng	100
78) Pyrene	12.845	202	1746456	38.539	ng	100
80) Butylbenzylphthalate	13.463	149	723288	40.778	ng	99
81) Benzo(a)anthracene	14.027	228	1347977	39.211	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	380866	38.337	ng	100
83) Chrysene	14.068	228	1159074	37.195	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1006170	41.142	ng	99
85) Di-n-octyl phthalate	14.633	149	1394136	40.971	ng	100
87) Indeno(1,2,3-cd)pyrene	17.004	276	1061096	38.467	ng	99
88) Benzo(b)fluoranthene	15.080	252	1166263	39.906	ng	99
89) Benzo(k)fluoranthene	15.110	252	869471	34.765	ng	100
90) Benzo(a)pyrene	15.451	252	882967	38.612	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	886038	38.931	ng	99
92) Benzo(g,h,i)perylene	17.451	276	855812	38.051	ng	99

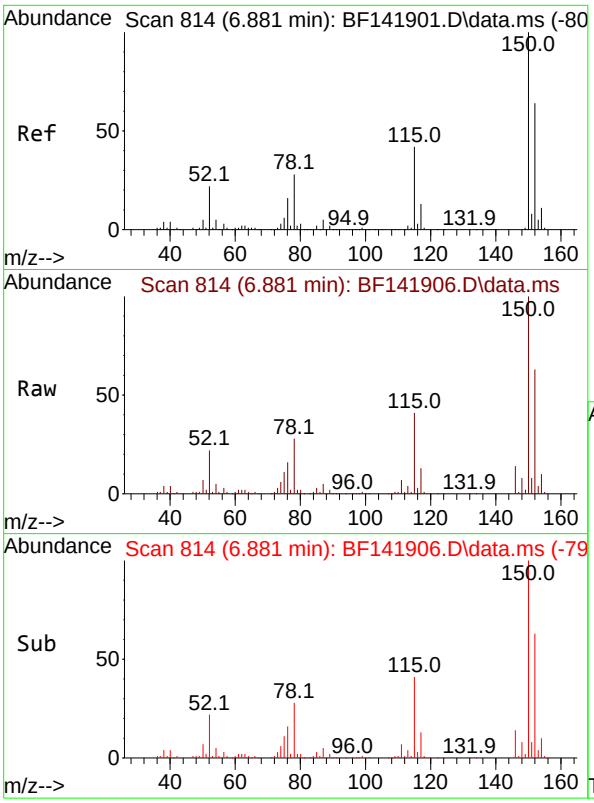
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



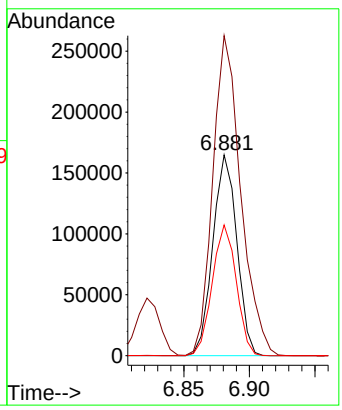


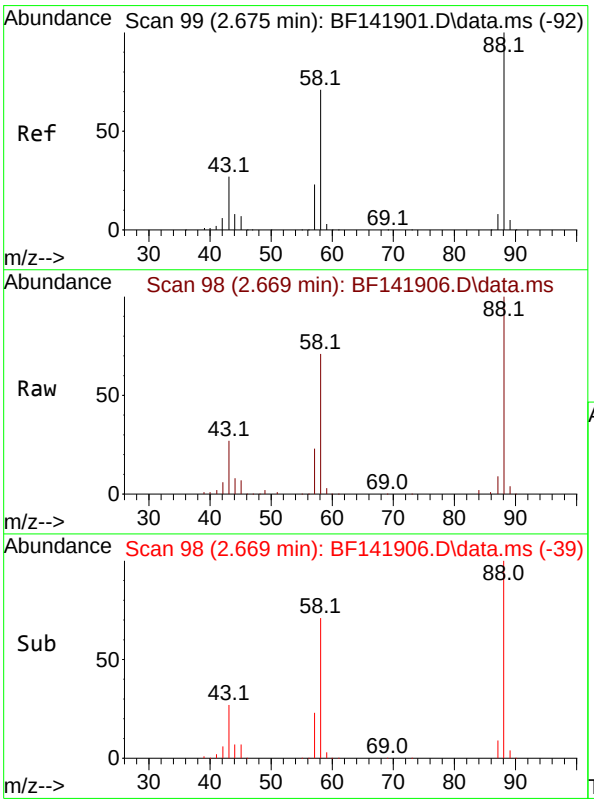
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:152 Resp: 209747

Ion	Ratio	Lower	Upper
152	100		
150	159.4	127.4	191.2
115	65.1	51.9	77.9

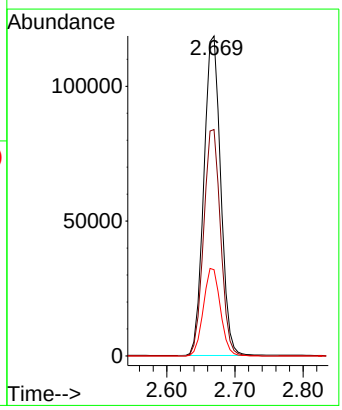


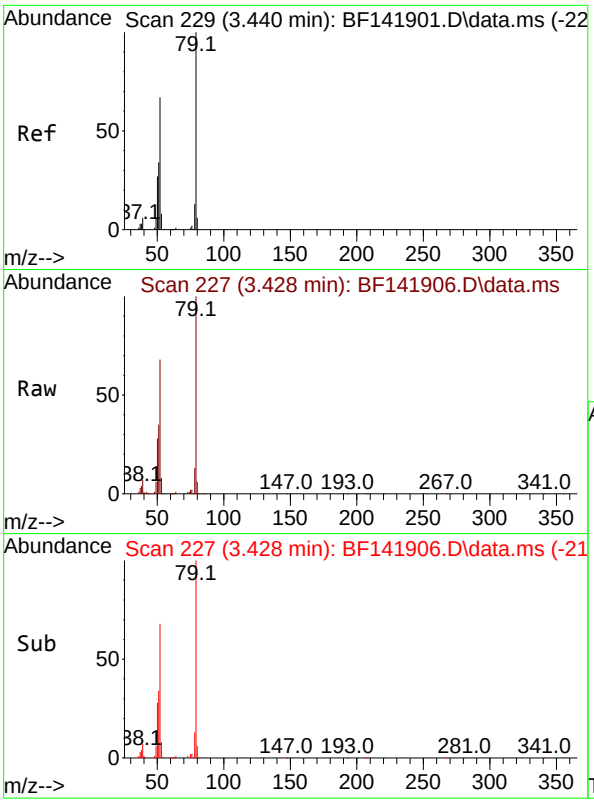


#2
1,4-Dioxane
Concen: 38.670 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 88 Resp: 203628

Ion	Ratio	Lower	Upper
88	100		
58	71.2	57.4	86.2
43	27.6	21.5	32.3



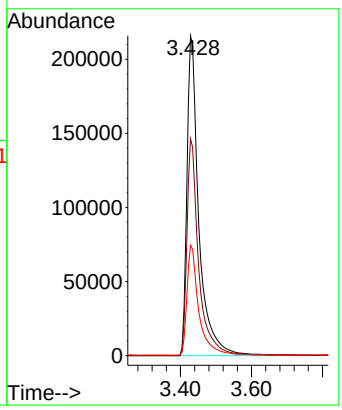


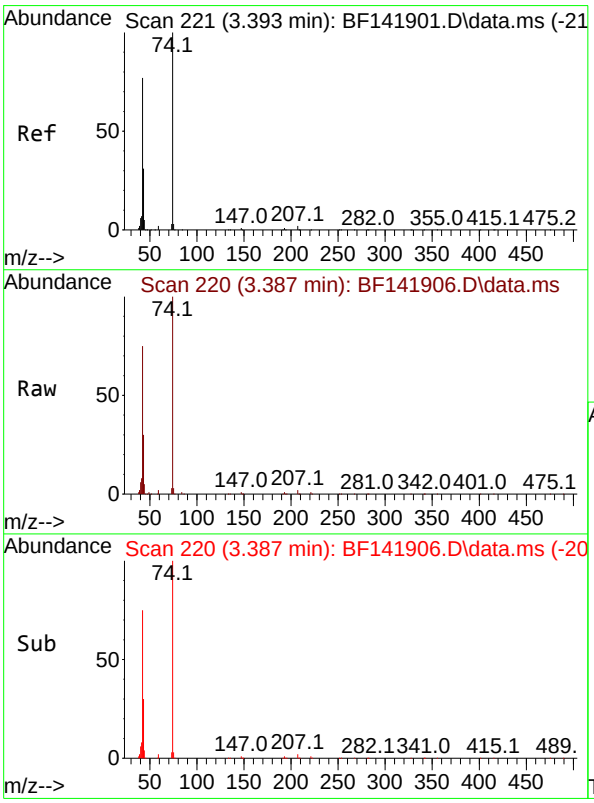
#3
Pyridine
Concen: 39.050 ng
RT: 3.428 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 79 Resp: 504398

Ion	Ratio	Lower	Upper
79	100		
52	67.8	53.3	79.9
51	34.5	27.6	41.4

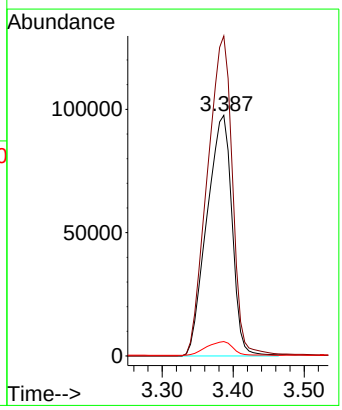


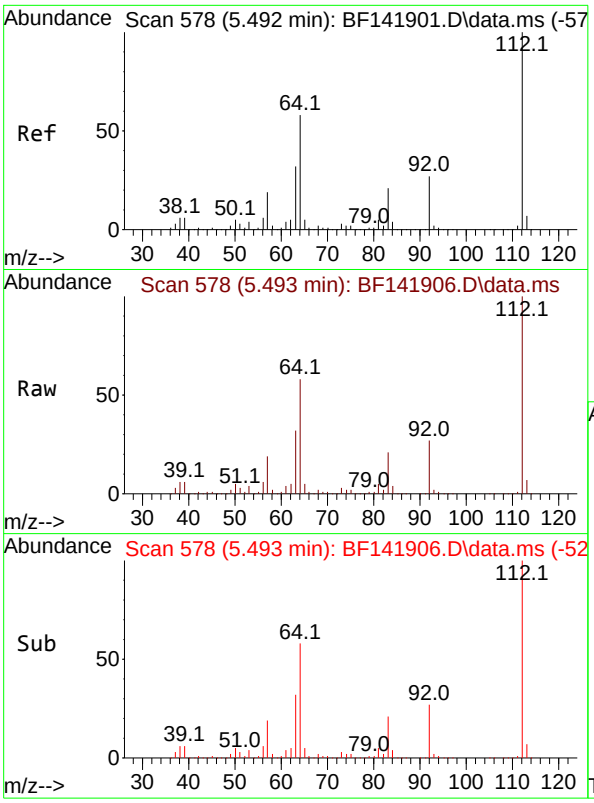


#4
n-Nitrosodimethylamine
Concen: 38.959 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 42 Resp: 239879

Ion	Ratio	Lower	Upper
42	100		
74	133.0	103.4	155.0
44	6.0	5.0	7.4



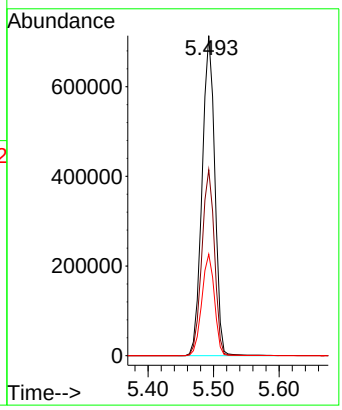


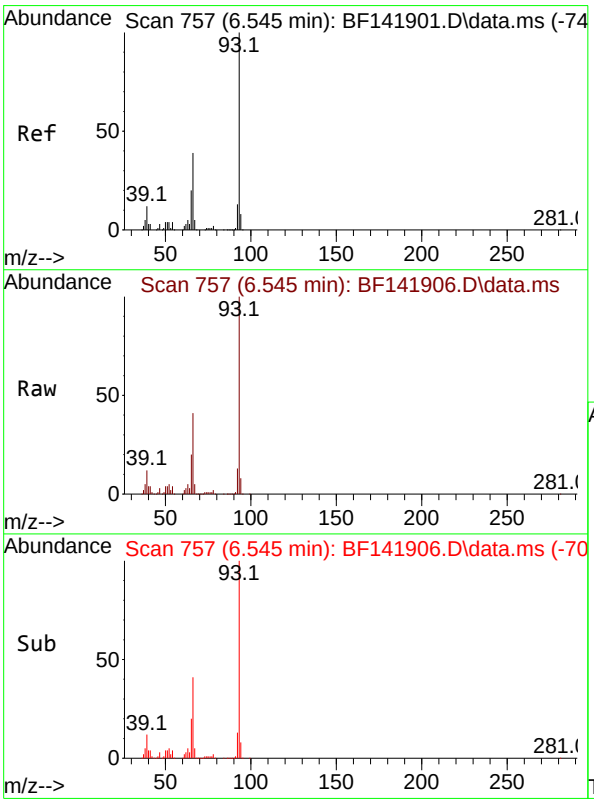
#5
2-Fluorophenol
Concen: 76.823 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:112 Resp: 965473

Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.5	69.7
63	31.7	25.4	38.2

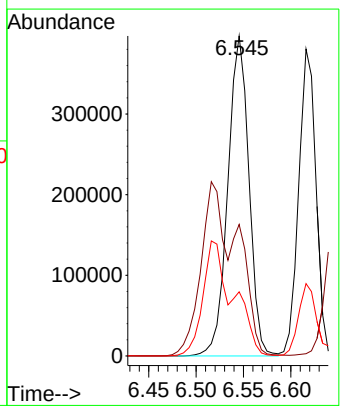


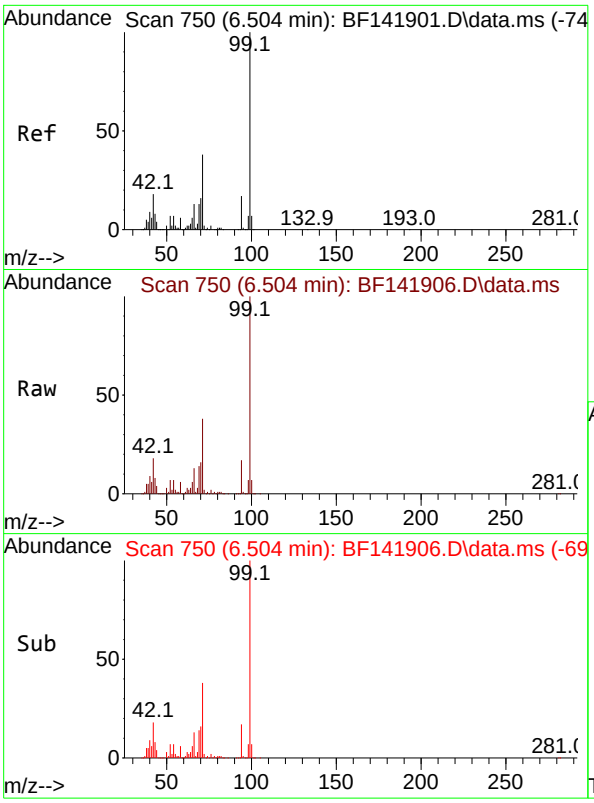


#6
Aniline
Concen: 38.958 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 93 Resp: 614962

Ion	Ratio	Lower	Upper
93	100		
66	41.1	31.9	47.9
65	20.0	15.8	23.6



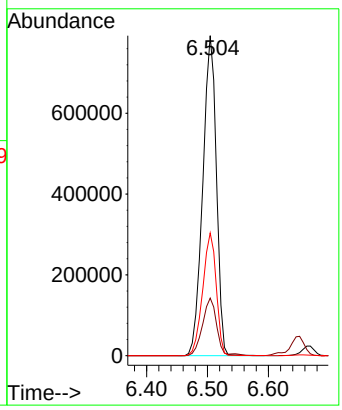


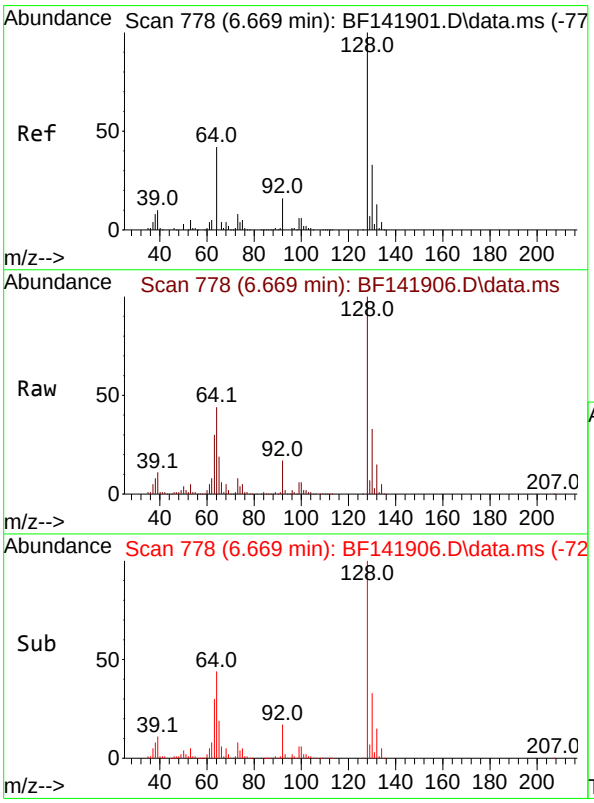
#7
Phenol-d6
Concen: 76.962 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 99 Resp: 1231487

Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.6	21.8
71	38.3	30.8	46.2

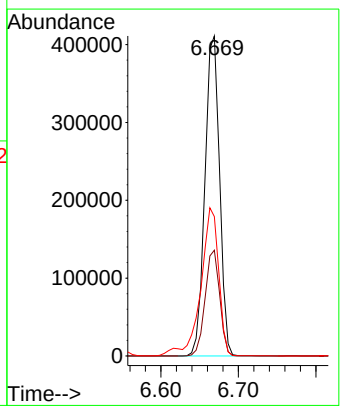


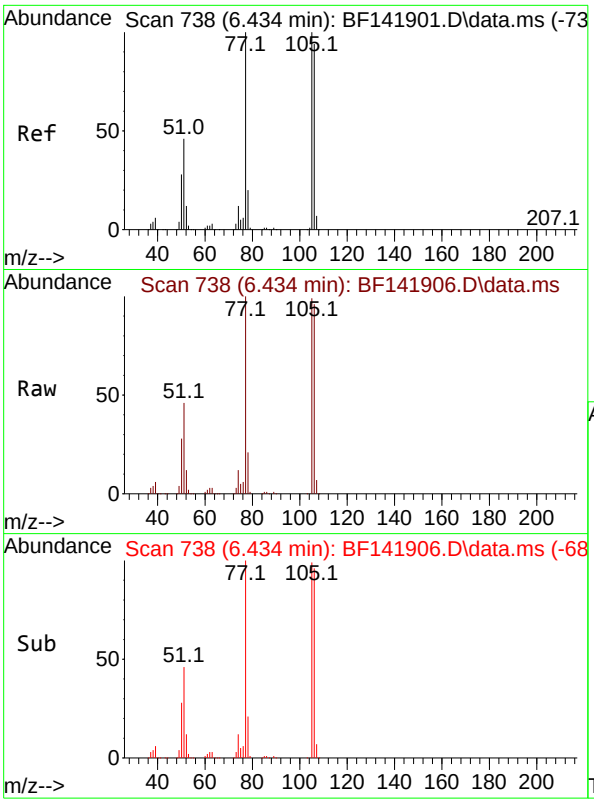


#8
2-Chlorophenol
Concen: 38.721 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:128 Resp: 539701

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.8	52.8
64	43.6	24.4	64.4



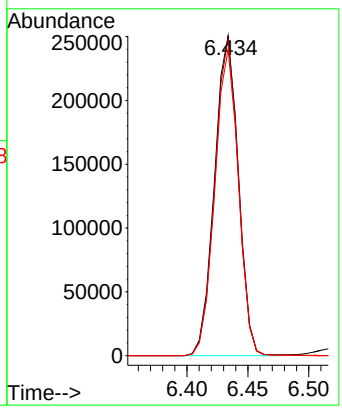


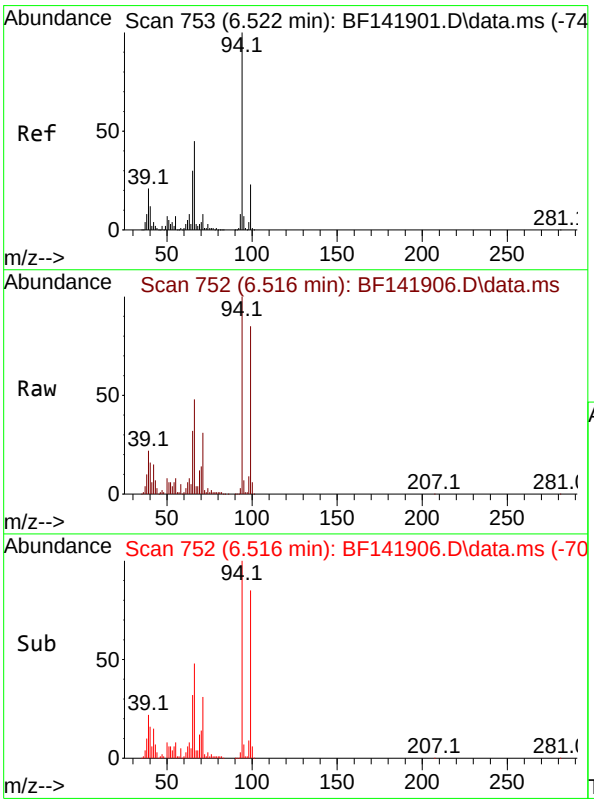
#9
Benzaldehyde
Concen: 37.950 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 77 Resp: 339615

Ion	Ratio	Lower	Upper
77	100		
105	99.2	80.0	120.0
106	95.7	74.5	114.5

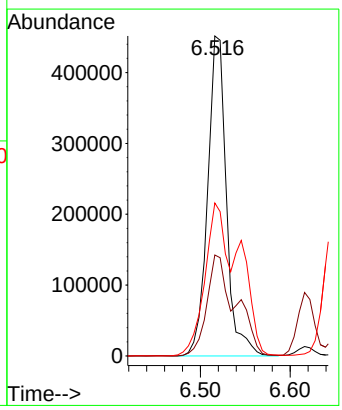


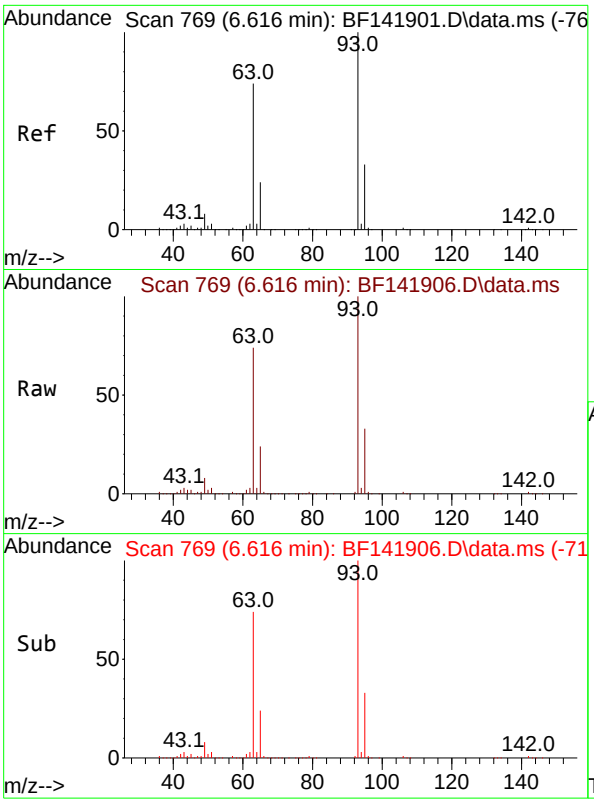


#10
Phenol
Concen: 39.115 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 94 Resp: 658449

Ion	Ratio	Lower	Upper
94	100		
65	31.6	10.5	50.5
66	47.8	25.8	65.8



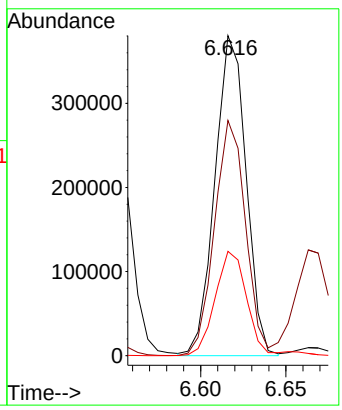


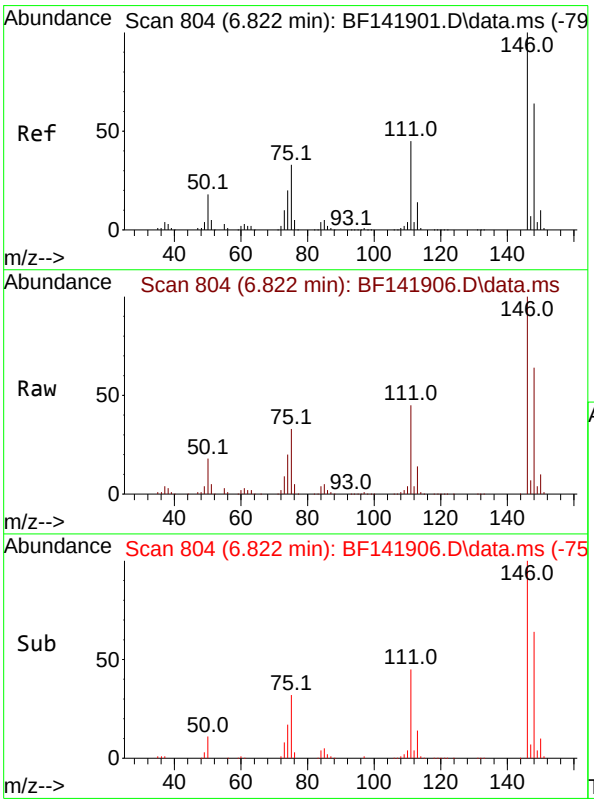
#11
bis(2-Chloroethyl)ether
Concen: 38.246 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 93 Resp: 483438

Ion	Ratio	Lower	Upper
93	100		
63	73.5	53.0	93.0
95	32.6	12.9	52.9

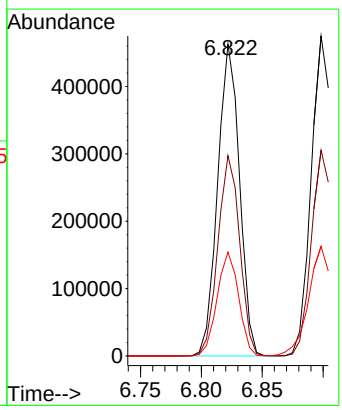


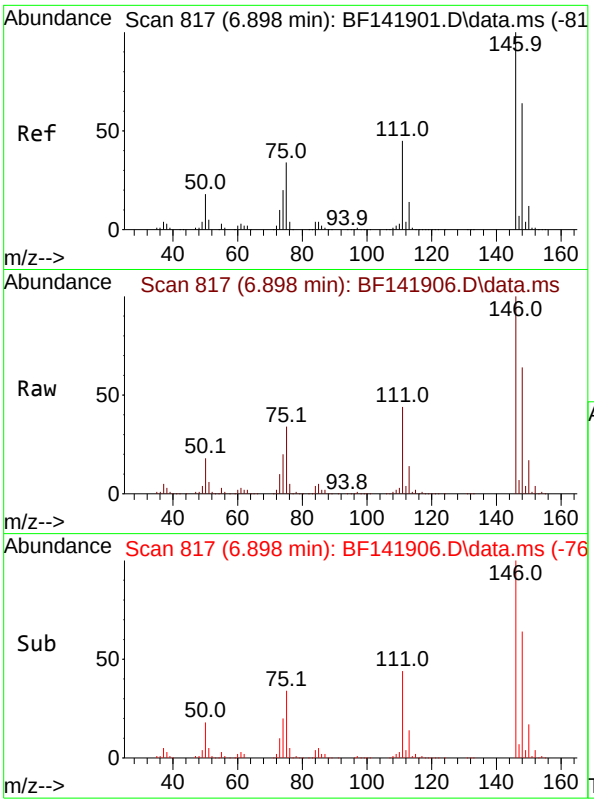


#12
1,3-Dichlorobenzene
Concen: 38.391 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:146 Resp: 577700

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.3	76.9
75	33.3	26.6	40.0



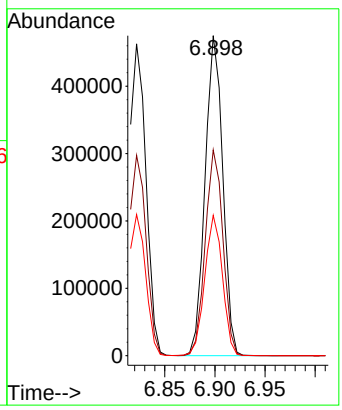


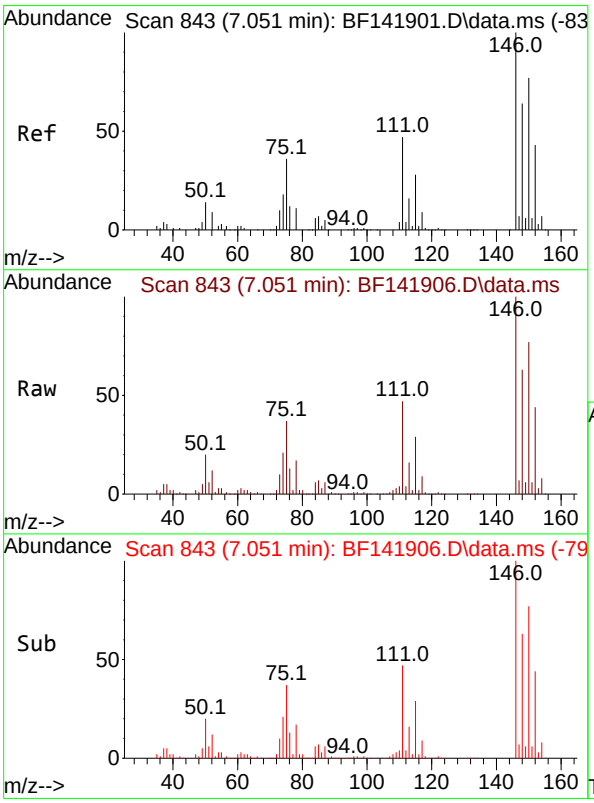
#13
1,4-Dichlorobenzene
Concen: 38.366 ng
RT: 6.898 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:146 Resp: 584132

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.6
111	43.8	35.7	53.5

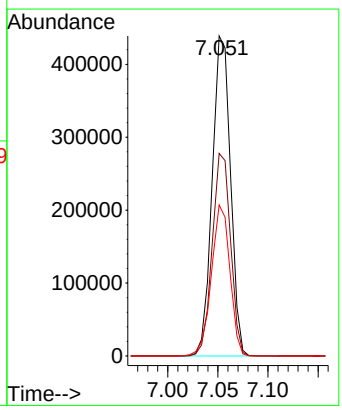


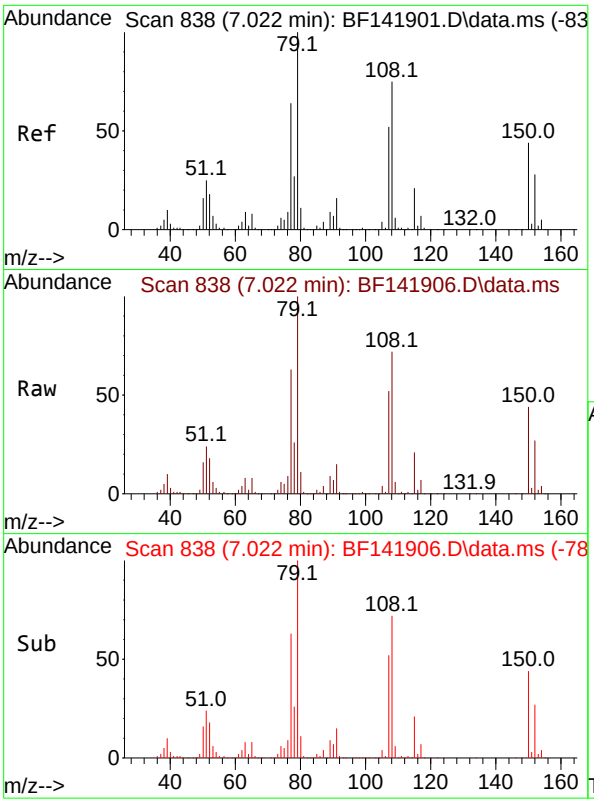


#14
1,2-Dichlorobenzene
Concen: 38.744 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:146 Resp: 555621

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.8	76.2
111	47.2	38.0	57.0



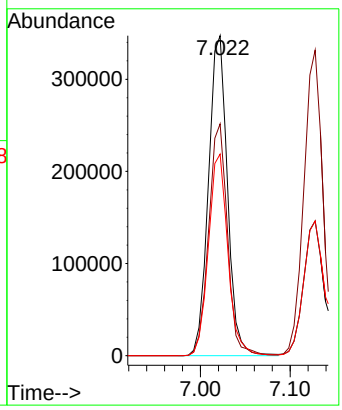


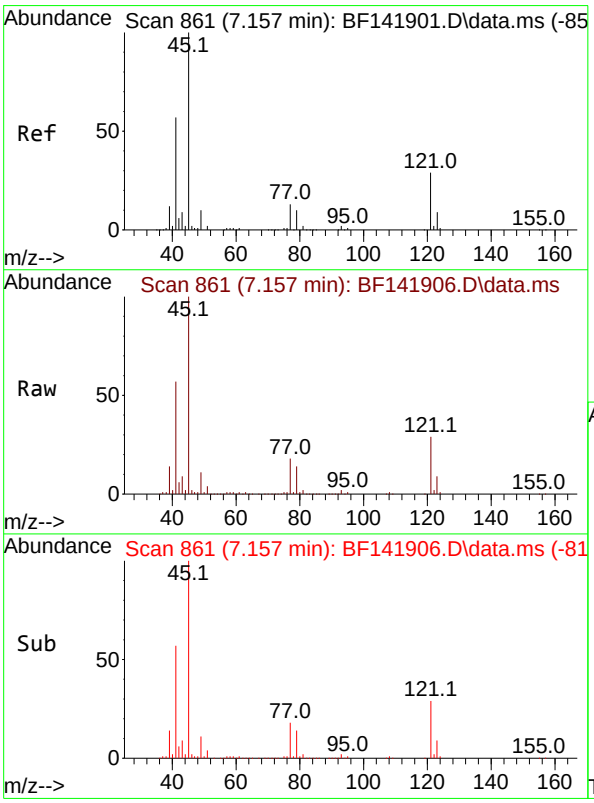
#15
Benzyl Alcohol
Concen: 39.408 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 79 Resp: 509792

Ion	Ratio	Lower	Upper
79	100		
108	72.4	59.7	89.5
77	63.0	51.0	76.6

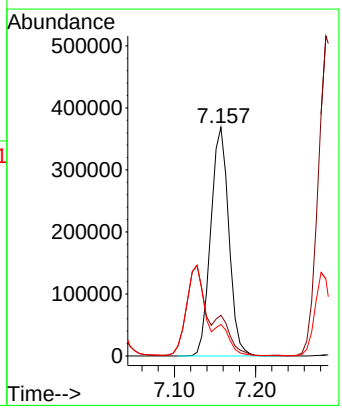


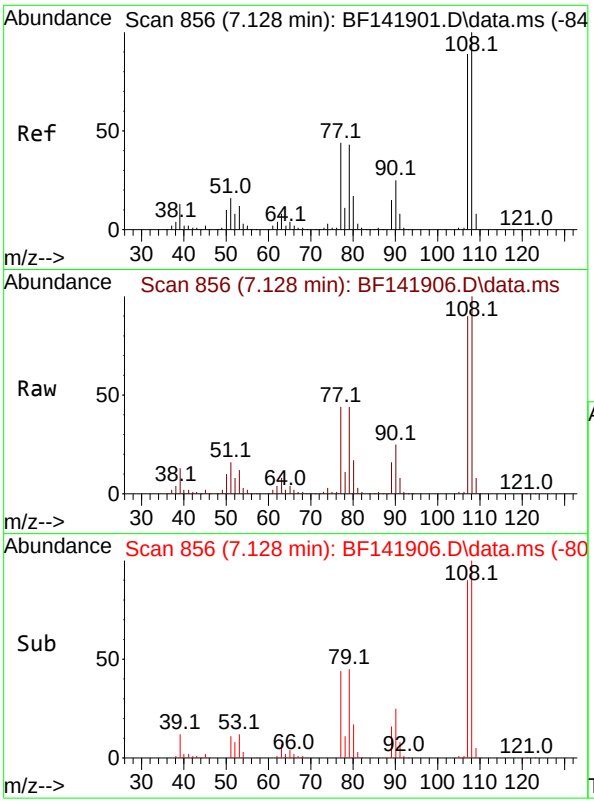


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.338 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 45 Resp: 569783

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.8
79	13.8	0.0	34.2



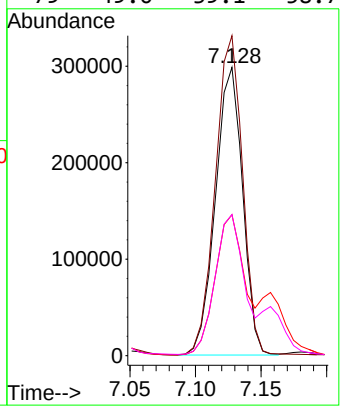


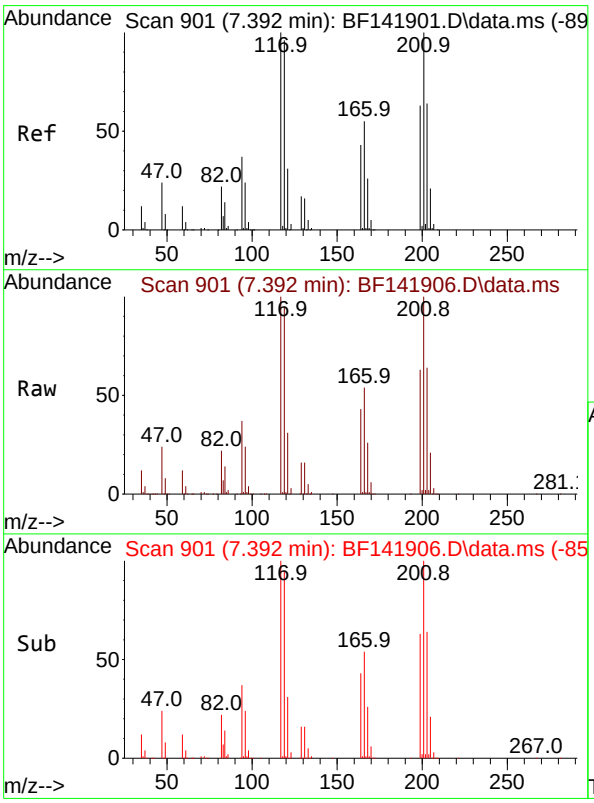
#17
2-Methylphenol
Concen: 38.775 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:107 Resp: 429715

Ion	Ratio	Lower	Upper
107	100		
108	111.0	90.2	135.2
77	48.9	39.6	59.4
79	49.0	39.1	58.7

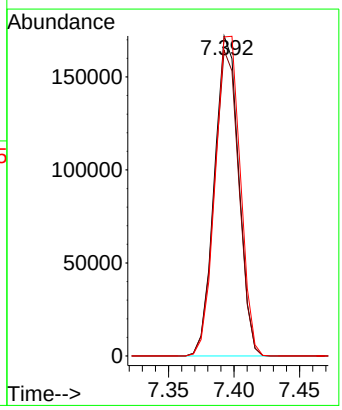


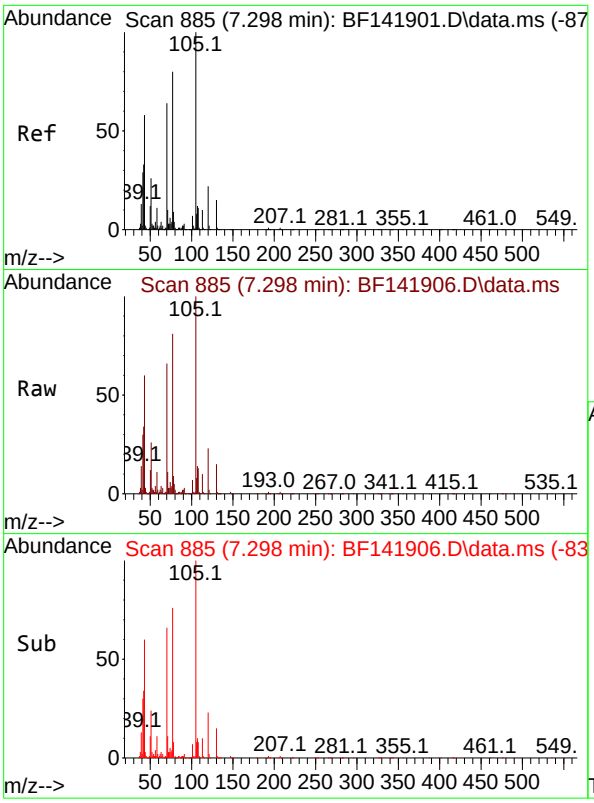


#18
Hexachloroethane
Concen: 38.797 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:117 Resp: 221507

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.9	115.3
201	99.7	79.9	119.9



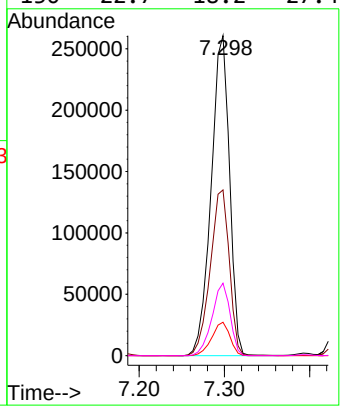


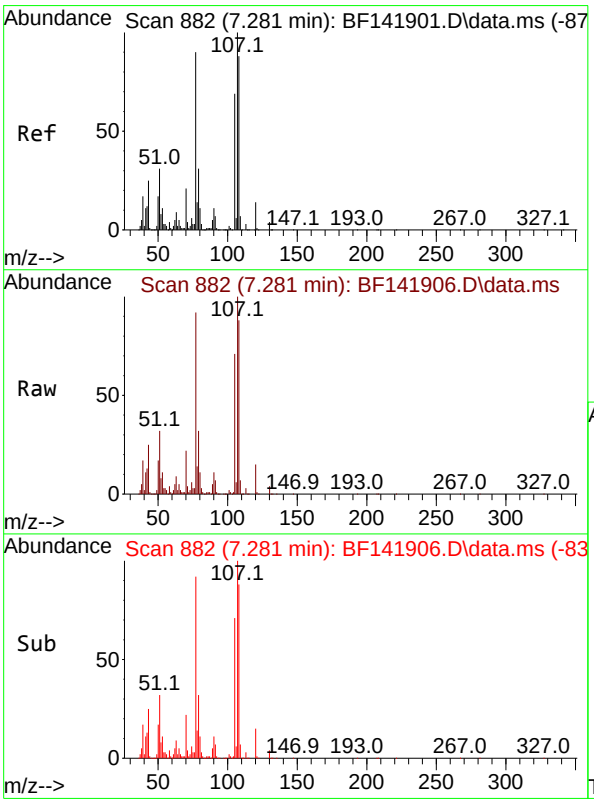
#19
n-Nitroso-di-n-propylamine
Concen: 38.038 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 70 Resp: 391096

Ion	Ratio	Lower	Upper
70	100		
42	51.8	41.4	62.0
101	10.5	8.2	12.2
130	22.7	18.2	27.4

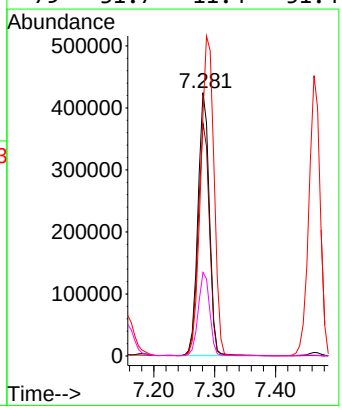


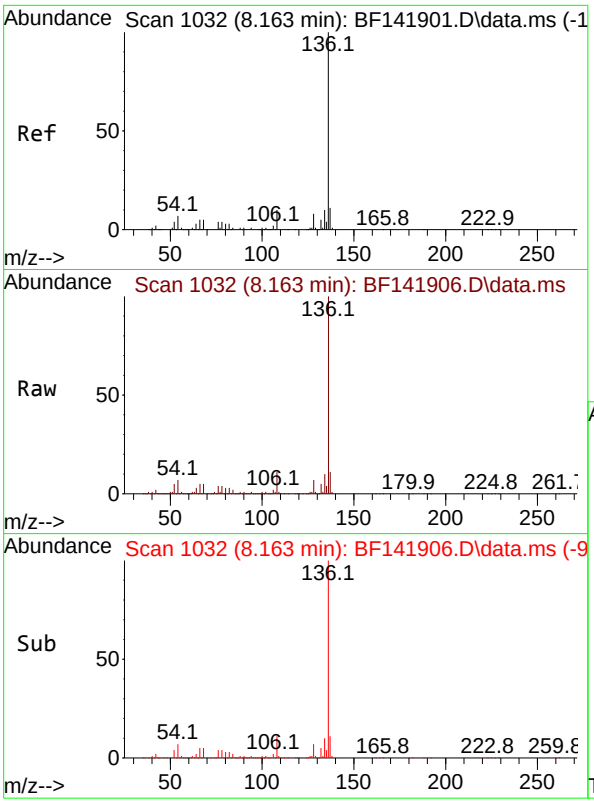


#20
3+4-Methylphenols
Concen: 38.619 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:107 Resp: 548208

Ion	Ratio	Lower	Upper
107	100		
108	88.3	68.4	108.4
77	91.7	69.7	109.7
79	31.7	11.4	51.4



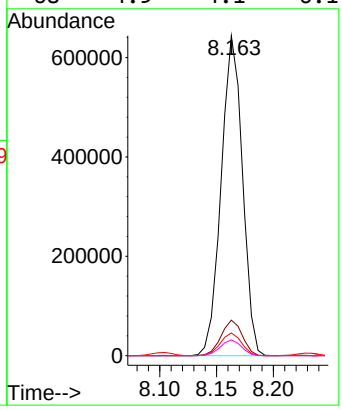


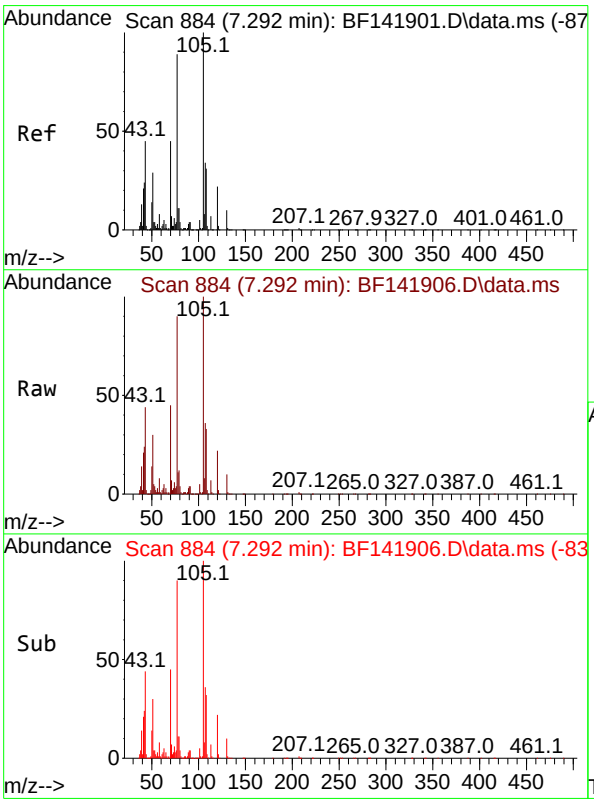
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:136 Resp: 840616

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.1	5.8	8.8
68	4.9	4.1	6.1

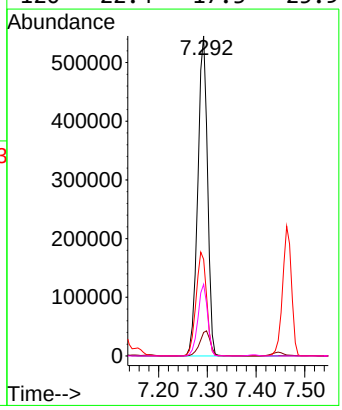


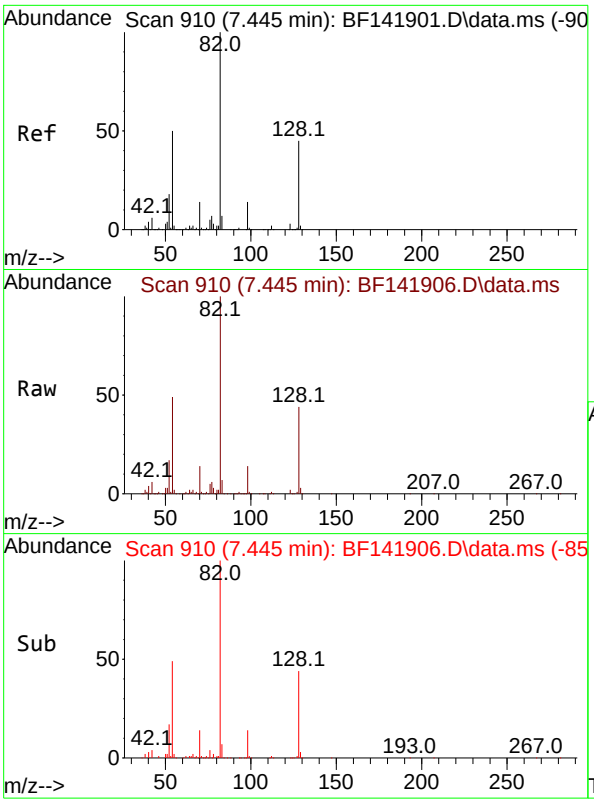


#22
Acetophenone
Concen: 37.650 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:105 Resp: 757917

Ion	Ratio	Lower	Upper
105	100		
71	7.4	5.8	8.8
51	30.2	23.4	35.0
120	22.4	17.3	25.9



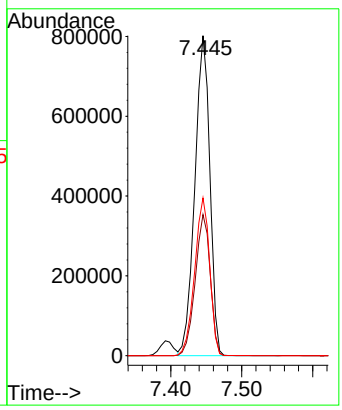


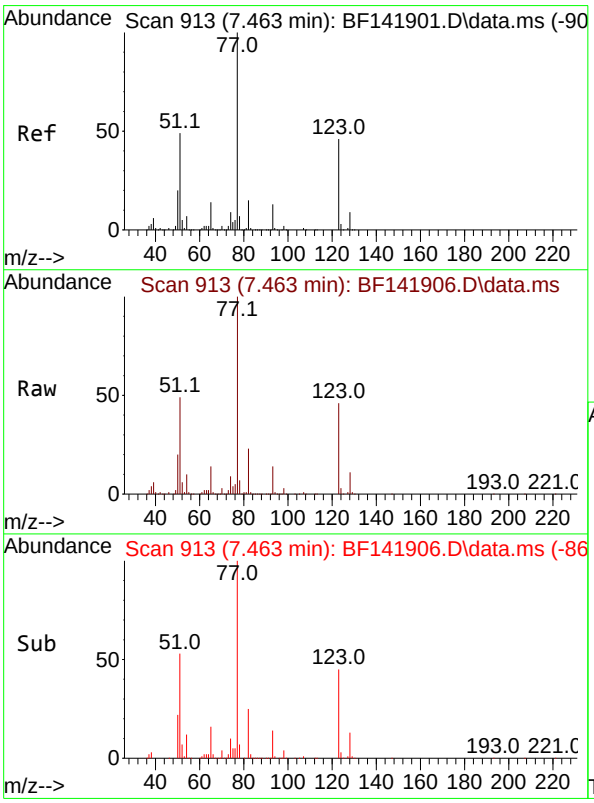
#23
Nitrobenzene-d5
Concen: 78.962 ng
RT: 7.445 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 82 Resp: 1179480

Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.0	54.0
54	49.3	39.6	59.4

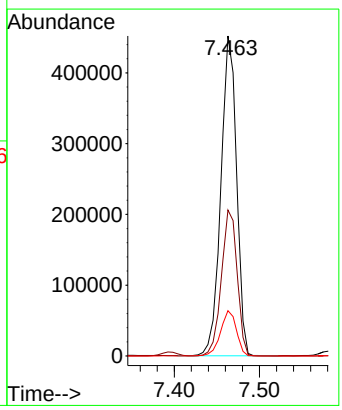


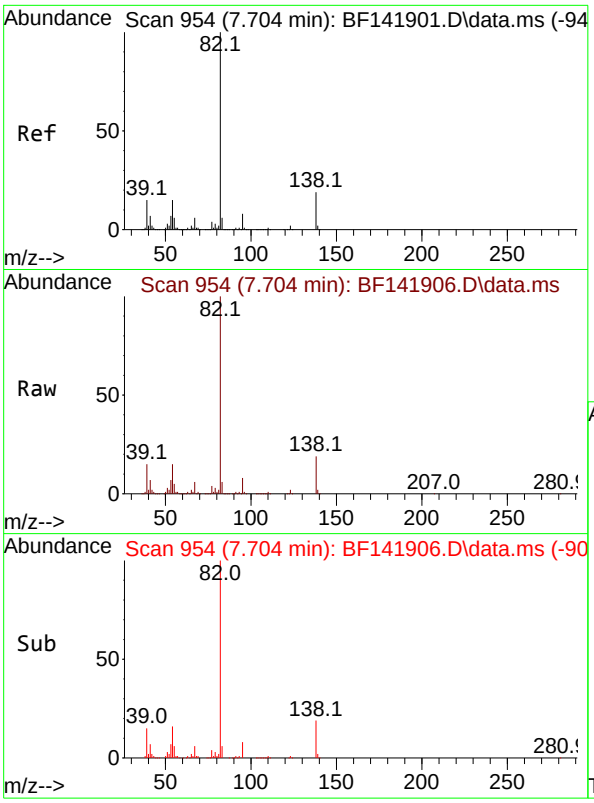


#24
Nitrobenzene
Concen: 38.980 ng
RT: 7.463 min Scan# 913
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 77 Resp: 578836

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.0	55.4
65	14.2	11.3	16.9



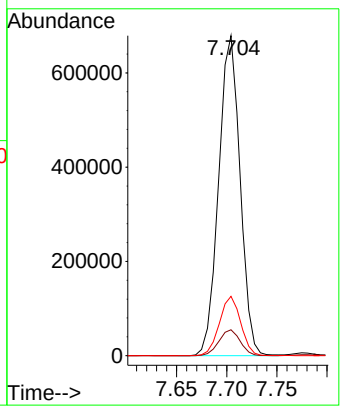


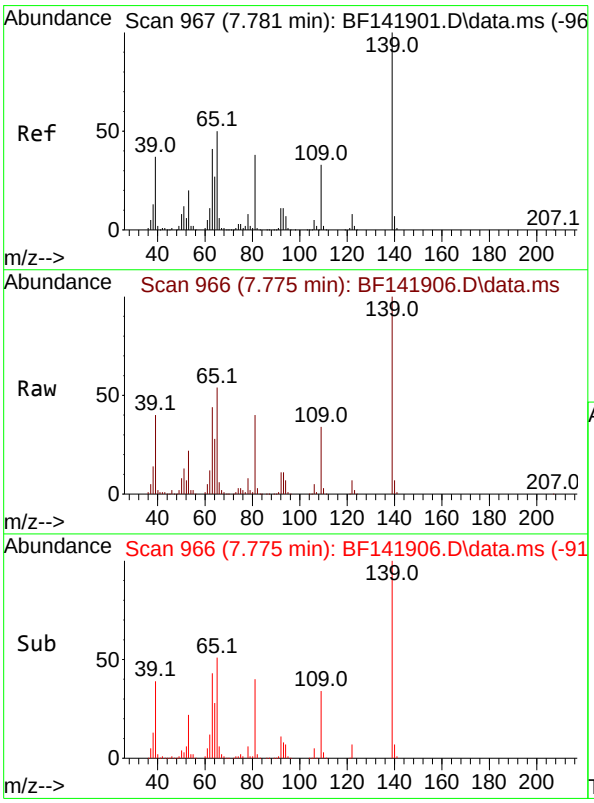
#25
Isophorone
Concen: 38.163 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 82 Resp: 1007659

Ion	Ratio	Lower	Upper
82	100		
95	8.1	6.4	9.6
138	18.6	14.9	22.3

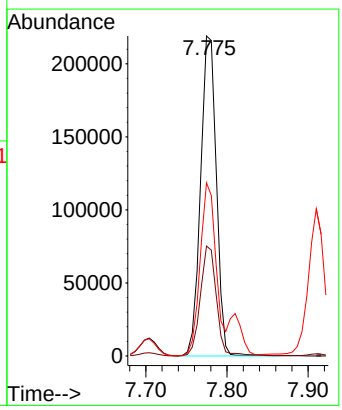


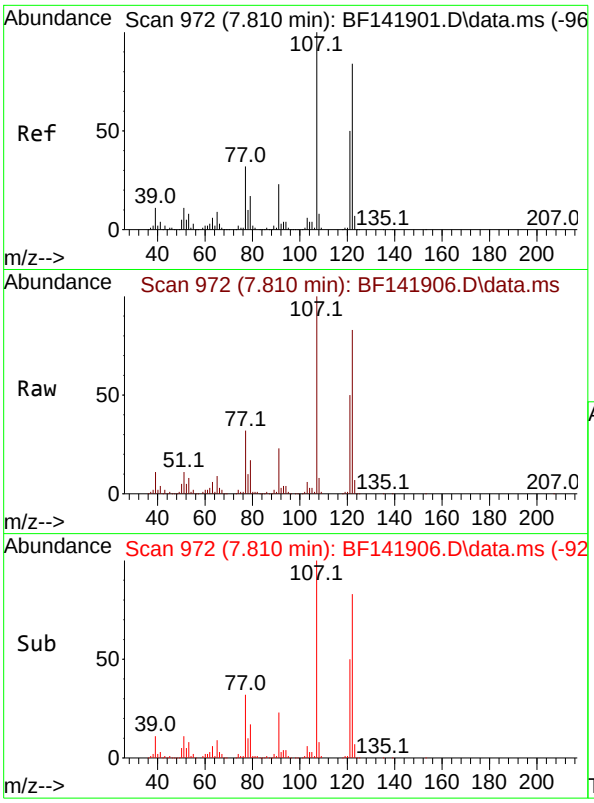


#26
2-Nitrophenol
Concen: 40.429 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:139 Resp: 294657

Ion	Ratio	Lower	Upper
139	100		
109	34.3	26.5	39.7
65	54.1	40.3	60.5



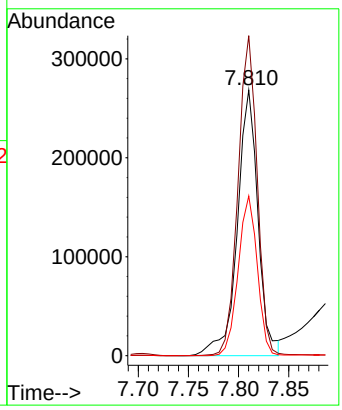


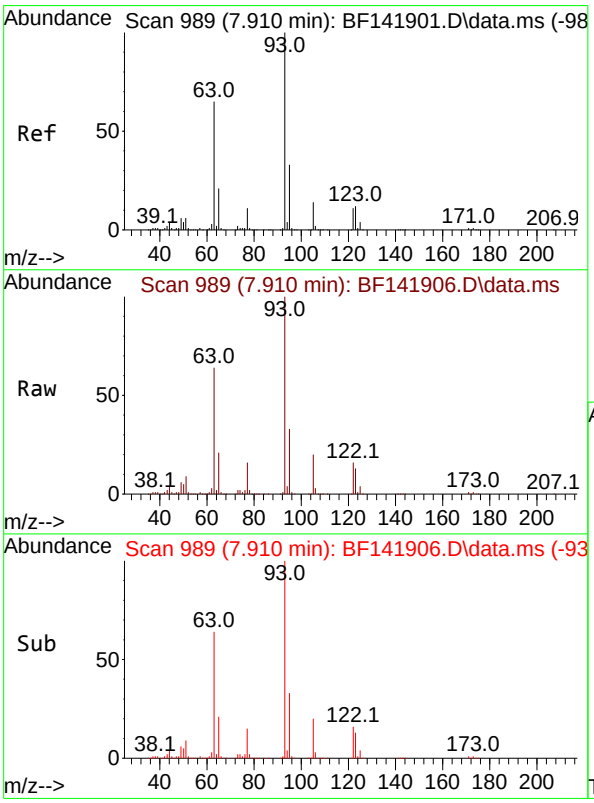
#27
2,4-Dimethylphenol
Concen: 38.414 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:122 Resp: 385504

Ion	Ratio	Lower	Upper
122	100		
107	120.5	94.8	142.2
121	60.1	47.8	71.6

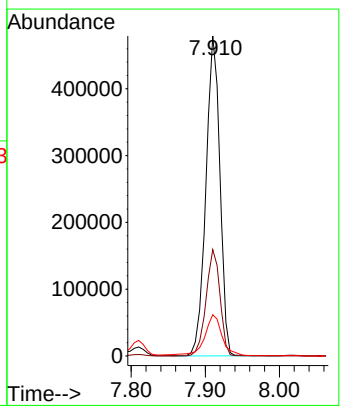


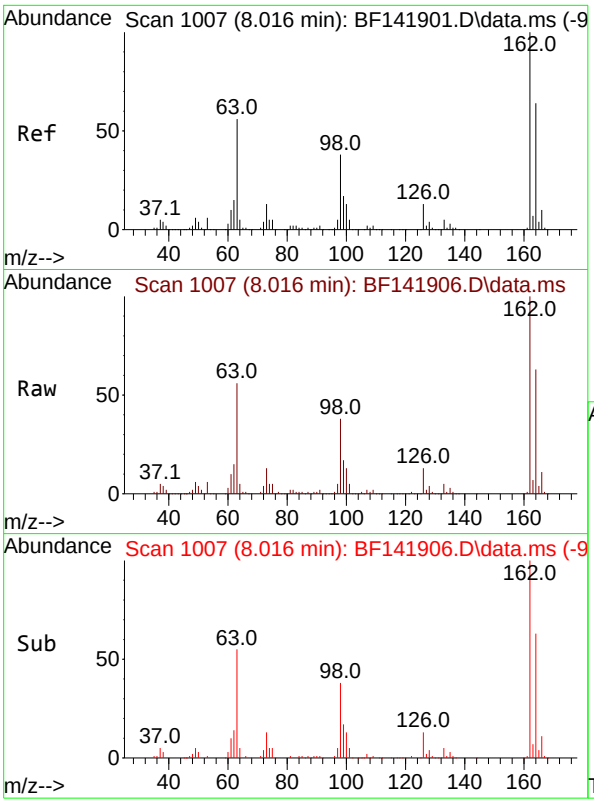


#28
bis(2-Chloroethoxy)methane
Concen: 37.943 ng
RT: 7.910 min Scan# 989
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 93 Resp: 628379

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.6	40.0
123	12.9	10.2	15.4



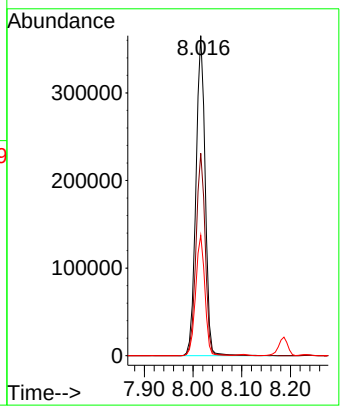


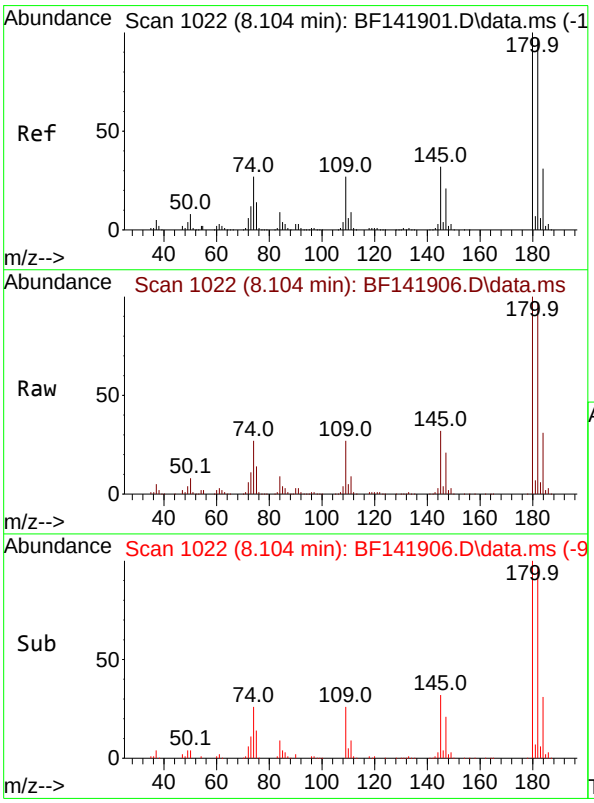
#29
2,4-Dichlorophenol
Concen: 38.952 ng
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:162 Resp: 485205

Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.8	83.8
98	37.6	18.1	58.1

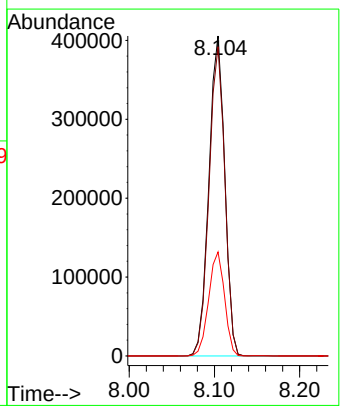


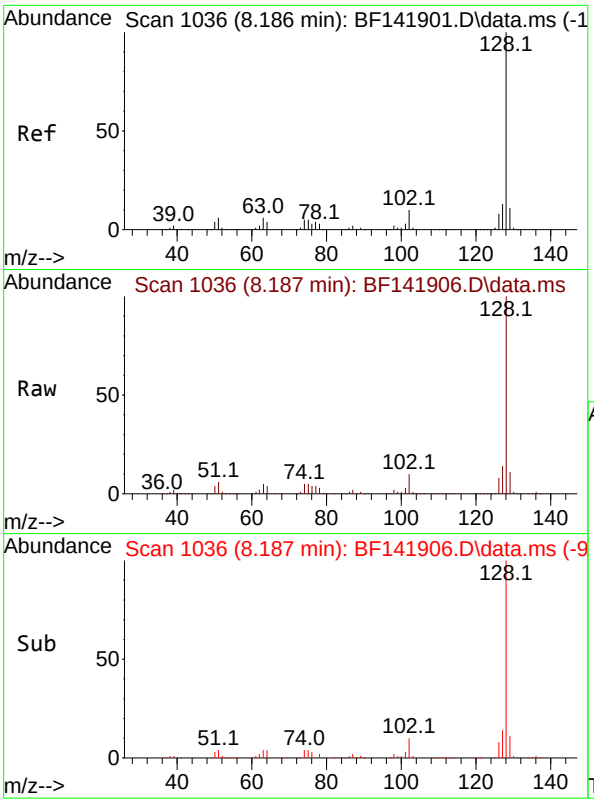


#30
1,2,4-Trichlorobenzene
Concen: 38.336 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:180 Resp: 526250

Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.5	116.3
145	32.5	25.8	38.6



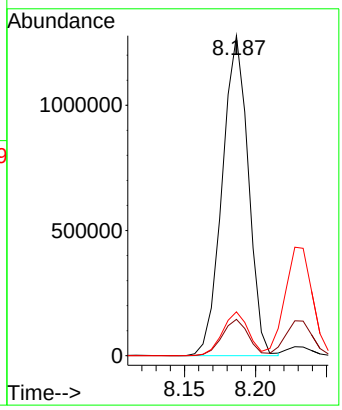


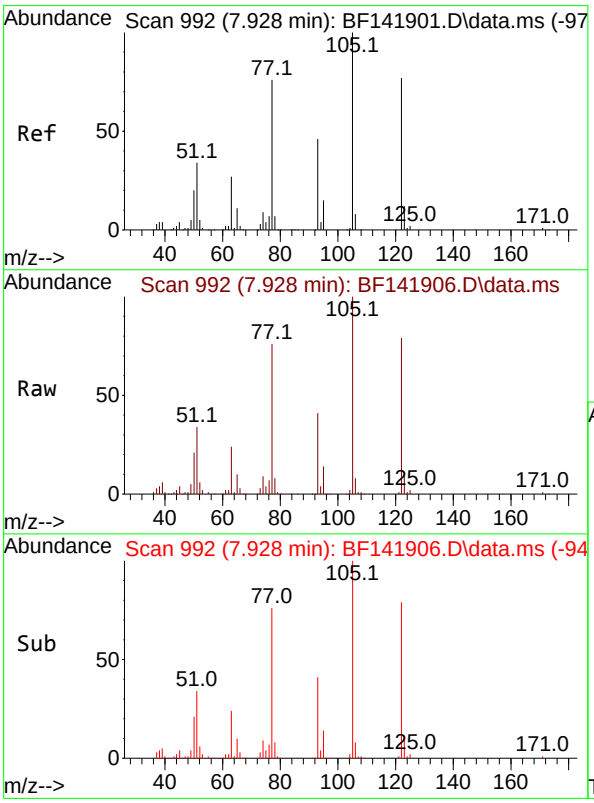
#31
Naphthalene
Concen: 37.827 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:128 Resp: 1633401

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.7	10.8	16.2

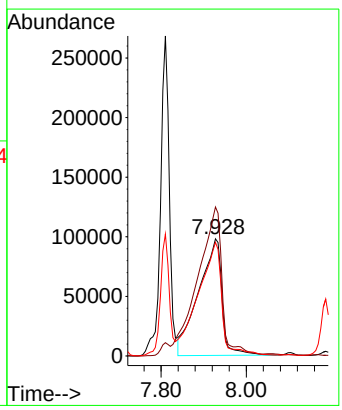


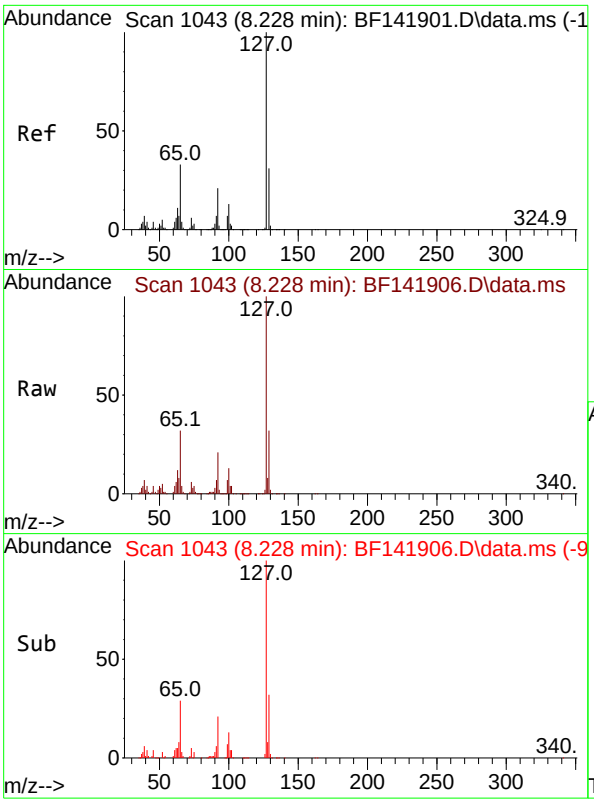


#32
Benzoic acid
Concen: 42.303 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:122 Resp: 373179

Ion	Ratio	Lower	Upper
122	100		
105	127.1	107.9	147.9
77	97.0	79.0	119.0



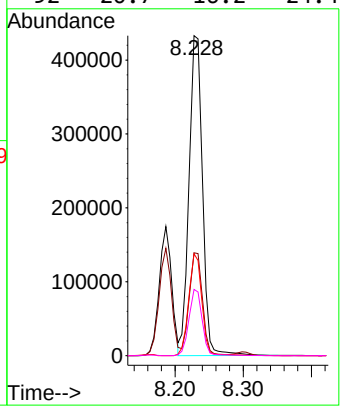


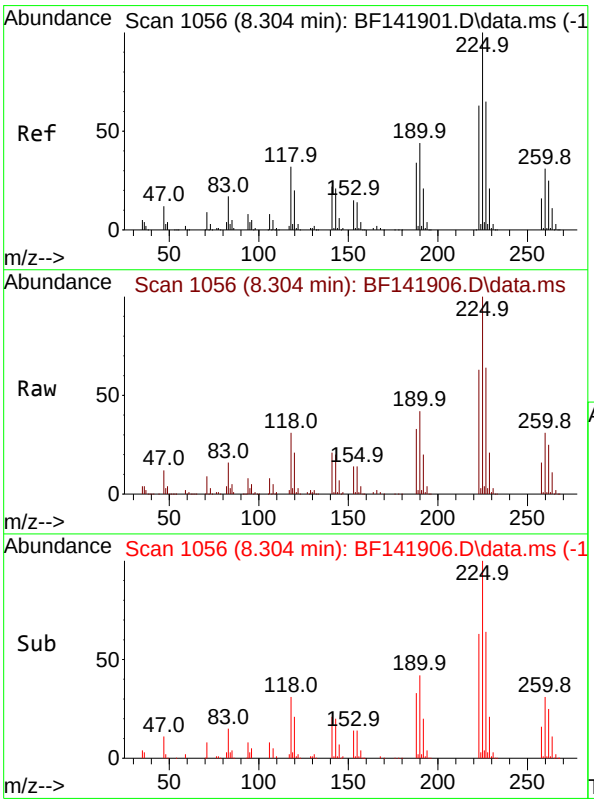
#33
4-Chloroaniline
Concen: 38.847 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:127 Resp: 592172

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.2	39.4
65	31.9	25.4	38.2
92	20.7	16.2	24.4

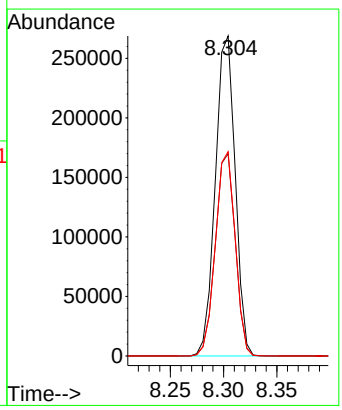


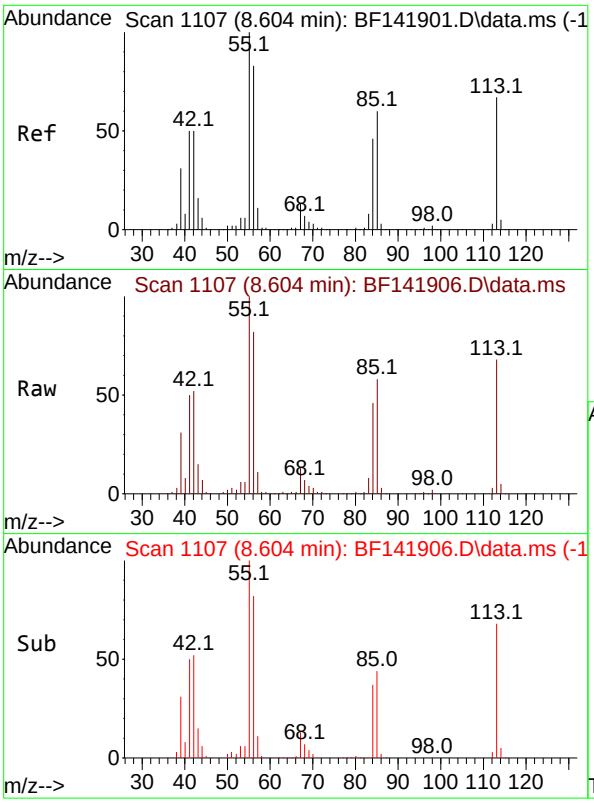


#34
Hexachlorobutadiene
Concen: 38.849 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:225 Resp: 347789

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	63.8	52.2	78.2



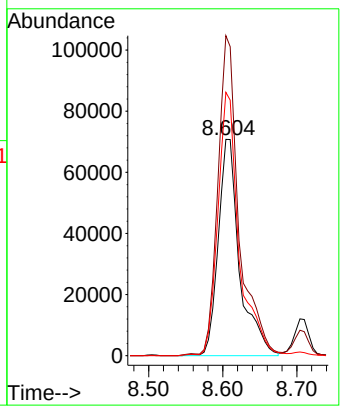


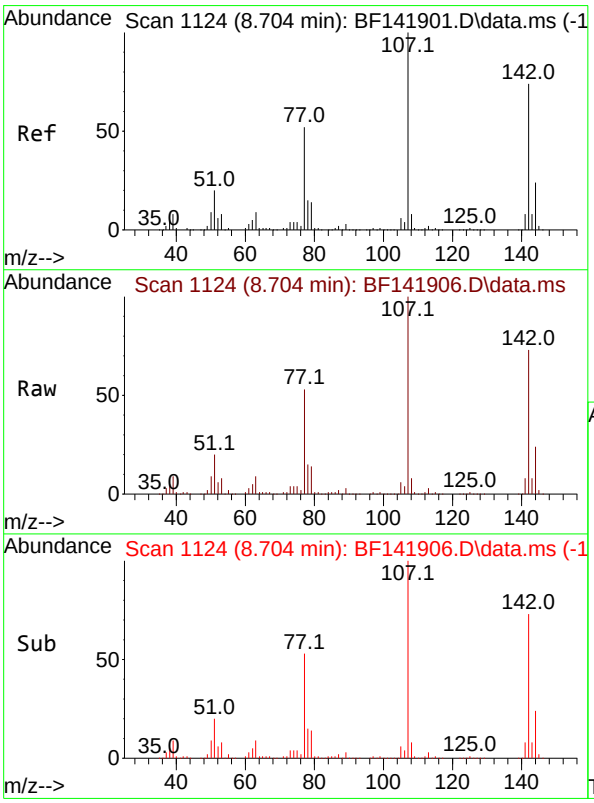
#35
Caprolactam
Concen: 37.276 ng
RT: 8.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:113 Resp: 141562

Ion	Ratio	Lower	Upper
113	100		
55	148.0	129.6	169.6
56	121.8	104.0	144.0

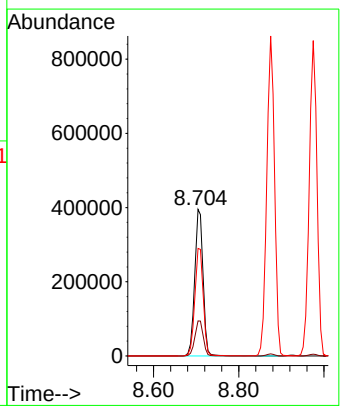


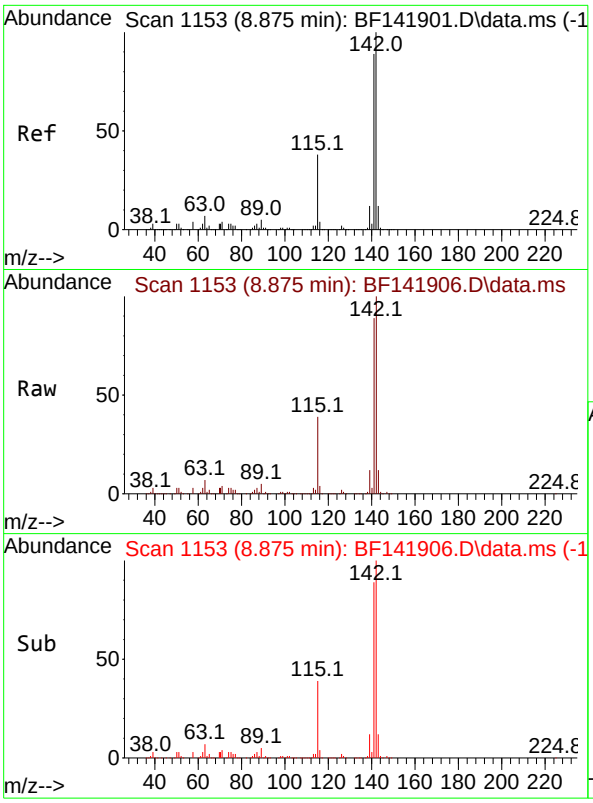


#36
4-Chloro-3-methylphenol
Concen: 38.550 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:107 Resp: 535661

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.0	28.6
142	73.3	59.2	88.8



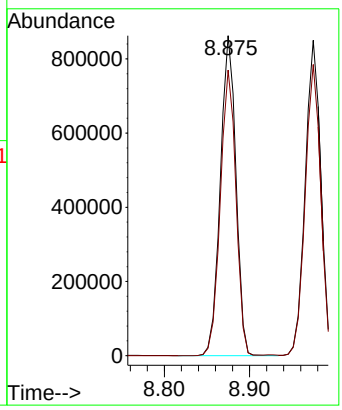


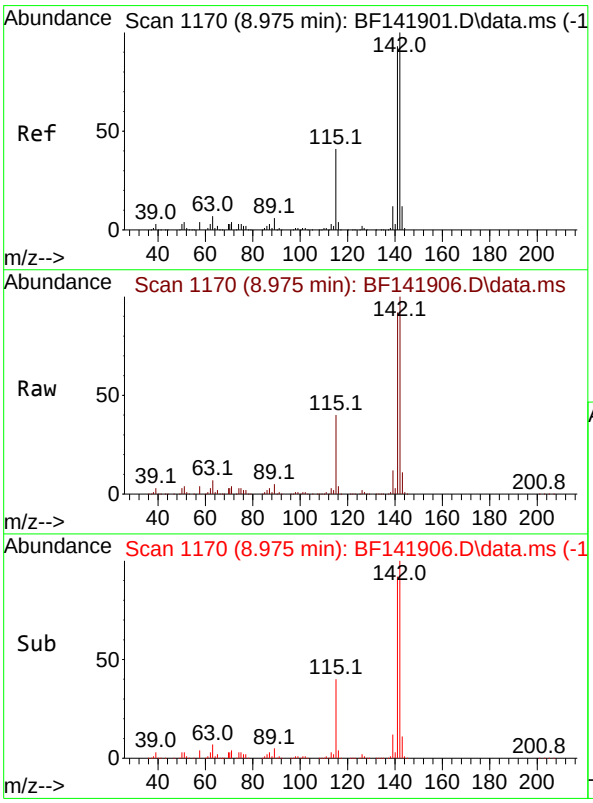
#37
2-Methylnaphthalene
Concen: 37.935 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:142 Resp: 1094895

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.2	106.8

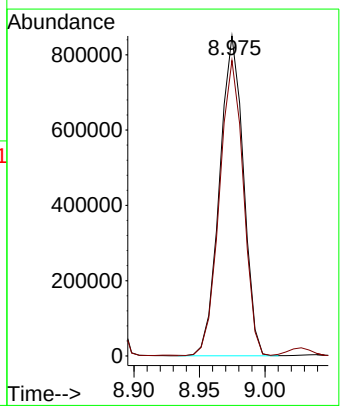


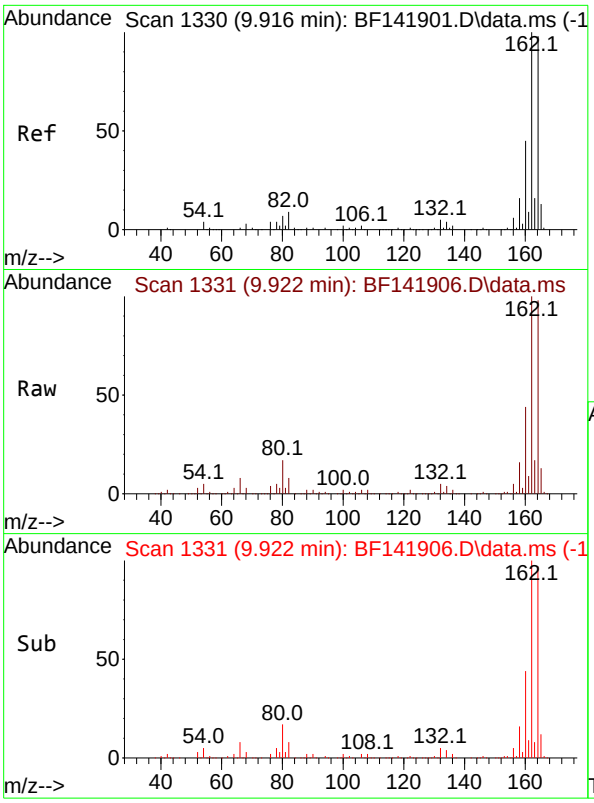


#38
1-Methylnaphthalene
Concen: 38.484 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:142 Resp: 1071850

Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.2	111.4



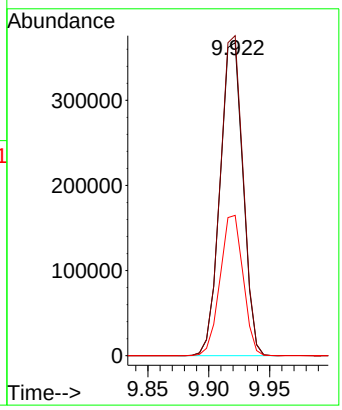


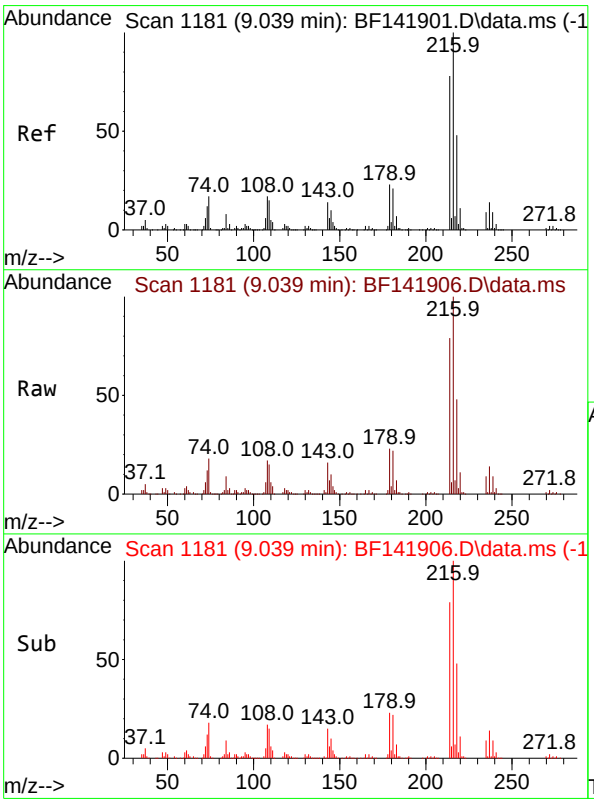
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:164 Resp: 483165

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.6
160	44.8	36.7	55.1

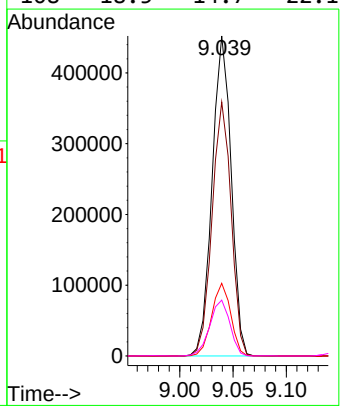


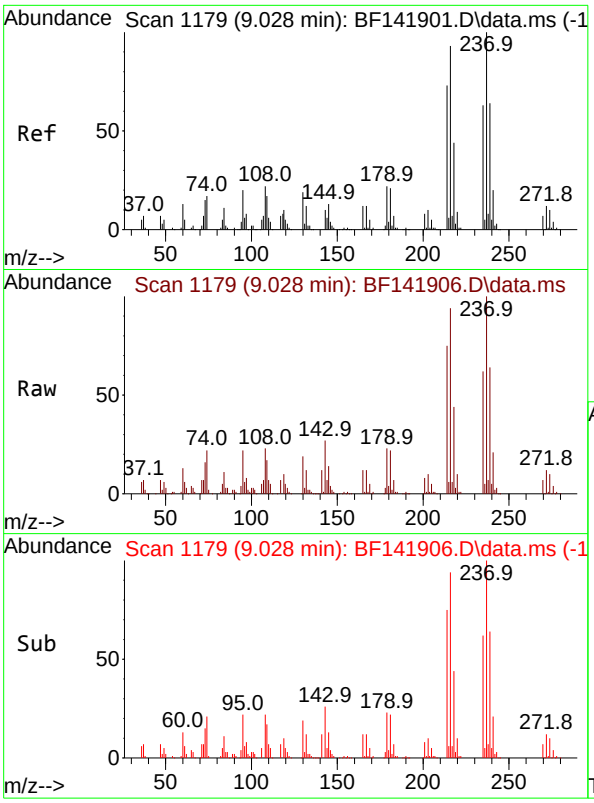


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.191 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:216 Resp: 561804

Ion	Ratio	Lower	Upper
216	100		
214	79.2	61.9	92.9
179	22.7	18.1	27.1
108	18.5	14.7	22.1



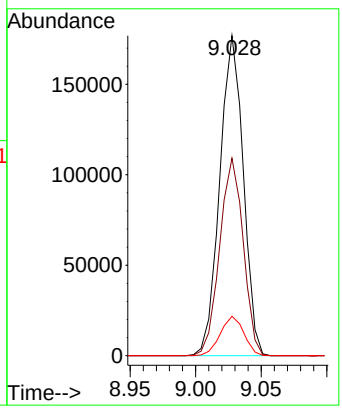


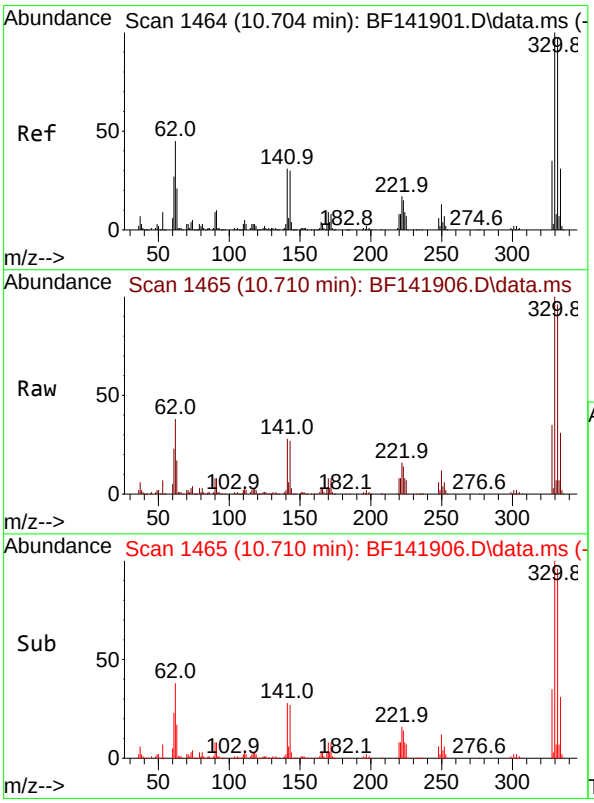
#41
Hexachlorocyclopentadiene
Concen: 38.281 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:237 Resp: 220386

Ion	Ratio	Lower	Upper
237	100		
235	61.7	43.1	83.1
272	12.3	0.0	32.0

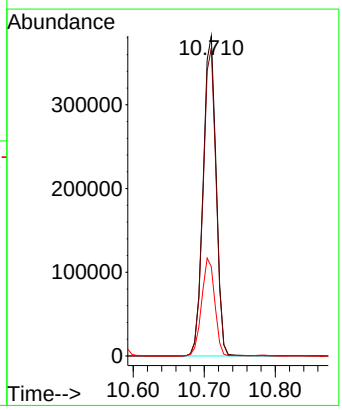


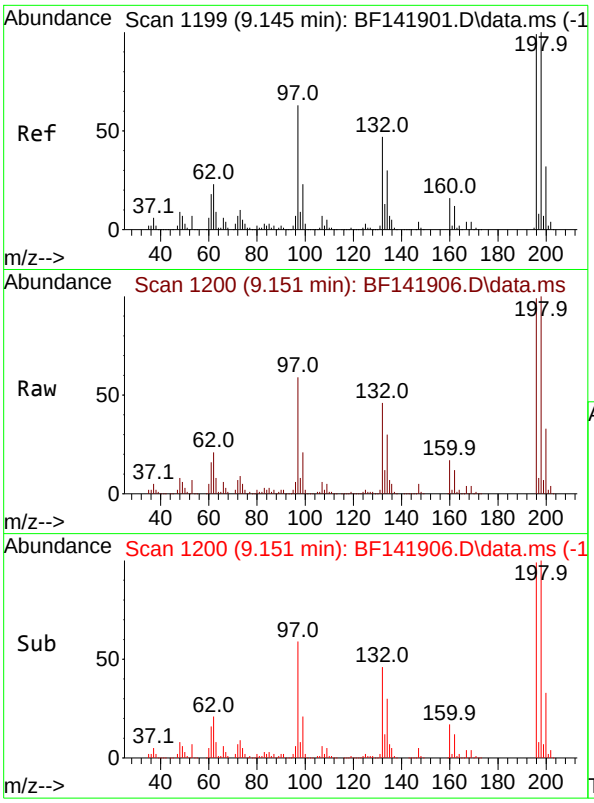


#42
2,4,6-Tribromophenol
Concen: 79.342 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:330 Resp: 486334

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.6	116.4
141	30.9	24.7	37.1



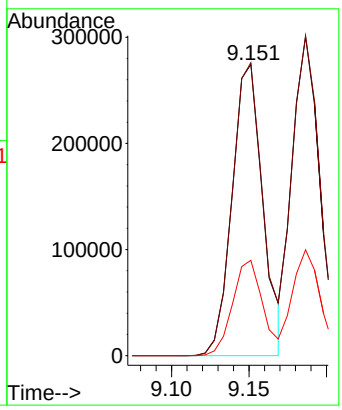


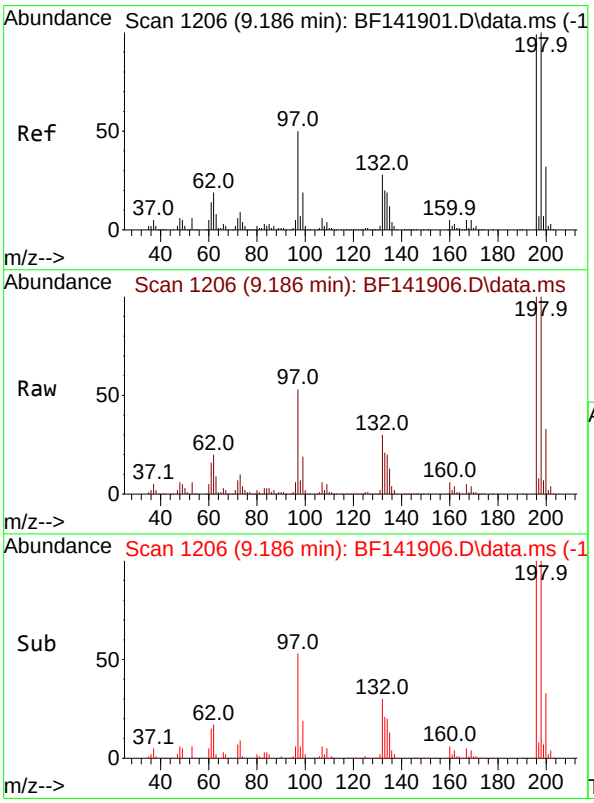
#43
2,4,6-Trichlorophenol
Concen: 39.292 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:196 Resp: 377743

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.6	121.0
200	32.8	25.8	38.6

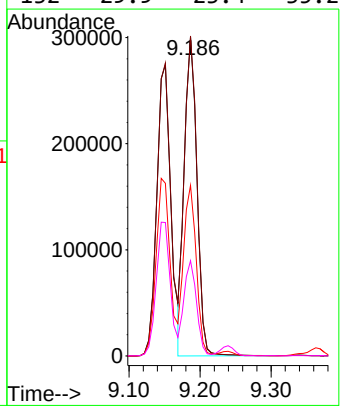


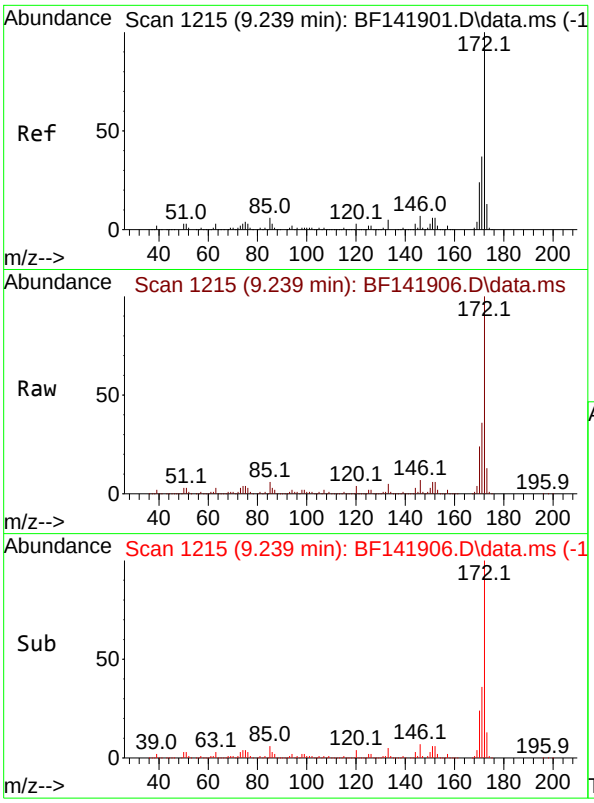


#44
2,4,5-Trichlorophenol
Concen: 38.263 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:196 Resp: 372564

Ion	Ratio	Lower	Upper
196	100		
198	100.3	80.7	121.1
97	53.5	42.1	63.1
132	29.9	23.4	35.2



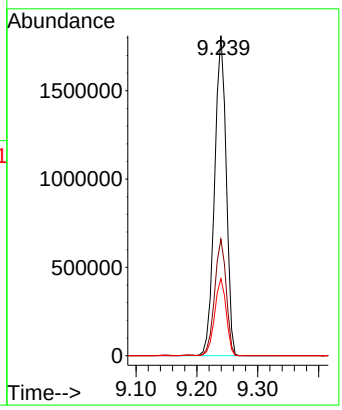


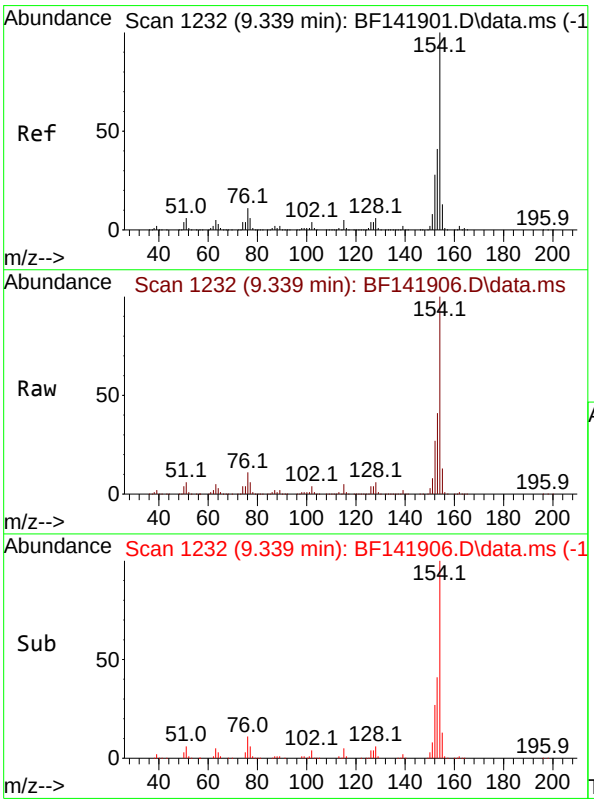
#45
2-Fluorobiphenyl
Concen: 75.528 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:172 Resp: 2399526

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.3	43.9
170	24.1	19.4	29.0

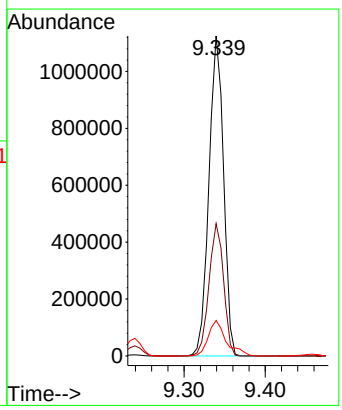


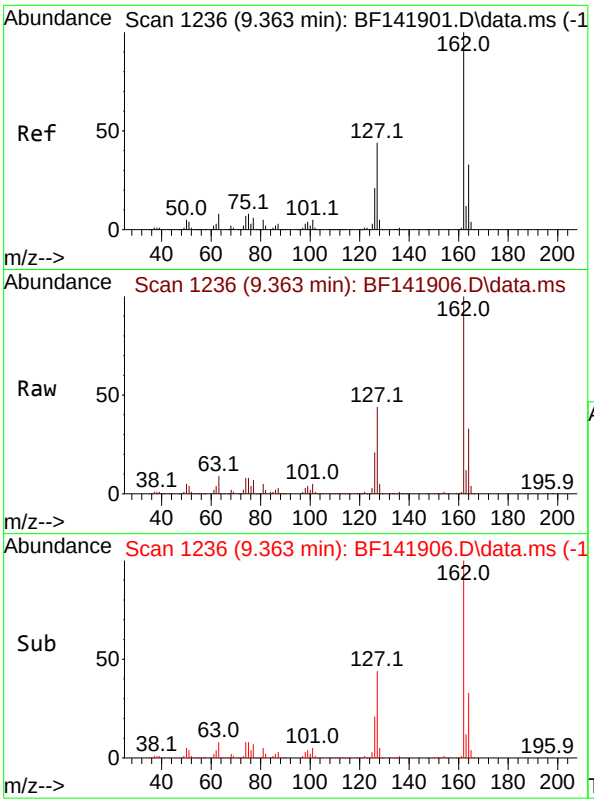


#46
1,1'-Biphenyl
Concen: 38.182 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:154 Resp: 1401736

Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.1	61.1
76	11.1	0.0	31.3



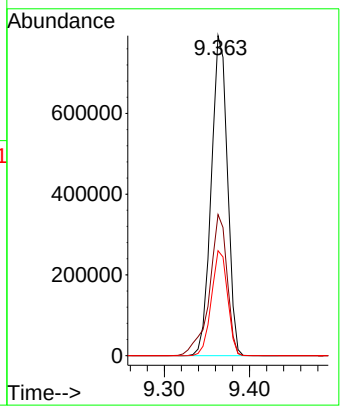


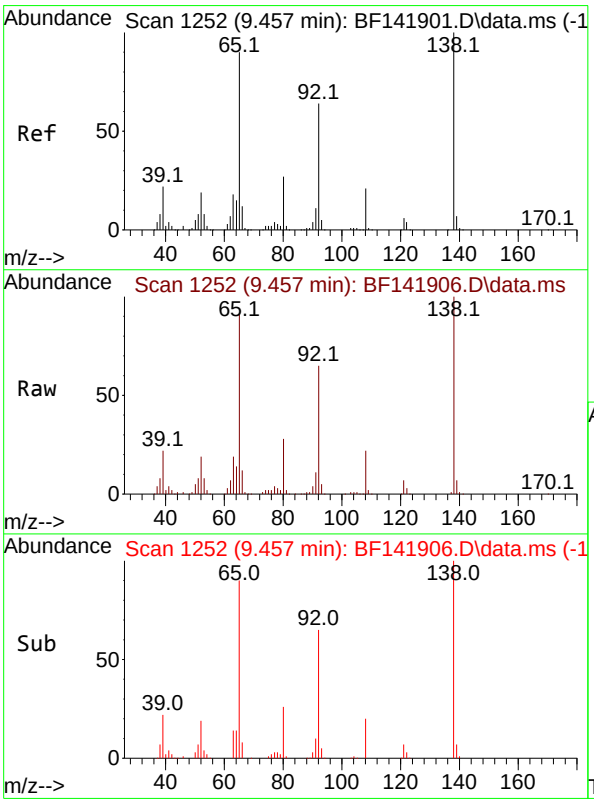
#47
2-Chloronaphthalene
Concen: 38.090 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:162 Resp: 1042241

Ion	Ratio	Lower	Upper
162	100		
127	44.1	35.5	53.3
164	32.8	26.6	40.0

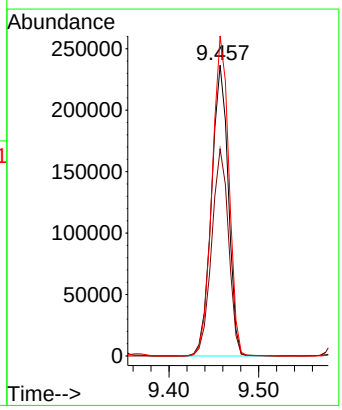


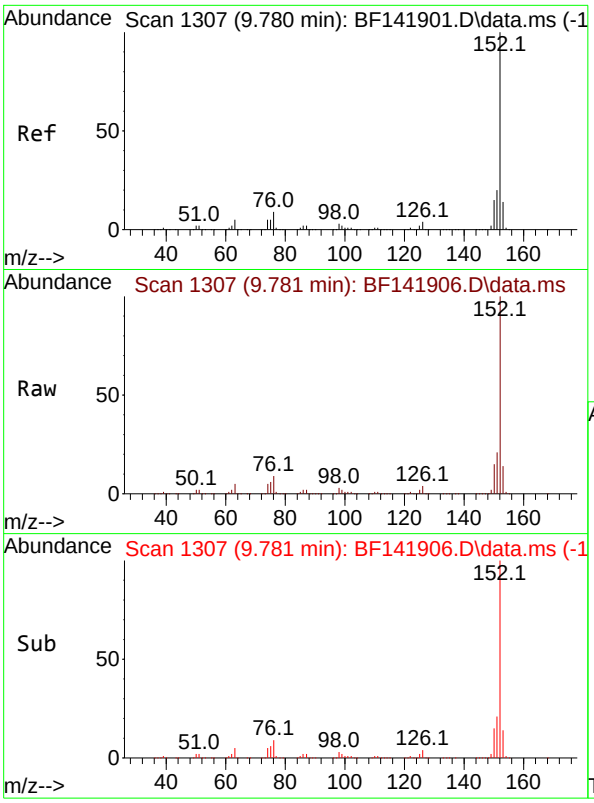


#48
2-Nitroaniline
Concen: 38.908 ng
RT: 9.457 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 65 Resp: 308259

Ion	Ratio	Lower	Upper
65	100		
92	71.2	56.6	84.8
138	110.1	88.6	133.0



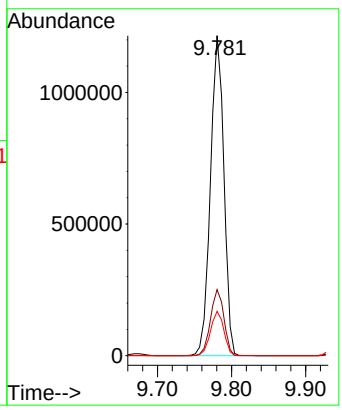


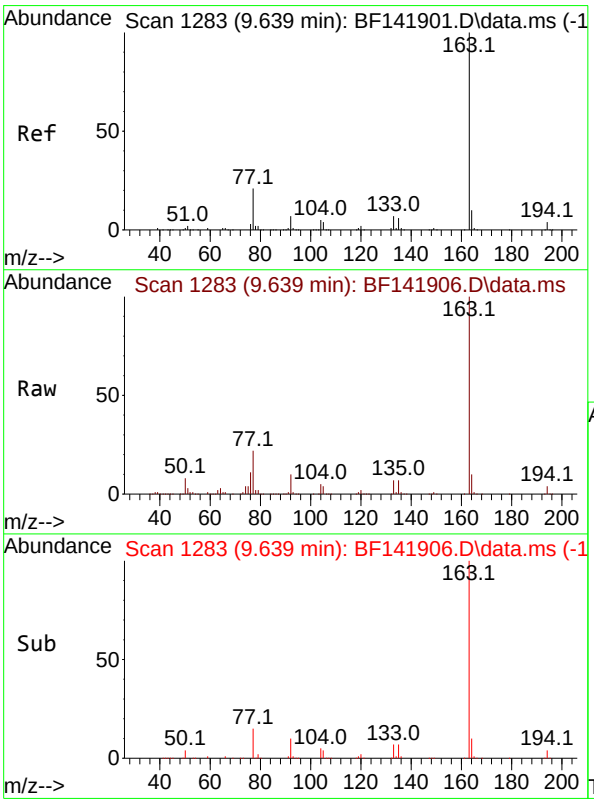
#49
Acenaphthylene
Concen: 37.725 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:152 Resp: 1531852

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.9	11.1	16.7

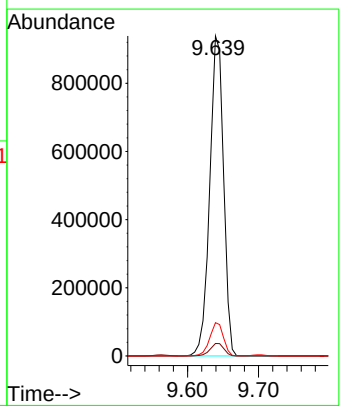


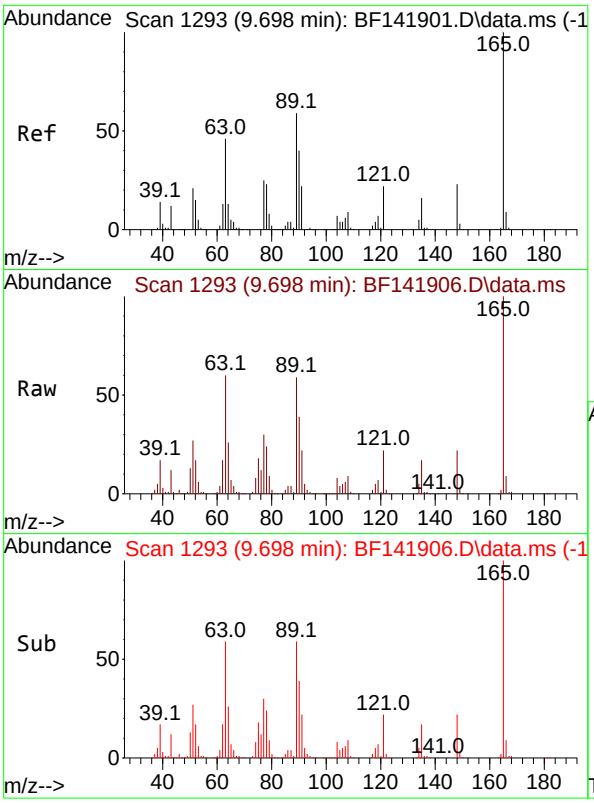


#50
Dimethylphthalate
Concen: 37.611 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:163 Resp: 1272572

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.2	12.4



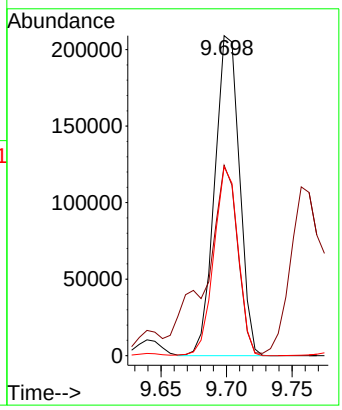


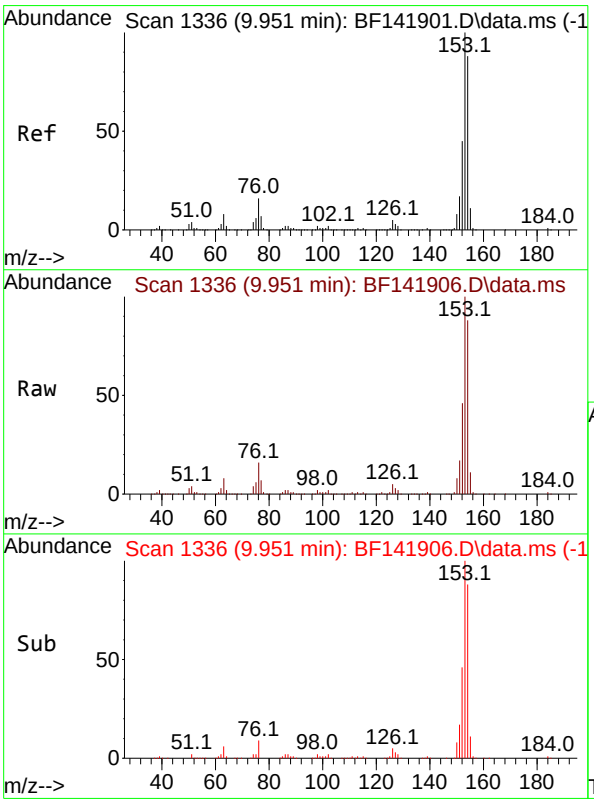
#51
2,6-Dinitrotoluene
Concen: 38.970 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:165 Resp: 274531

Ion	Ratio	Lower	Upper
165	100		
63	59.5	47.0	70.4
89	59.1	47.4	71.2

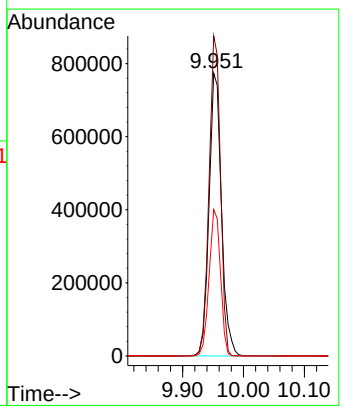


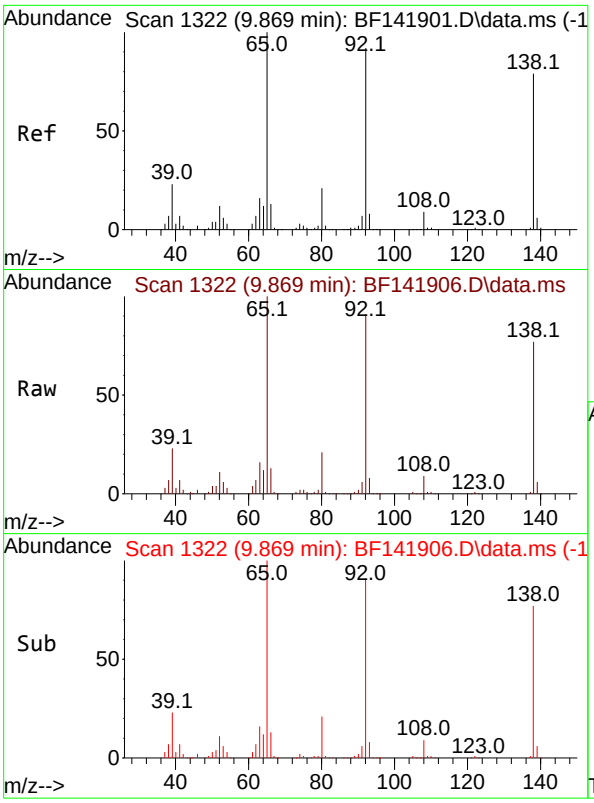


#52
Acenaphthene
Concen: 38.405 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:154 Resp: 1095922

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.7	136.1
152	51.8	41.1	61.7



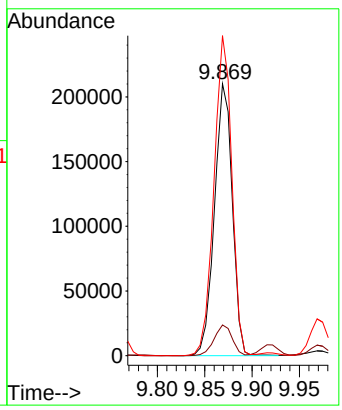


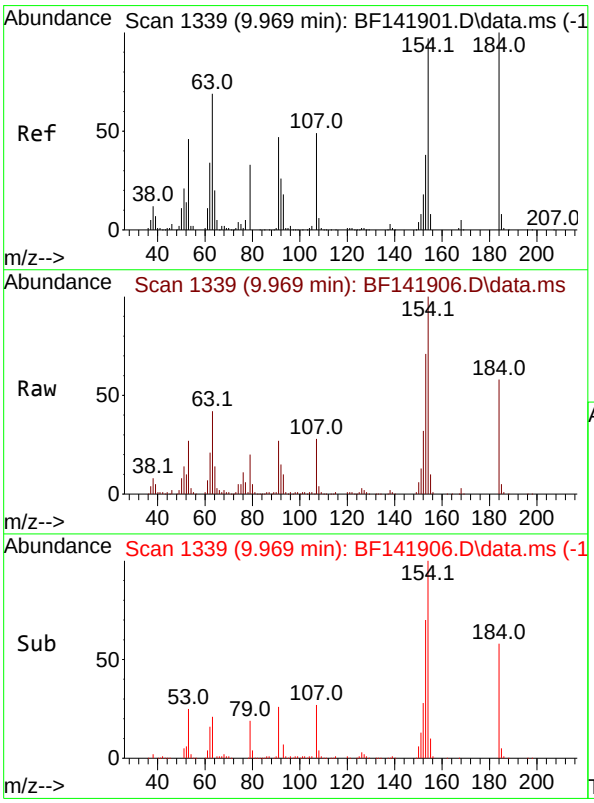
#53
3-Nitroaniline
Concen: 38.561 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:138 Resp: 275555

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.3	13.9
92	117.7	93.5	140.3

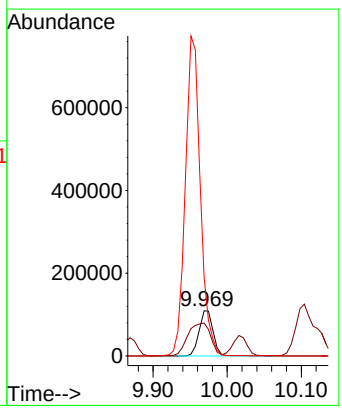


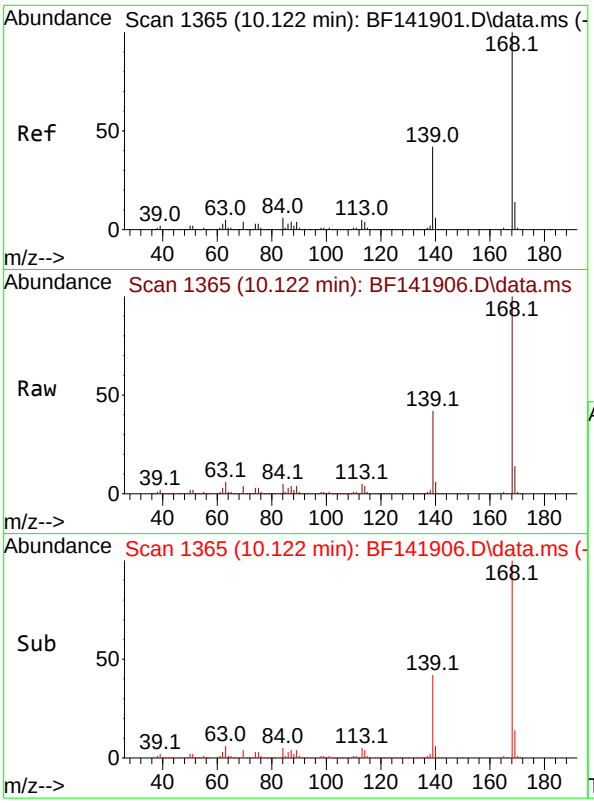


#54
2,4-Dinitrophenol
Concen: 39.326 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:184 Resp: 142831

Ion	Ratio	Lower	Upper
184	100		
63	73.1	60.2	90.4
154	173.5	132.9	199.3



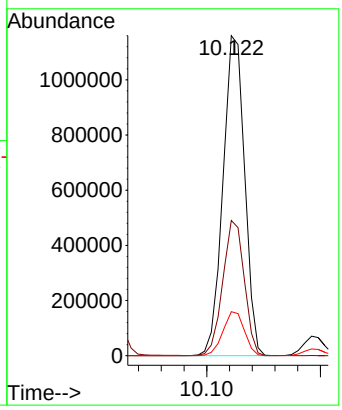


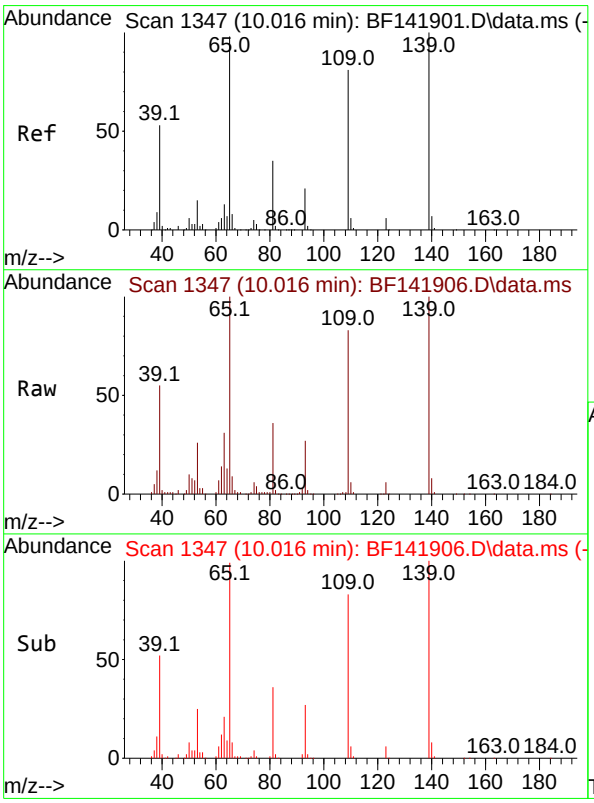
#55
Dibenzofuran
Concen: 37.778 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:168 Resp: 1540381

Ion	Ratio	Lower	Upper
168	100		
139	42.2	33.9	50.9
169	13.8	11.0	16.4

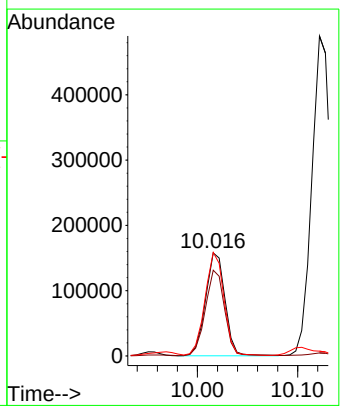


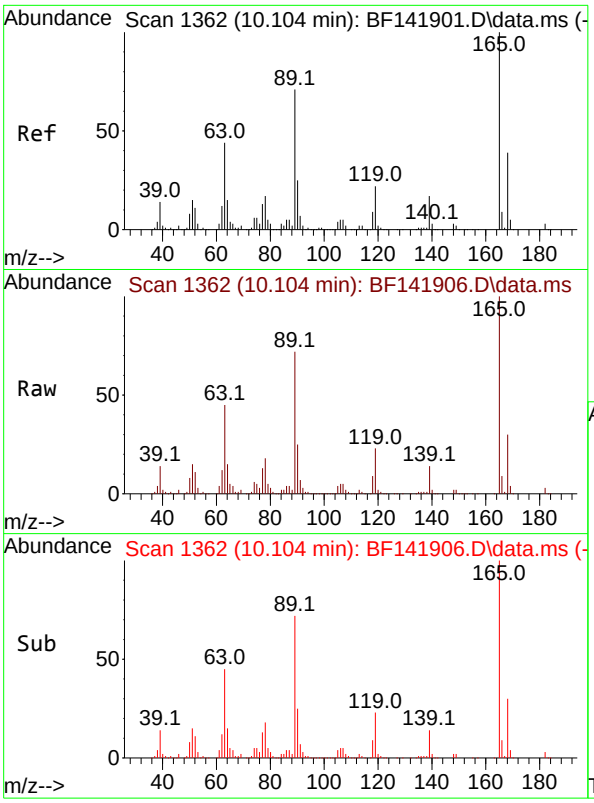


#56
4-Nitrophenol
Concen: 39.425 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:139 Resp: 212462

Ion	Ratio	Lower	Upper
139	100		
109	83.2	61.6	101.6
65	100.4	79.4	119.4



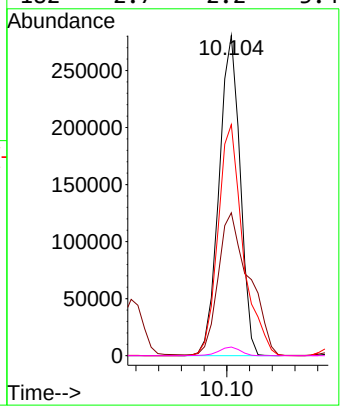


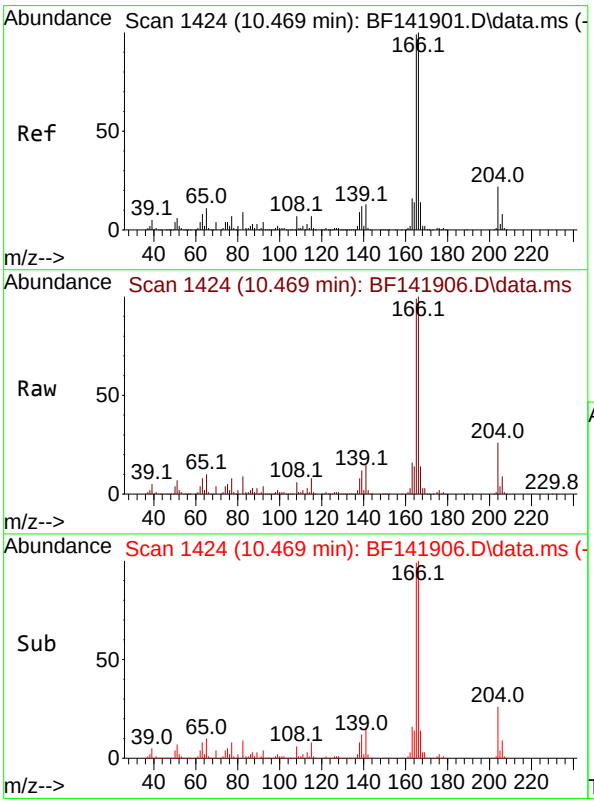
#57
2,4-Dinitrotoluene
Concen: 39.291 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:165 Resp: 361518

Ion	Ratio	Lower	Upper
165	100		
63	44.7	35.4	53.2
89	72.2	56.6	84.8
182	2.7	2.2	3.4

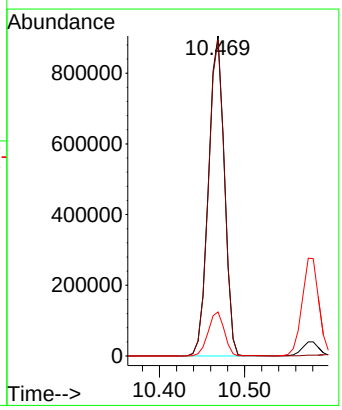


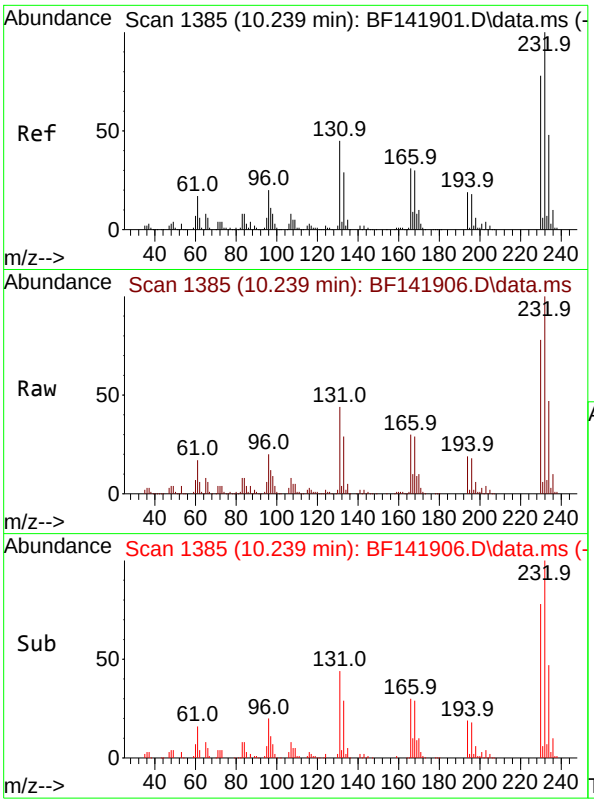


#58
Fluorene
Concen: 37.381 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:166 Resp: 1175392

Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.0	118.4
167	13.8	11.0	16.4



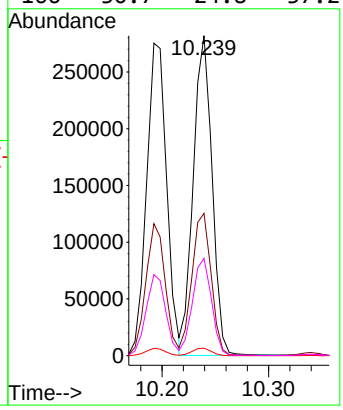


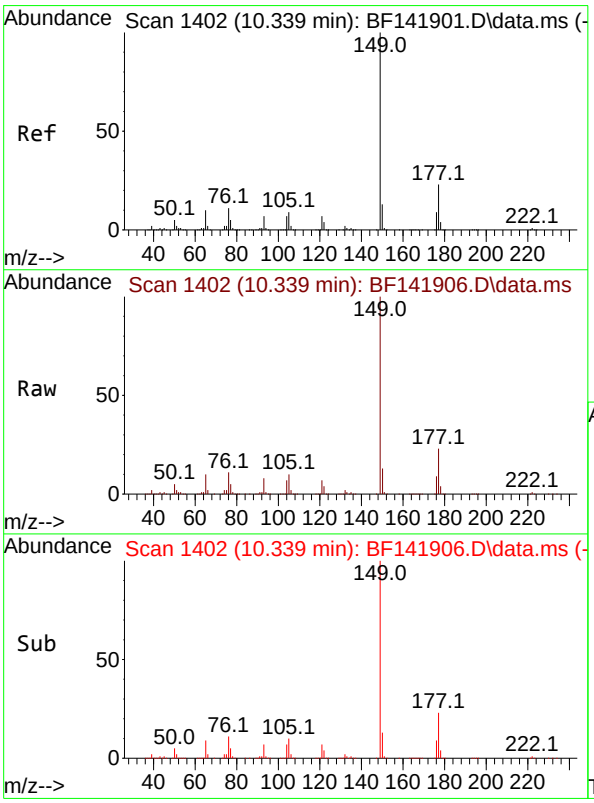
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.070 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:232 Resp: 346168

Ion	Ratio	Lower	Upper
232	100		
131	45.8	37.3	55.9
130	2.4	1.9	2.9
166	30.7	24.8	37.2

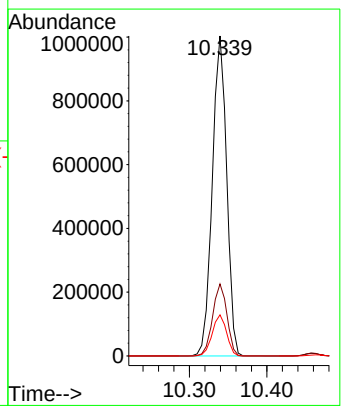


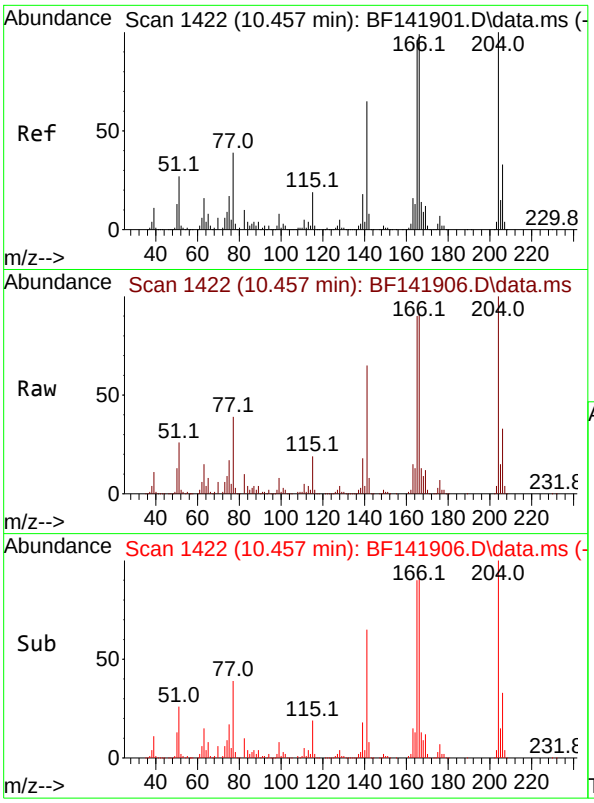


#60
Diethylphthalate
Concen: 38.337 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 1293401

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.8	10.2	15.4



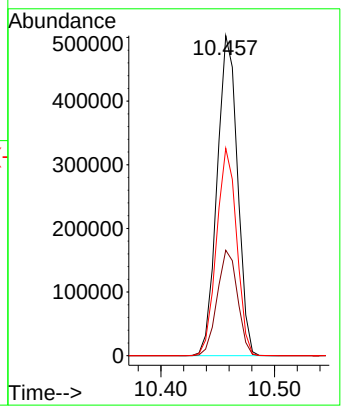


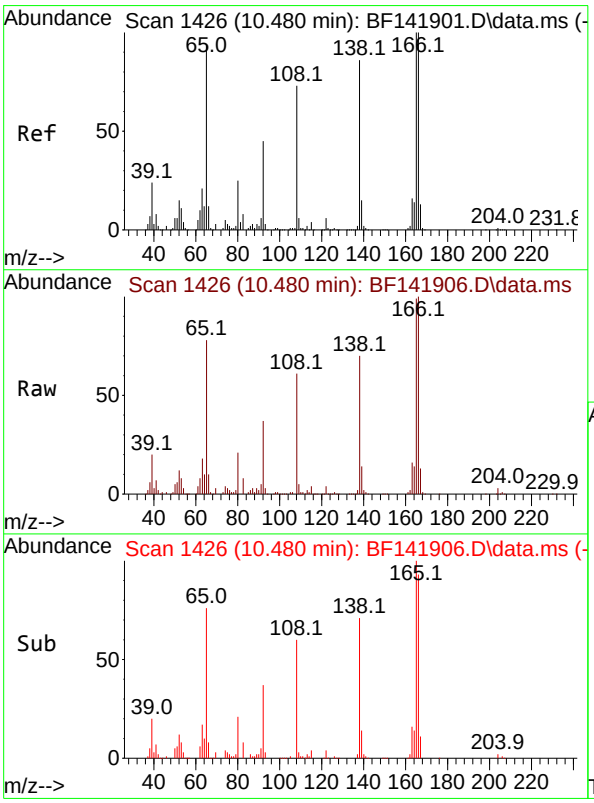
#61
4-Chlorophenyl-phenylether
Concen: 38.272 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:204 Resp: 627404

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.8	40.2
141	64.8	52.4	78.6

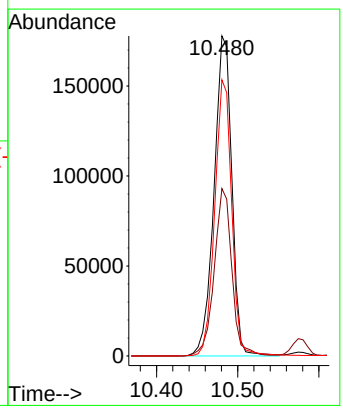


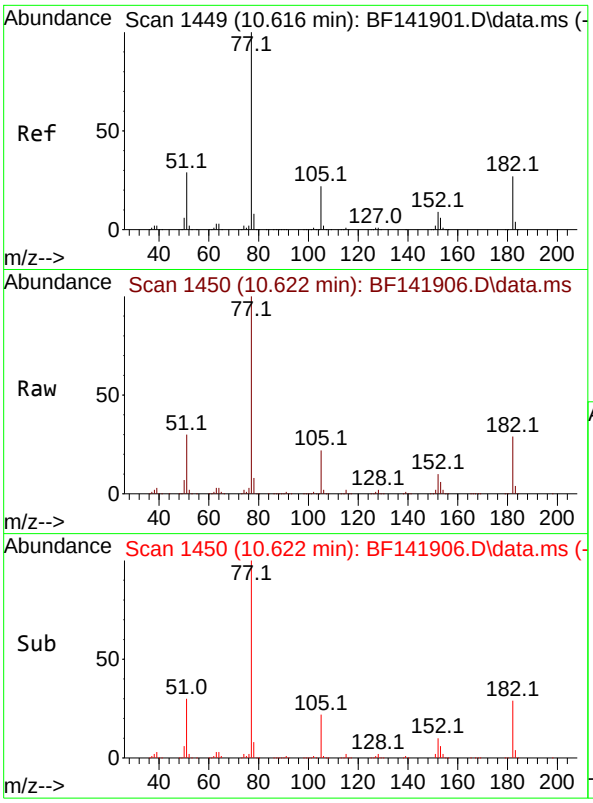


#62
4-Nitroaniline
Concen: 38.953 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:138 Resp: 270993

Ion	Ratio	Lower	Upper
138	100		
92	52.3	32.6	72.6
108	86.3	65.0	105.0



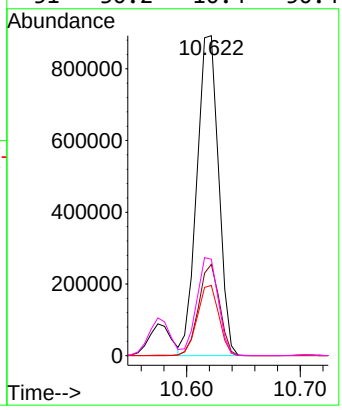


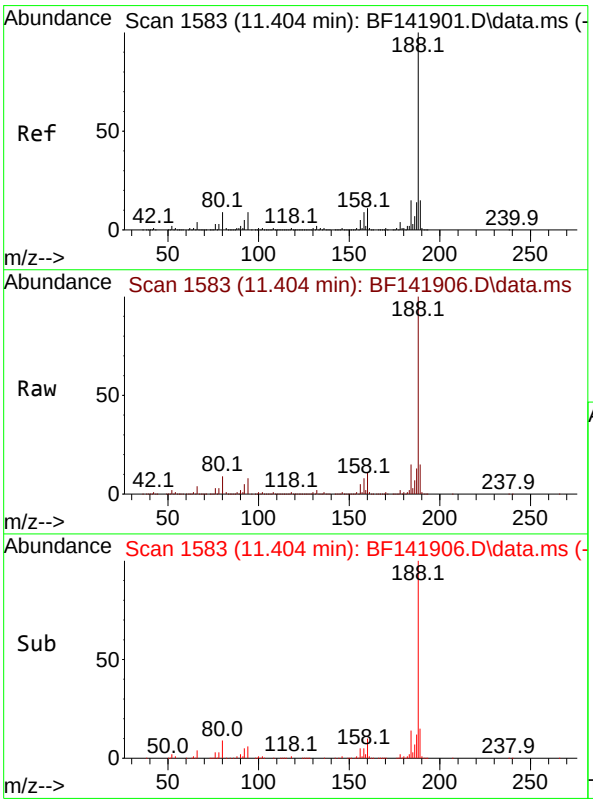
#63
Azobenzene
Concen: 37.911 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 77 Resp: 1189121

Ion	Ratio	Lower	Upper
77	100		
182	28.5	6.6	46.6
105	22.0	1.3	41.3
51	30.2	10.4	50.4

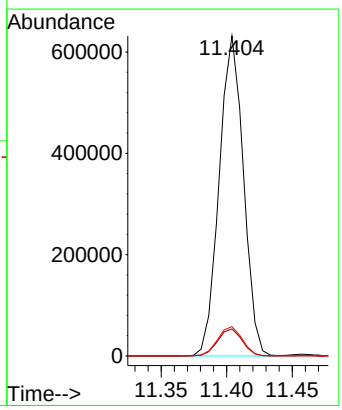


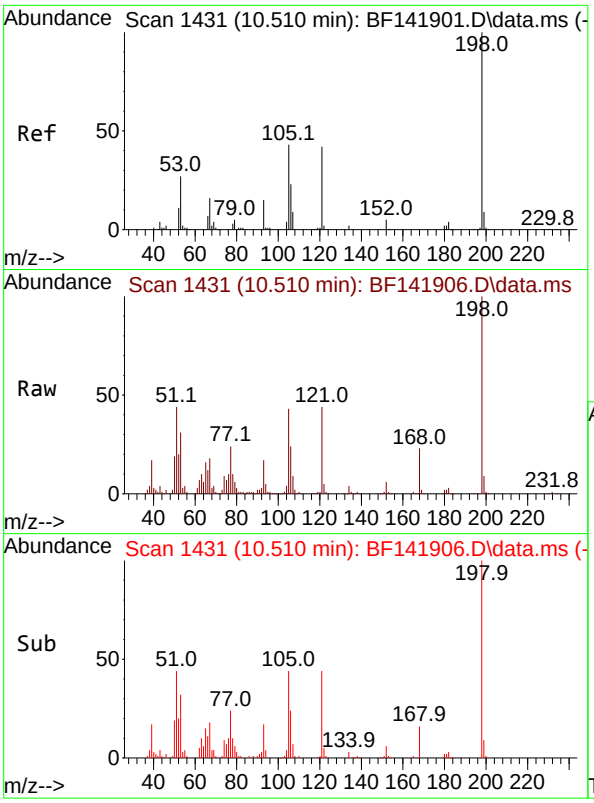


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:188 Resp: 813672

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.1	7.6	11.4



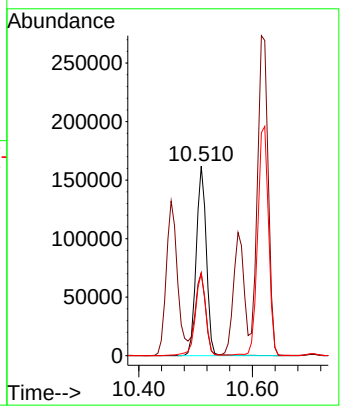


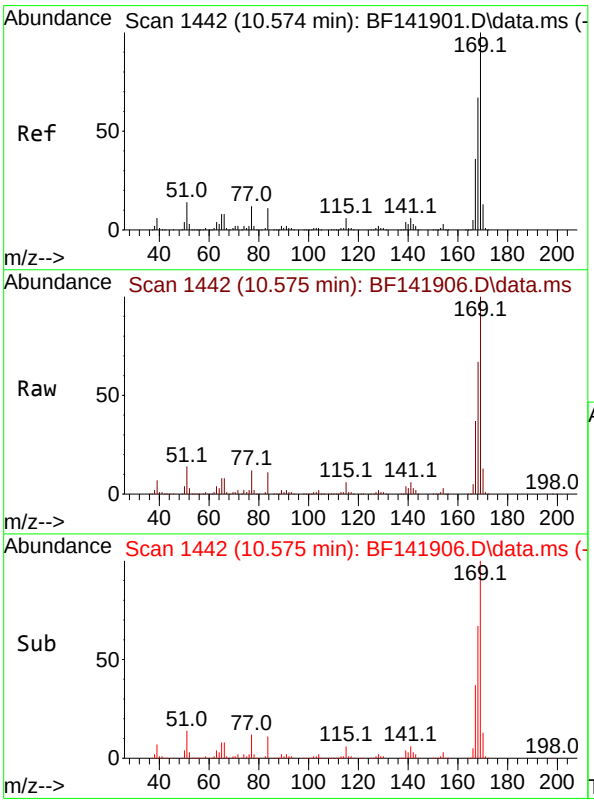
#65
4,6-Dinitro-2-methylphenol
Concen: 41.415 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:198 Resp: 200888

Ion	Ratio	Lower	Upper
198	100		
51	43.7	22.3	62.3
105	43.4	23.0	63.0

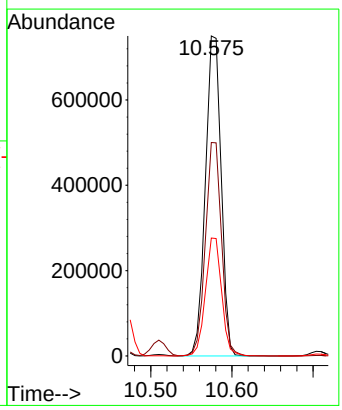


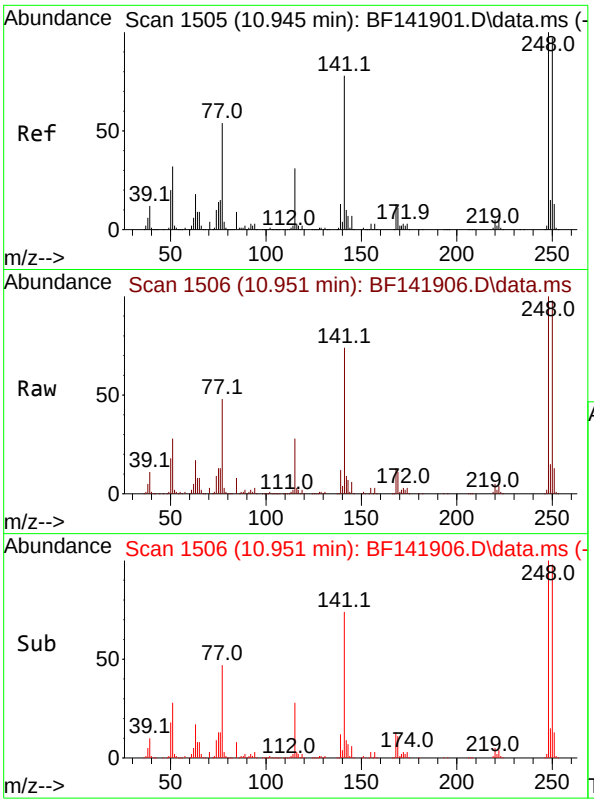


#66
n-Nitrosodiphenylamine
Concen: 38.283 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:169 Resp: 1008029

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.7	80.5
167	36.9	29.2	43.8



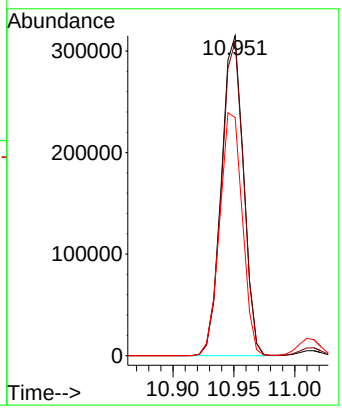


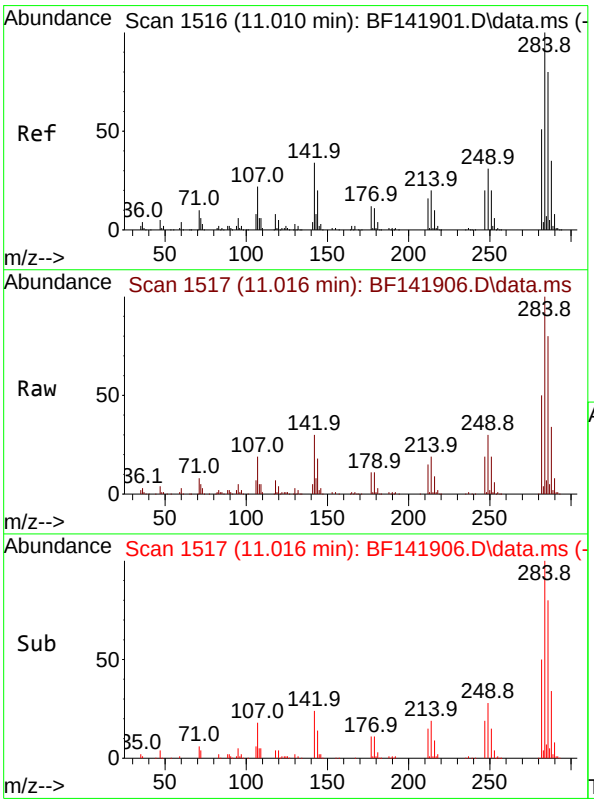
#67
4-Bromophenyl-phenylether
Concen: 39.015 ng
RT: 10.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:248 Resp: 398683

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.8	116.8
141	74.4	62.6	93.8

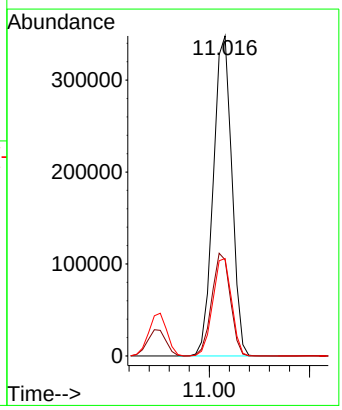


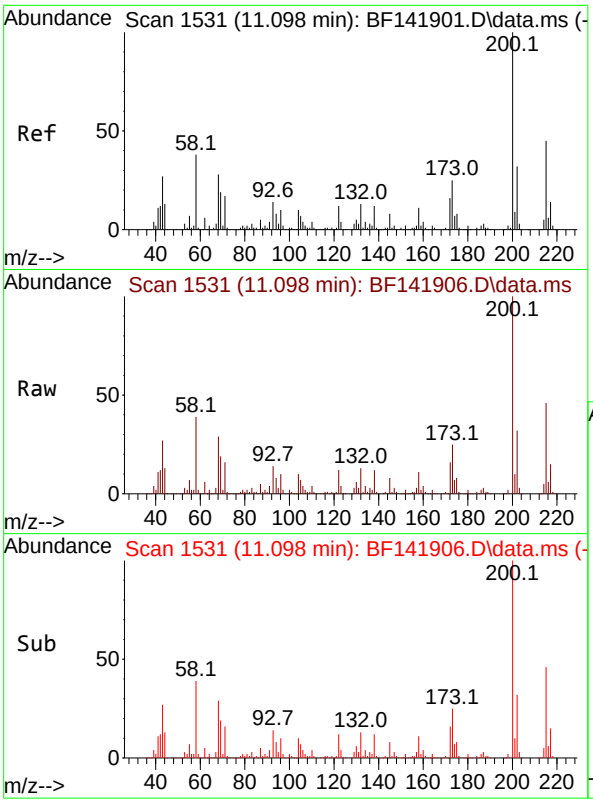


#68
Hexachlorobenzene
Concen: 39.789 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:284 Resp: 445938

Ion	Ratio	Lower	Upper
284	100		
142	30.0	27.0	40.6
249	30.5	25.2	37.8



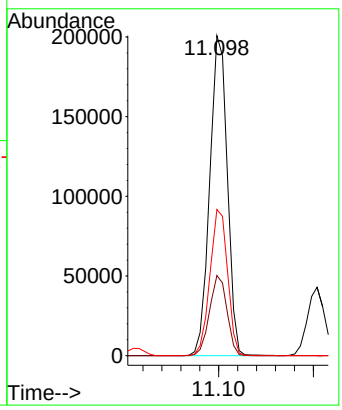


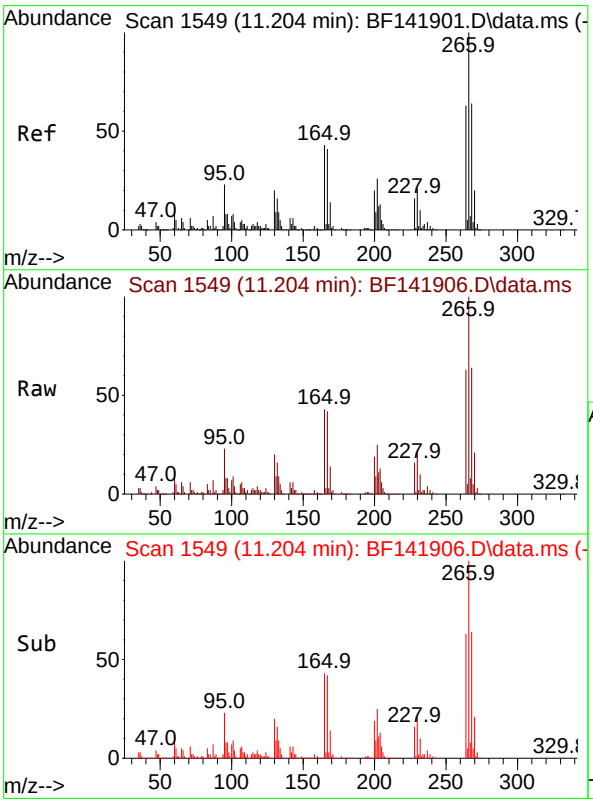
#69
Atrazine
Concen: 31.945 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:200 Resp: 257856

Ion	Ratio	Lower	Upper
200	100		
173	25.1	4.7	44.7
215	45.7	25.4	65.4

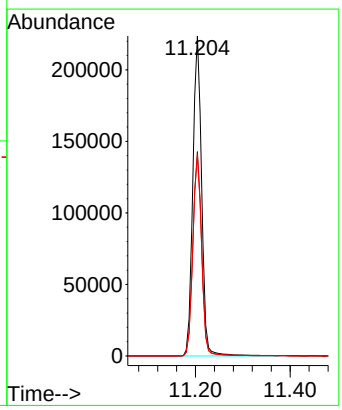


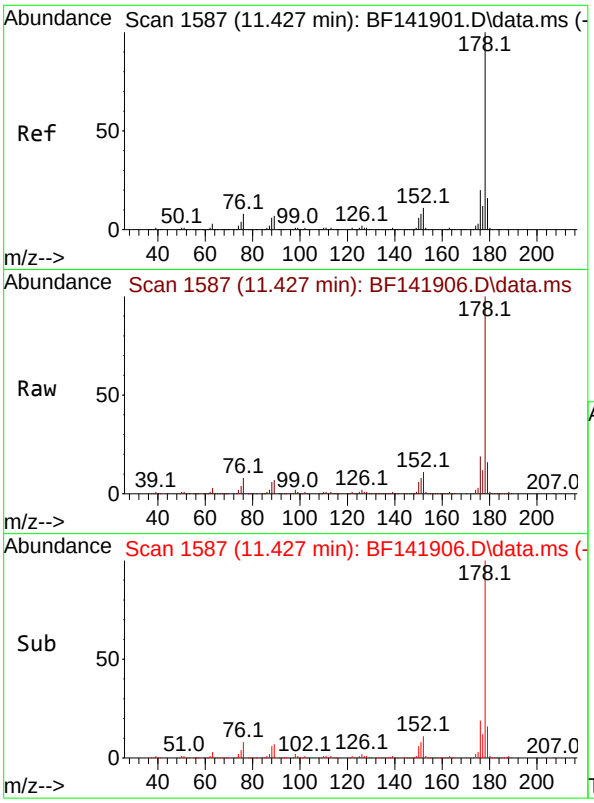


#70
Pentachlorophenol
Concen: 41.955 ng
RT: 11.204 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:266 Resp: 289713

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.6
264	62.9	50.2	75.2



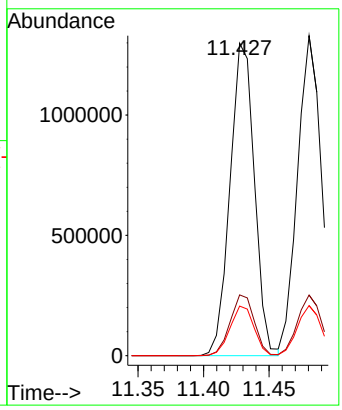


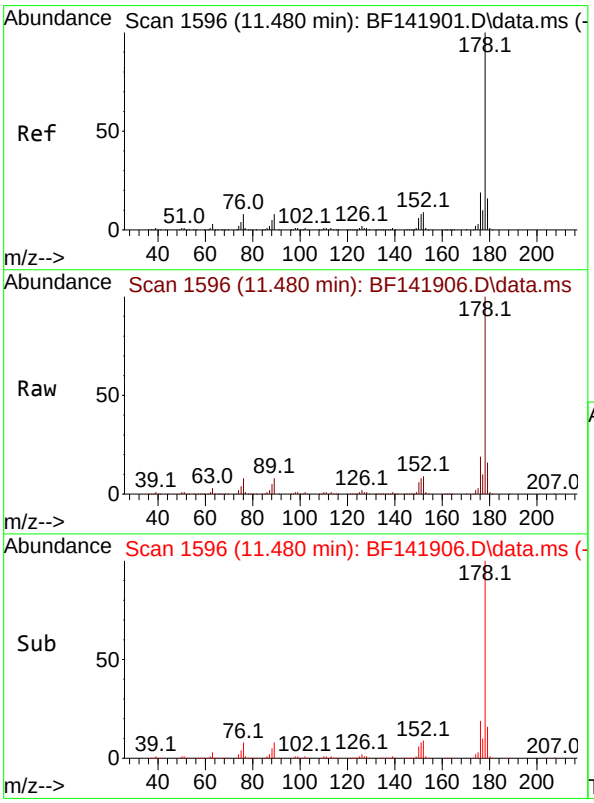
#71
Phenanthrene
Concen: 38.357 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:178 Resp: 1685770

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.9	12.6	19.0

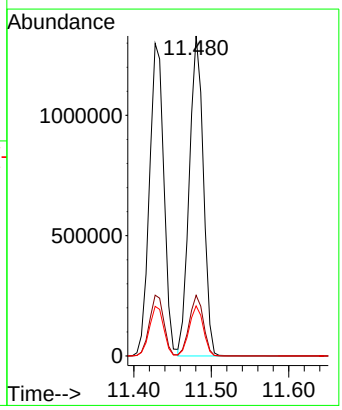


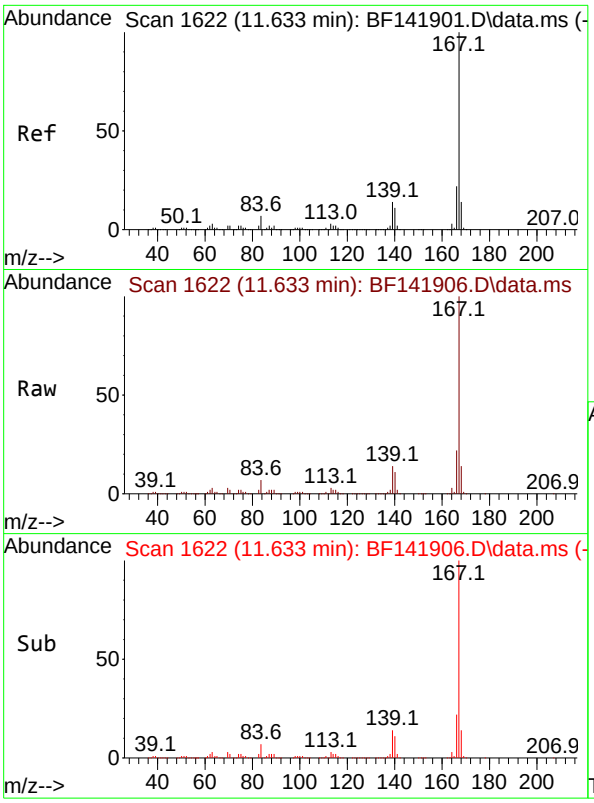


#72
Anthracene
Concen: 37.991 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:178 Resp: 1675103

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.7	12.6	19.0



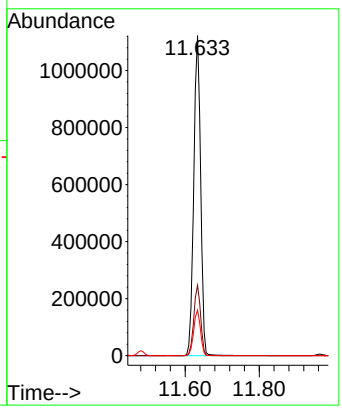


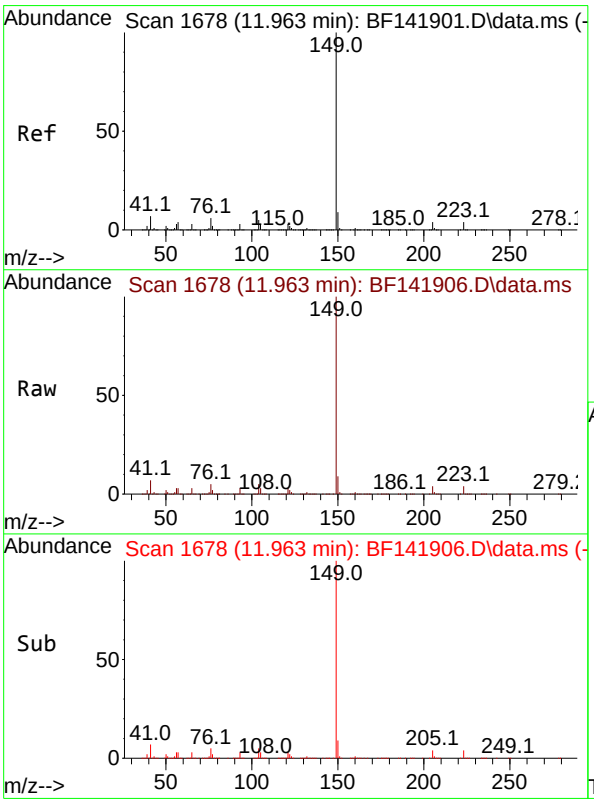
#73
Carbazole
Concen: 38.167 ng
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:167 Resp: 1451333

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.4	26.2
139	14.2	11.0	16.6

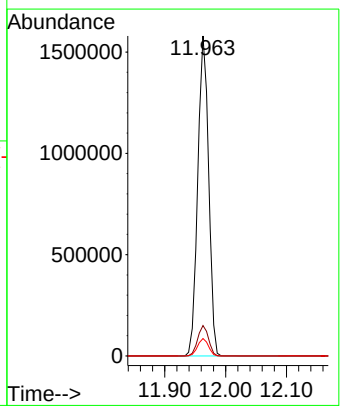


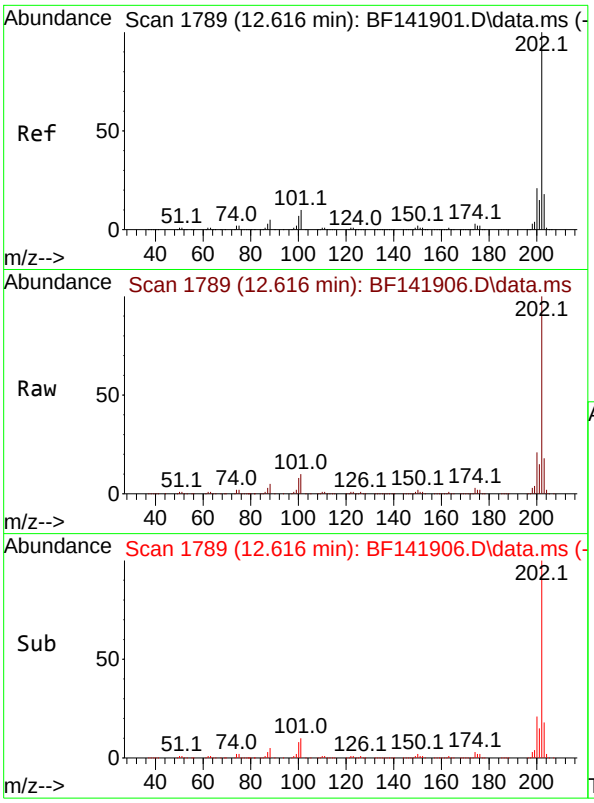


#74
Di-n-butylphthalate
Concen: 38.717 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 1953516

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.6	11.4
104	5.5	4.4	6.6



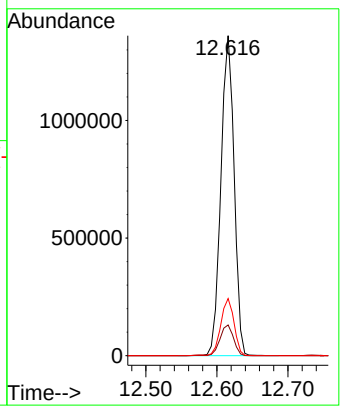


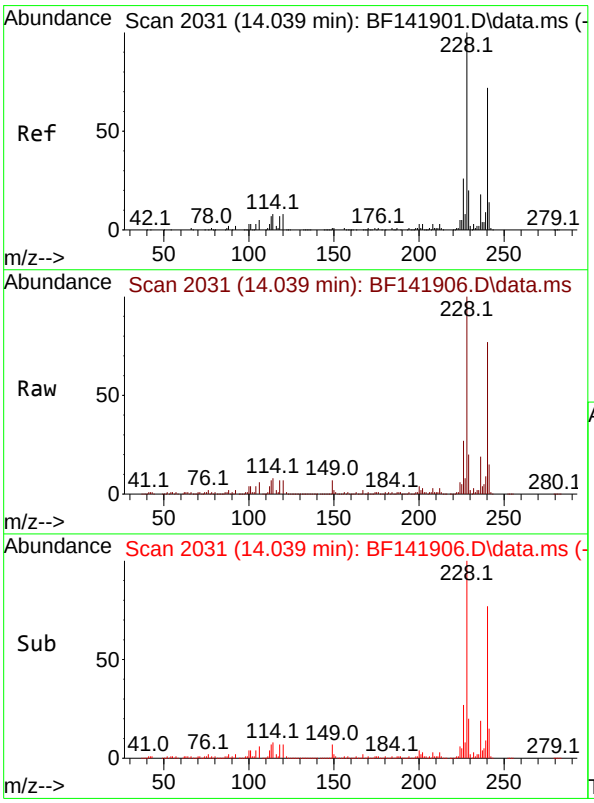
#75
Fluoranthene
Concen: 37.545 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:202 Resp: 1750317

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.7
203	17.9	0.0	37.8

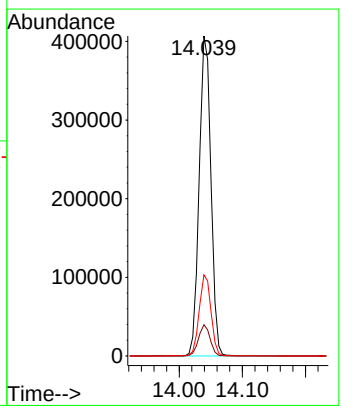


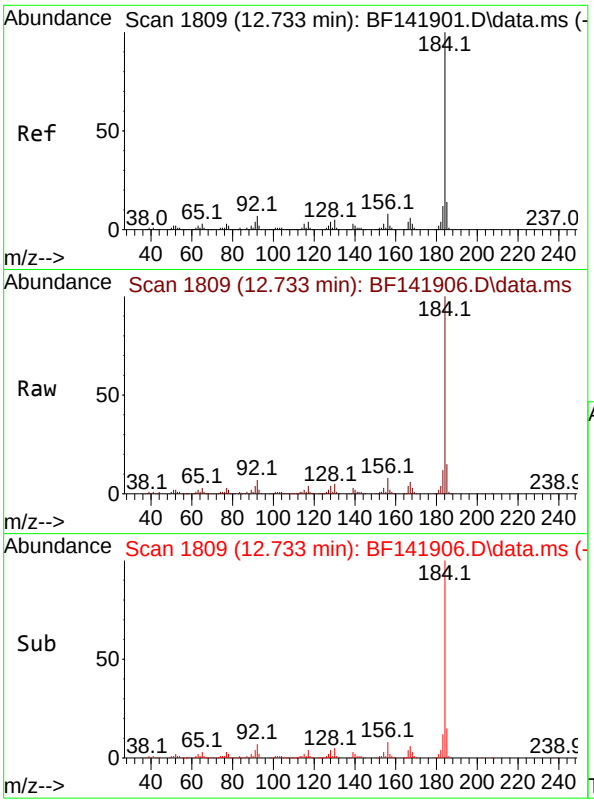


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:240 Resp: 523890

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.4	12.6
236	25.3	20.5	30.7



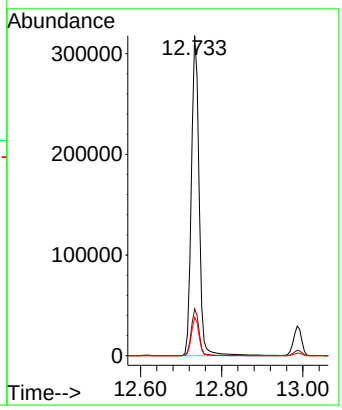


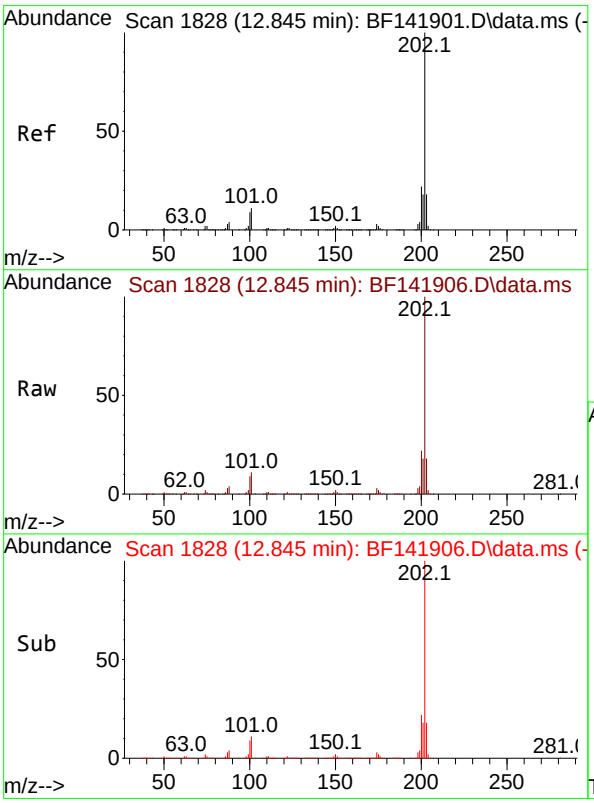
#77
Benzidine
Concen: 57.513 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:184 Resp: 420377

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	12.0	9.7	14.5

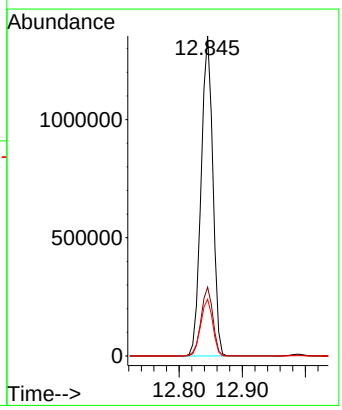


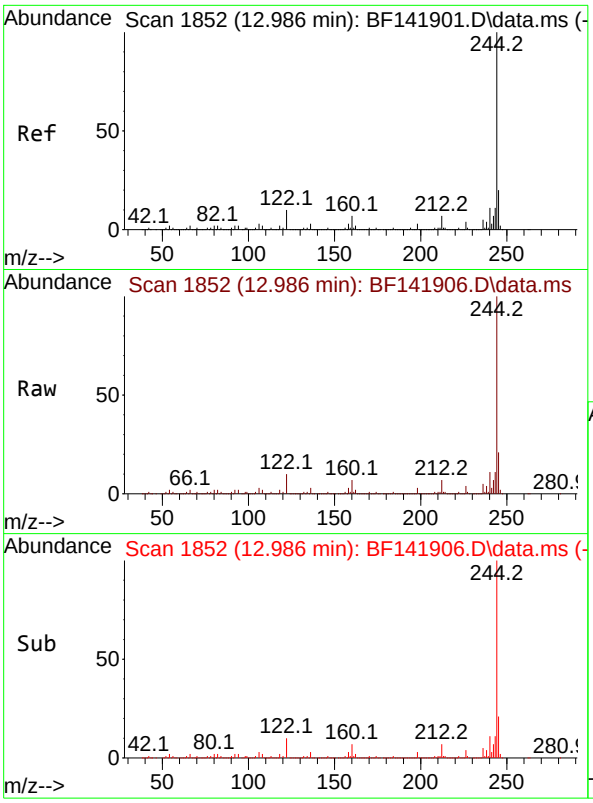


#78
Pyrene
Concen: 38.539 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:202 Resp: 1746456

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9
203	17.7	14.4	21.6



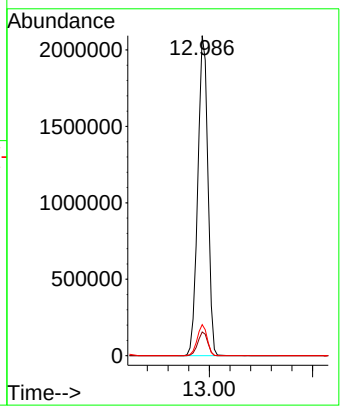


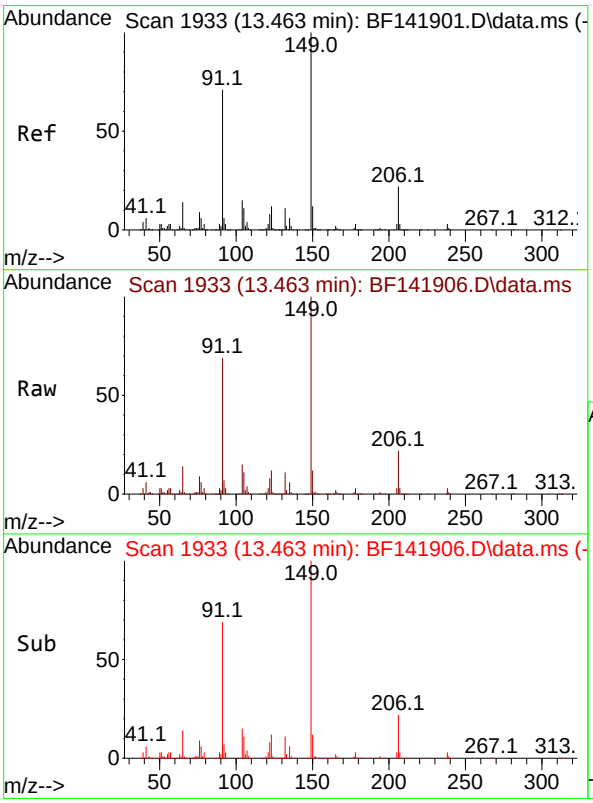
#79
Terphenyl-d14
Concen: 79.748 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:244 Resp: 2825870

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	9.7	7.7	11.5

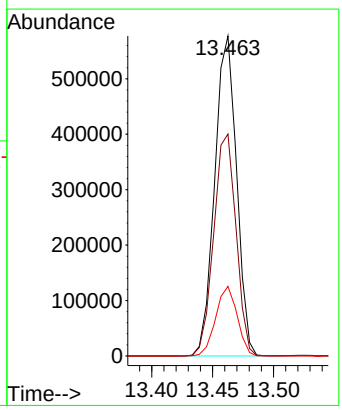


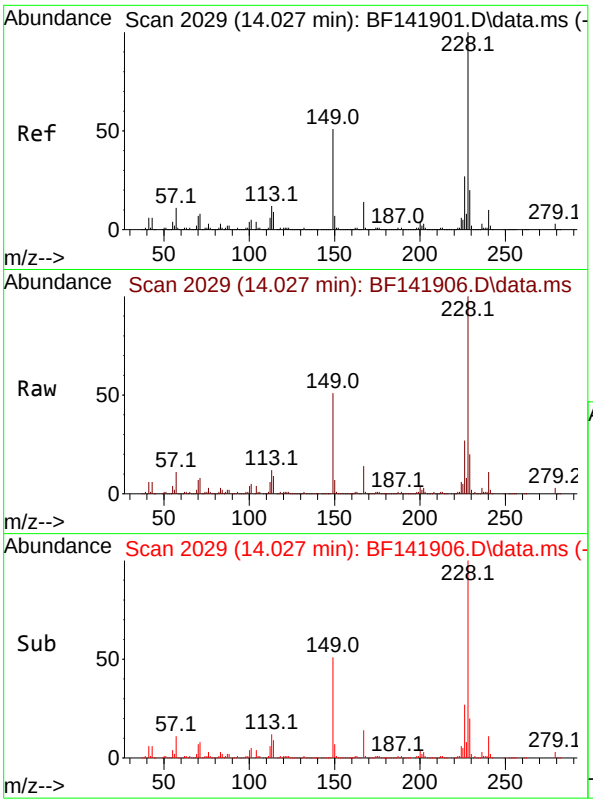


#80
Butylbenzylphthalate
Concen: 40.778 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 723288

Ion	Ratio	Lower	Upper
149	100		
91	69.3	56.5	84.7
206	21.8	17.3	25.9



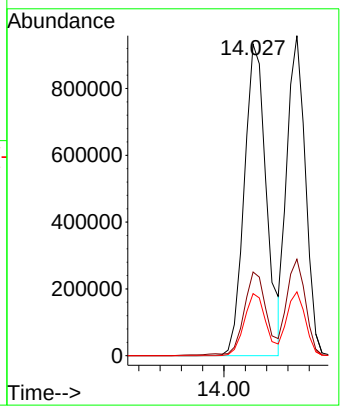


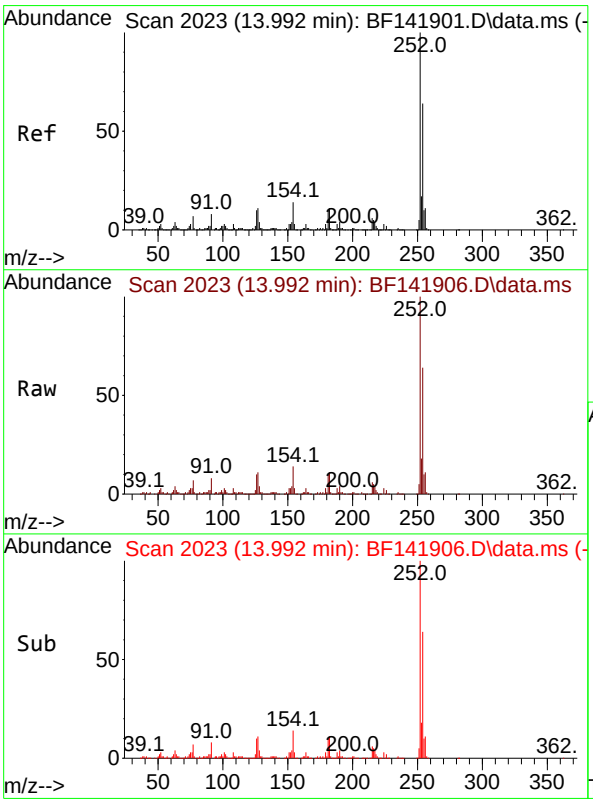
#81
Benzo(a)anthracene
Concen: 39.211 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:228 Resp: 1347977

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	20.0	16.0	24.0

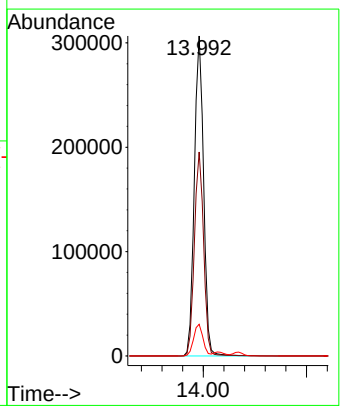


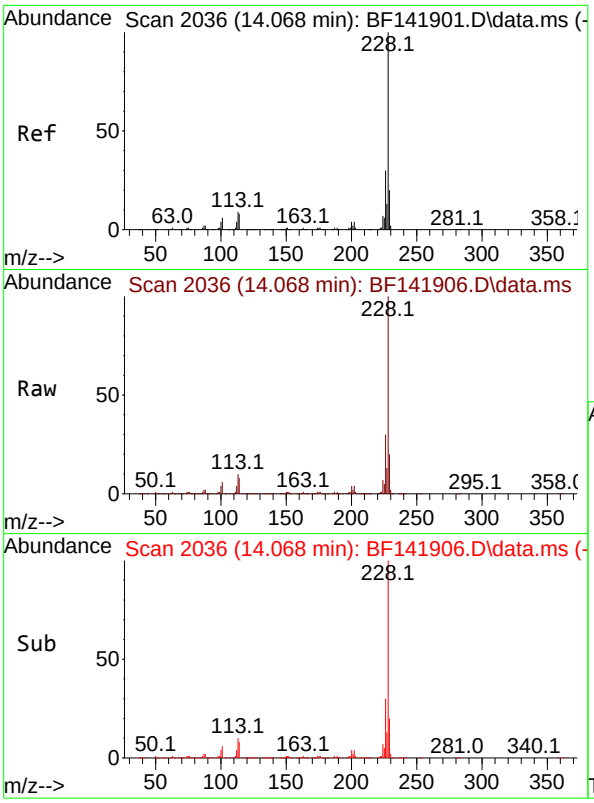


#82
3,3'-Dichlorobenzidine
Concen: 38.337 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:252 Resp: 380866

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	9.9	8.4	12.6



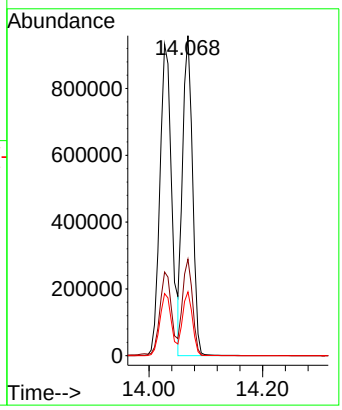


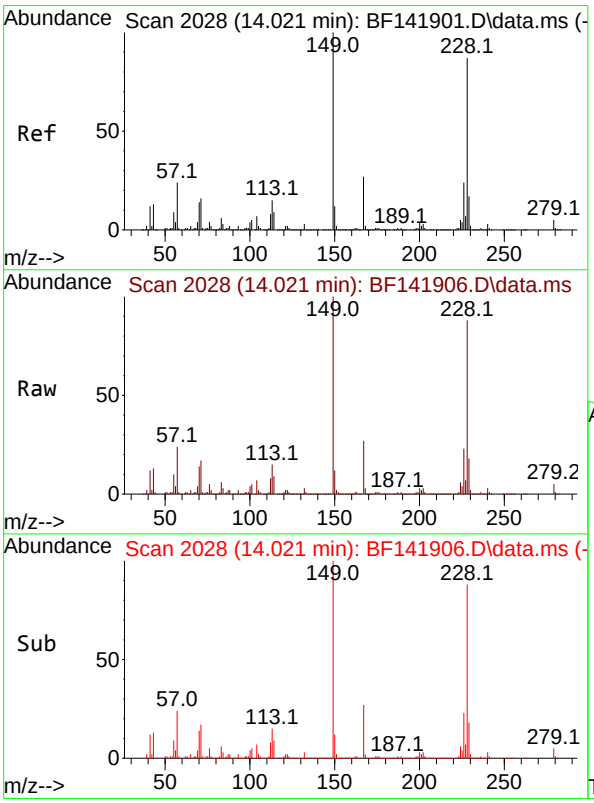
#83
Chrysene
Concen: 37.195 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:228 Resp: 1159074

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	20.0	15.7	23.5

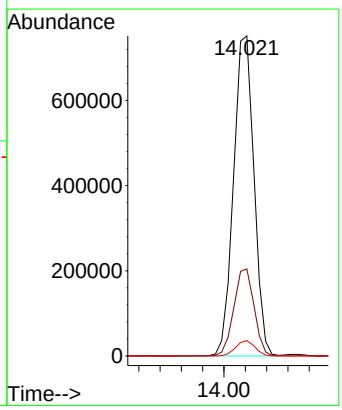


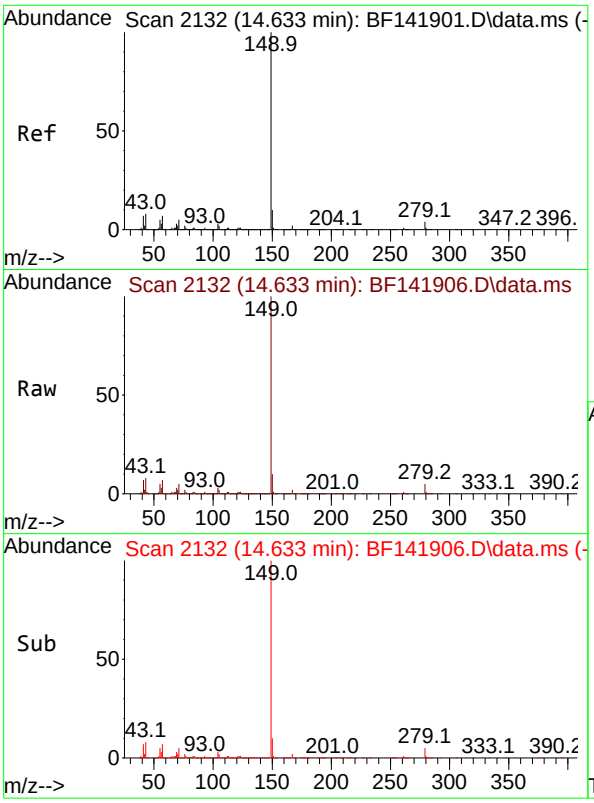


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.142 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 1006170

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.4	32.0
279	4.8	3.8	5.6



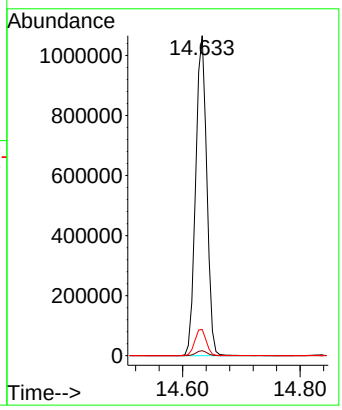


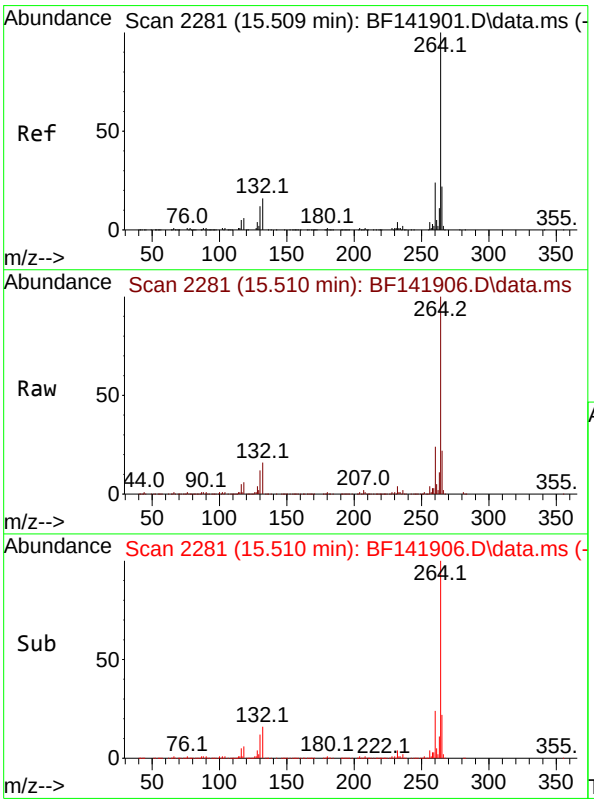
#85
Di-n-octyl phthalate
Concen: 40.971 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:149 Resp: 1394136

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.5	6.9	10.3

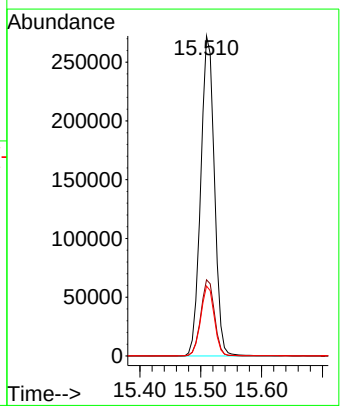


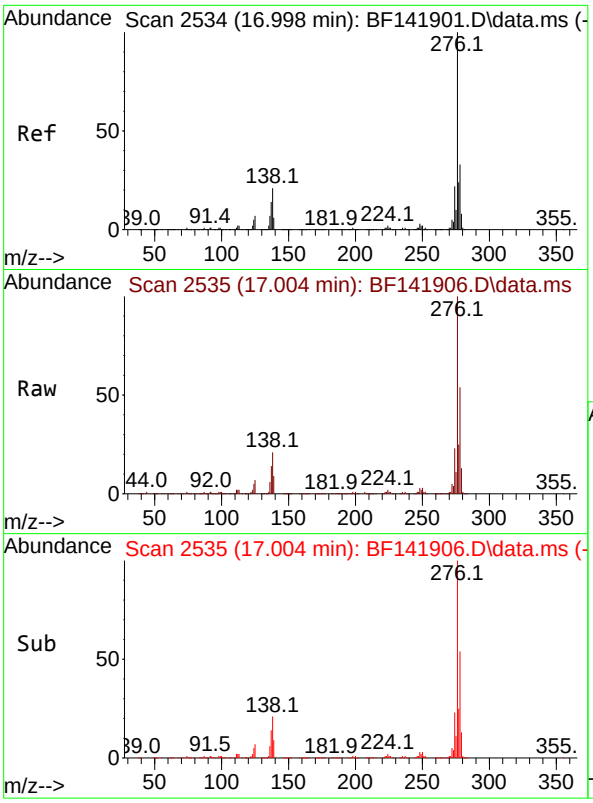


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:264 Resp: 426422

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.8	17.5	26.3



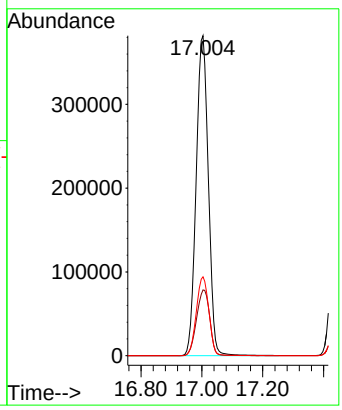


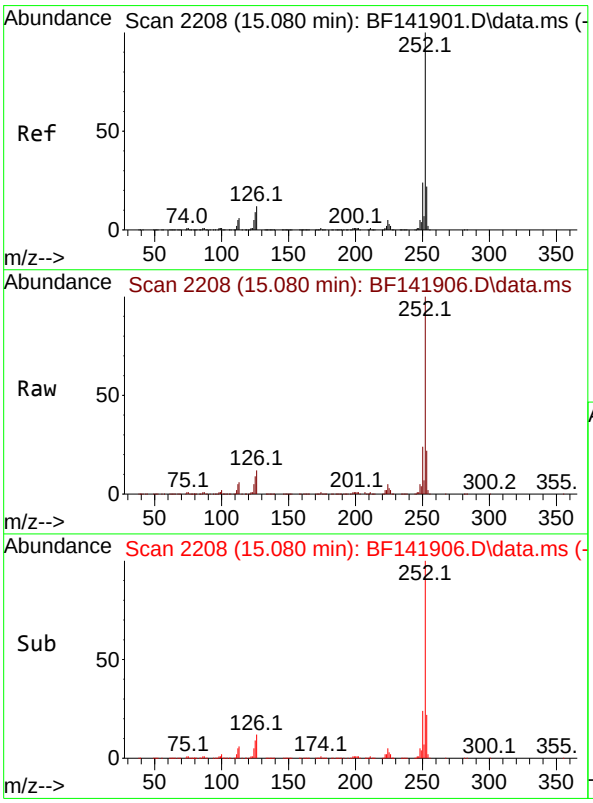
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.467 ng
RT: 17.004 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:276 Resp: 1061096

Ion	Ratio	Lower	Upper
276	100		
138	22.2	18.4	27.6
277	25.3	20.3	30.5

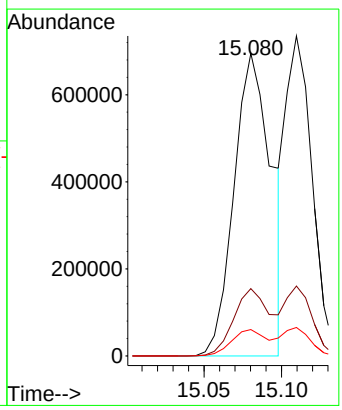


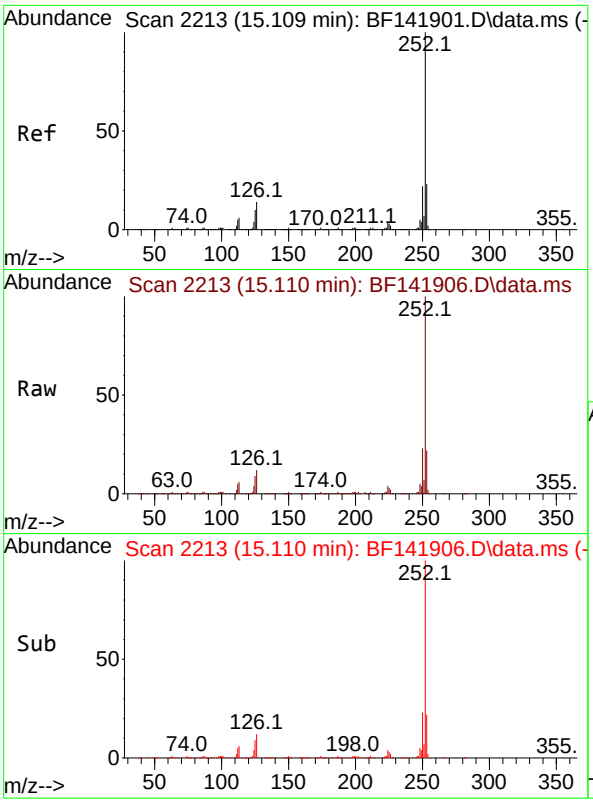


#88
Benzo(b)fluoranthene
Concen: 39.906 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:252 Resp: 1166263

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	8.7	7.0	10.4



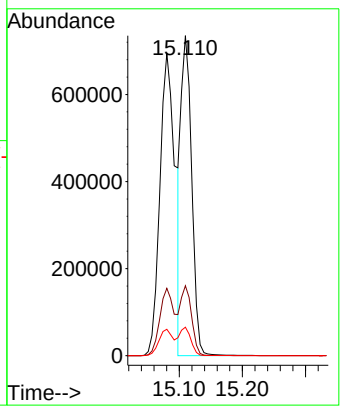


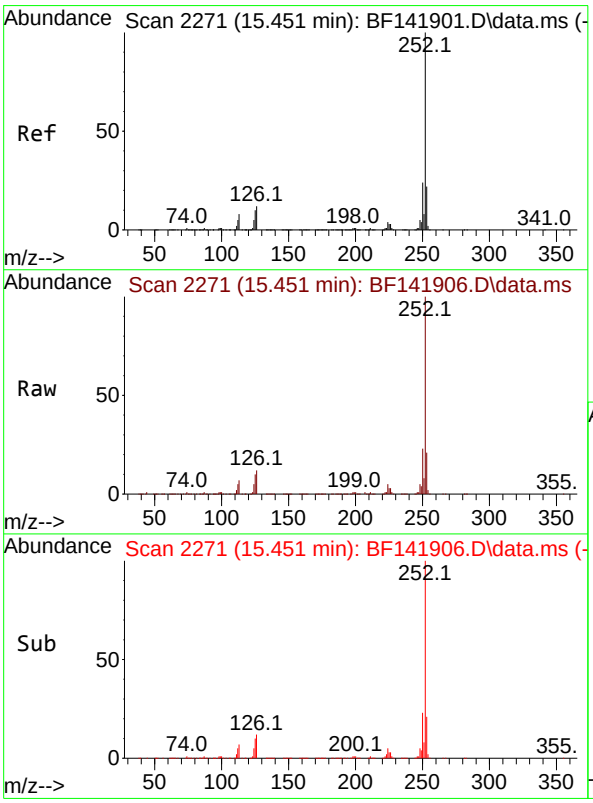
#89
Benzo(k)fluoranthene
Concen: 34.765 ng
RT: 15.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:252 Resp: 869471

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	8.9	7.2	10.8

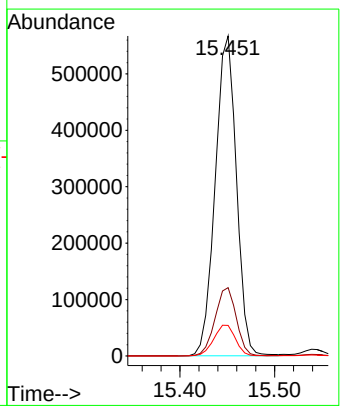


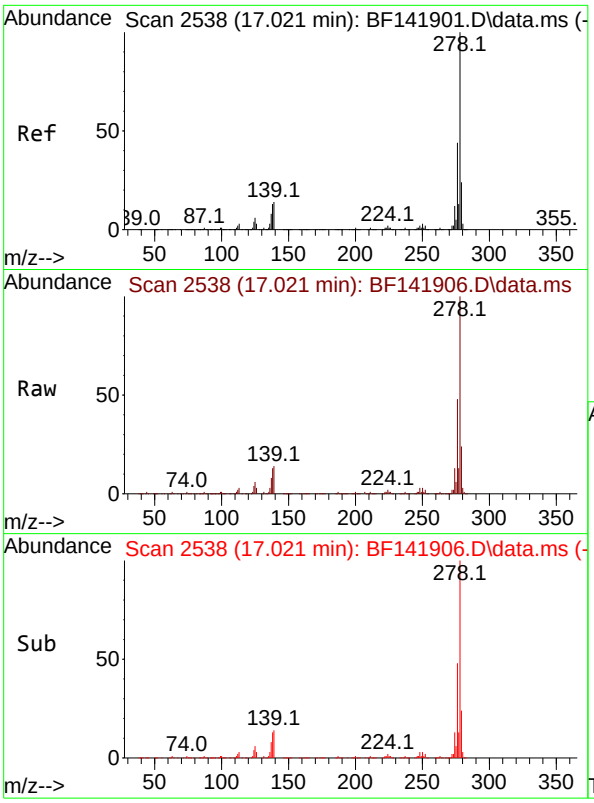


#90
Benzo(a)pyrene
Concen: 38.612 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:252 Resp: 882967

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	9.6	7.8	11.8



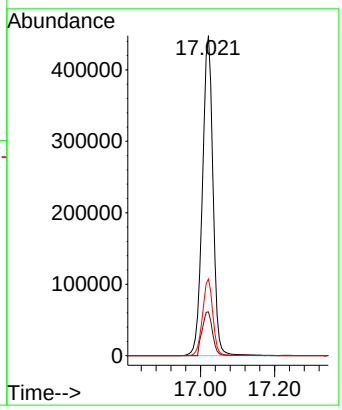


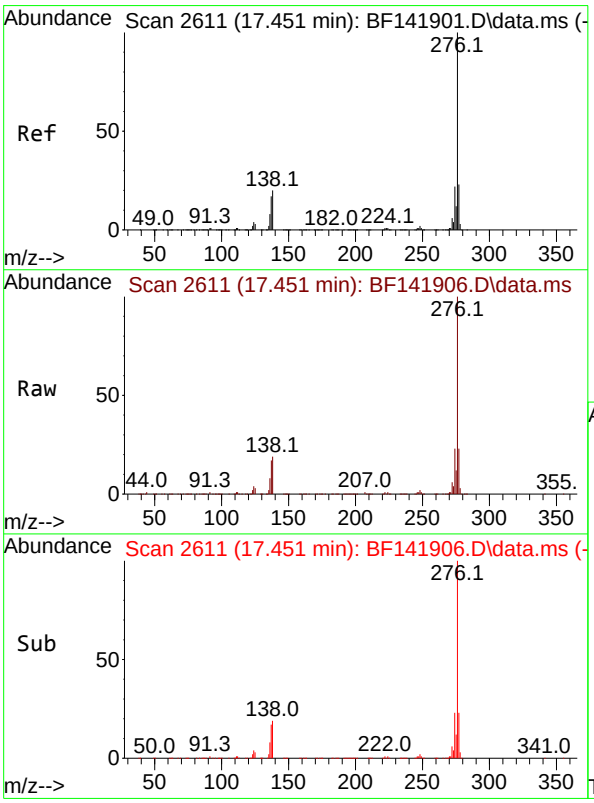
#91
Dibenzo(a,h)anthracene
Concen: 38.931 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:278 Resp: 886038

Ion	Ratio	Lower	Upper
278	100		
139	13.7	11.4	17.2
279	23.9	18.8	28.2

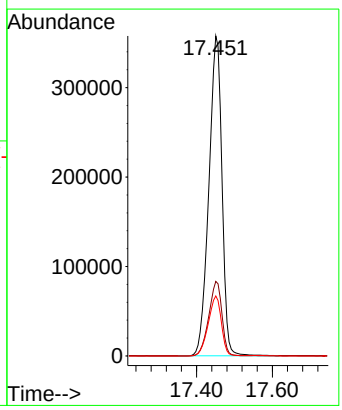




#92
Benzo(g,h,i)perylene
Concen: 38.051 ng
RT: 17.451 min Scan# 2611
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:276 Resp: 855812

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	18.7	15.8	23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
2		1,4-Dioxane	0.502	0.485	3.4	91	0.00
3		Pyridine	1.232	1.202	2.4	93	-0.01
4		n-Nitrosodimethylamine	0.587	0.572	2.6	92	0.00
5	S	2-Fluorophenol	1.198	1.151	3.9	94	0.00
6		Aniline	1.505	1.466	2.6	94	0.00
7	S	Phenol-d6	1.526	1.468	3.8	96	0.00
8		2-Chlorophenol	1.329	1.287	3.2	96	0.00
9		Benzaldehyde	0.853	0.810	5.0	98	0.00
10	C	Phenol	1.605	1.570	2.2	96	0.00
11		bis(2-Chloroethyl)ether	1.205	1.152	4.4	95	0.00
12		1,3-Dichlorobenzene	1.435	1.377	4.0	94	0.00
13	C	1,4-Dichlorobenzene	1.452	1.392	4.1	94	0.00
14		1,2-Dichlorobenzene	1.367	1.325	3.1	96	0.00
15		Benzyl Alcohol	1.233	1.215	1.5	96	0.00
16		2,2'-oxybis(1-Chloropropane	1.455	1.358	6.7	94	0.00
17		2-Methylphenol	1.057	1.024	3.1	96	0.00
18		Hexachloroethane	0.544	0.528	2.9	96	0.00
19	P	n-Nitroso-di-n-propylamine	0.980	0.932	4.9	96	0.00
20		3+4-Methylphenols	1.354	1.307	3.5	95	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	96	0.00
22		Acetophenone	0.479	0.451	5.8	94	0.00
23	S	Nitrobenzene-d5	0.355	0.351	1.1	97	0.00
24		Nitrobenzene	0.353	0.344	2.5	96	0.00
25		Isophorone	0.628	0.599	4.6	96	0.00
26	C	2-Nitrophenol	0.173	0.175	-1.2	96	0.00
27		2,4-Dimethylphenol	0.239	0.229	4.2	96	0.00
28		bis(2-Chloroethoxy)methane	0.394	0.374	5.1	97	0.00
29	C	2,4-Dichlorophenol	0.296	0.289	2.4	97	0.00
30		1,2,4-Trichlorobenzene	0.327	0.313	4.3	97	0.00
31		Naphthalene	1.027	0.972	5.4	95	0.00
32		Benzoic acid	0.210	0.222	-5.7	103	0.00
33		4-Chloroaniline	0.363	0.352	3.0	97	0.00
34	C	Hexachlorobutadiene	0.213	0.207	2.8	98	0.00
35		Caprolactam	0.090	0.084	6.7	96	0.00
36	C	4-Chloro-3-methylphenol	0.331	0.319	3.6	96	0.00
37		2-Methylnaphthalene	0.687	0.651	5.2	96	0.00
38		1-Methylnaphthalene	0.663	0.638	3.8	98	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.581	4.6	96	0.00
41	P	Hexachlorocyclopentadiene	0.238	0.228	4.2	89	0.00
42	S	2,4,6-Tribromophenol	0.254	0.252	0.8	98	0.00
43	C	2,4,6-Trichlorophenol	0.398	0.391	1.8	96	0.00
44		2,4,5-Trichlorophenol	0.403	0.386	4.2	97	0.00
45	S	2-Fluorobiphenyl	1.315	1.242	5.6	97	0.00
46		1,1'-Biphenyl	1.520	1.451	4.5	98	0.00
47		2-Chloronaphthalene	1.133	1.079	4.8	97	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.328	0.319	2.7	97	0.00
49		Acenaphthylene	1.681	1.585	5.7	95	0.00
50		Dimethylphthalate	1.401	1.317	6.0	97	0.00
51		2,6-Dinitrotoluene	0.292	0.284	2.7	97	0.00
52	C	Acenaphthene	1.181	1.134	4.0	97	0.00
53		3-Nitroaniline	0.296	0.285	3.7	95	0.00
54	P	2,4-Dinitrophenol	0.139	0.148	-6.5	102	0.00
55		Dibenzofuran	1.688	1.594	5.6	97	0.00
56	P	4-Nitrophenol	0.223	0.220	1.3	94	0.00
57		2,4-Dinitrotoluene	0.381	0.374	1.8	98	0.00
58		Fluorene	1.302	1.216	6.6	97	0.00
59		2,3,4,6-Tetrachlorophenol	0.367	0.358	2.5	98	0.00
60		Diethylphthalate	1.397	1.338	4.2	98	0.00
61		4-Chlorophenyl-phenylether	0.679	0.649	4.4	99	0.00
62		4-Nitroaniline	0.288	0.280	2.8	95	0.00
63		Azobenzene	1.298	1.231	5.2	97	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	0.119	0.123	-3.4	99	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.619	4.3	97	0.00
67		4-Bromophenyl-phenylether	0.251	0.245	2.4	97	0.00
68		Hexachlorobenzene	0.275	0.274	0.4	99	0.00
69		Atrazine	0.198	0.158	20.2	94	0.00
70	C	Pentachlorophenol	0.170	0.178	-4.7	97	0.00
71		Phenanthrene	1.080	1.036	4.1	97	0.00
72		Anthracene	1.084	1.029	5.1	95	0.00
73		Carbazole	0.935	0.892	4.6	95	0.00
74		Di-n-butylphthalate	1.240	1.200	3.2	99	0.00
75	C	Fluoranthene	1.146	1.076	6.1	94	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	92	0.00
77		Benzidine	0.279	0.401	-43.7#	103	0.00
78		Pyrene	1.730	1.667	3.6	95	0.00
79	S	Terphenyl-d14	1.353	1.349	0.3	97	0.00
80		Butylbenzylphthalate	0.677	0.690	-1.9	97	0.00
81		Benzo(a)anthracene	1.312	1.287	1.9	93	0.00
82		3,3'-Dichlorobenzidine	0.379	0.363	4.2	90	0.00
83		Chrysene	1.190	1.106	7.1	90	0.00
84		Bis(2-ethylhexyl)phthalate	0.934	0.960	-2.8	98	0.00
85	c	Di-n-octyl phthalate	1.299	1.331	-2.5	97	0.00
86	I	Perylene-d12	1.000	1.000	0.0	91	0.00
87		Indeno(1,2,3-cd)pyrene	1.294	1.244	3.9	88	0.00
88		Benzo(b)fluoranthene	1.371	1.367	0.3	103	0.00
89		Benzo(k)fluoranthene	1.173	1.019	13.1	77	0.00
90	C	Benzo(a)pyrene	1.073	1.035	3.5	91	0.00
91		Dibenzo(a,h)anthracene	1.067	1.039	2.6	88	0.00
92		Benzo(g,h,i)perylene	1.055	1.003	4.9	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	94	0.00
2		1,4-Dioxane	40.000	38.670	3.3	91	0.00
3		Pyridine	40.000	39.050	2.4	93	-0.01
4		n-Nitrosodimethylamine	40.000	38.959	2.6	92	0.00
5	S	2-Fluorophenol	80.000	76.823	4.0	94	0.00
6		Aniline	40.000	38.958	2.6	94	0.00
7	S	Phenol-d6	80.000	76.962	3.8	96	0.00
8		2-Chlorophenol	40.000	38.721	3.2	96	0.00
9		Benzaldehyde	40.000	37.950	5.1	98	0.00
10	C	Phenol	40.000	39.115	2.2	96	0.00
11		bis(2-Chloroethyl)ether	40.000	38.246	4.4	95	0.00
12		1,3-Dichlorobenzene	40.000	38.391	4.0	94	0.00
13	C	1,4-Dichlorobenzene	40.000	38.366	4.1	94	0.00
14		1,2-Dichlorobenzene	40.000	38.744	3.1	96	0.00
15		Benzyl Alcohol	40.000	39.408	1.5	96	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.338	6.7	94	0.00
17		2-Methylphenol	40.000	38.775	3.1	96	0.00
18		Hexachloroethane	40.000	38.797	3.0	96	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.038	4.9	96	0.00
20		3+4-Methylphenols	40.000	38.619	3.5	95	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	96	0.00
22		Acetophenone	40.000	37.650	5.9	94	0.00
23	S	Nitrobenzene-d5	80.000	78.962	1.3	97	0.00
24		Nitrobenzene	40.000	38.980	2.6	96	0.00
25		Isophorone	40.000	38.163	4.6	96	0.00
26	C	2-Nitrophenol	40.000	40.429	-1.1	96	0.00
27		2,4-Dimethylphenol	40.000	38.414	4.0	96	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.943	5.1	97	0.00
29	C	2,4-Dichlorophenol	40.000	38.952	2.6	97	0.00
30		1,2,4-Trichlorobenzene	40.000	38.336	4.2	97	0.00
31		Naphthalene	40.000	37.827	5.4	95	0.00
32		Benzoic acid	40.000	42.303	-5.8	103	0.00
33		4-Chloroaniline	40.000	38.847	2.9	97	0.00
34	C	Hexachlorobutadiene	40.000	38.849	2.9	98	0.00
35		Caprolactam	40.000	37.276	6.8	96	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.550	3.6	96	0.00
37		2-Methylnaphthalene	40.000	37.935	5.2	96	0.00
38		1-Methylnaphthalene	40.000	38.484	3.8	98	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	98	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.191	4.5	96	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.281	4.3	89	0.00
42	S	2,4,6-Tribromophenol	80.000	79.342	0.8	98	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.292	1.8	96	0.00
44		2,4,5-Trichlorophenol	40.000	38.263	4.3	97	0.00
45	S	2-Fluorobiphenyl	80.000	75.528	5.6	97	0.00
46		1,1'-Biphenyl	40.000	38.182	4.5	98	0.00
47		2-Chloronaphthalene	40.000	38.090	4.8	97	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.908	2.7	97	0.00
49		Acenaphthylene	40.000	37.725	5.7	95	0.00
50		Dimethylphthalate	40.000	37.611	6.0	97	0.00
51		2,6-Dinitrotoluene	40.000	38.970	2.6	97	0.00
52	C	Acenaphthene	40.000	38.405	4.0	97	0.00
53		3-Nitroaniline	40.000	38.561	3.6	95	0.00
54	P	2,4-Dinitrophenol	40.000	39.326	1.7	102	0.00
55		Dibenzofuran	40.000	37.778	5.6	97	0.00
56	P	4-Nitrophenol	40.000	39.425	1.4	94	0.00
57		2,4-Dinitrotoluene	40.000	39.291	1.8	98	0.00
58		Fluorene	40.000	37.381	6.5	97	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.070	2.3	98	0.00
60		Diethylphthalate	40.000	38.337	4.2	98	0.00
61		4-Chlorophenyl-phenylether	40.000	38.272	4.3	99	0.00
62		4-Nitroaniline	40.000	38.953	2.6	95	0.00
63		Azobenzene	40.000	37.911	5.2	97	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.415	-3.5	99	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.283	4.3	97	0.00
67		4-Bromophenyl-phenylether	40.000	39.015	2.5	97	0.00
68		Hexachlorobenzene	40.000	39.789	0.5	99	0.00
69		Atrazine	40.000	31.945	20.1	94	0.00
70	C	Pentachlorophenol	40.000	41.955	-4.9	97	0.00
71		Phenanthrene	40.000	38.357	4.1	97	0.00
72		Anthracene	40.000	37.991	5.0	95	0.00
73		Carbazole	40.000	38.167	4.6	95	0.00
74		Di-n-butylphthalate	40.000	38.717	3.2	99	0.00
75	C	Fluoranthene	40.000	37.545	6.1	94	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	92	0.00
77		Benzidine	40.000	57.513	-43.8#	103	0.00
78		Pyrene	40.000	38.539	3.7	95	0.00
79	S	Terphenyl-d14	80.000	79.748	0.3	97	0.00
80		Butylbenzylphthalate	40.000	40.778	-1.9	97	0.00
81		Benzo(a)anthracene	40.000	39.211	2.0	93	0.00
82		3,3'-Dichlorobenzidine	40.000	38.337	4.2	90	0.00
83		Chrysene	40.000	37.195	7.0	90	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.142	-2.9	98	0.00
85	c	Di-n-octyl phthalate	40.000	40.971	-2.4	97	0.00
86	I	Perylene-d12	20.000	20.000	0.0	91	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.467	3.8	88	0.00
88		Benzo(b)fluoranthene	40.000	39.906	0.2	103	0.00
89		Benzo(k)fluoranthene	40.000	34.765	13.1	77	0.00
90	C	Benzo(a)pyrene	40.000	38.612	3.5	91	0.00
91		Dibenzo(a,h)anthracene	40.000	38.931	2.7	88	0.00
92		Benzo(g,h,i)perylene	40.000	38.051	4.9	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = 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-BM031325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 14:55:34 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM049706.D 5 =BM049707.D 10 =BM049708.D 20 =BM049709.D 40 =BM049710.D 50 =BM049711.D 60 =BM049712.D 80 =BM0497
13.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.503	0.485	0.525	0.497	0.512	0.528	0.541	0.513	3.81
3)		Pyridine		1.250	1.282	1.329	1.299	1.307	1.352	1.353	1.310	2.88
4)		n-Nitrosodimet...		0.546	0.572	0.600	0.565	0.584	0.600	0.592	0.580	3.48
5)	S	2-Fluorophenol		1.027	1.092	1.201	1.176	1.239	1.275	1.288	1.185	8.14
6)		Aniline		1.219	1.276	1.306	1.221	1.246	1.246	1.209	1.246	2.78
7)	S	Phenol-d6		1.325	1.383	1.498	1.470	1.553	1.580	1.603	1.487	6.93
8)		2-Chlorophenol		1.091	1.111	1.193	1.148	1.209	1.226	1.237	1.174	4.89
9)		Benzaldehyde			0.864	0.830	0.683	0.685	0.615		0.735	14.48
10)	C	Phenol		1.356	1.372	1.463	1.400	1.478	1.509	1.518	1.442	4.56
11)		bis(2-Chloroet...		1.132	1.141	1.189	1.122	1.178	1.201	1.212	1.168	3.06
12)		1,3-Dichlorobe...		1.376	1.380	1.438	1.367	1.462	1.471	1.491	1.426	3.60
13)	C	1,4-Dichlorobe...		1.384	1.386	1.470	1.390	1.460	1.483	1.501	1.439	3.52
14)		1,2-Dichlorobe...		1.307	1.325	1.405	1.330	1.397	1.398	1.412	1.368	3.27
15)		Benzyl Alcohol		0.818	0.862	0.932	0.929	0.977	0.996	1.019	0.933	7.78
16)		2,2'-oxybis(1-...		1.386	1.374	1.425	1.323	1.367	1.364	1.368	1.373	2.21
17)		2-Methylphenol		0.769	0.805	0.876	0.847	0.890	0.899	0.909	0.856	6.09
18)		Hexachloroethane		0.481	0.488	0.512	0.499	0.522	0.521	0.535	0.508	3.87
19)	P	n-Nitroso-di-n...	0.766	0.820	0.815	0.892	0.867	0.901	0.914	0.925	0.863	6.54
20)		3+4-Methylphenols		1.022	1.077	1.168	1.139	1.183	1.211	1.234	1.148	6.55
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.480	0.483	0.516	0.506	0.527	0.548	0.549	0.516	5.43
23)	S	Nitrobenzene-d5		0.343	0.361	0.392	0.385	0.403	0.420	0.422	0.390	7.57
24)		Nitrobenzene		0.340	0.341	0.375	0.360	0.375	0.389	0.392	0.367	5.79
25)		Isophorone		0.531	0.533	0.599	0.590	0.619	0.647	0.668	0.598	8.78
26)	C	2-Nitrophenol		0.115	0.129	0.153	0.158	0.171	0.181	0.188	0.156	17.03
27)		2,4-Dimethylph...		0.169	0.179	0.199	0.197	0.209	0.218	0.223	0.199	9.96
28)		bis(2-Chloroet...		0.399	0.389	0.430	0.407	0.431	0.440	0.453	0.421	5.57
29)	C	2,4-Dichloroph...		0.272	0.289	0.328	0.323	0.342	0.353	0.364	0.324	10.32
30)		1,2,4-Trichlor...		0.376	0.376	0.416	0.391	0.414	0.428	0.439	0.406	6.13
31)		Naphthalene		0.947	0.952	1.029	0.998	1.059	1.097	1.117	1.028	6.50
32)		Benzoic acid			0.122	0.144	0.164	0.179	0.199	0.208	0.169	19.39
33)		4-Chloroaniline		0.315	0.329	0.359	0.350	0.357	0.371	0.377	0.351	6.34
34)	C	Hexachlorobuta...		0.224	0.229	0.254	0.243	0.261	0.267	0.276	0.250	7.76
35)		Caprolactam		0.058	0.061	0.073	0.078	0.079	0.087	0.090	0.075	16.14
36)	C	4-Chloro-3-met...		0.233	0.240	0.273	0.281	0.289	0.310	0.323	0.278	12.01
37)		2-Methylnaphth...		0.663	0.656	0.713	0.704	0.735	0.768	0.794	0.719	7.10
38)		1-Methylnaphth...		0.639	0.640	0.684	0.675	0.711	0.741	0.765	0.694	6.96

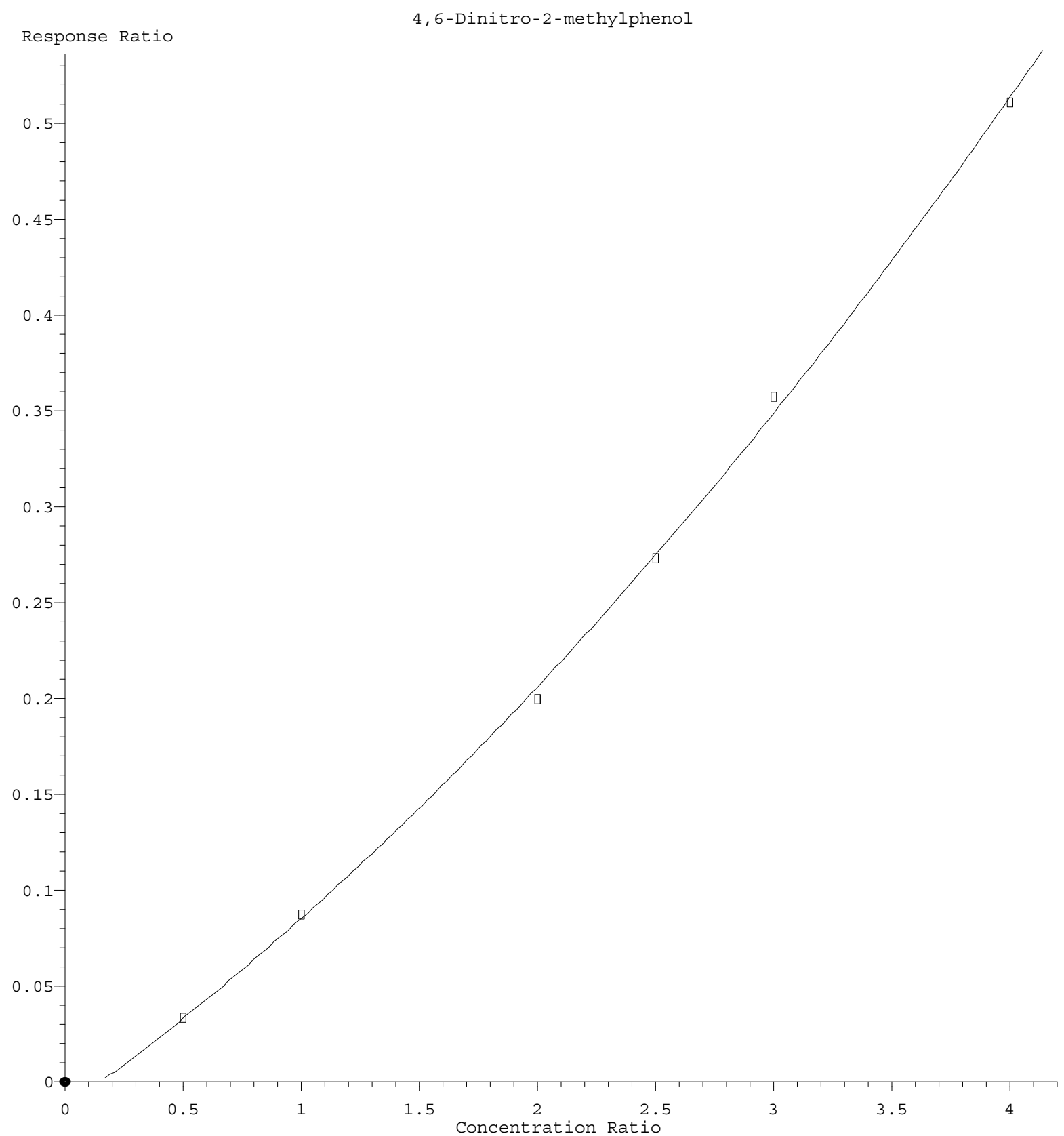
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM031325.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.633	0.653	0.724	0.720	0.781	0.799	0.833	0.735	10.17
41)	P	Hexachlorocycl...	0.223	0.232	0.266	0.275	0.300	0.300	0.309	0.272	12.53
42)	S	2,4,6-Tribromo...	0.173	0.193	0.226	0.250	0.270	0.289		0.234	19.21
43)	C	2,4,6-Trichlor...	0.315	0.344	0.404	0.418	0.448	0.465	0.485	0.411	15.24
44)		2,4,5-Trichlor...	0.358	0.385	0.443	0.458	0.478	0.504	0.517	0.449	13.13
45)	S	2-Fluorobiphenyl	1.388	1.419	1.563	1.587	1.696	1.744	1.781	1.597	9.62
46)		1,1'-Biphenyl	1.398	1.399	1.539	1.523	1.606	1.642	1.683	1.541	7.28
47)		2-Chloronaphth...	1.085	1.115	1.194	1.177	1.244	1.283	1.301	1.200	6.80
48)		2-Nitroaniline	0.193	0.225	0.262	0.280	0.294	0.312	0.320	0.269	17.26
49)		Acenaphthylene	1.455	1.502	1.656	1.671	1.755	1.823	1.877	1.677	9.36
50)		Dimethylphthalate	1.253	1.262	1.377	1.370	1.402	1.464	1.512	1.377	6.97
51)		2,6-Dinitrotol...	0.225	0.246	0.274	0.281	0.288	0.304	0.314	0.276	11.34
52)	C	Acenaphthene	0.979	0.985	1.072	1.101	1.145	1.194	1.223	1.100	8.69
53)		3-Nitroaniline	0.198	0.222	0.259	0.273	0.277	0.300	0.310	0.263	15.43
54)	P	2,4-Dinitrophenol		0.083	0.111	0.132	0.145	0.159	0.174	0.134	24.72
55)		Dibenzofuran	1.664	1.705	1.814	1.791	1.882	1.956	2.018	1.833	7.00
56)	P	4-Nitrophenol		0.172	0.210	0.233	0.232	0.257	0.267	0.229	15.05
57)		2,4-Dinitrotol...	0.260	0.294	0.345	0.371	0.379	0.411	0.425	0.355	17.00
58)		Fluorene	1.255	1.297	1.454	1.498	1.564	1.646	1.732	1.492	11.67
59)		2,3,4,6-Tetrac...	0.292	0.325	0.366	0.385	0.394	0.419	0.450	0.376	14.39
60)		Diethylphthalate	1.135	1.170	1.285	1.299	1.338	1.388	1.463	1.297	8.90
61)		4-Chlorophenyl...	0.666	0.702	0.783	0.818	0.870	0.902	0.963	0.815	13.12
62)		4-Nitroaniline	0.182	0.219	0.267	0.299	0.297	0.323	0.329	0.274	20.05
63)		Azobenzene	1.072	1.109	1.232	1.245	1.286	1.337	1.390	1.239	9.30
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.067	0.087	0.100	0.109	0.119	0.128	0.102	21.84
66)	c	n-Nitrosodiphe...	0.530	0.530	0.603	0.600	0.644	0.656	0.679	0.606	9.72
67)		4-Bromophenyl-...	0.192	0.201	0.227	0.226	0.249	0.251	0.270	0.231	12.13
68)		Hexachlorobenzene	0.229	0.232	0.253	0.251	0.274	0.281	0.297	0.260	9.77
69)		Atrazine	0.146	0.151	0.144	0.128	0.098			0.134	16.15
70)	C	Pentachlorophenol		0.118	0.145	0.161	0.171	0.185	0.200	0.163	17.87
71)		Phenanthrene	0.968	1.001	1.085	1.093	1.158	1.216	1.253	1.111	9.52
72)		Anthracene	0.892	0.933	1.055	1.066	1.144	1.193	1.246	1.076	12.13
73)		Carbazole	0.785	0.855	0.952	0.991	1.016	1.091	1.128	0.974	12.57
74)		Di-n-butylphth...	0.808	0.885	1.042	1.082	1.164	1.201	1.289	1.068	16.12
75)	C	Fluoranthene	0.974	1.060	1.203	1.300	1.353	1.482	1.579	1.279	17.01
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.185	0.287	0.210	0.273	0.219	0.267	0.240	17.00
78)		Pyrene	1.240	1.253	1.390	1.328	1.468	1.540	1.562	1.397	9.37
79)	S	Terphenyl-d14	0.978	1.021	1.204	1.207	1.352	1.374	1.171	1.187	12.60
80)		Butylbenzylpht...	0.323	0.352	0.428	0.432	0.482	0.491	0.527	0.434	17.19
81)		Benzo(a)anthra...	1.150	1.186	1.318	1.307	1.414	1.462	1.515	1.336	10.23
82)		3,3'-Dichlorob...		0.317	0.396	0.411	0.474	0.479	0.532	0.435	17.44
83)		Chrysene	1.072	1.134	1.259	1.242	1.333	1.390	1.436	1.266	10.41
84)		Bis(2-ethylhex...	0.491	0.541	0.678	0.678	0.771	0.748	0.824	0.676	17.97
85)	c	Di-n-octyl pht...		0.774	0.954	1.009	1.146	1.130	1.290	1.050	17.04

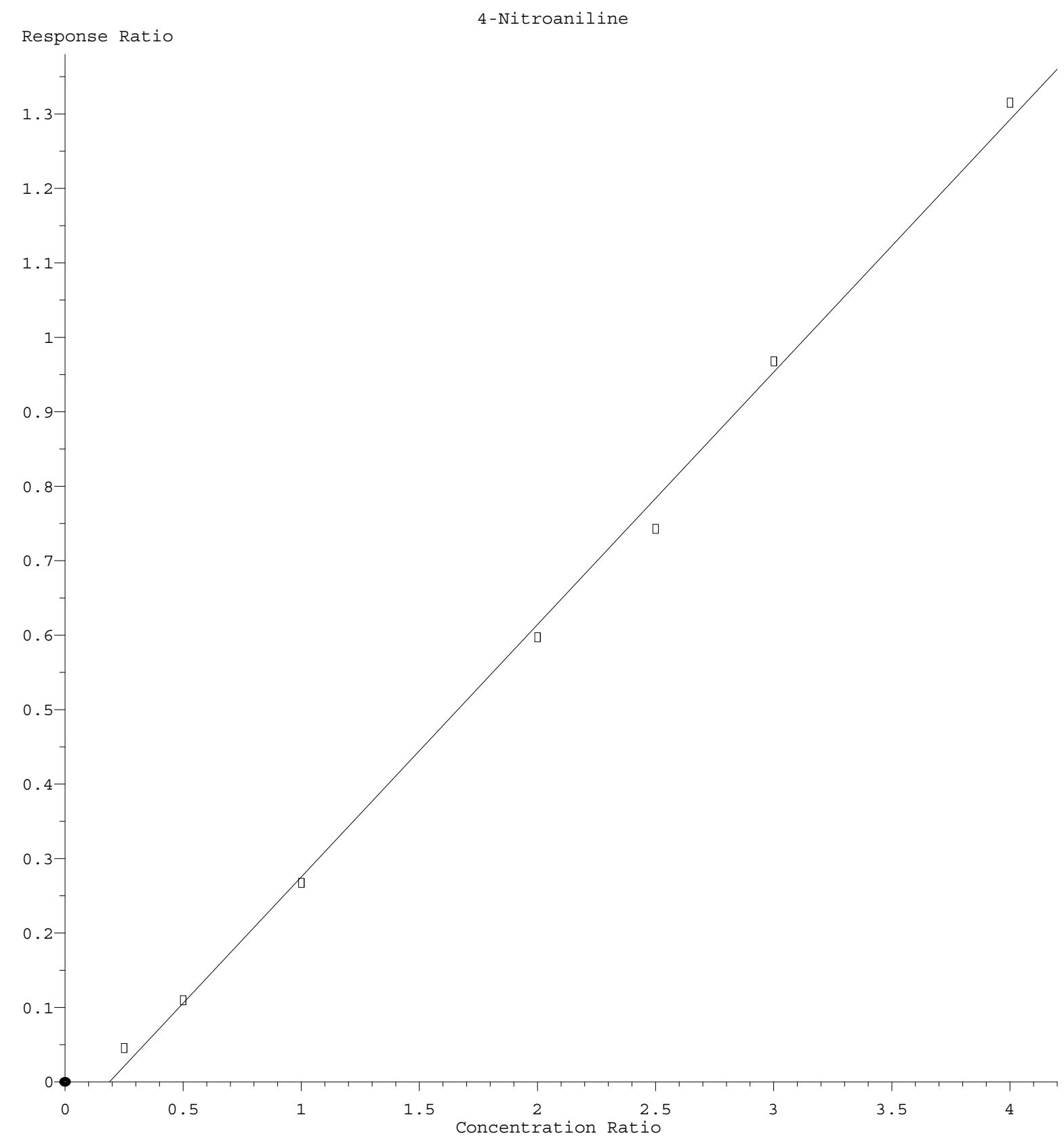
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM031325.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.135	1.213	1.382	1.431	1.567	1.630	1.720	1.440	14.96
88)		Benzo(b)fluora...	1.088	1.138	1.297	1.330	1.433	1.508	1.636	1.347	14.54
89)		Benzo(k)fluora...	1.086	1.148	1.294	1.291	1.408	1.479	1.573	1.325	13.16
90)	C	Benzo(a)pyrene	0.899	0.948	1.085	1.120	1.210	1.280	1.378	1.131	15.28
91)		Dibenzo(a,h)an...	0.940	1.023	1.151	1.188	1.299	1.354	1.440	1.199	14.94
92)		Benzo(g,h,i)pe...	0.990	1.043	1.173	1.203	1.296	1.345	1.407	1.208	12.76

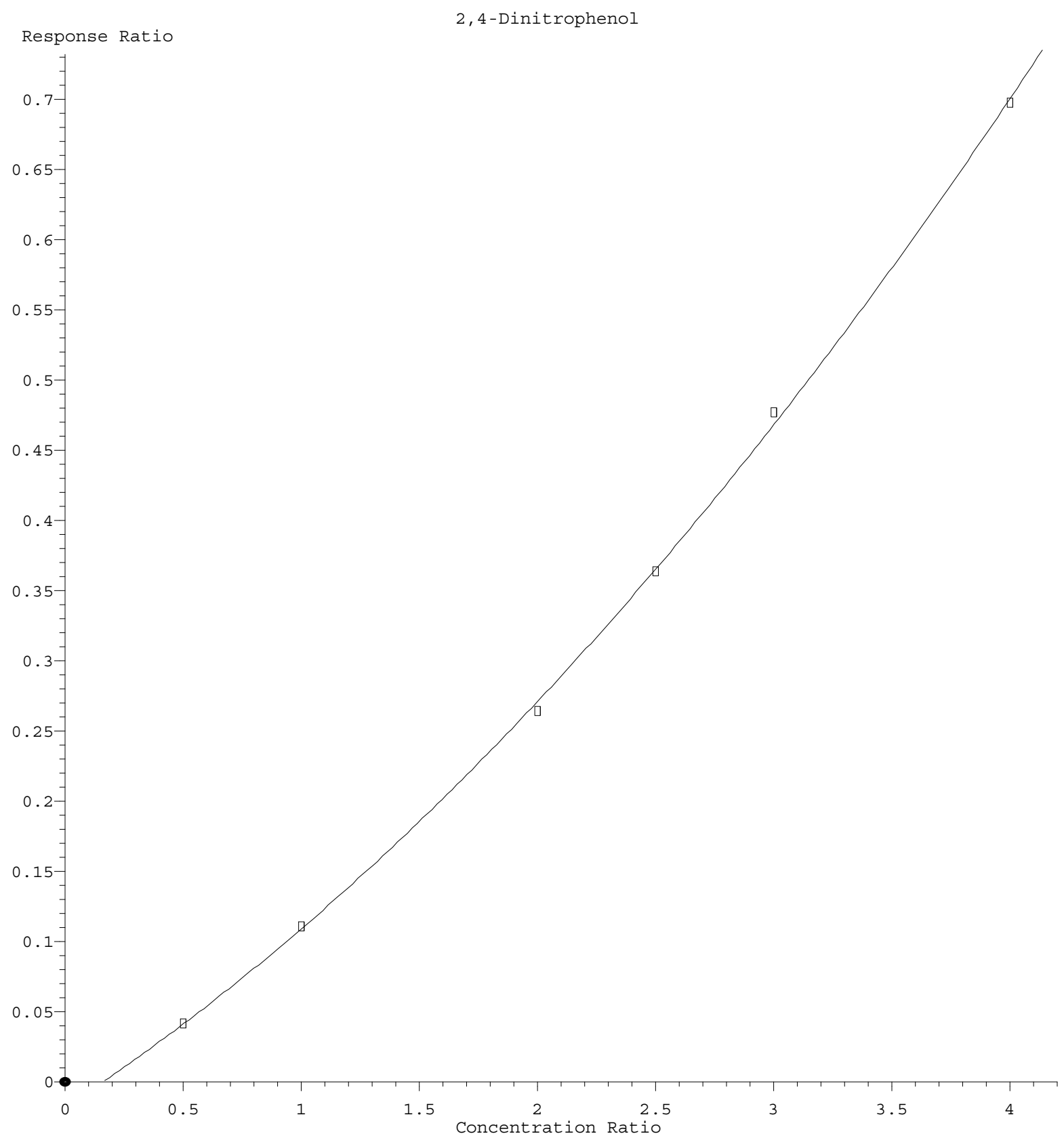
(#) = Out of Range



R = 1.100e-002 A*A + 8.778e-002 A - 1.348e-002
Coef of Det (r^2) = 0.999178 Curve Fit: Quadratic
Method: C:\HPCHEM\1\DATA\20v\HPCHEM1\BNA M\Methods\8270-BM031325.M
Calibration Table Last Updated: Thu Mar 13 14:55:34 2025



Response = 3.389e-001 * Amt - 6.367e-002
Coef of Det (r^2) = 0.997445 Curve Fit: Linear
Method: C:\Chem\1\Methods\8270-BM031325.M
Calibration Table Last Updated: Thu Mar 13 14:55:34 2025



R = 1.757e-002 A*A + 1.093e-001 A - 1.786e-002
Coef of Det (r^2) = 0.999531 Curve Fit: Quadratic
Method: NSVOC-TCL\BNA-20\\HPCHEM1\BNA M\Methods\8270-BM031325.M
Calibration Table Last Updated: Thu Mar 13 14:55:34 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049706.D
Acq On : 13 Mar 2025 09:02
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 13 14:38:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

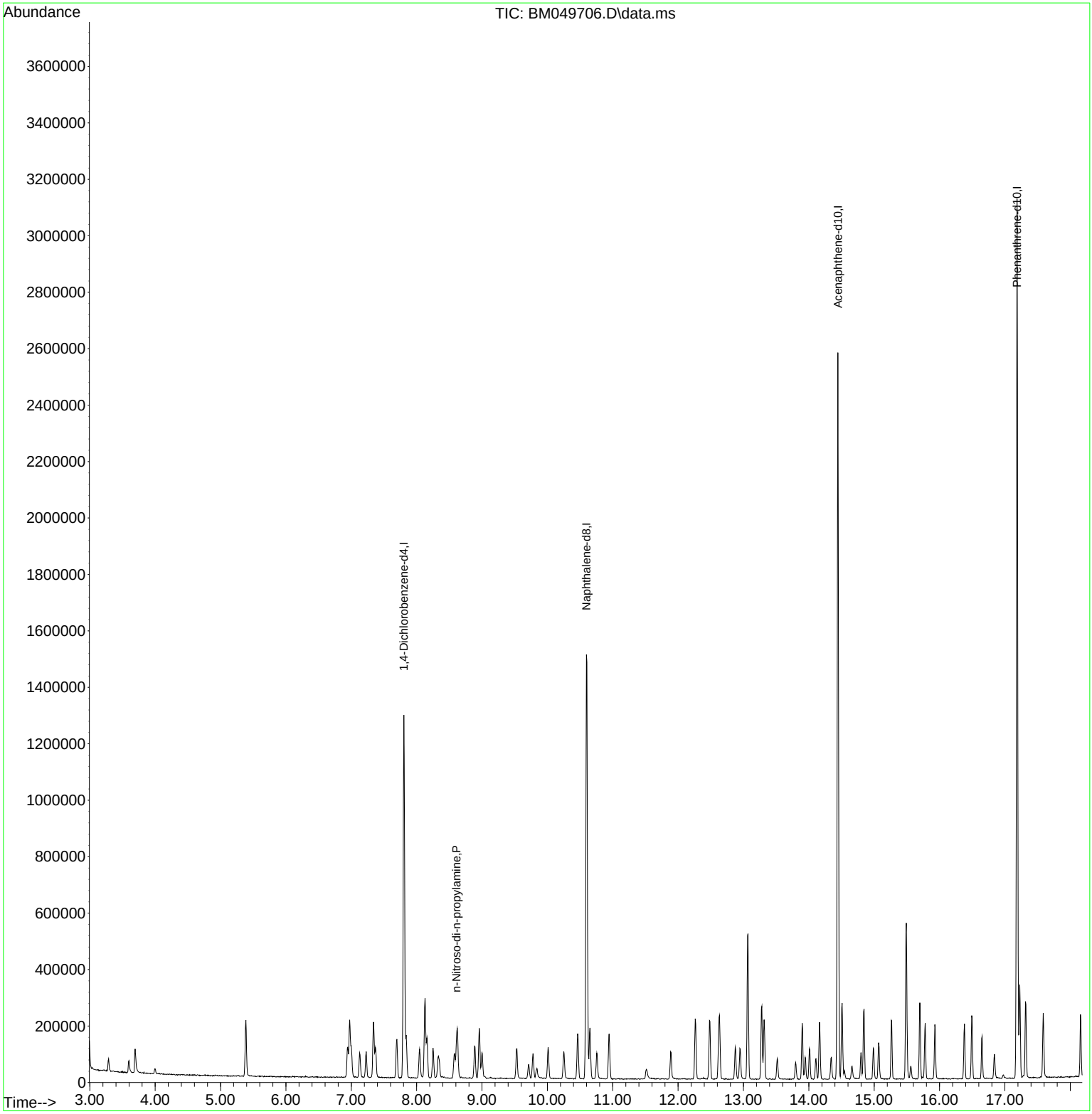
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	343337	20.000	ng	0.00
21) Naphthalene-d8	10.598	136	1223591	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	853260	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	1680850	20.000	ng	0.00
76) Chrysene-d12	21.427	240	1392908	20.000	ng	0.00
86) Perylene-d12	24.438	264	1220001	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...	8.610	70	32886	2.221	ng	# 90

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049706.D
Acq On : 13 Mar 2025 09:02
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

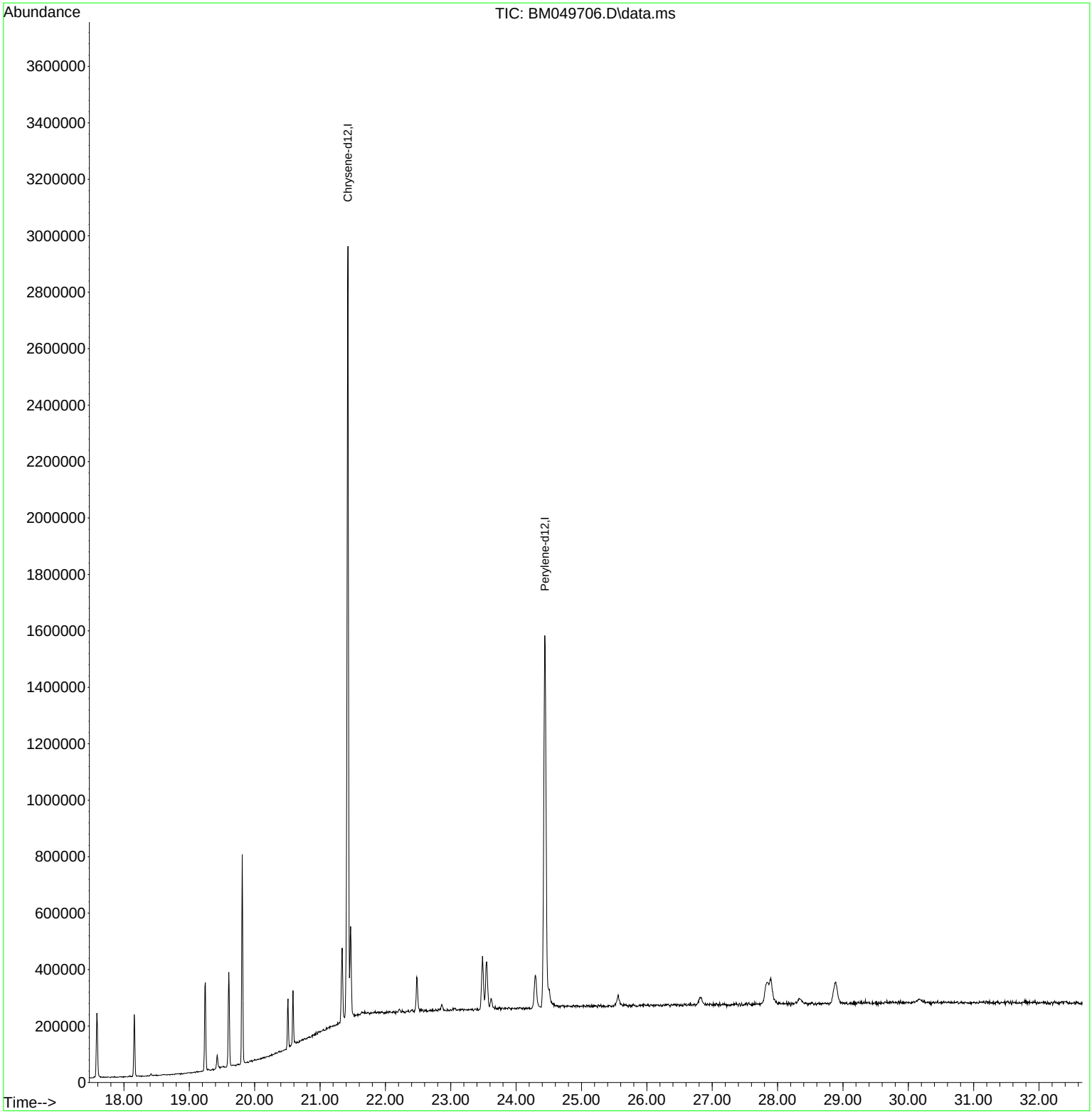
Quant Time: Mar 13 14:38:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

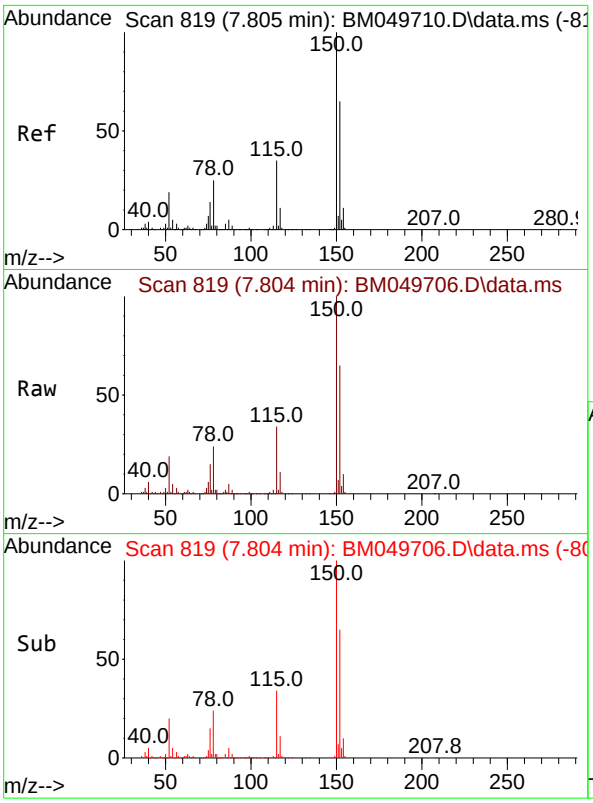


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049706.D
Acq On : 13 Mar 2025 09:02
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 13 14:38:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration



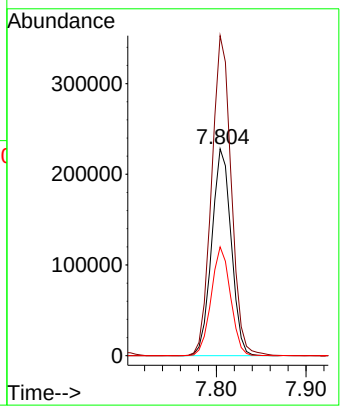


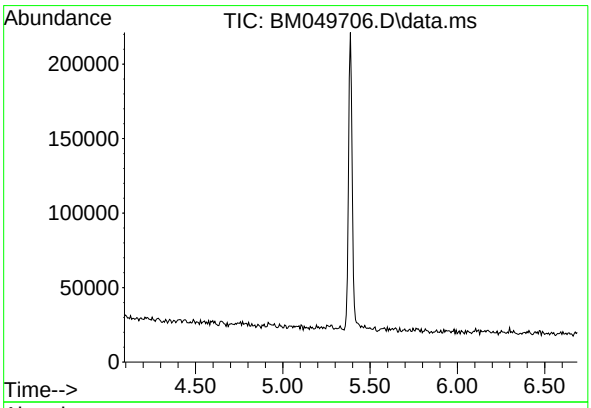
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.001 min
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 343337

Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.8	185.8
115	52.6	43.0	64.6



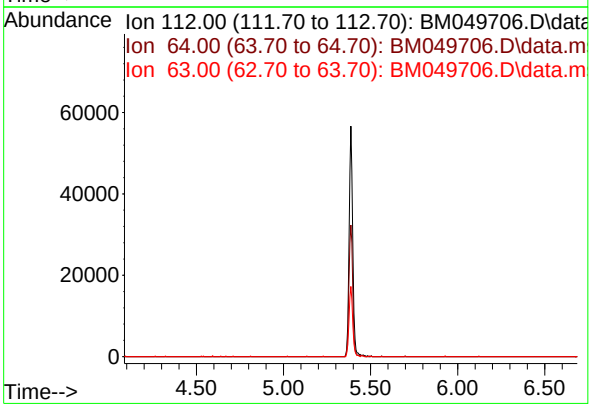


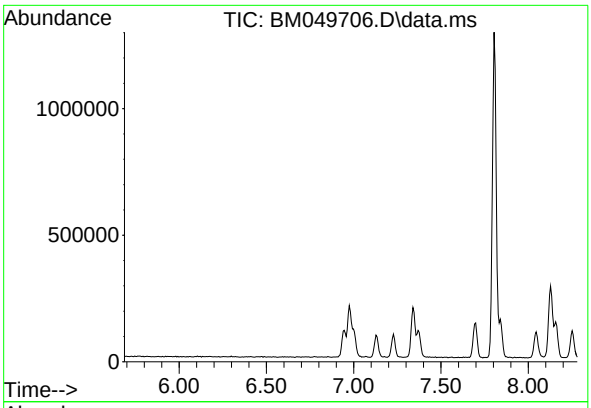
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.39 min

Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	56.6
63	30.5





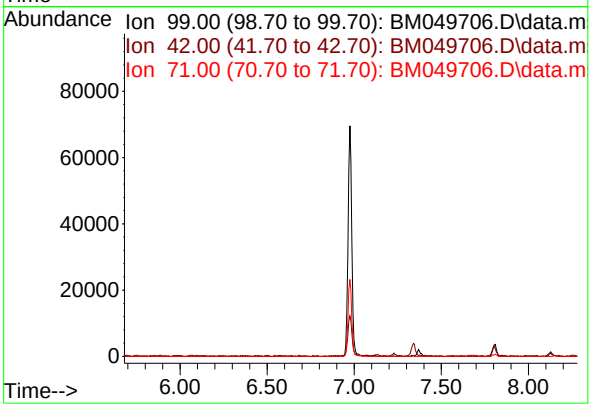
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.98 min

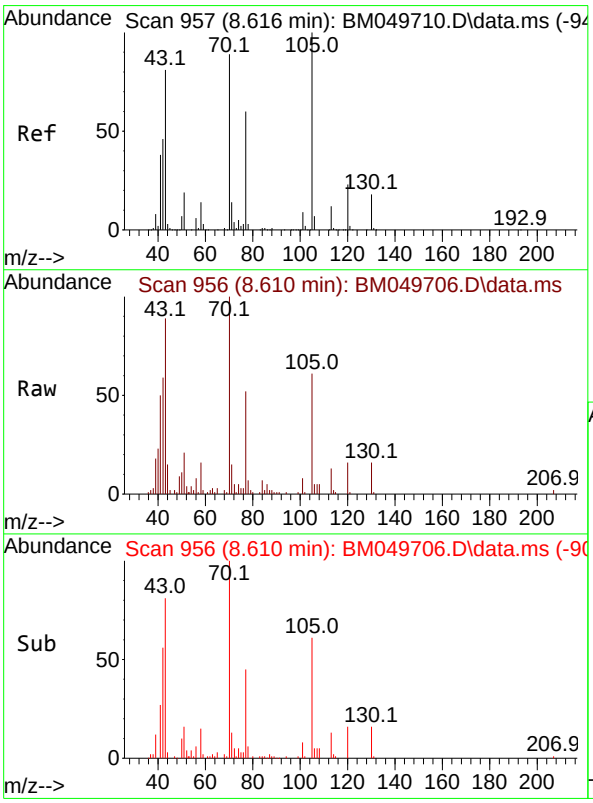
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	17.0
71	33.8

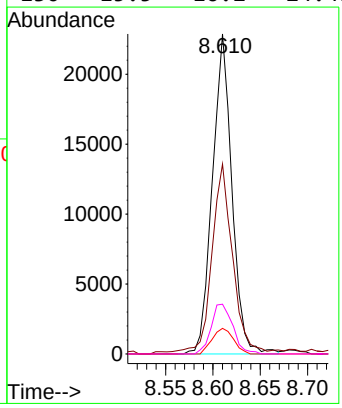


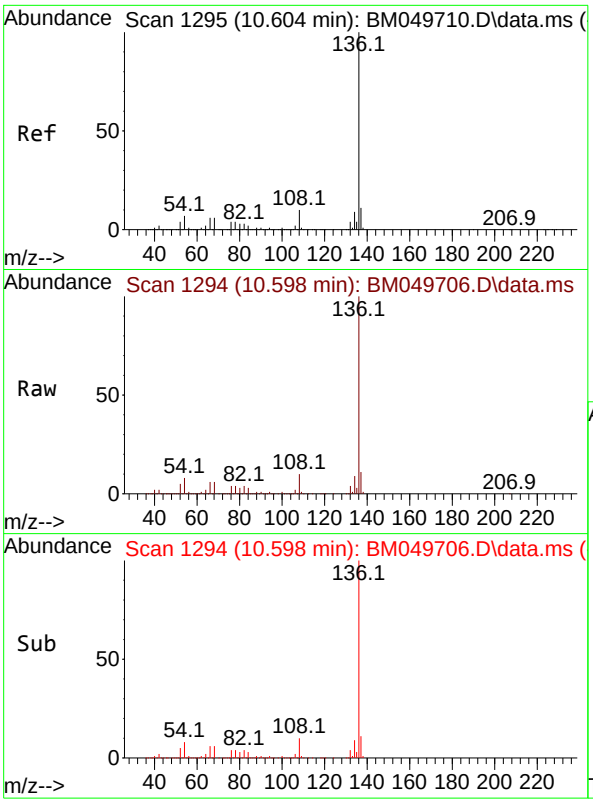


#19
n-Nitroso-di-n-propylamine
Concen: 2.221 ng
RT: 8.610 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Tgt Ion: 70 Resp: 32886

Ion	Ratio	Lower	Upper
70	100		
42	59.4	41.8	62.6
101	8.0	7.7	11.5
130	15.5	16.2	24.4#



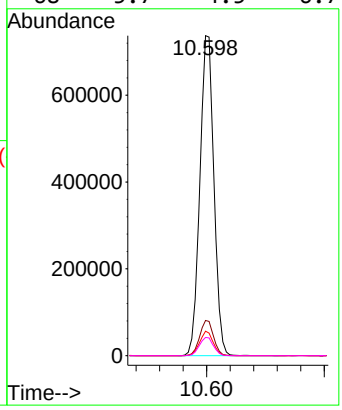


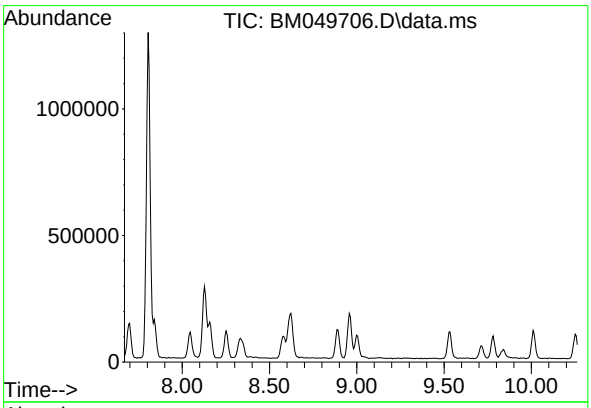
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1223591

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	7.6	5.8	8.8
68	5.7	4.5	6.7



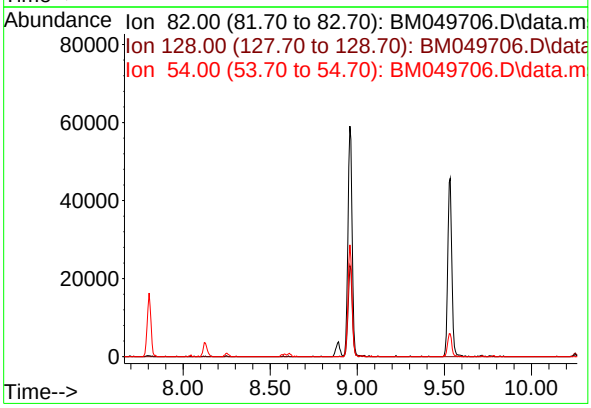


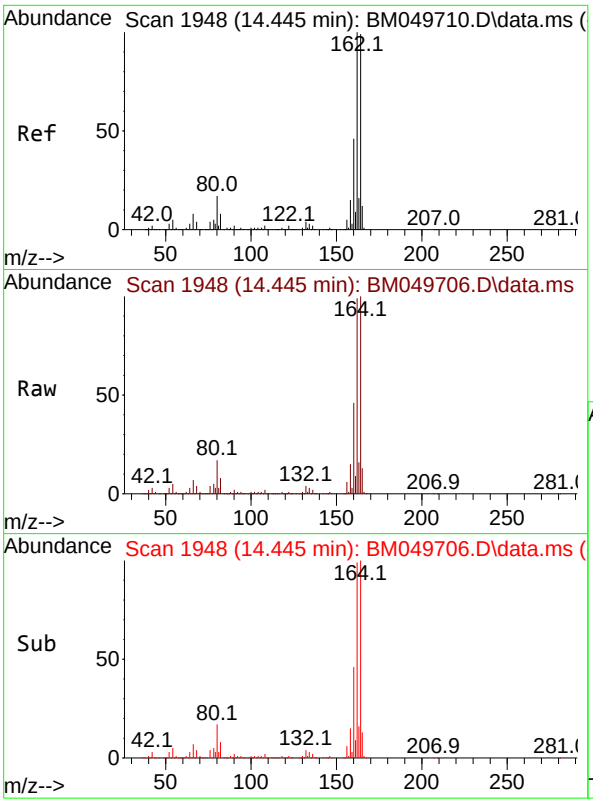
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.96 min

Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.7
54	45.5



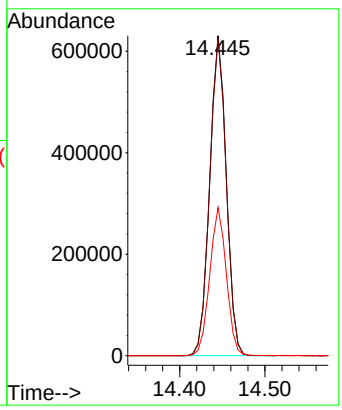


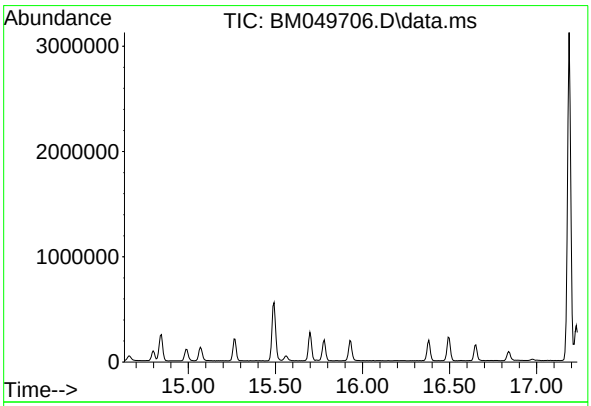
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 853260

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.5	120.7
160	46.3	36.9	55.3



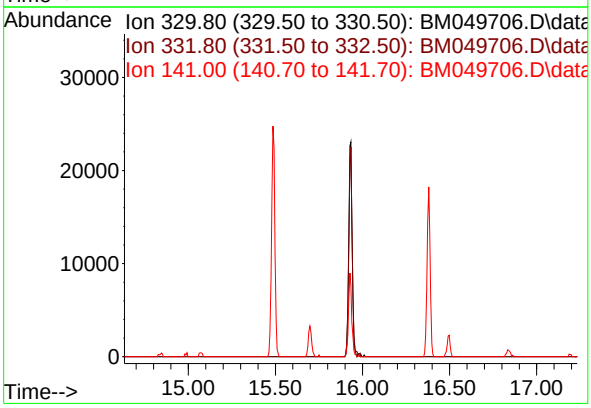


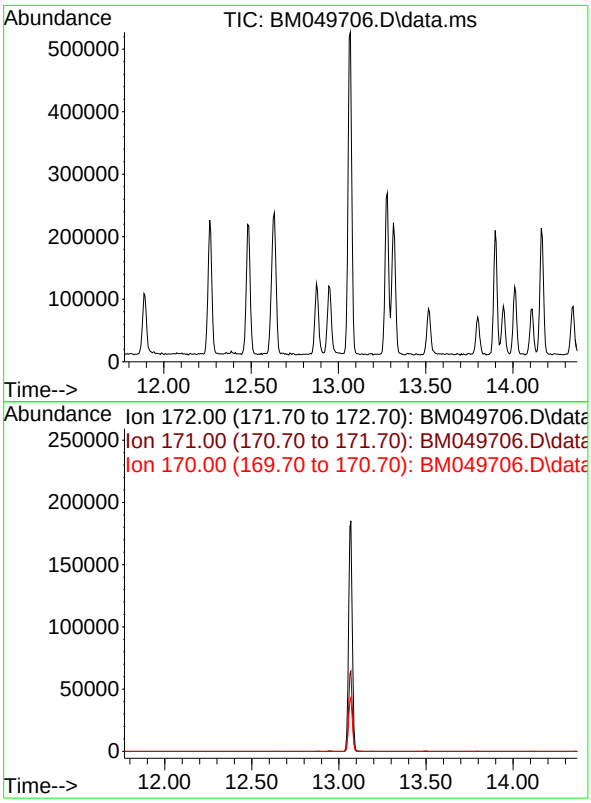
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.93 min

Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.2
141	34.7





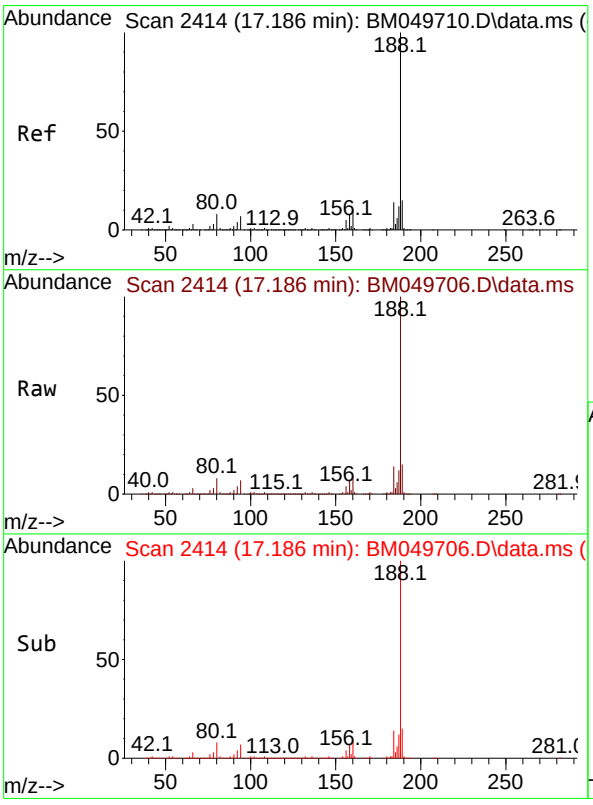
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.07 min

Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

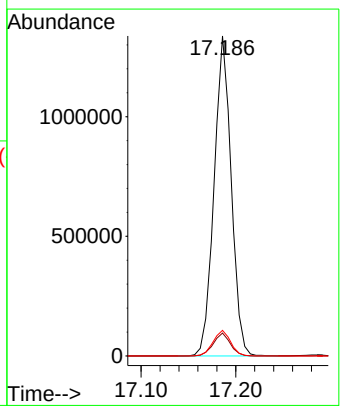
Sig	Exp Ratio
172	100
171	34.9
170	23.3

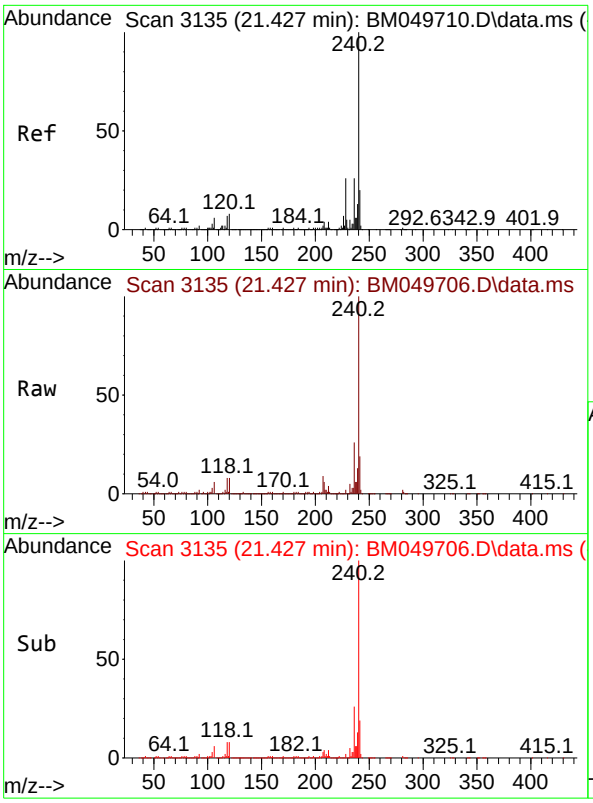


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Tgt Ion:188 Resp: 1680850

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	8.0	6.3	9.5



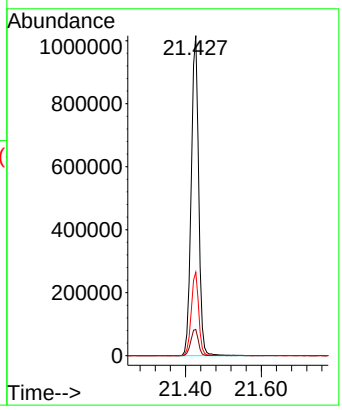


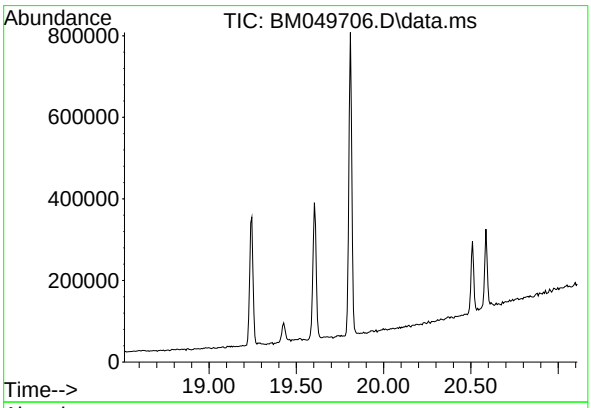
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1392908

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	26.1	20.7	31.1



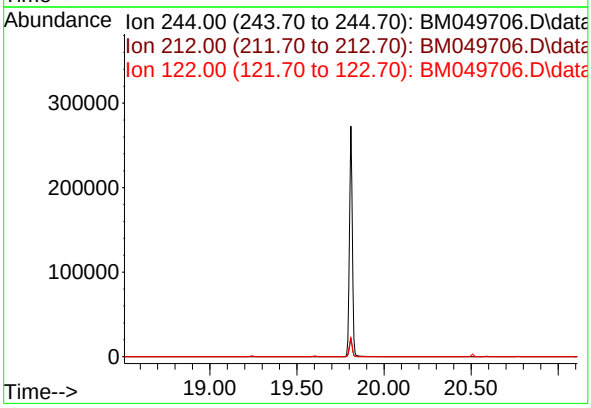


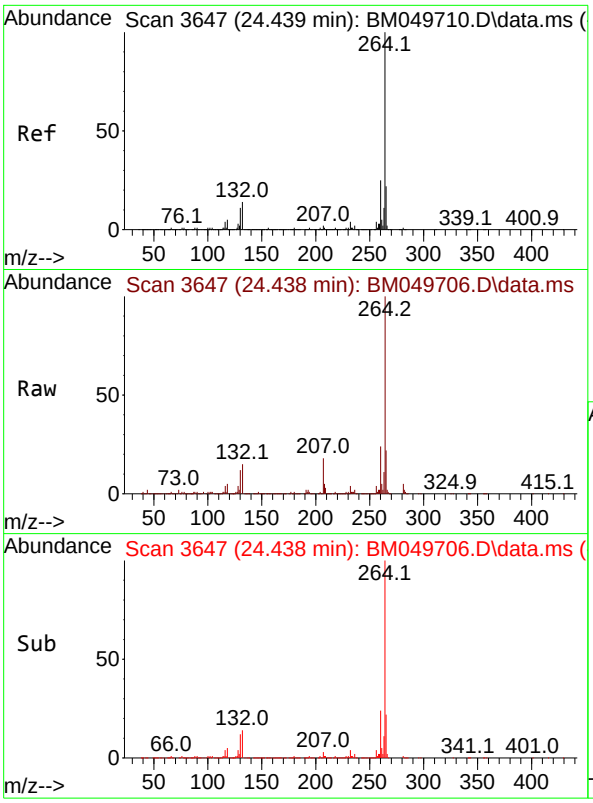
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.81 min

Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.2
122	7.5



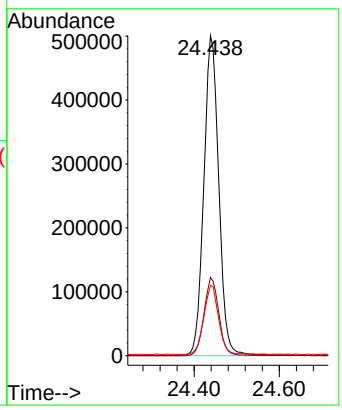


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.438 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049706.D
Acq: 13 Mar 2025 09:02

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1220001

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	22.0	18.2	27.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049707.D
Acq On : 13 Mar 2025 09:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:39:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	315304	20.000	ng		0.00
21) Naphthalene-d8	10.598	136	1116930	20.000	ng		0.00
39) Acenaphthene-d10	14.445	164	728283	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	1354361	20.000	ng		0.00
76) Chrysene-d12	21.421	240	1106026	20.000	ng		0.00
86) Perylene-d12	24.439	264	1012212	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.387	112	161841	8.661	ng		0.00
7) Phenol-d6	6.975	99	208927	8.909	ng		0.00
23) Nitrobenzene-d5	8.957	82	191476	8.802	ng		0.00
42) 2,4,6-Tribromophenol	15.933	330	63003	7.408	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	505509	8.693	ng		0.00
79) Terphenyl-d14	19.809	244	541048	8.243	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.287	88	39656	4.902	ng		98
3) Pyridine	3.687	79	98528	4.763	ng		91
4) n-Nitrosodimethylamine	3.593	42	43004	4.705	ng	#	97
6) Aniline	7.128	93	96090	4.891	ng		99
8) 2-Chlorophenol	7.375	128	86029	4.649	ng		98
10) Phenol	7.004	94	106862	4.700	ng		97
11) bis(2-Chloroethyl)ether	7.228	93	89246	4.847	ng		99
12) 1,3-Dichlorobenzene	7.693	146	108468	4.823	ng		97
13) 1,4-Dichlorobenzene	7.840	146	109071	4.808	ng		97
14) 1,2-Dichlorobenzene	8.157	146	103023	4.778	ng		96
15) Benzyl Alcohol	8.045	79	64489	4.382	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	109281	5.050	ng		99
17) 2-Methylphenol	8.251	107	60631	4.491	ng		96
18) Hexachloroethane	8.892	117	37900	4.731	ng		93
19) n-Nitroso-di-n-propyla...	8.610	70	64645	4.754	ng		98
20) 3+4-Methylphenols	8.581	107	80556	4.453	ng		97
22) Acetophenone	8.622	105	133969	4.652	ng	#	96
24) Nitrobenzene	9.004	77	94934	4.628	ng		97
25) Isophorone	9.534	82	148174	4.436	ng		99
26) 2-Nitrophenol	9.716	139	32167	3.684	ng		99
27) 2,4-Dimethylphenol	9.781	122	47084	4.237	ng		98
28) bis(2-Chloroethoxy)met...	10.010	93	111446	4.737	ng		99
29) 2,4-Dichlorophenol	10.251	162	75855	4.189	ng		94
30) 1,2,4-Trichlorobenzene	10.469	180	105127	4.640	ng		97
31) Naphthalene	10.651	128	264426	4.604	ng		100
33) 4-Chloroaniline	10.757	127	87915	4.485	ng		99
34) Hexachlorobutadiene	10.945	225	62601	4.476	ng		99
35) Caprolactam	11.516	113	16257	3.867	ng		96
36) 4-Chloro-3-methylphenol	11.892	107	64969	4.181	ng		98
37) 2-Methylnaphthalene	12.263	142	185233	4.612	ng		98
38) 1-Methylnaphthalene	12.486	142	178536	4.608	ng		99
40) 1,2,4,5-Tetrachloroben...	12.633	216	115183	4.306	ng		100
41) Hexachlorocyclopentadiene	12.622	237	40661	4.103	ng		99
43) 2,4,6-Trichlorophenol	12.875	196	57349	3.828	ng		97
44) 2,4,5-Trichlorophenol	12.951	196	65204	3.988	ng		99
46) 1,1'-Biphenyl	13.275	154	254537	4.535	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049707.D
Acq On : 13 Mar 2025 09:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:39:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	13.316	162	197502	4.521	ng		98
48) 2-Nitroaniline	13.516	65	35130	3.582	ng		91
49) Acenaphthylene	14.163	152	264860	4.337	ng		100
50) Dimethylphthalate	13.898	163	228046	4.548	ng		99
51) 2,6-Dinitrotoluene	14.010	165	40941	4.075	ng		97
52) Acenaphthene	14.510	154	178205m	4.454	ng		
53) 3-Nitroaniline	14.345	138	36003	3.766	ng	#	96
55) Dibenzofuran	14.845	168	302949	4.539	ng		99
57) 2,4-Dinitrotoluene	14.798	165	47346	3.662	ng	#	93
58) Fluorene	15.492	166	228548	4.206	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.069	232	53081	3.879	ng		98
60) Diethylphthalate	15.263	149	206708	4.377	ng		99
61) 4-Chlorophenyl-phenyle...	15.486	204	121289	4.087	ng		95
62) 4-Nitroaniline	15.498	138	33080	6.438	ng		94
63) Azobenzene	15.780	77	195248	4.328	ng		99
66) n-Nitrosodiphenylamine	15.698	169	179325	4.370	ng		98
67) 4-Bromophenyl-phenylether	16.380	248	65014	4.158	ng		98
68) Hexachlorobenzene	16.498	284	77673	4.417	ng		97
69) Atrazine	16.651	200	49560	5.480	ng		96
71) Phenanthrene	17.227	178	327755	4.358	ng		99
72) Anthracene	17.315	178	302012	4.147	ng		98
73) Carbazole	17.586	167	265668	4.028	ng		99
74) Di-n-butylphthalate	18.157	149	273661	3.785	ng		99
75) Fluoranthene	19.245	202	329851	3.810	ng		99
78) Pyrene	19.604	202	342964	4.438	ng		99
80) Butylbenzylphthalate	20.509	149	89358	3.726	ng		99
81) Benzo(a)anthracene	21.403	228	317845	4.302	ng		99
83) Chrysene	21.468	228	296298	4.231	ng		99
84) Bis(2-ethylhexyl)phtha...	21.339	149	135712	3.631	ng		97
87) Indeno(1,2,3-cd)pyrene	27.832	276	287160	3.942	ng	#	88
88) Benzo(b)fluoranthene	23.486	252	275289	4.038	ng	#	99
89) Benzo(k)fluoranthene	23.544	252	274827	4.097	ng		97
90) Benzo(a)pyrene	24.297	252	227436	3.972	ng		98
91) Dibenzo(a,h)anthracene	27.897	278	237863	3.919	ng		98
92) Benzo(g,h,i)perylene	28.891	276	250396	4.095	ng		98

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

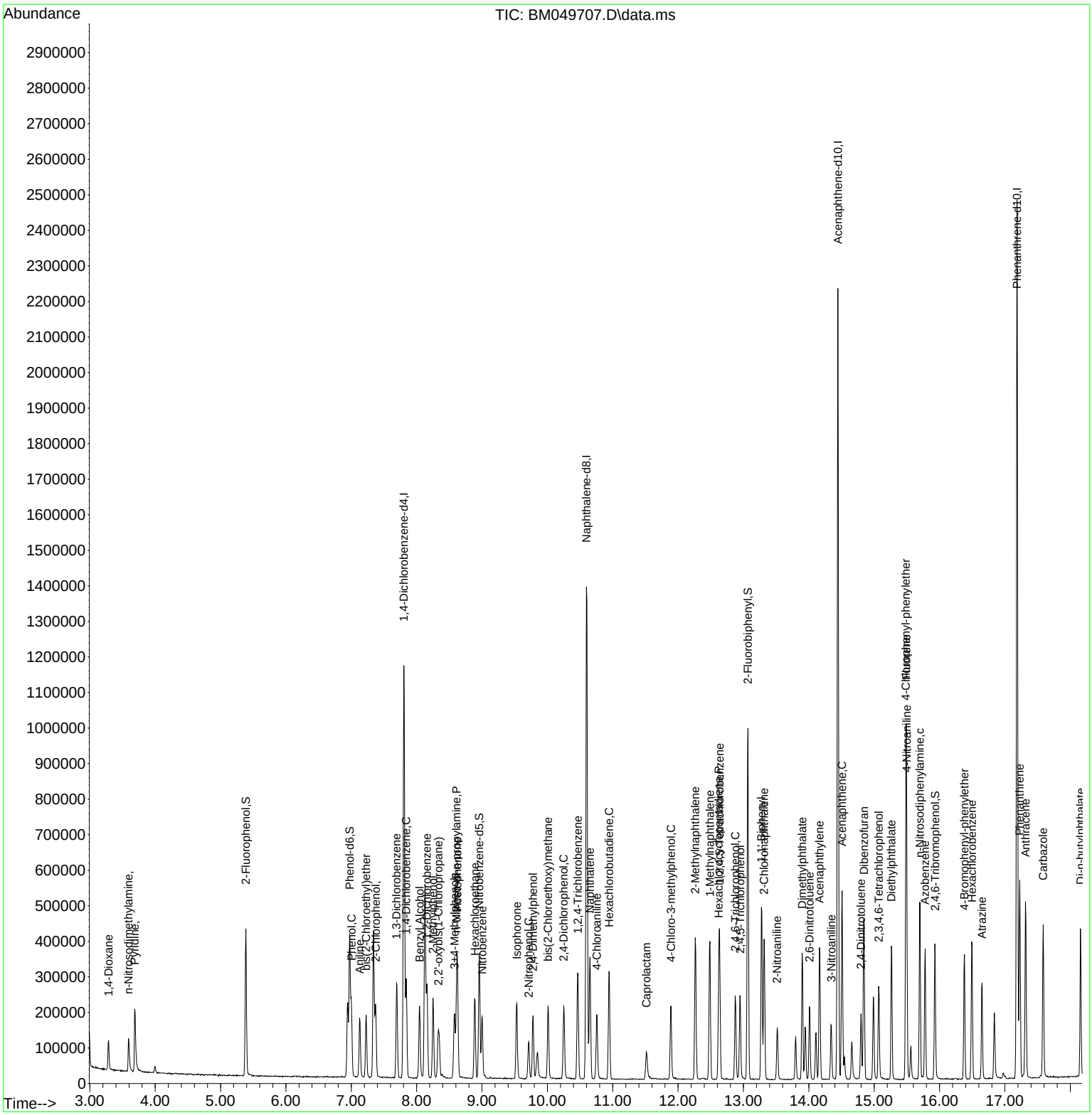
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049707.D
Acq On : 13 Mar 2025 09:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 13 14:39:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



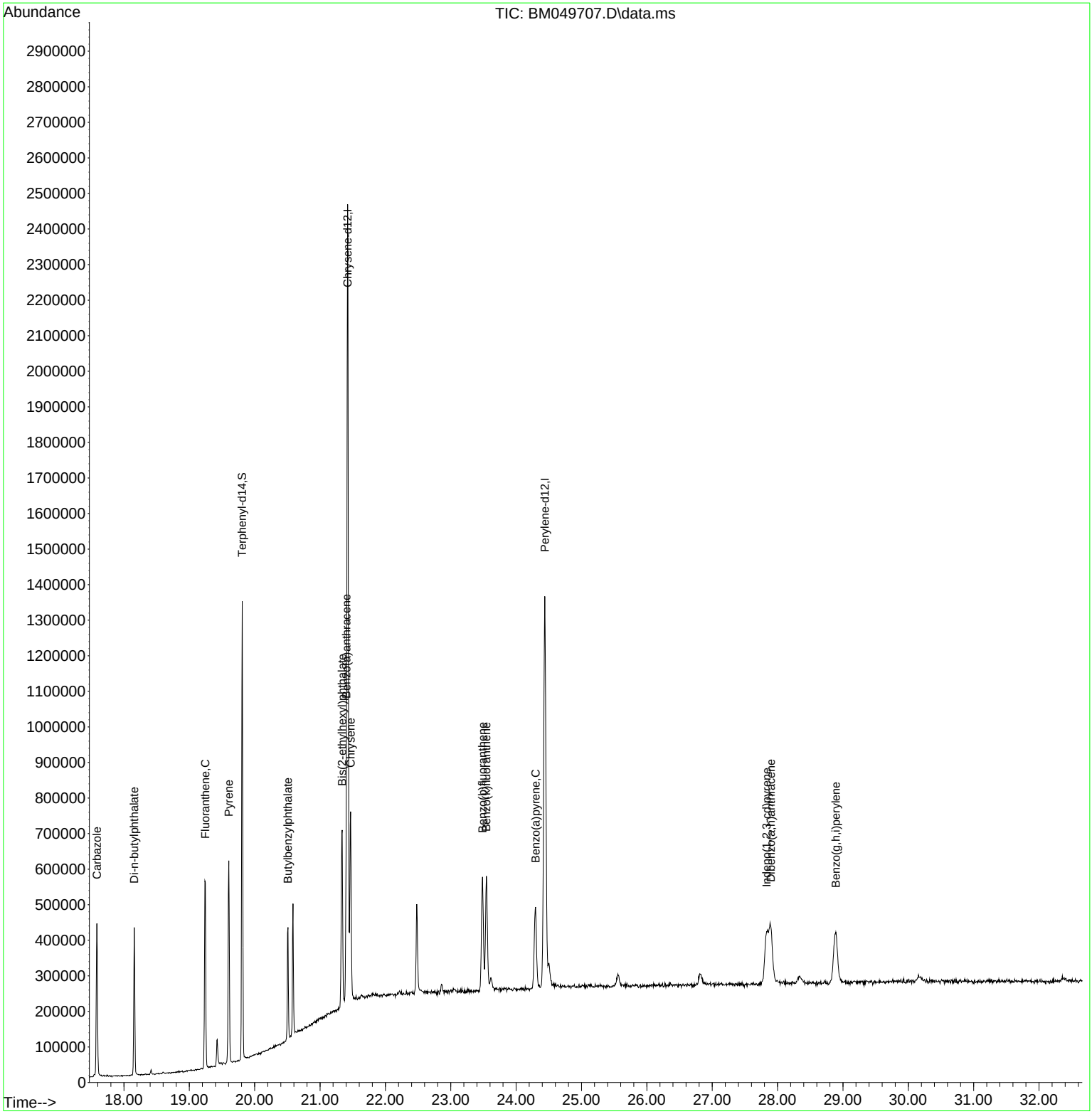
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049707.D
Acq On : 13 Mar 2025 09:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

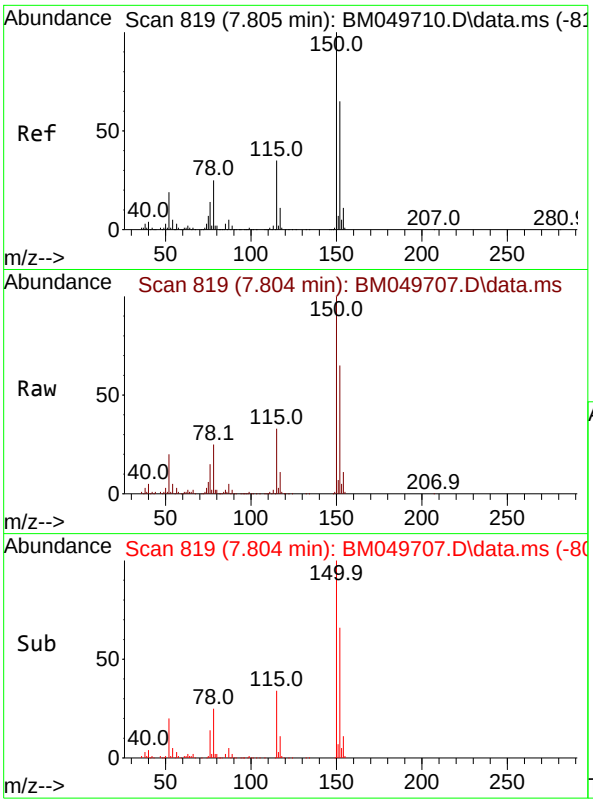
Quant Time: Mar 13 14:39:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

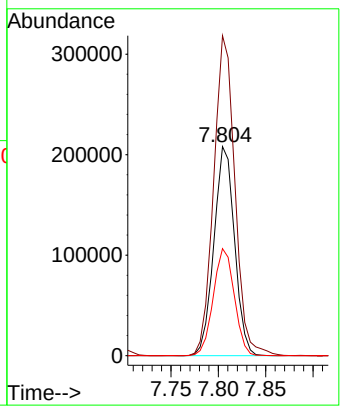




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 8
Delta R.T. -0.001 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:152 Resp: 31530

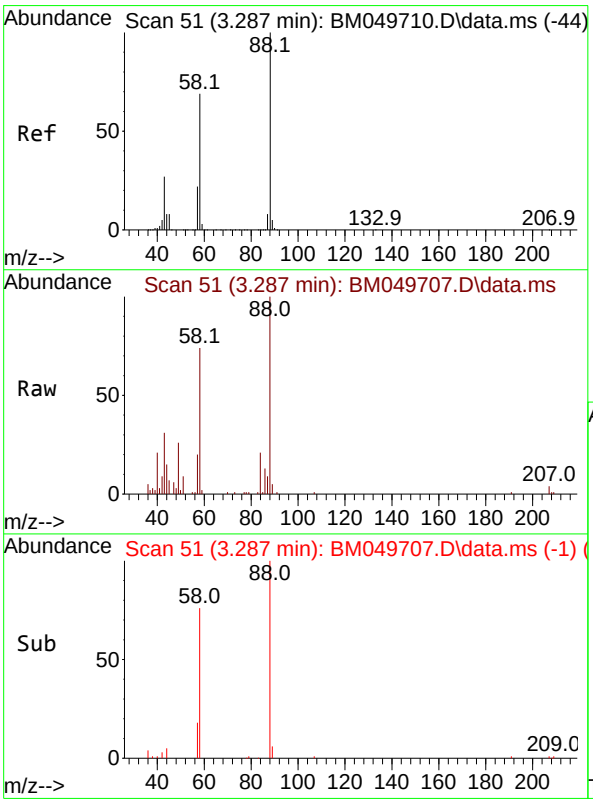
Ion	Ratio	Lower	Upper
152	100		
150	153.0	123.8	185.8
115	51.2	43.0	64.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

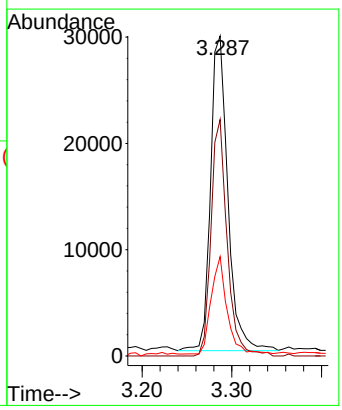
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

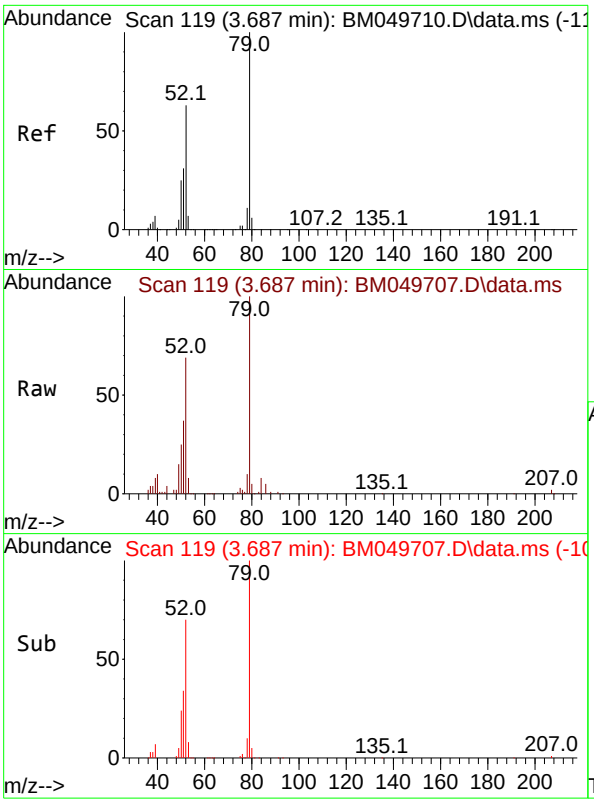


#2
1,4-Dioxane
Concen: 4.902 ng
RT: 3.287 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 88 Resp: 39656

Ion	Ratio	Lower	Upper
88	100		
58	69.7	56.7	85.1
43	31.0	22.6	34.0

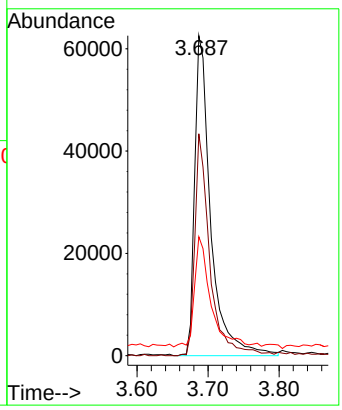




#3
Pyridine
Concen: 4.763 ng
RT: 3.687 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 79 Resp: 9852

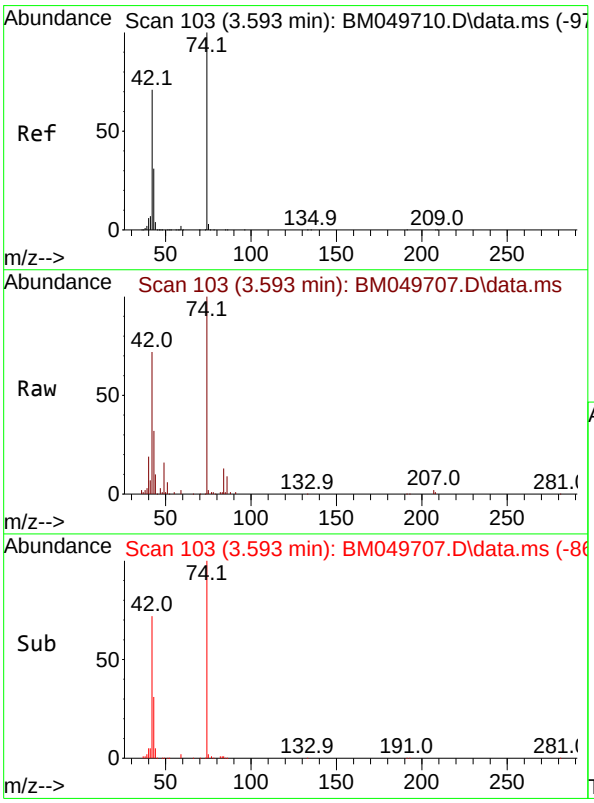
Ion	Ratio	Lower	Upper
79	100		
52	69.3	50.1	75.1
51	37.2	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

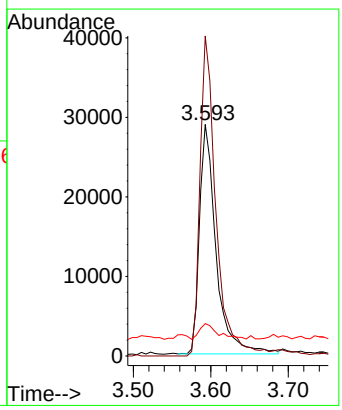
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

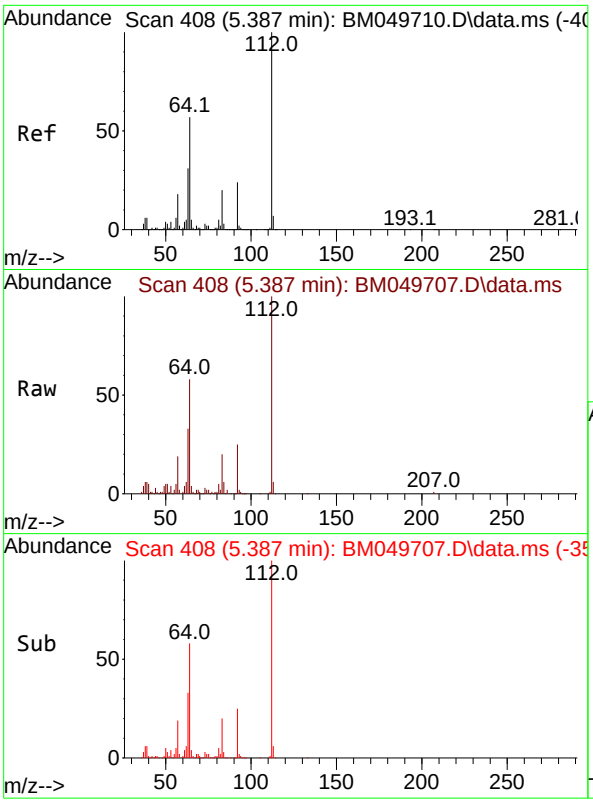


#4
n-Nitrosodimethylamine
Concen: 4.705 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 42 Resp: 43004

Ion	Ratio	Lower	Upper
42	100		
74	138.2	112.6	168.8
44	14.0	5.0	7.6#

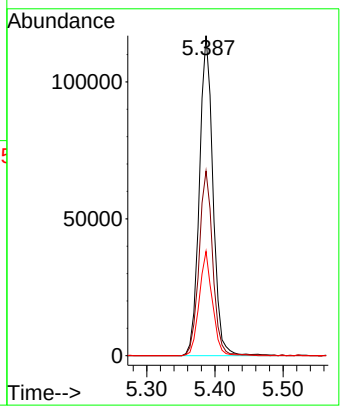




#5
2-Fluorophenol
Concen: 8.661 ng
RT: 5.387 min Scan# 4(
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:112 Resp: 16184

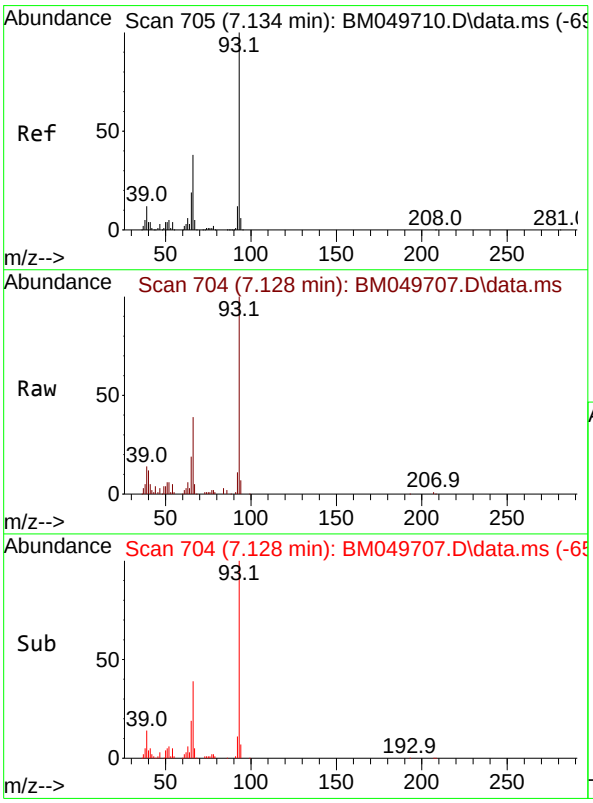
Ion	Ratio	Lower	Upper
112	100		
64	57.7	45.3	67.9
63	32.6	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

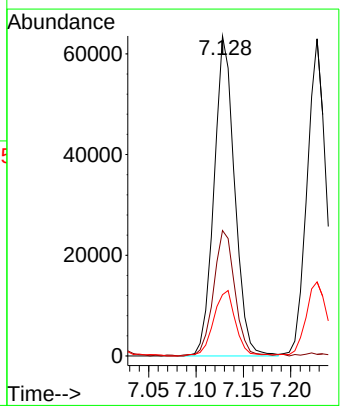
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

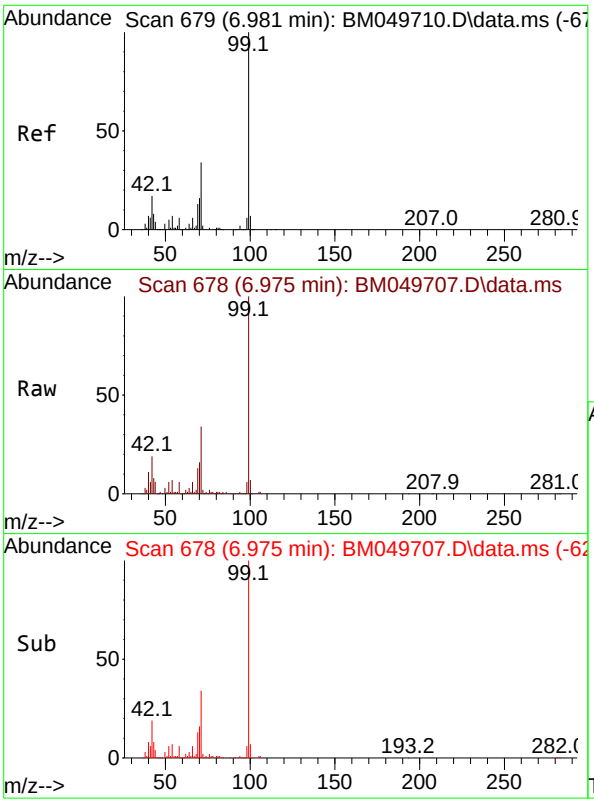


#6
Aniline
Concen: 4.891 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 93 Resp: 96090

Ion	Ratio	Lower	Upper
93	100		
66	39.2	30.6	46.0
65	19.2	15.4	23.2

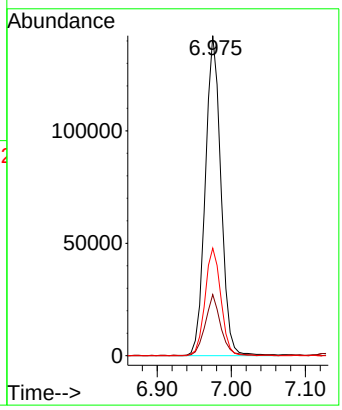




#7
Phenol-d6
Concen: 8.909 ng
RT: 6.975 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 99 Resp: 20892

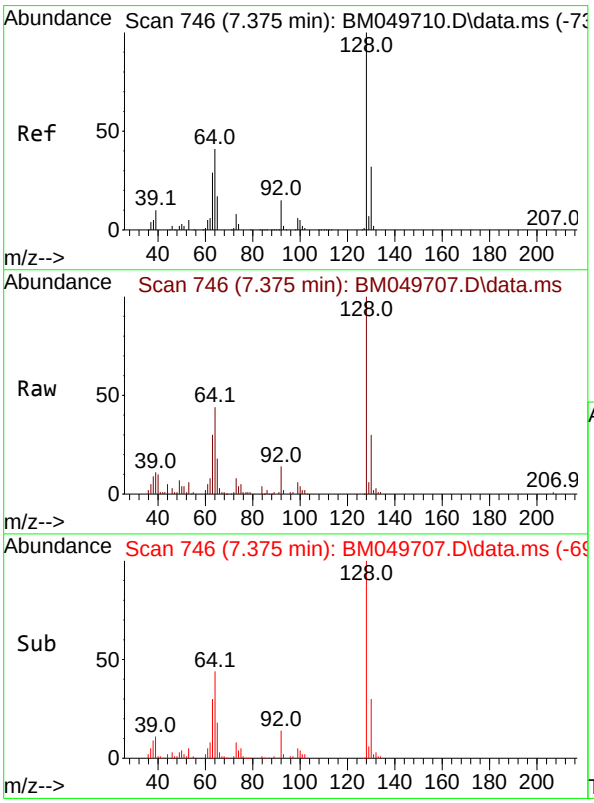
Ion	Ratio	Lower	Upper
99	100		
42	19.1	13.6	20.4
71	33.6	27.0	40.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

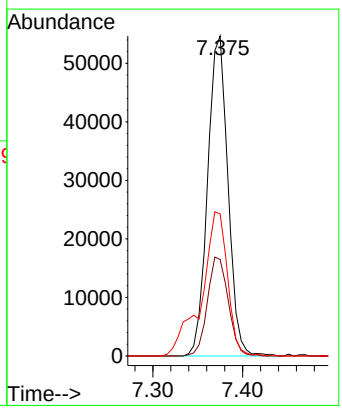
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

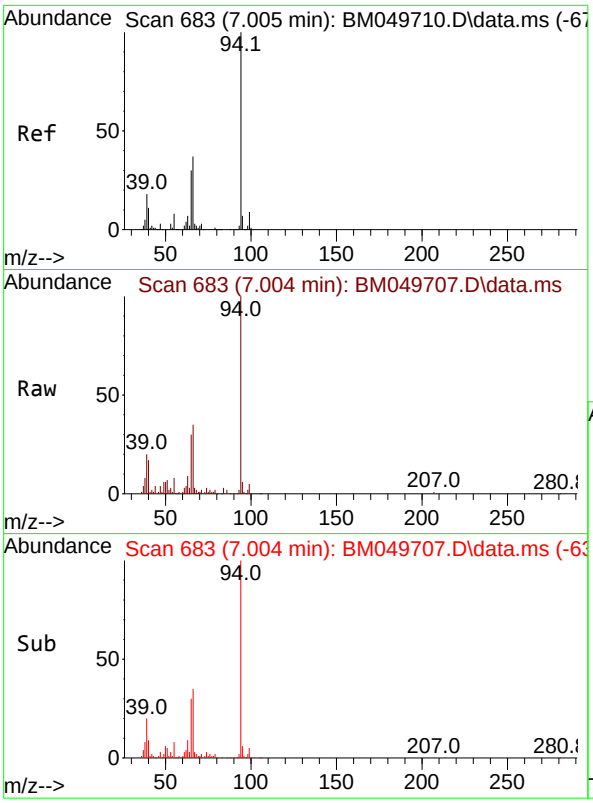


#8
2-Chlorophenol
Concen: 4.649 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:128 Resp: 86029

Ion	Ratio	Lower	Upper
128	100		
130	30.2	12.5	52.5
64	44.4	24.9	64.9

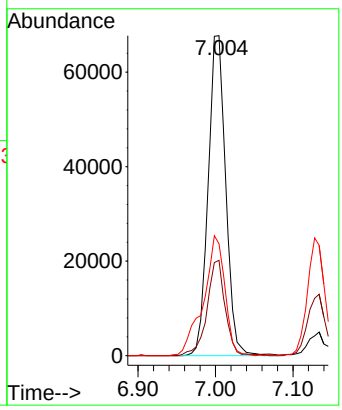




#10
Phenol
Concen: 4.700 ng
RT: 7.004 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 94 Resp: 10686

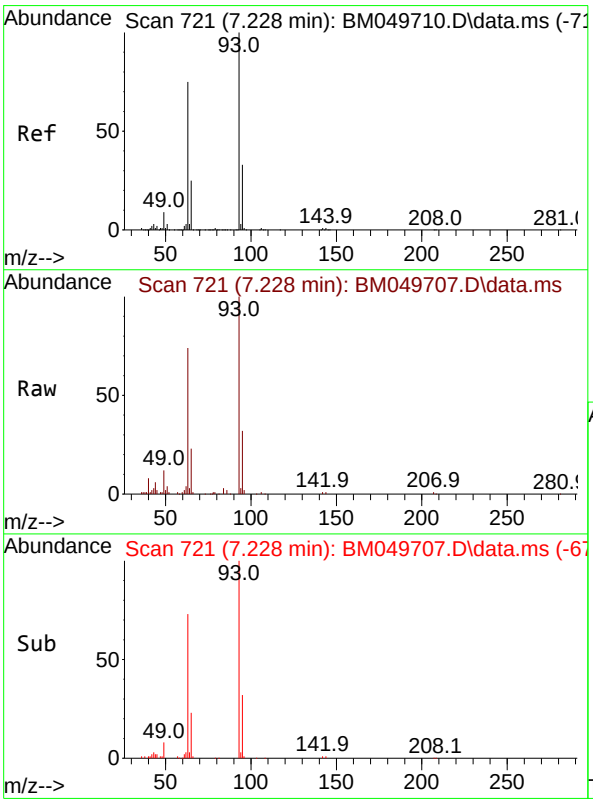
Ion	Ratio	Lower	Upper
94	100		
65	29.8	10.4	50.4
66	34.9	17.1	57.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

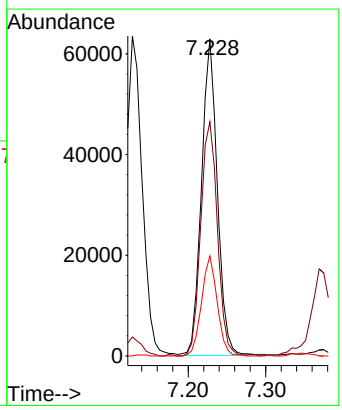
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

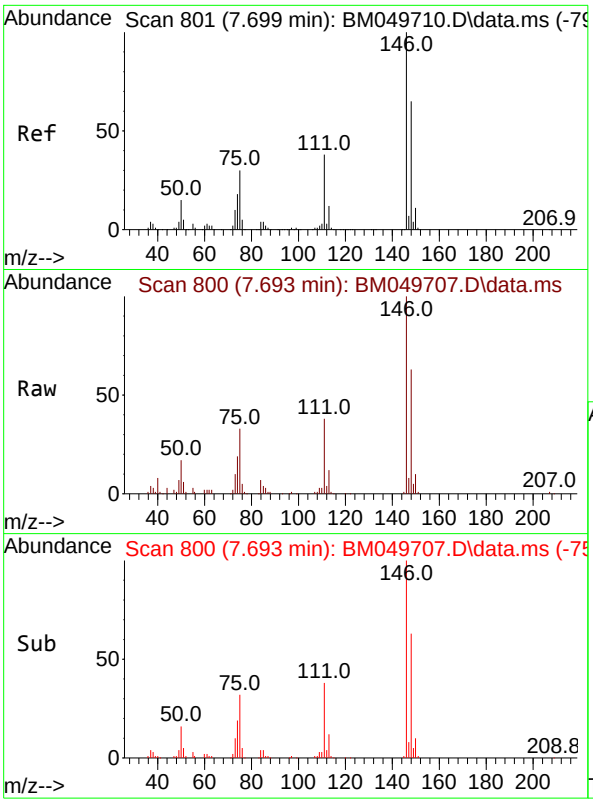


#11
bis(2-Chloroethyl)ether
Concen: 4.847 ng
RT: 7.228 min Scan# 721
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 93 Resp: 89246

Ion	Ratio	Lower	Upper
93	100		
63	73.9	54.8	94.8
95	31.6	12.8	52.8

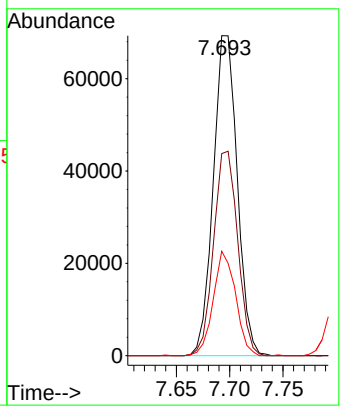




#12
1,3-Dichlorobenzene
Concen: 4.823 ng
RT: 7.693 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:146 Resp: 10846

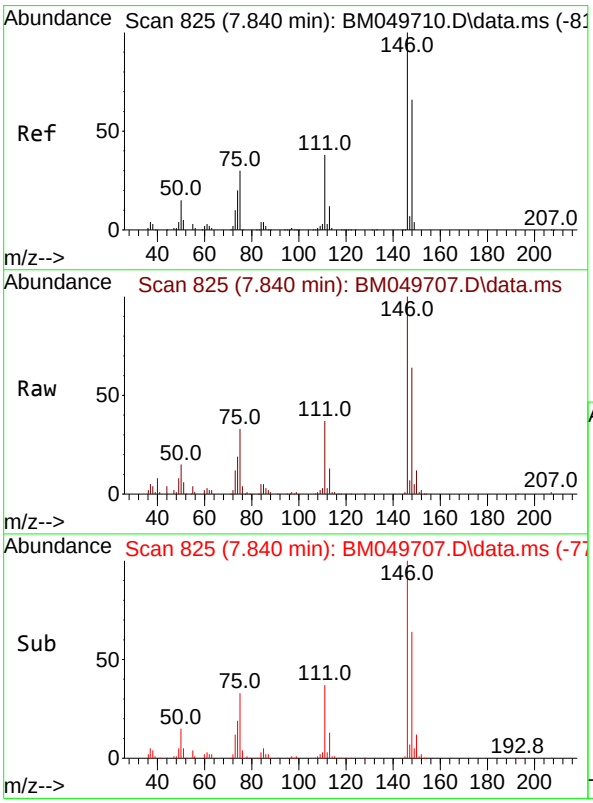
Ion	Ratio	Lower	Upper
146	100		
148	63.1	52.3	78.5
75	32.7	24.2	36.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

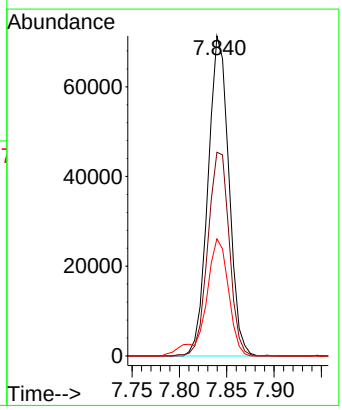
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

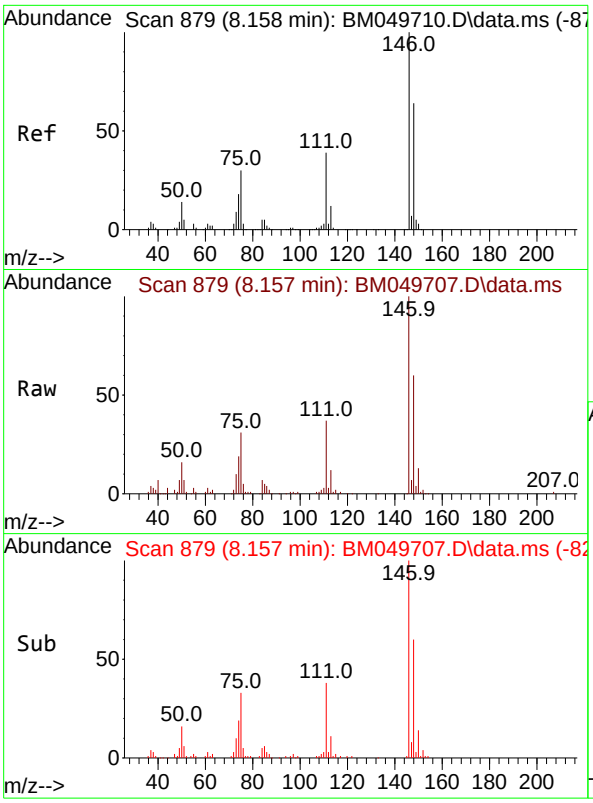


#13
1,4-Dichlorobenzene
Concen: 4.808 ng
RT: 7.840 min Scan# 825
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:146 Resp: 109071

Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.6	79.0
111	36.6	30.8	46.2

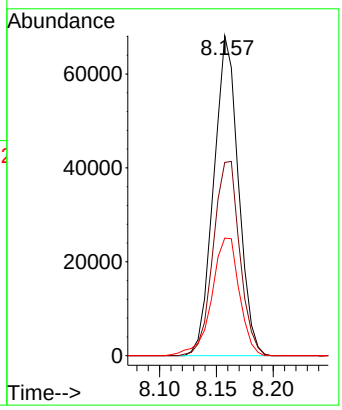




#14
1,2-Dichlorobenzene
Concen: 4.778 ng
RT: 8.157 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:146 Resp: 10302

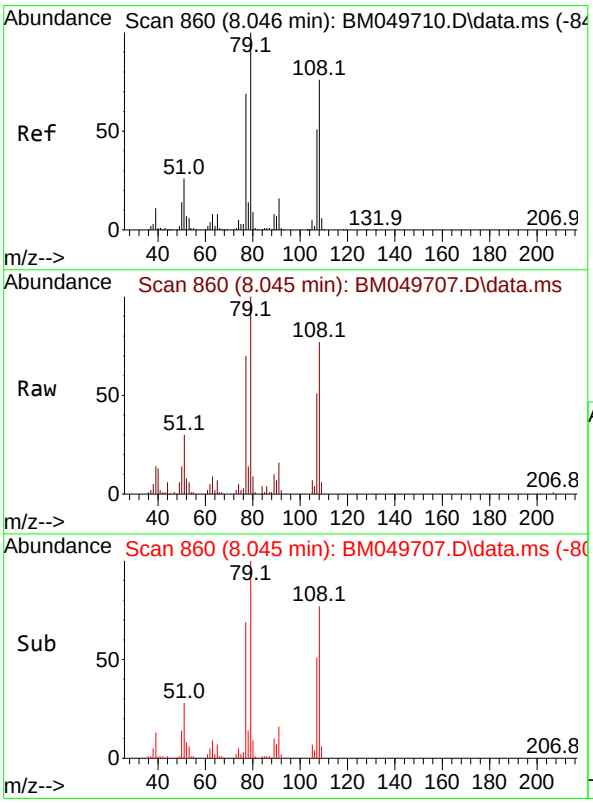
Ion	Ratio	Lower	Upper
146	100		
148	60.4	50.9	76.3
111	36.7	31.0	46.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

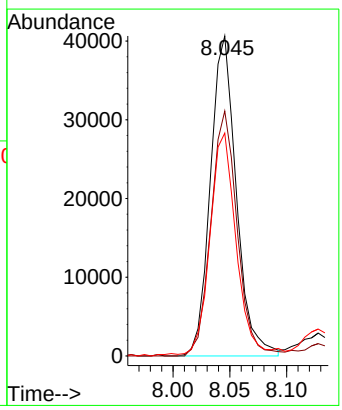
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

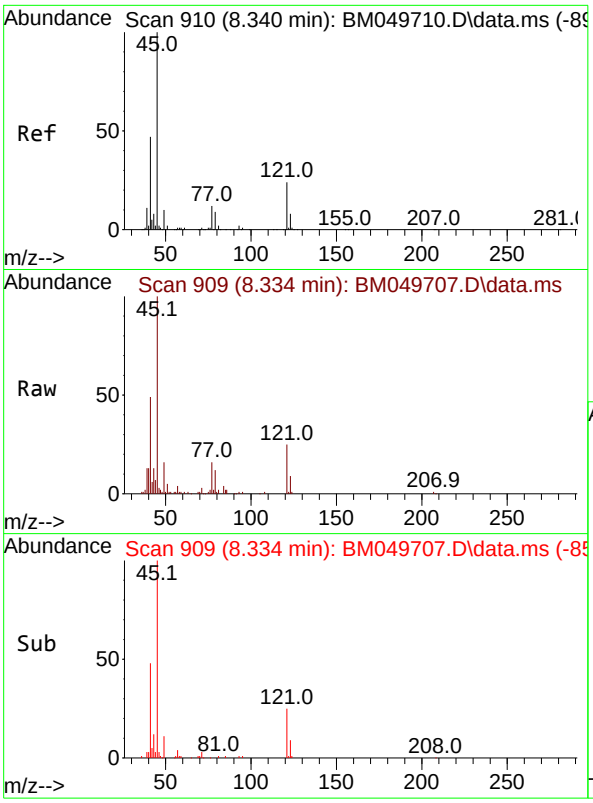


#15
Benzyl Alcohol
Concen: 4.382 ng
RT: 8.045 min Scan# 860
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 79 Resp: 64489

Ion	Ratio	Lower	Upper
79	100		
108	76.5	60.7	91.1
77	69.7	55.4	83.2

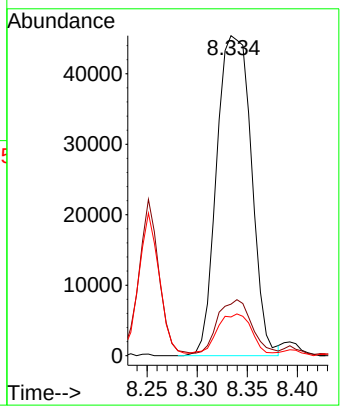




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.050 ng
RT: 8.334 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 45 Resp: 10928

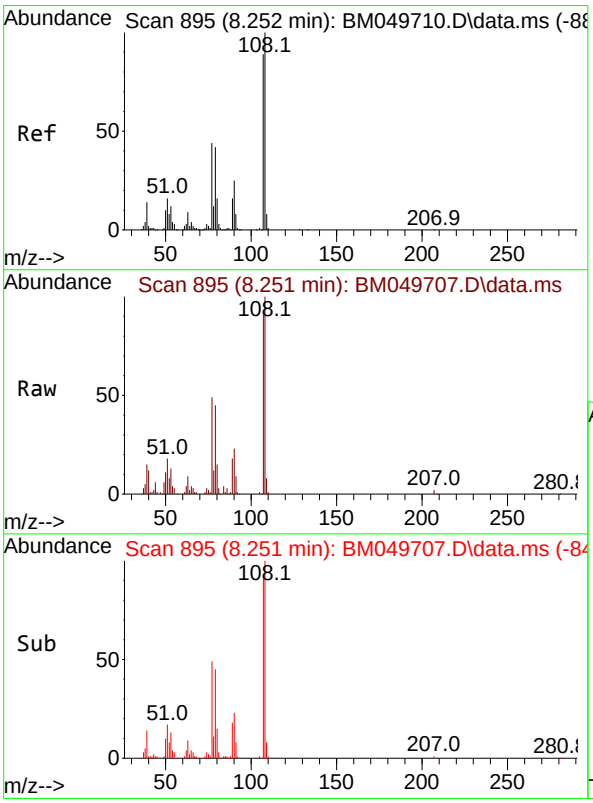
Ion	Ratio	Lower	Upper
45	100		
77	16.1	0.0	36.1
79	12.1	0.0	32.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

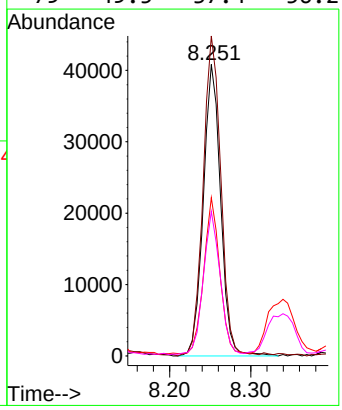
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

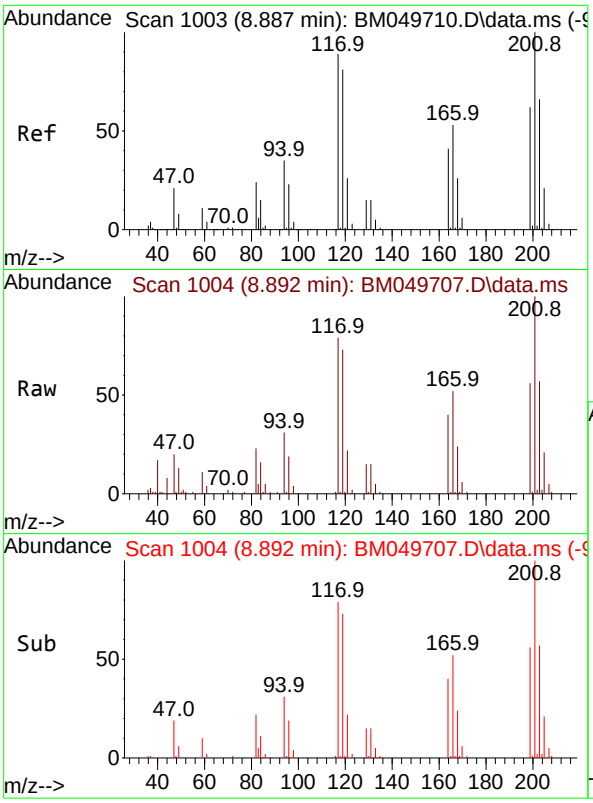


#17
2-Methylphenol
Concen: 4.491 ng
RT: 8.251 min Scan# 895
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:107 Resp: 60631

Ion	Ratio	Lower	Upper
107	100		
108	109.8	89.6	134.4
77	54.3	39.8	59.6
79	49.5	37.4	56.2

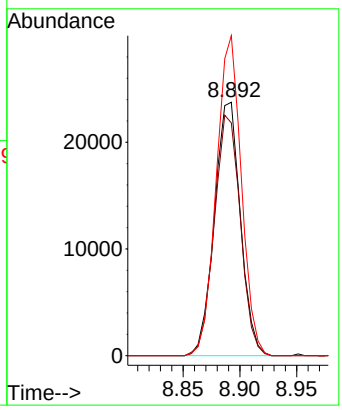




#18
Hexachloroethane
Concen: 4.731 ng
RT: 8.892 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:117 Resp: 3790(

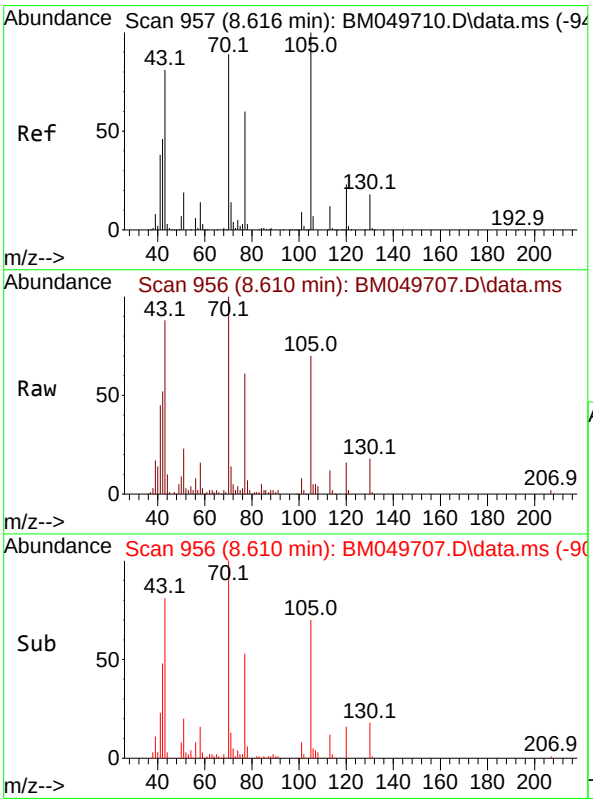
Ion	Ratio	Lower	Upper
117	100		
119	91.8	73.1	109.7
201	126.3	90.0	135.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

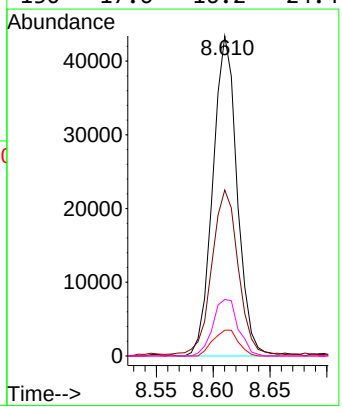
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

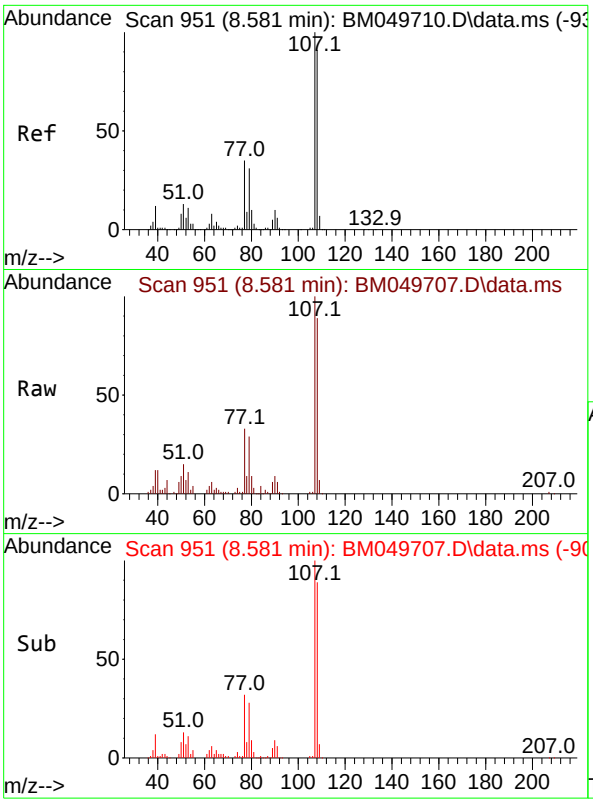


#19
n-Nitroso-di-n-propylamine
Concen: 4.754 ng
RT: 8.610 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 70 Resp: 64645

Ion	Ratio	Lower	Upper
70	100		
42	51.9	41.8	62.6
101	8.1	7.7	11.5
130	17.6	16.2	24.4

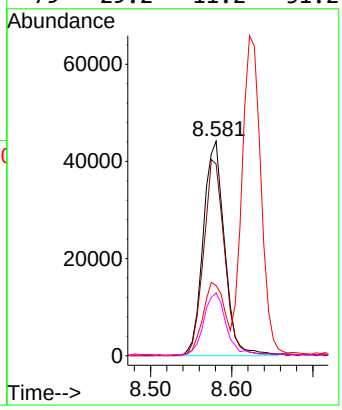




#20
3+4-Methylphenols
Concen: 4.453 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:107 Resp: 8055

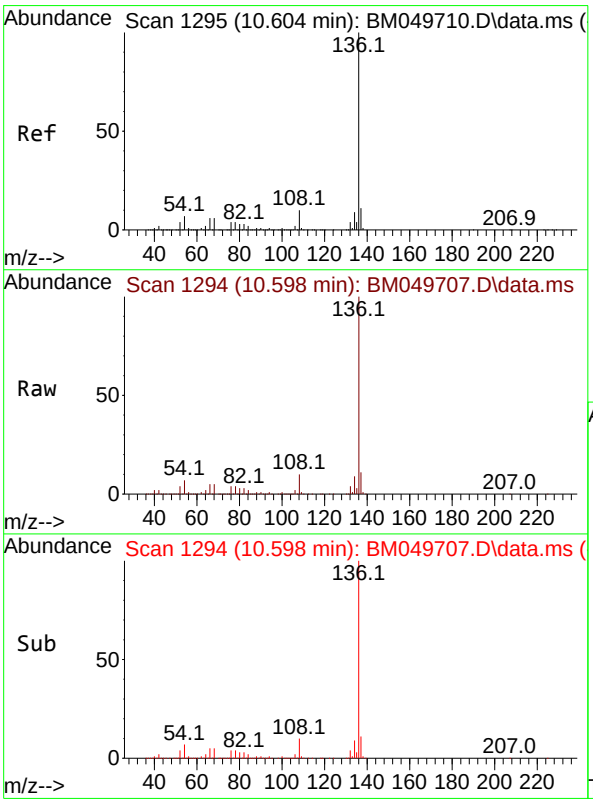
Ion	Ratio	Lower	Upper
107	100		
108	89.3	71.0	111.0
77	32.7	15.1	55.1
79	29.2	11.2	51.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

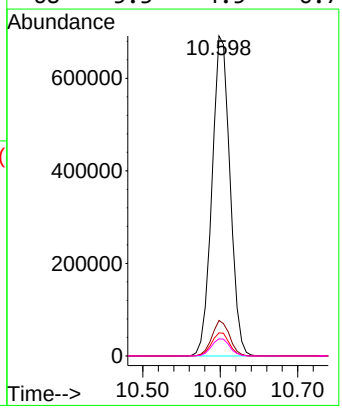
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

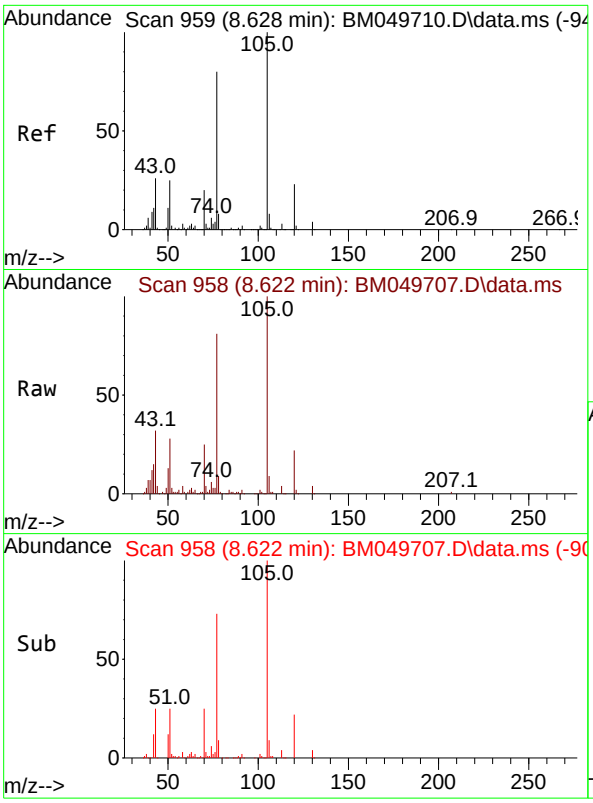


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.598 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:136 Resp: 1116930

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	7.2	5.8	8.8
68	5.3	4.5	6.7

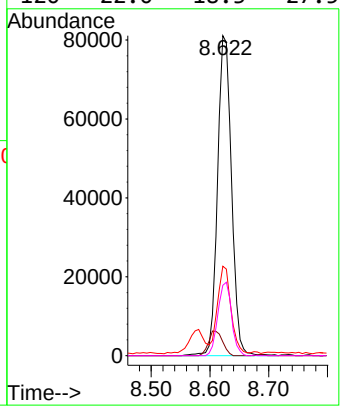




#22
Acetophenone
Concen: 4.652 ng
RT: 8.622 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:105 Resp: 13396

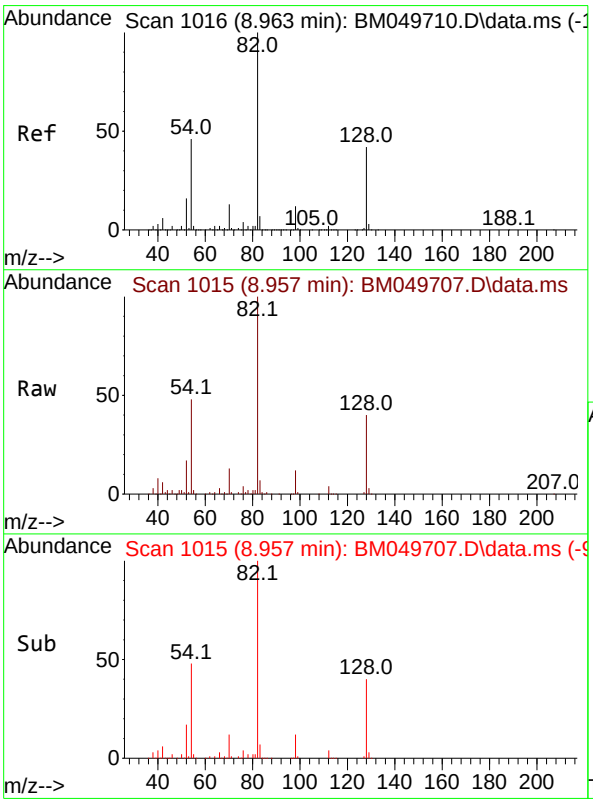
Ion	Ratio	Lower	Upper
105	100		
71	4.3	2.5	3.7
51	28.0	19.9	29.9
120	22.0	18.3	27.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

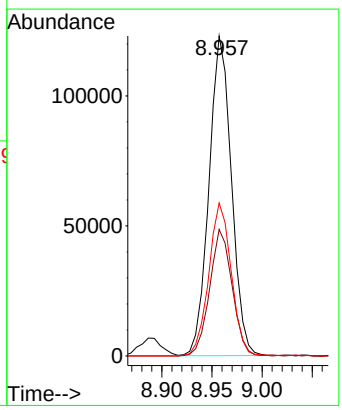
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

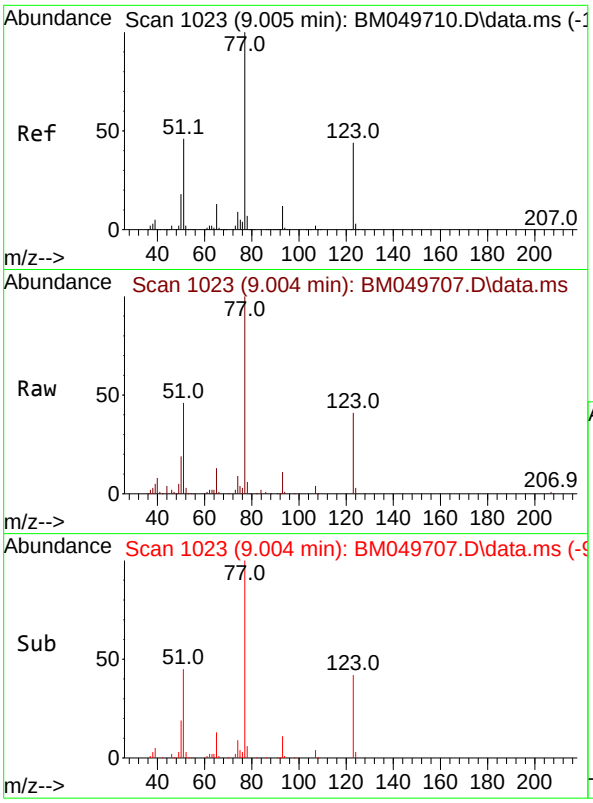


#23
Nitrobenzene-d5
Concen: 8.802 ng
RT: 8.957 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 82 Resp: 191476

Ion	Ratio	Lower	Upper
82	100		
128	39.5	33.4	50.0
54	47.8	36.4	54.6

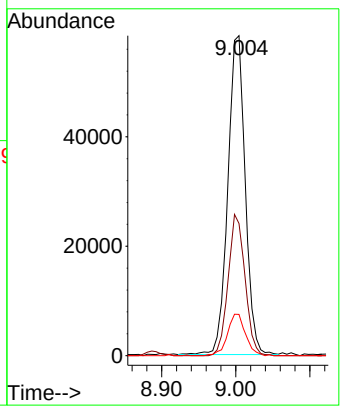




#24
Nitrobenzene
Concen: 4.628 ng
RT: 9.004 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 77 Resp: 9493

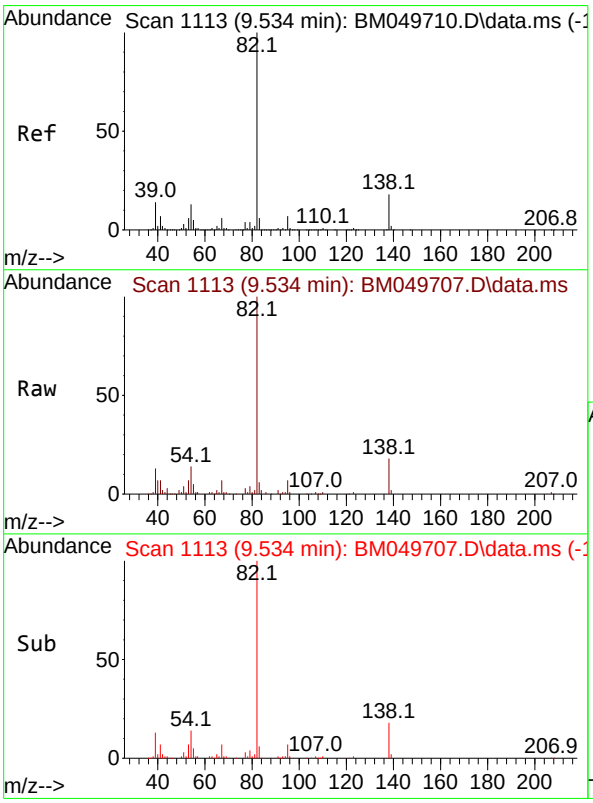
Ion	Ratio	Lower	Upper
77	100		
123	41.3	34.9	52.3
65	12.9	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

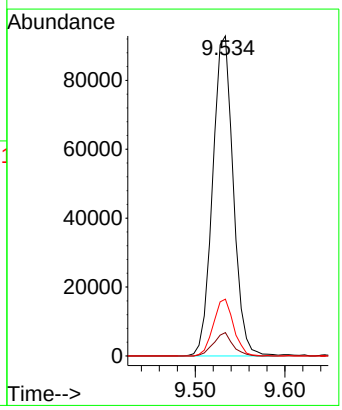
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

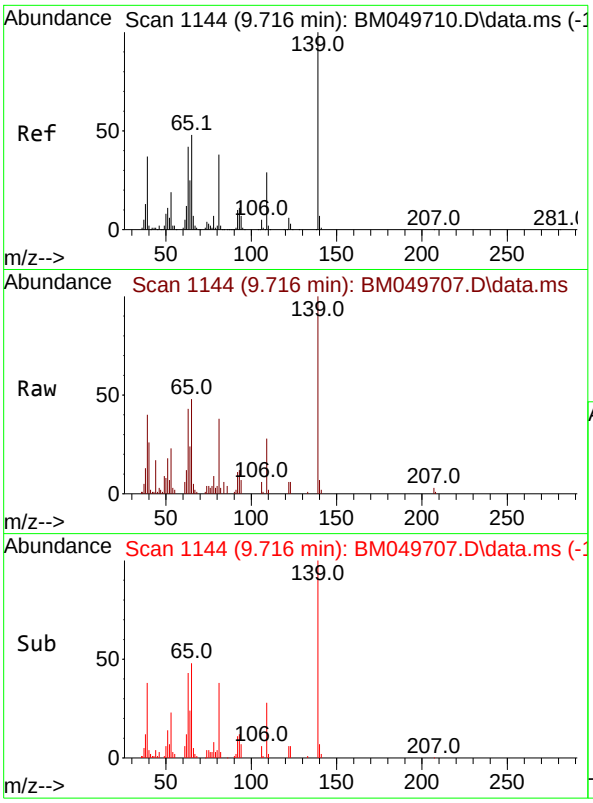


#25
Isophorone
Concen: 4.436 ng
RT: 9.534 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 82 Resp: 148174

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.3	7.9
138	17.8	14.4	21.6





#26
2-Nitrophenol
Concen: 3.684 ng
RT: 9.716 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

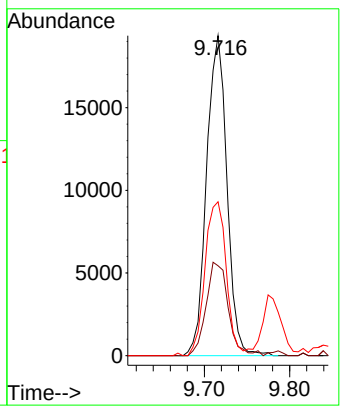
Tgt Ion:139 Resp: 3216

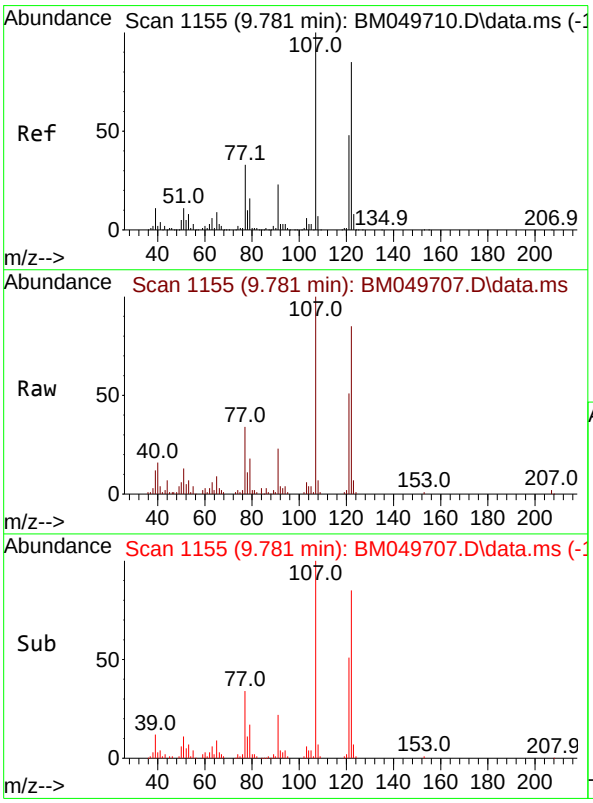
Ion	Ratio	Lower	Upper
139	100		
109	28.1	23.3	34.9
65	48.1	38.6	58.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

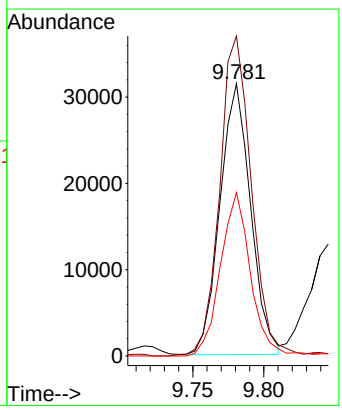


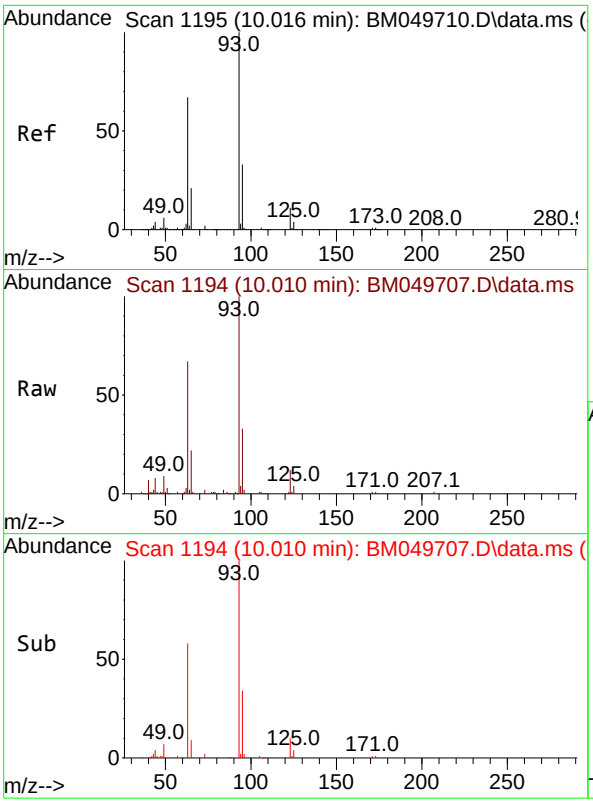


#27
2,4-Dimethylphenol
Concen: 4.237 ng
RT: 9.781 min Scan# 1155
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:122 Resp: 47084

Ion	Ratio	Lower	Upper
122	100		
107	117.5	94.3	141.5
121	60.0	45.4	68.2

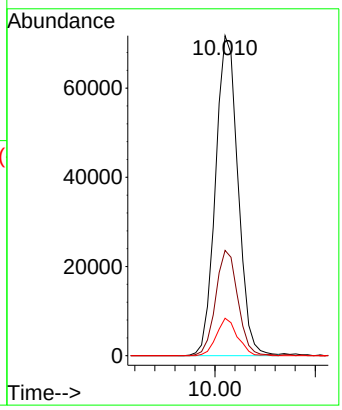




#28
bis(2-Chloroethoxy)methane
Concen: 4.737 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 93 Resp: 11144

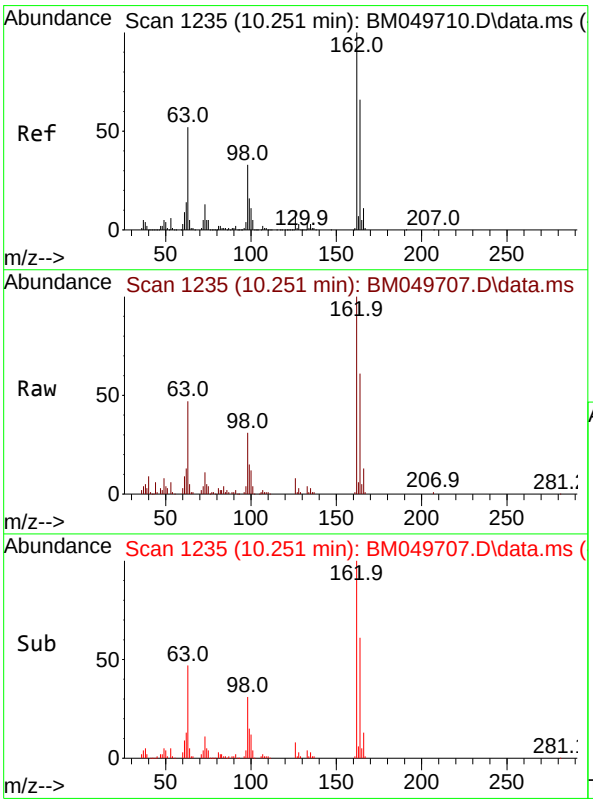
Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.6	40.0
123	11.7	9.0	13.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

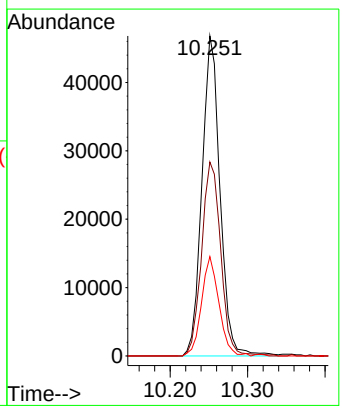
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

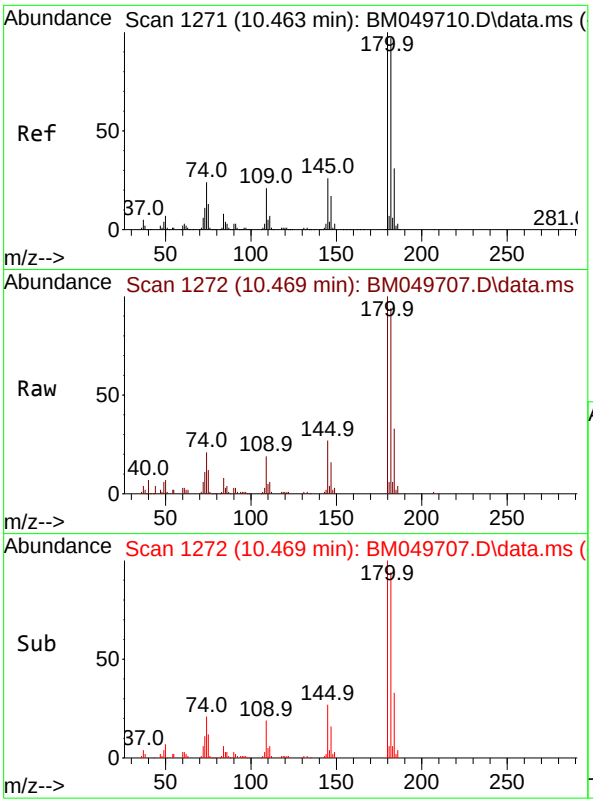


#29
2,4-Dichlorophenol
Concen: 4.189 ng
RT: 10.251 min Scan# 1235
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:162 Resp: 75855

Ion	Ratio	Lower	Upper
162	100		
164	60.6	46.3	86.3
98	31.1	12.8	52.8

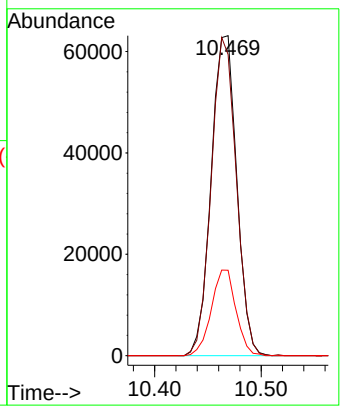




#30
1,2,4-Trichlorobenzene
Concen: 4.640 ng
RT: 10.469 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:180 Resp: 10512

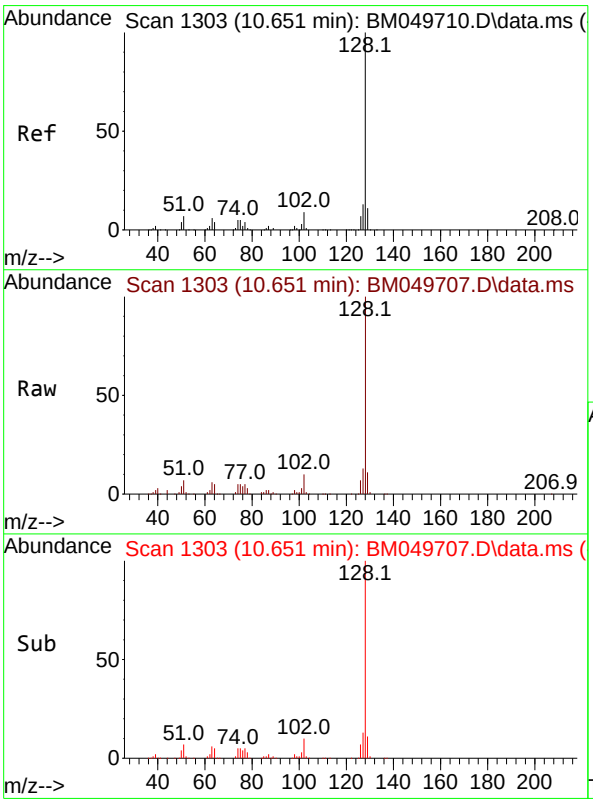
Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.7	116.5
145	26.7	21.0	31.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

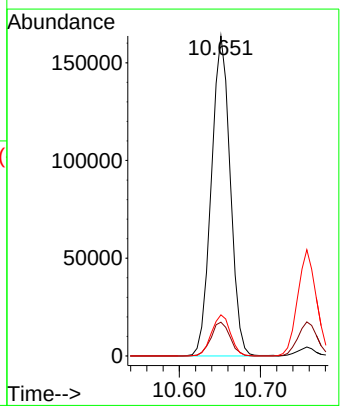
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

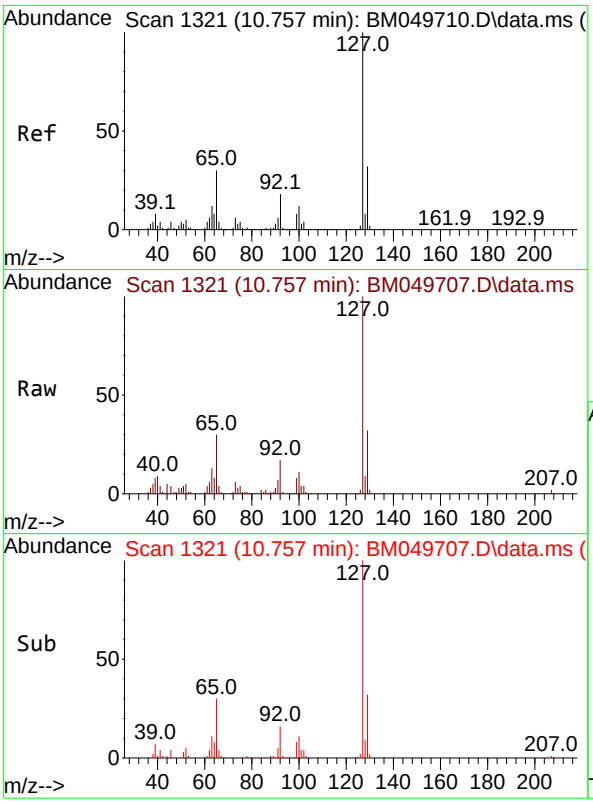


#31
Naphthalene
Concen: 4.604 ng
RT: 10.651 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:128 Resp: 264426

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	13.0
127	12.9	10.4	15.6

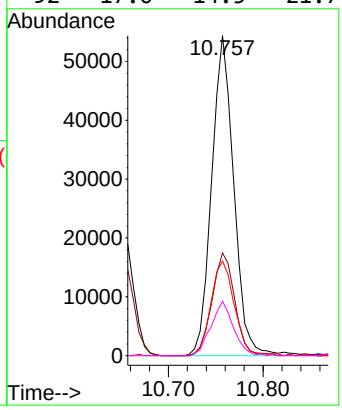




#33
4-Chloroaniline
Concen: 4.485 ng
RT: 10.757 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:127 Resp: 8791

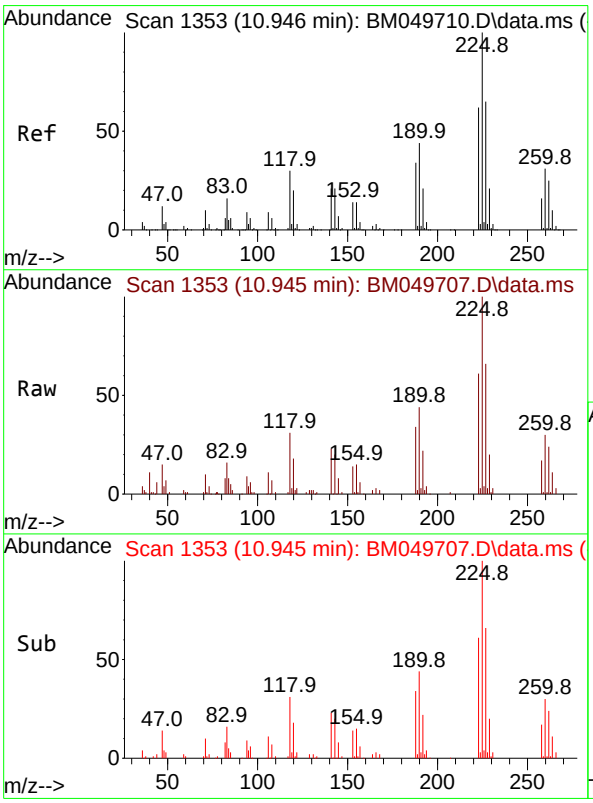
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	29.6	24.1	36.1
92	17.0	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

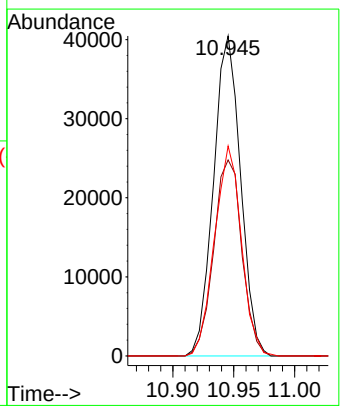
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

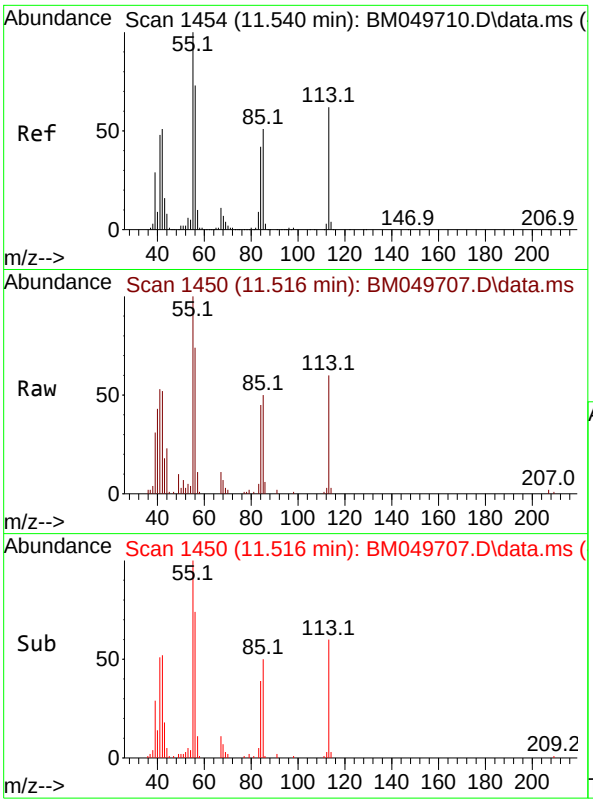


#34
Hexachlorobutadiene
Concen: 4.476 ng
RT: 10.945 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:225 Resp: 62601

Ion	Ratio	Lower	Upper
225	100		
223	61.3	49.8	74.8
227	65.6	52.1	78.1

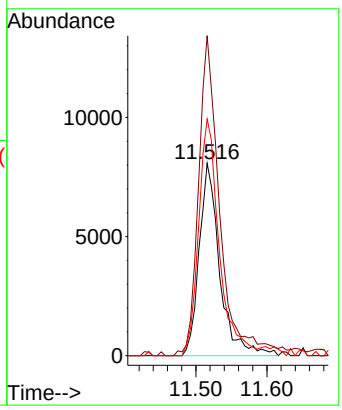




#35
Caprolactam
Concen: 3.867 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.024 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:113 Resp: 1625

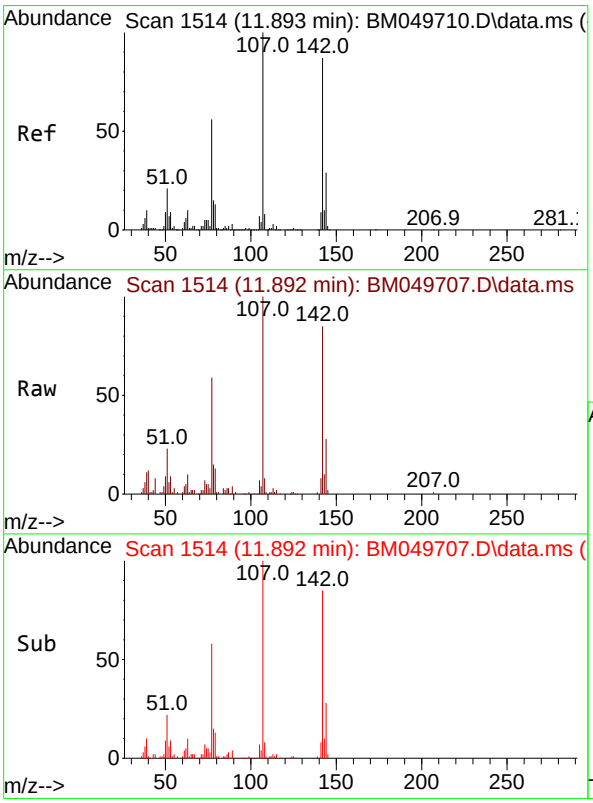
Ion	Ratio	Lower	Upper
113	100		
55	166.4	141.8	181.8
56	123.0	98.0	138.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

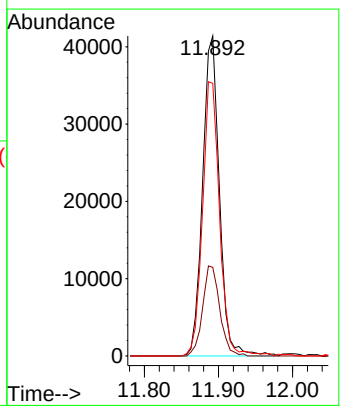
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

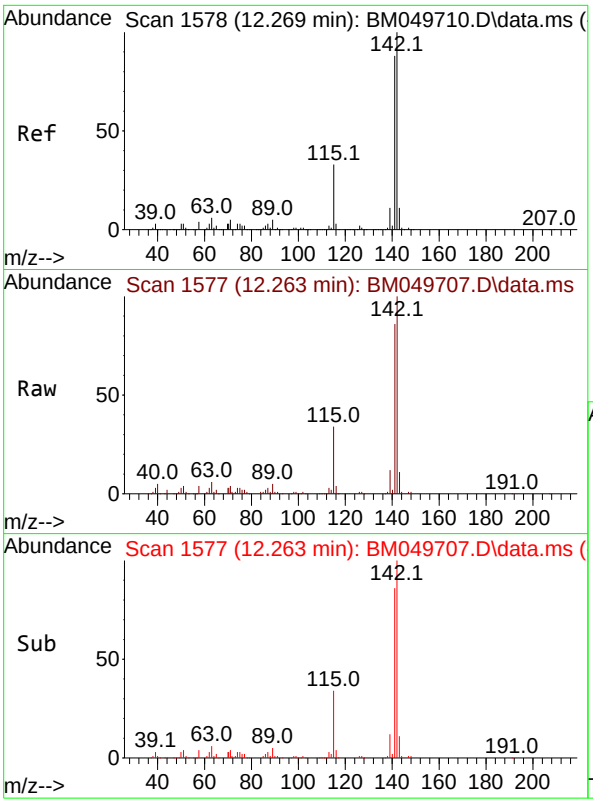


#36
4-Chloro-3-methylphenol
Concen: 4.181 ng
RT: 11.892 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:107 Resp: 64969

Ion	Ratio	Lower	Upper
107	100		
144	27.7	23.0	34.6
142	85.2	69.8	104.8

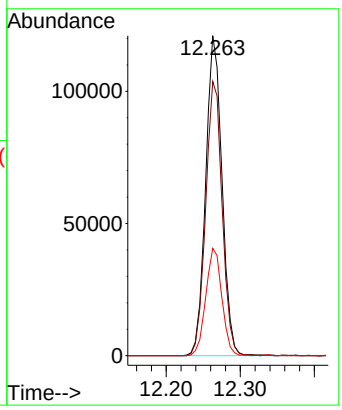




#37
2-Methylnaphthalene
Concen: 4.612 ng
RT: 12.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:142 Resp: 18523

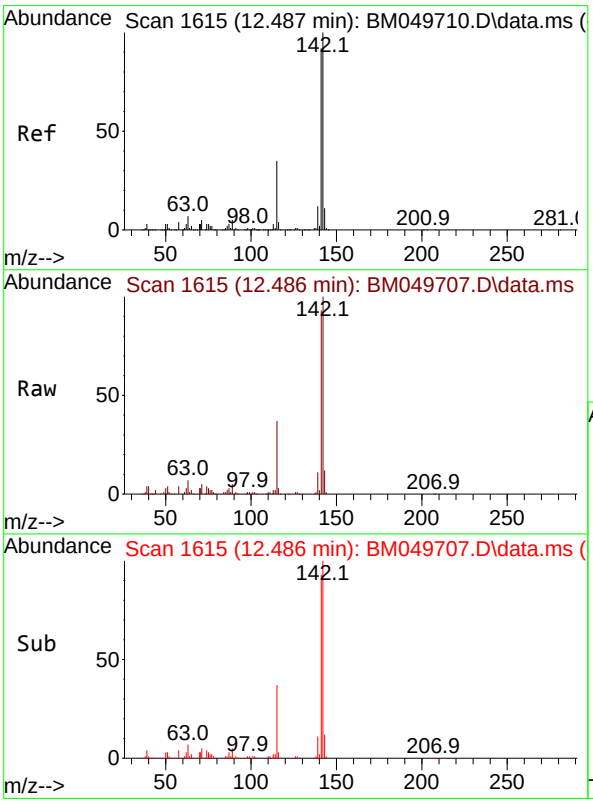
Ion	Ratio	Lower	Upper
142	100		
141	85.7	70.5	105.7
115	33.5	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

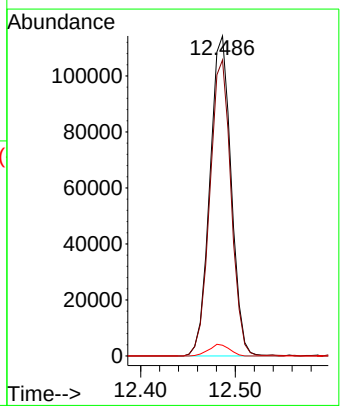
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

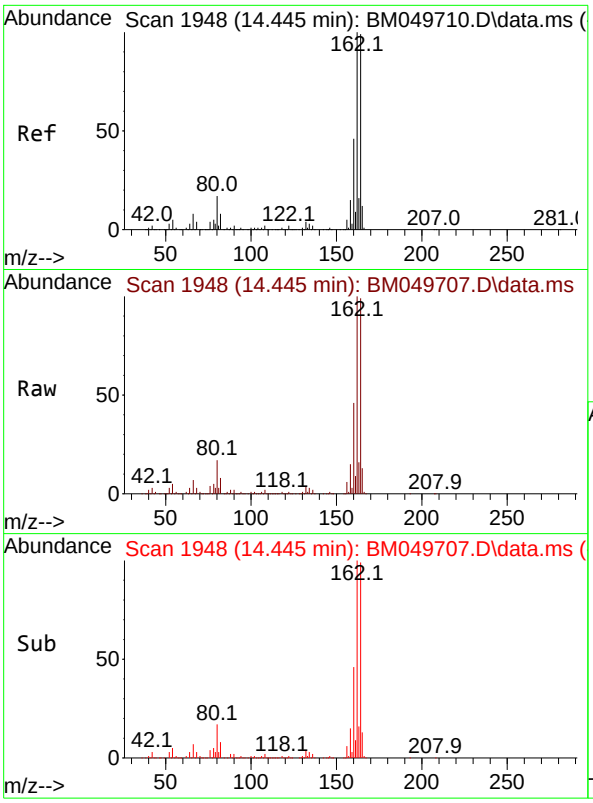


#38
1-Methylnaphthalene
Concen: 4.608 ng
RT: 12.486 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:142 Resp: 178536

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.4	110.2
116	3.3	2.8	4.2

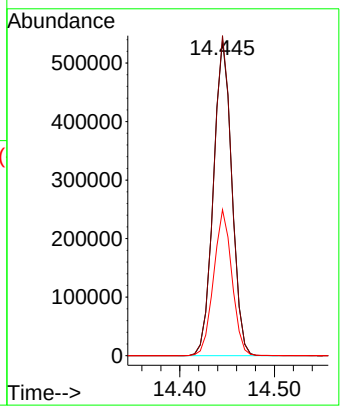




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:164 Resp: 72828

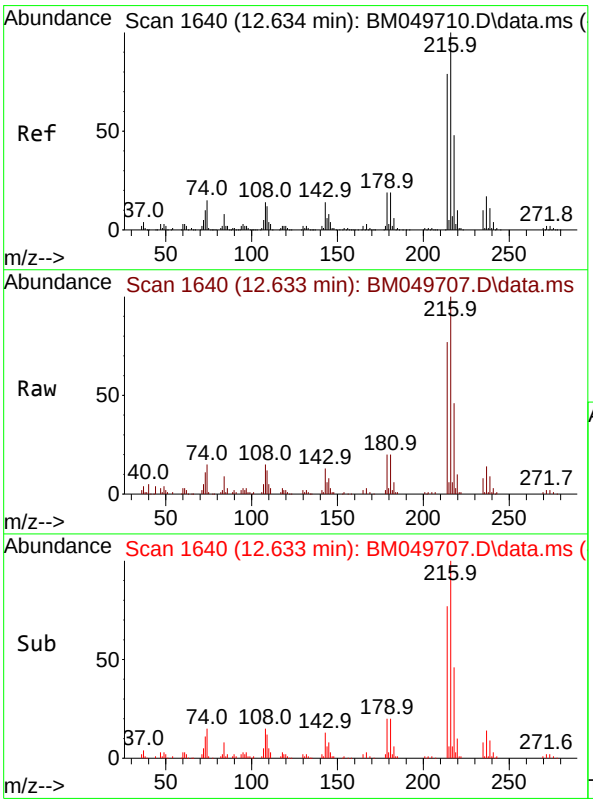
Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.5	120.7
160	46.2	36.9	55.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

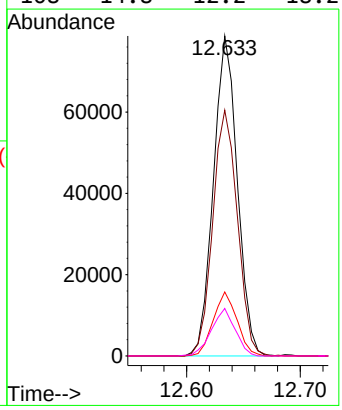
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

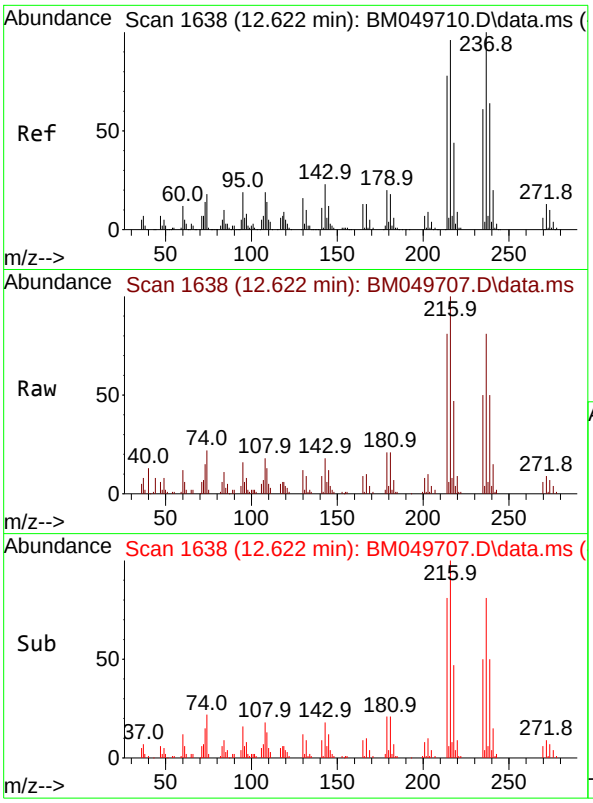


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.306 ng
RT: 12.633 min Scan# 1640
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:216 Resp: 115183

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.5	95.3
179	19.9	15.7	23.5
108	14.8	12.2	18.2

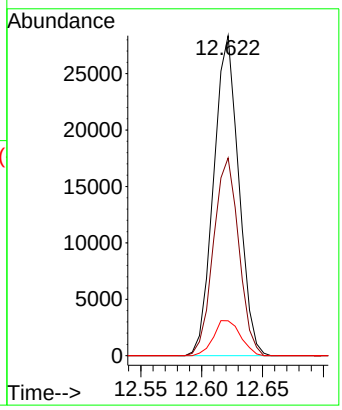




#41
Hexachlorocyclopentadiene
Concen: 4.103 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:237 Resp: 4066

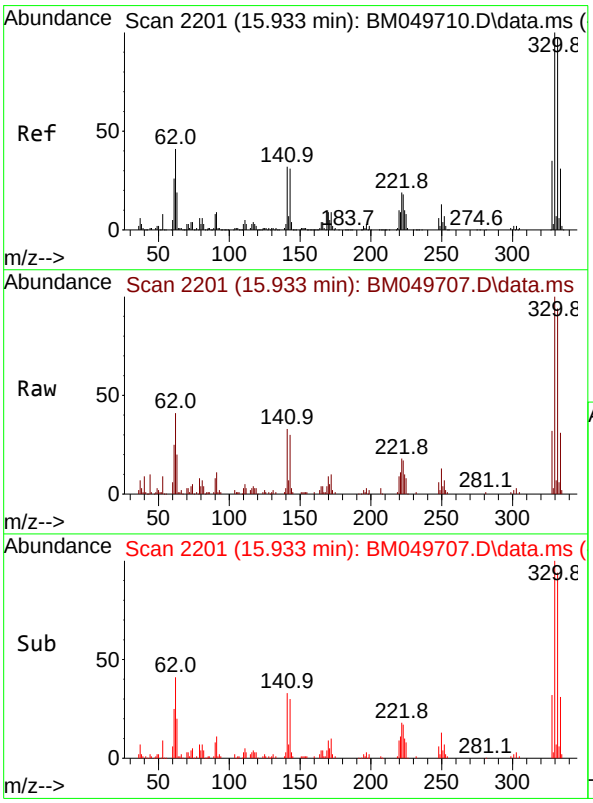
Ion	Ratio	Lower	Upper
237	100		
235	61.8	41.1	81.1
272	10.9	0.0	32.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

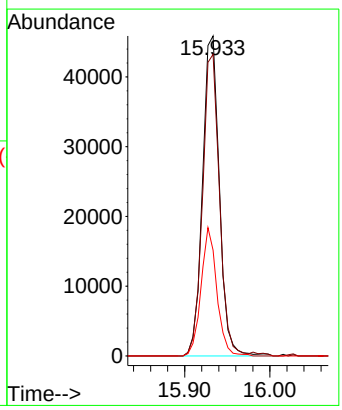
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

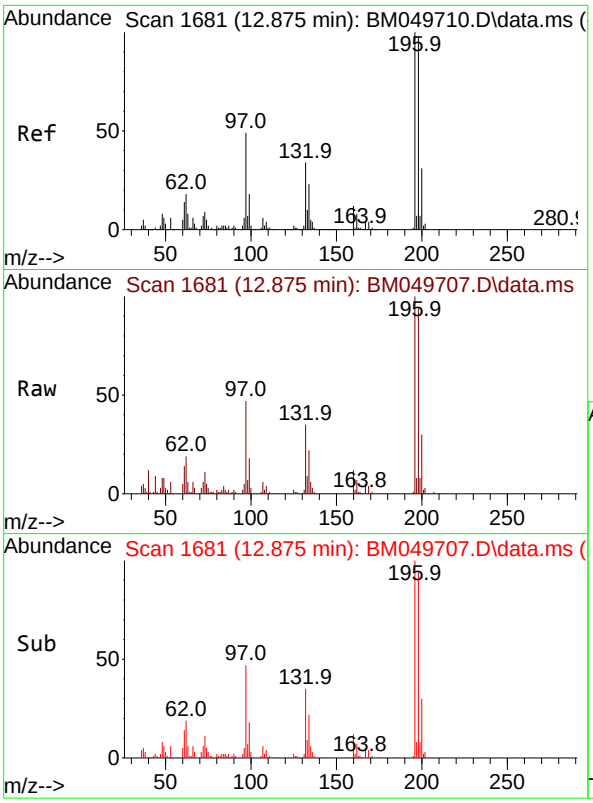


#42
2,4,6-Tribromophenol
Concen: 7.408 ng
RT: 15.933 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:330 Resp: 63003

Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.4
141	37.6	27.8	41.6

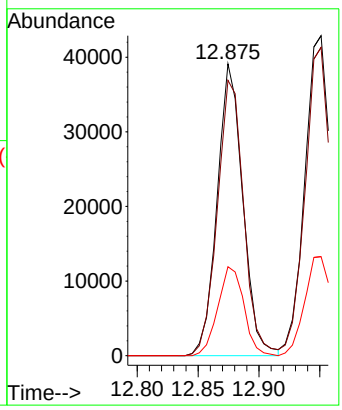




#43
2,4,6-Trichlorophenol
Concen: 3.828 ng
RT: 12.875 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:196 Resp: 5734

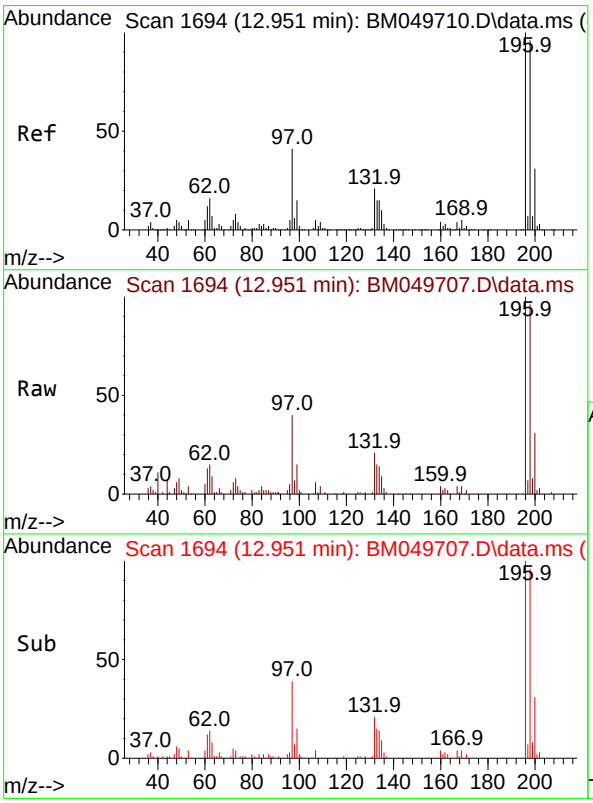
Ion	Ratio	Lower	Upper
196	100		
198	94.4	78.3	117.5
200	30.5	25.1	37.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

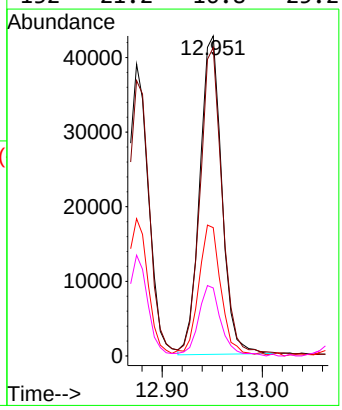
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

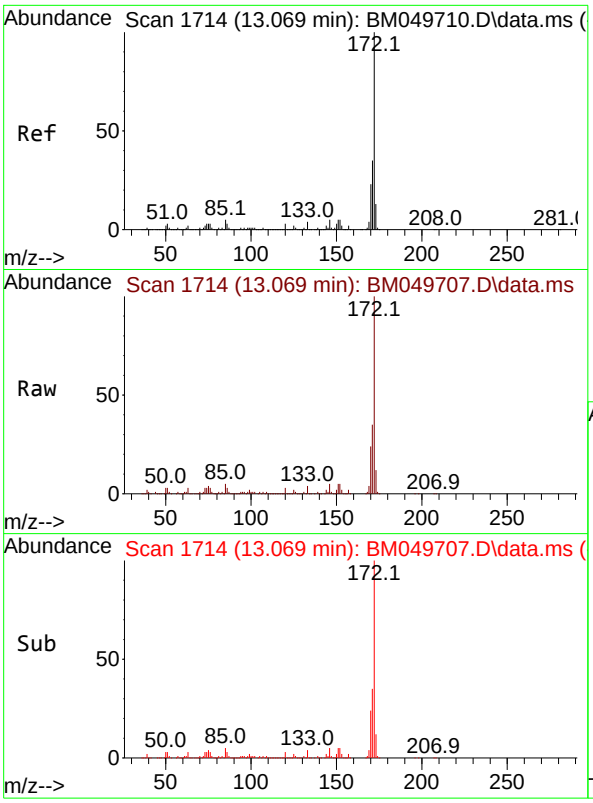


#44
2,4,5-Trichlorophenol
Concen: 3.988 ng
RT: 12.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:196 Resp: 65204

Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.7	115.1
97	40.1	32.9	49.3
132	21.2	16.8	25.2

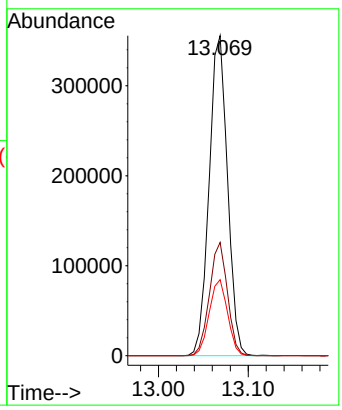




#45
2-Fluorobiphenyl
Concen: 8.693 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:172 Resp: 505509

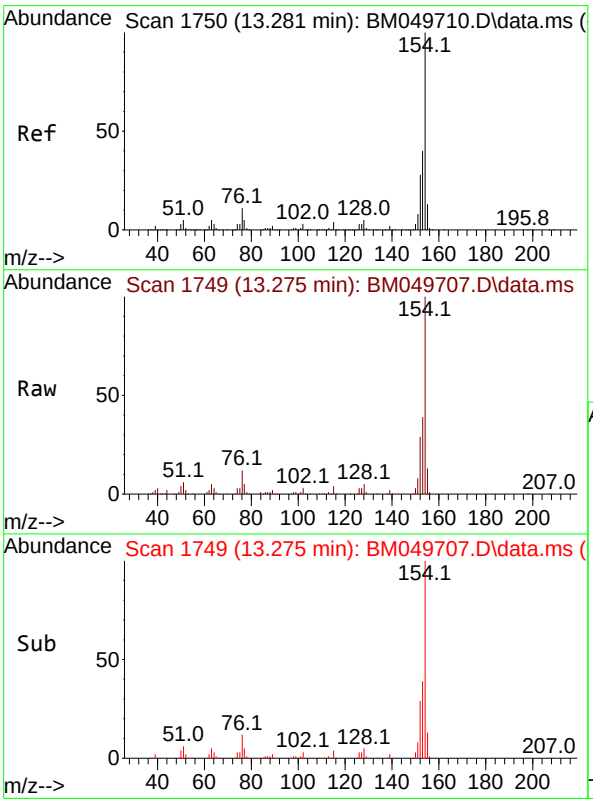
Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.9	41.9
170	23.7	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

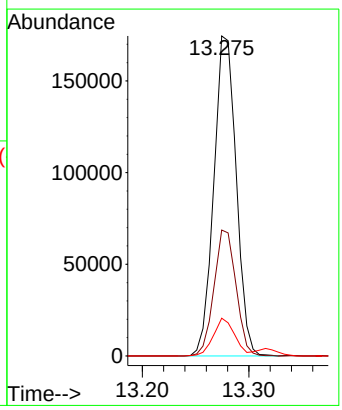
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

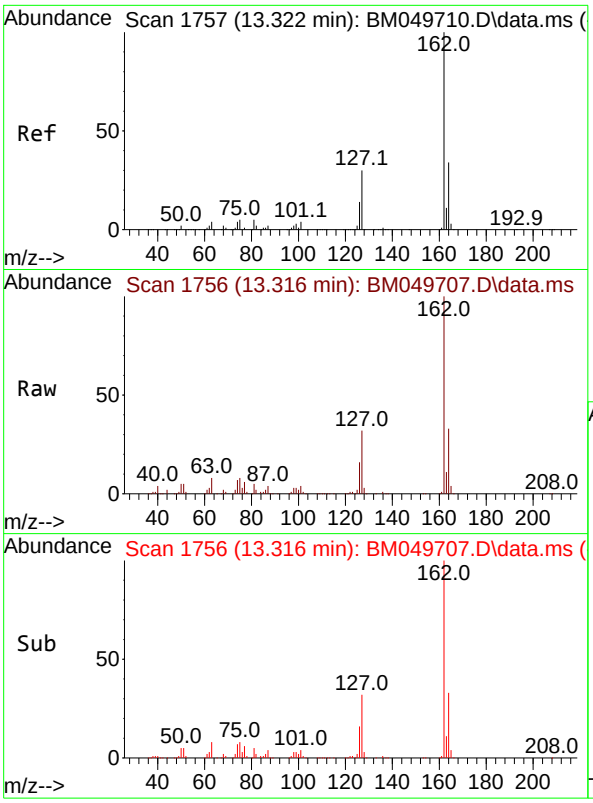


#46
1,1'-Biphenyl
Concen: 4.535 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:154 Resp: 254537

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.7	59.7
76	11.8	0.0	31.2

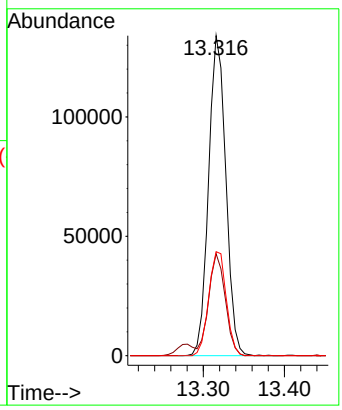




#47
2-Chloronaphthalene
Concen: 4.521 ng
RT: 13.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:162 Resp: 19750

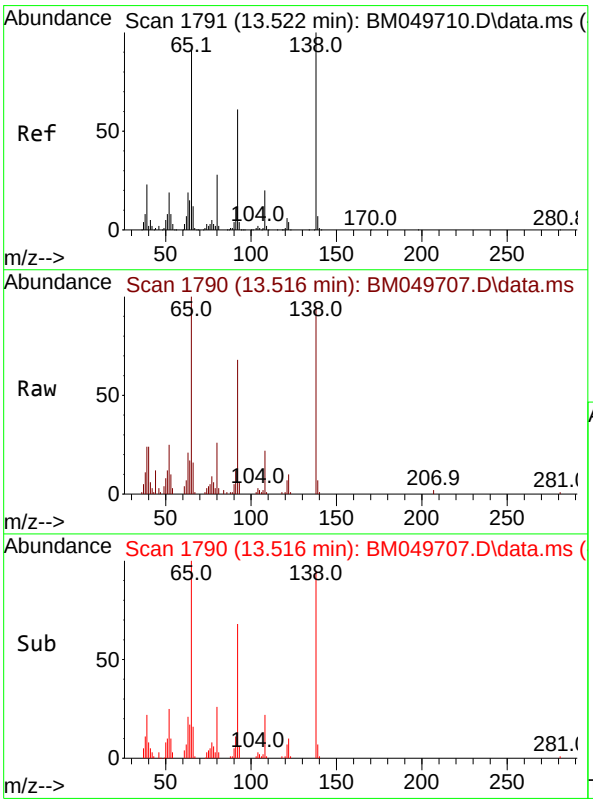
Ion	Ratio	Lower	Upper
162	100		
127	31.9	25.8	38.6
164	32.5	27.1	40.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

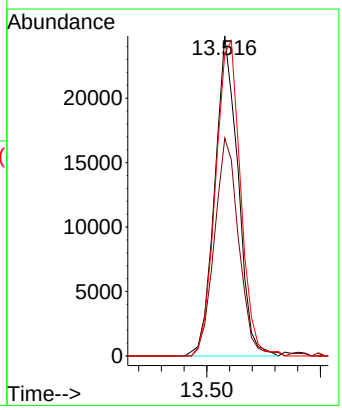
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

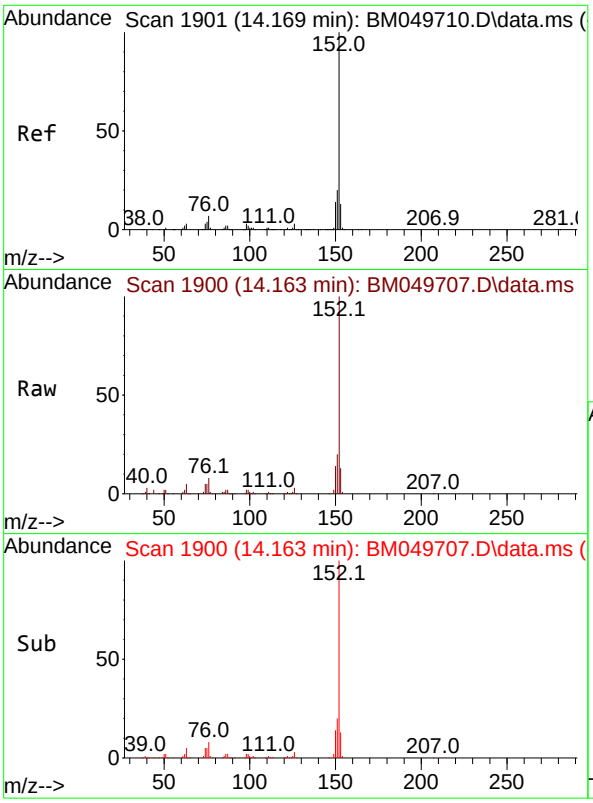


#48
2-Nitroaniline
Concen: 3.582 ng
RT: 13.516 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 65 Resp: 35130

Ion	Ratio	Lower	Upper
65	100		
92	68.1	53.4	80.2
138	94.5	87.6	131.4

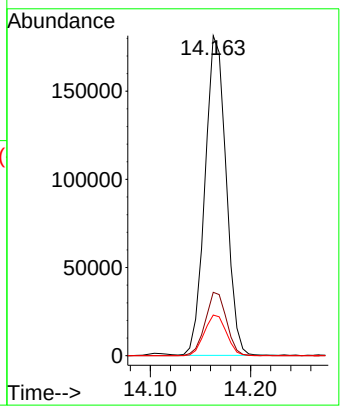




#49
Acenaphthylene
Concen: 4.337 ng
RT: 14.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:152 Resp: 26486

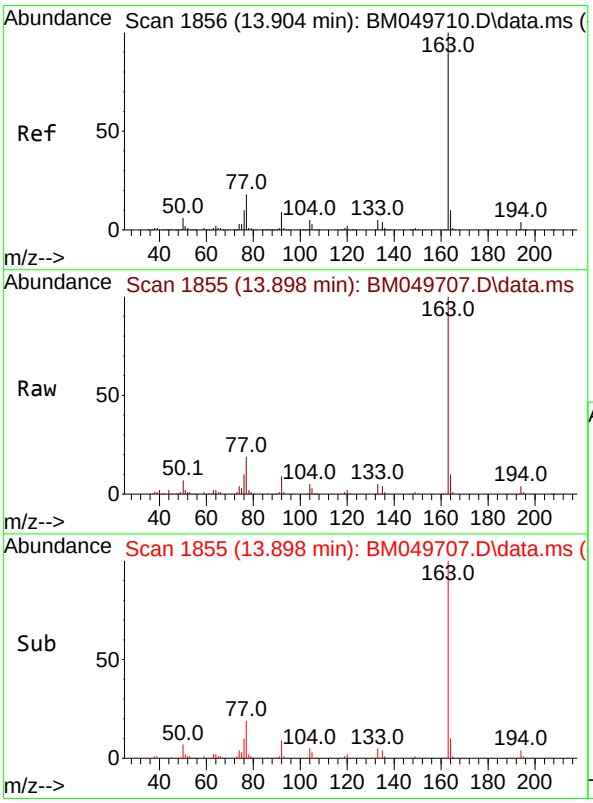
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	12.7	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

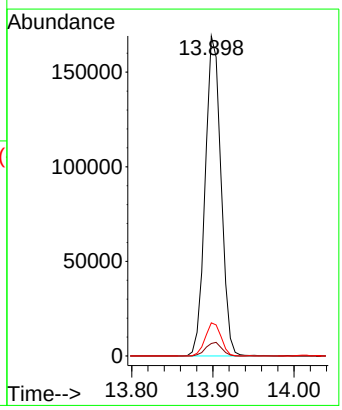
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

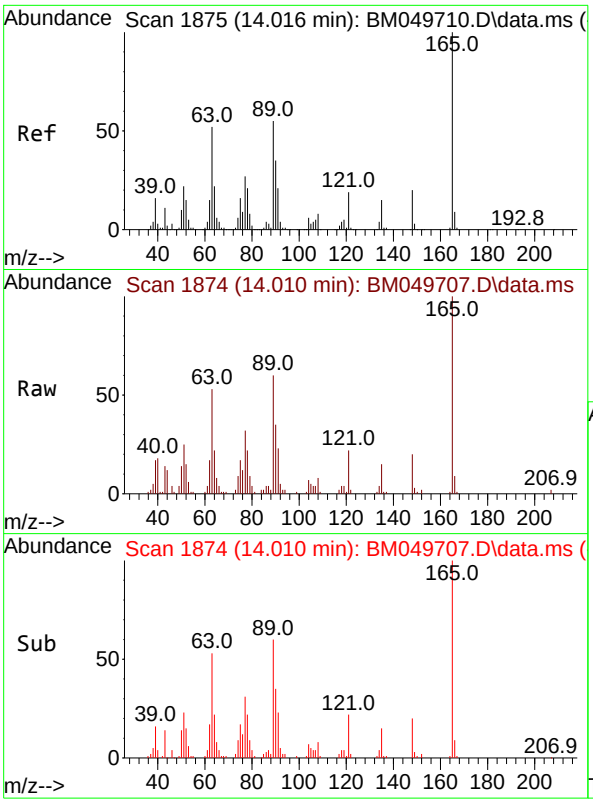


#50
Dimethylphthalate
Concen: 4.548 ng
RT: 13.898 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:163 Resp: 228046

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.4	8.2	12.2

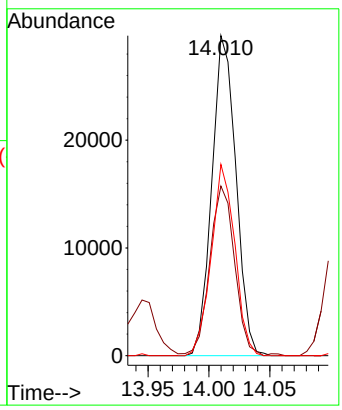




#51
2,6-Dinitrotoluene
Concen: 4.075 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:165 Resp: 4094

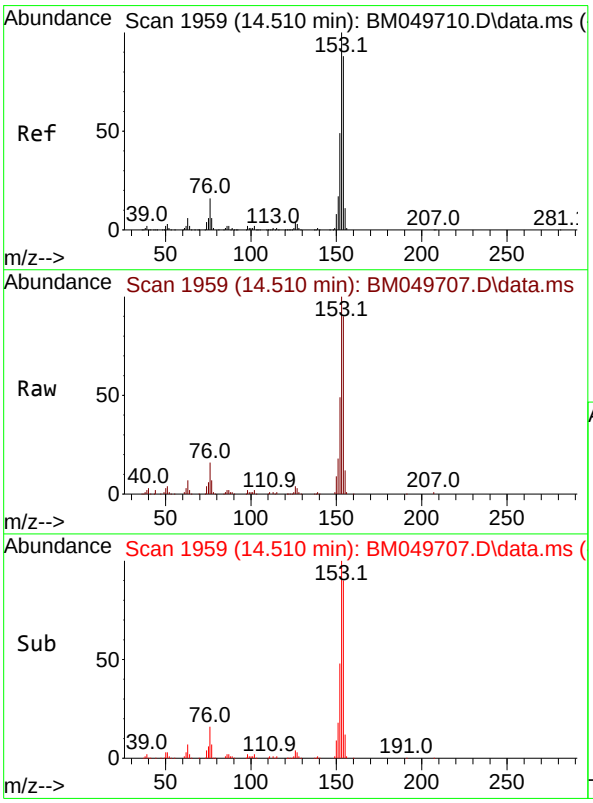
Ion	Ratio	Lower	Upper
165	100		
63	53.0	42.3	63.5
89	59.7	43.9	65.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

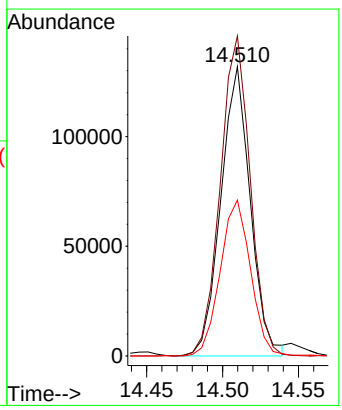
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

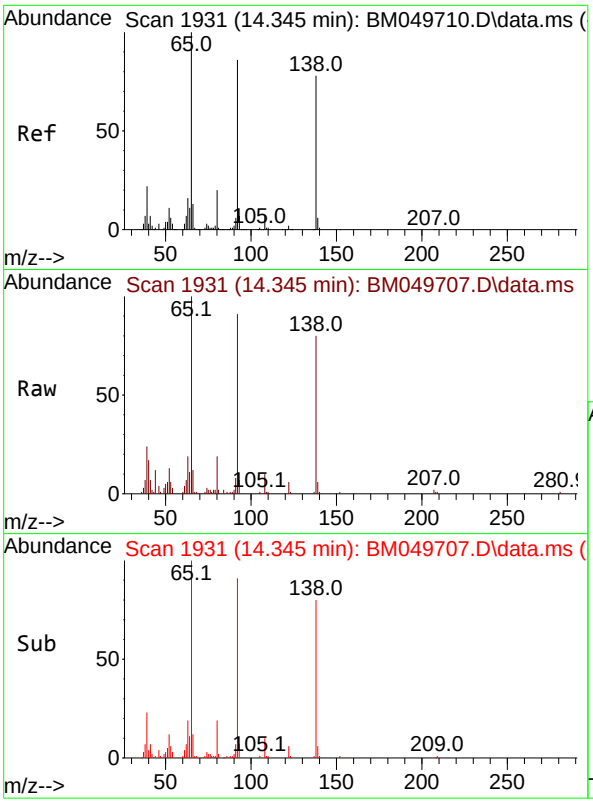


#52
Acenaphthene
Concen: 4.454 ng m
RT: 14.510 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:154 Resp: 178205

Ion	Ratio	Lower	Upper
154	100		
153	110.6	90.4	135.6
152	53.9	44.2	66.2

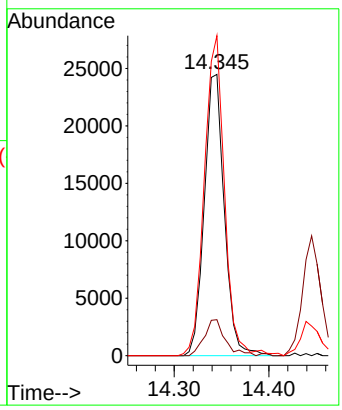




#53
3-Nitroaniline
Concen: 3.766 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:138 Resp: 3600

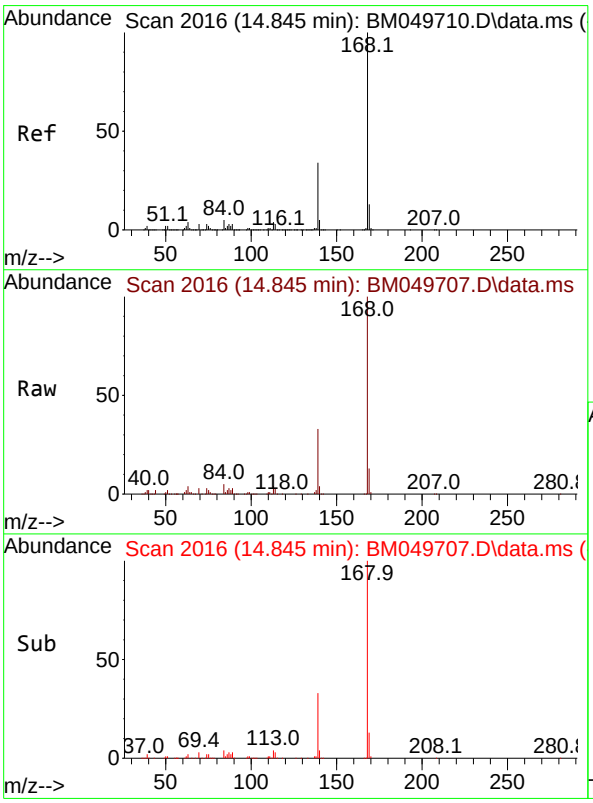
Ion	Ratio	Lower	Upper
138	100		
108	12.8	7.5	11.3
92	113.8	88.0	132.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

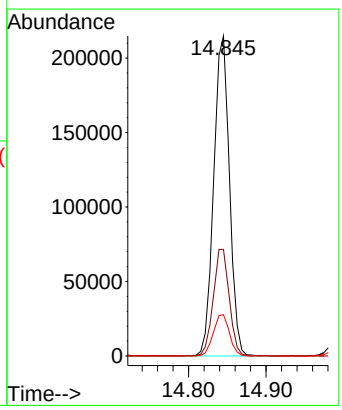
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

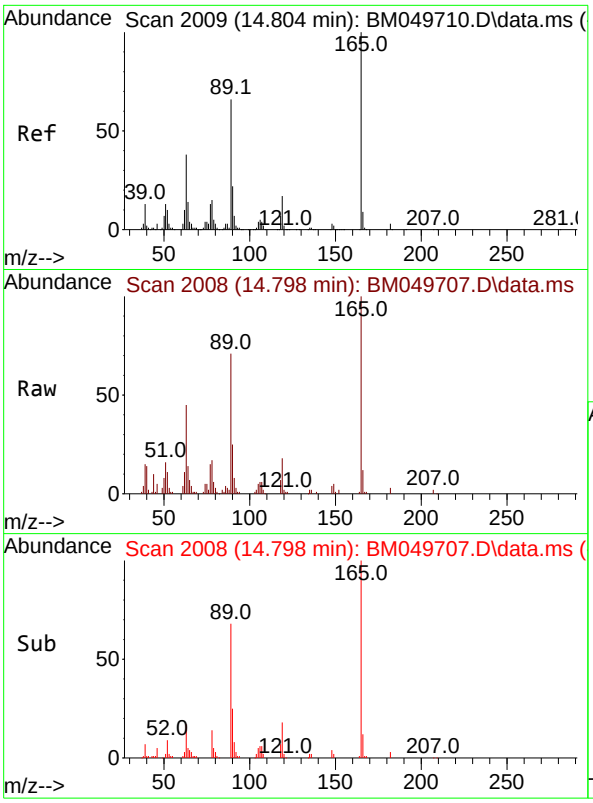


#55
Dibenzofuran
Concen: 4.539 ng
RT: 14.845 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:168 Resp: 302949

Ion	Ratio	Lower	Upper
168	100		
139	33.3	27.4	41.0
169	12.9	10.7	16.1

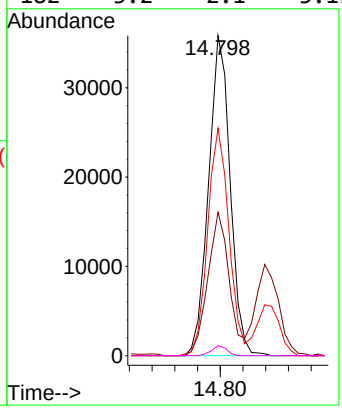




#57
2,4-Dinitrotoluene
Concen: 3.662 ng
RT: 14.798 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:165 Resp: 4734(

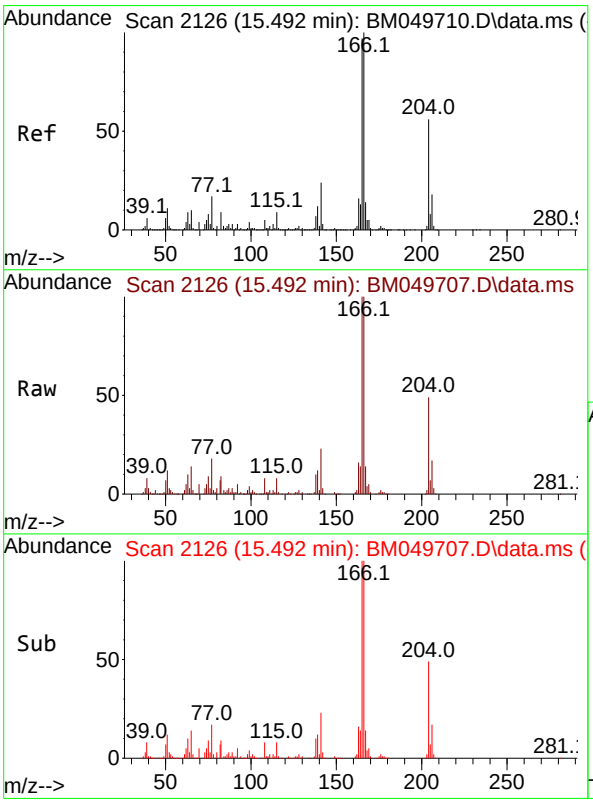
Ion	Ratio	Lower	Upper
165	100		
63	44.8	30.8	46.2
89	71.1	53.1	79.7
182	3.2	2.1	3.1#



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

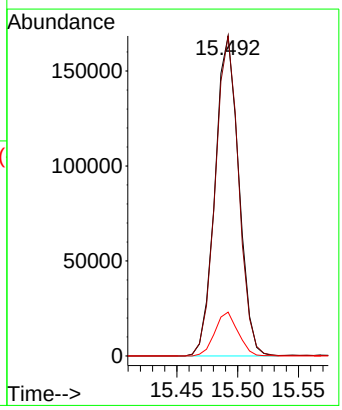
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

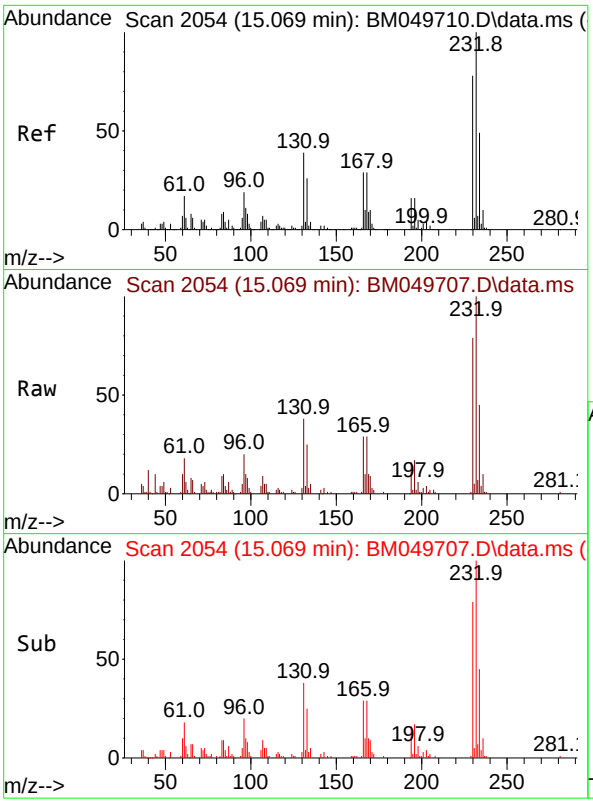


#58
Fluorene
Concen: 4.206 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:166 Resp: 228548

Ion	Ratio	Lower	Upper
166	100		
165	99.9	77.5	116.3
167	13.7	10.9	16.3

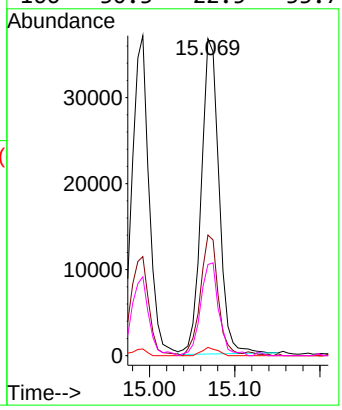




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.879 ng
RT: 15.069 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:232 Resp: 5308

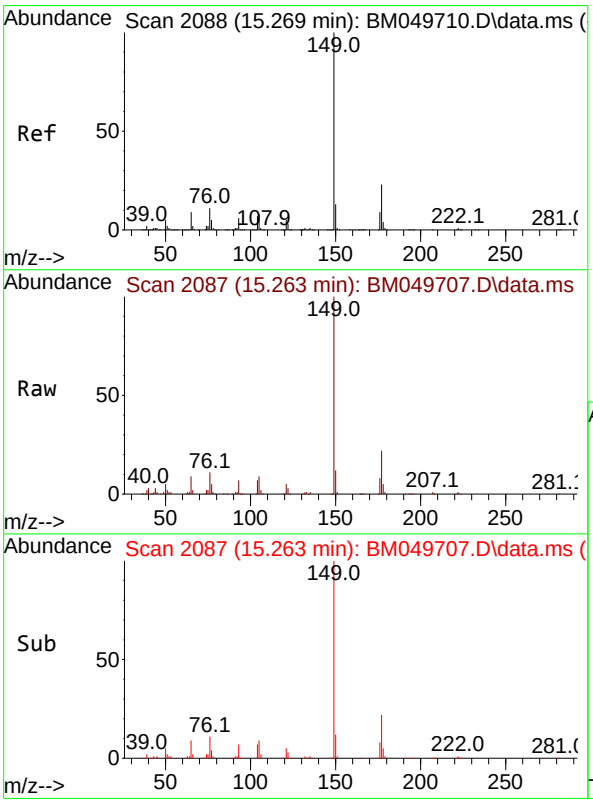
Ion	Ratio	Lower	Upper
232	100		
131	38.3	30.0	45.0
130	2.3	1.6	2.4
166	30.3	22.5	33.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

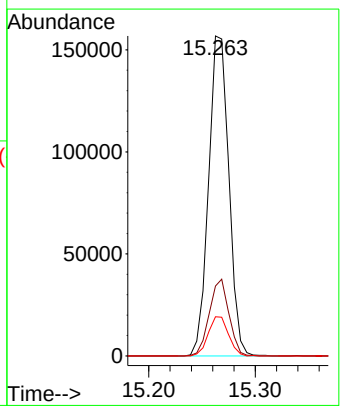
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

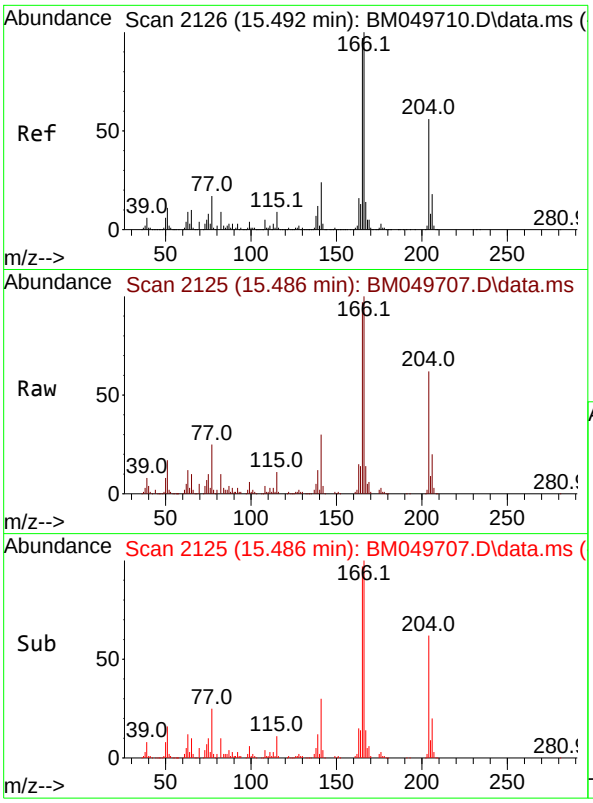


#60
Diethylphthalate
Concen: 4.377 ng
RT: 15.263 min Scan# 2087
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:149 Resp: 206708

Ion	Ratio	Lower	Upper
149	100		
177	21.8	18.2	27.2
150	12.3	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 4.087 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

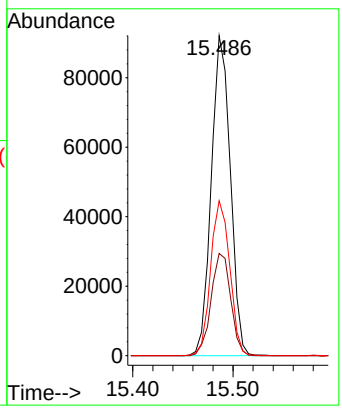
Tgt Ion:204 Resp: 12128

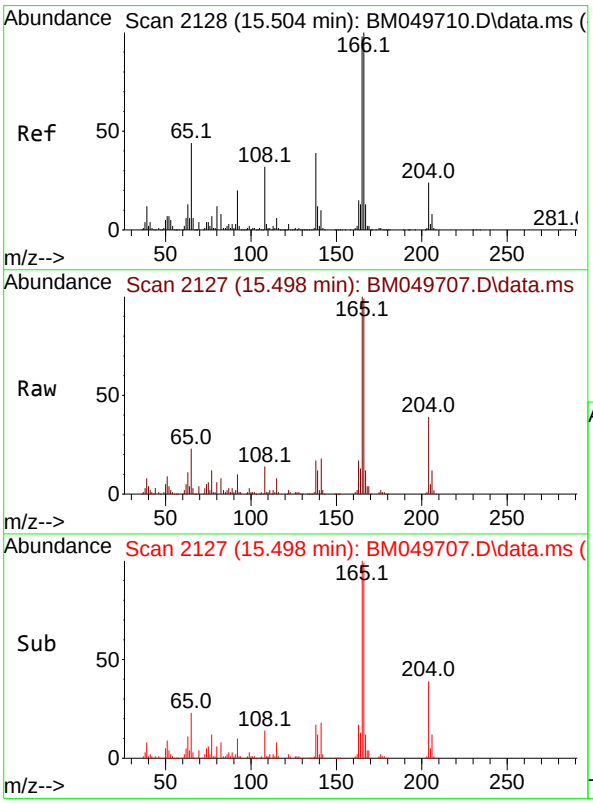
Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.2	37.8
141	48.4	34.5	51.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

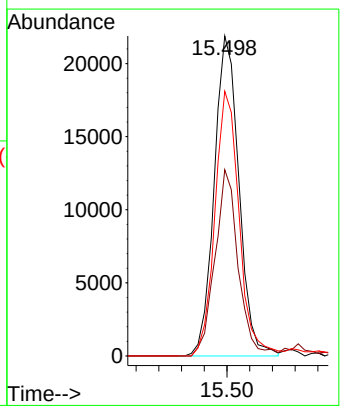


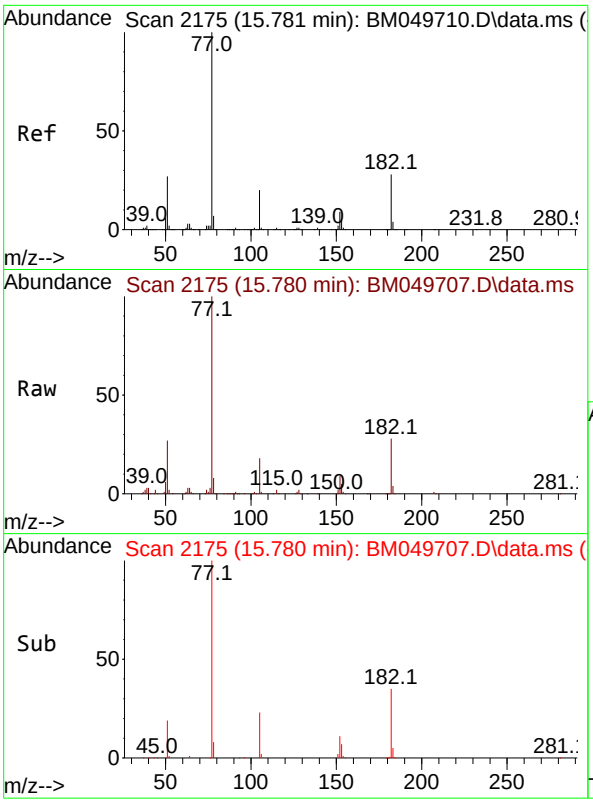


#62
4-Nitroaniline
Concen: 6.438 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:138 Resp: 33080

Ion	Ratio	Lower	Upper
138	100		
92	58.2	29.8	69.8
108	82.7	61.3	101.3

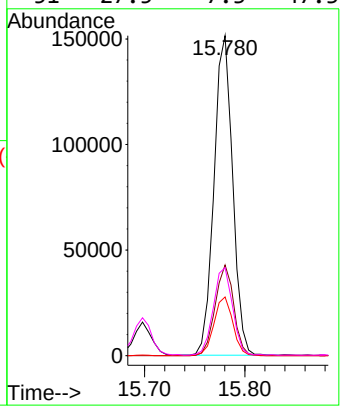




#63
Azobenzene
Concen: 4.328 ng
RT: 15.780 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion: 77 Resp: 19524

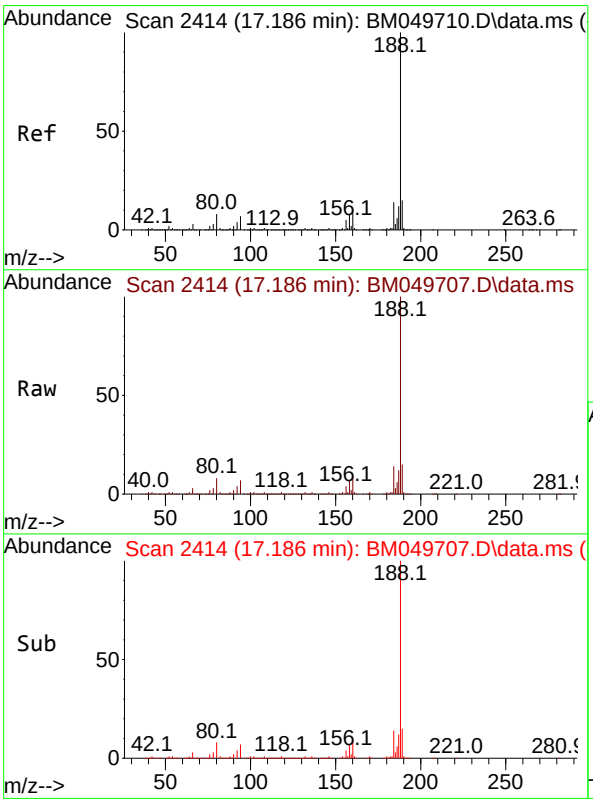
Ion	Ratio	Lower	Upper
77	100		
182	28.3	8.0	48.0
105	18.3	0.0	40.0
51	27.5	7.3	47.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

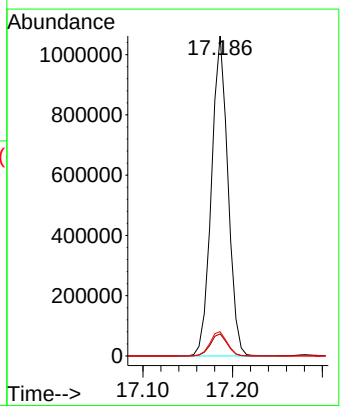
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

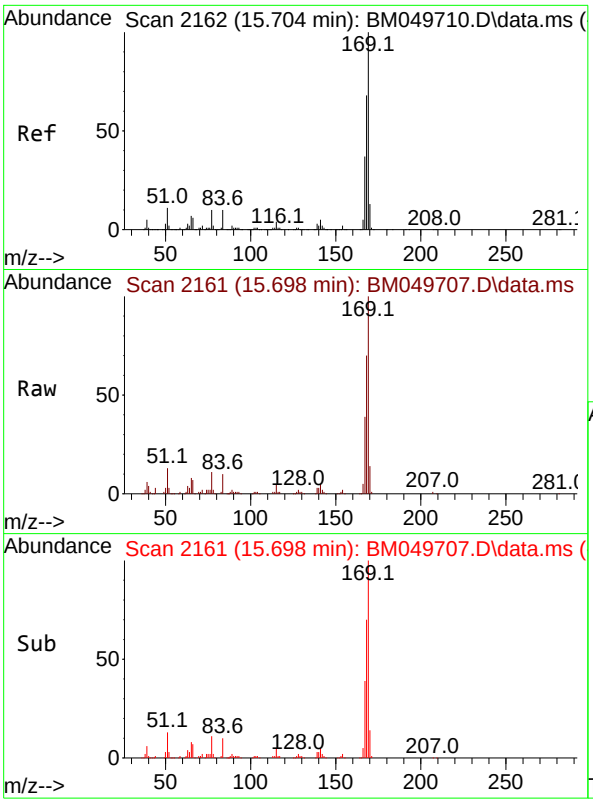


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:188 Resp: 1354361

Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.8	8.6
80	7.6	6.3	9.5

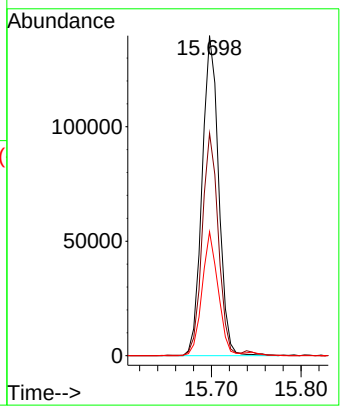




#66
n-Nitrosodiphenylamine
Concen: 4.370 ng
RT: 15.698 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:169 Resp: 17932

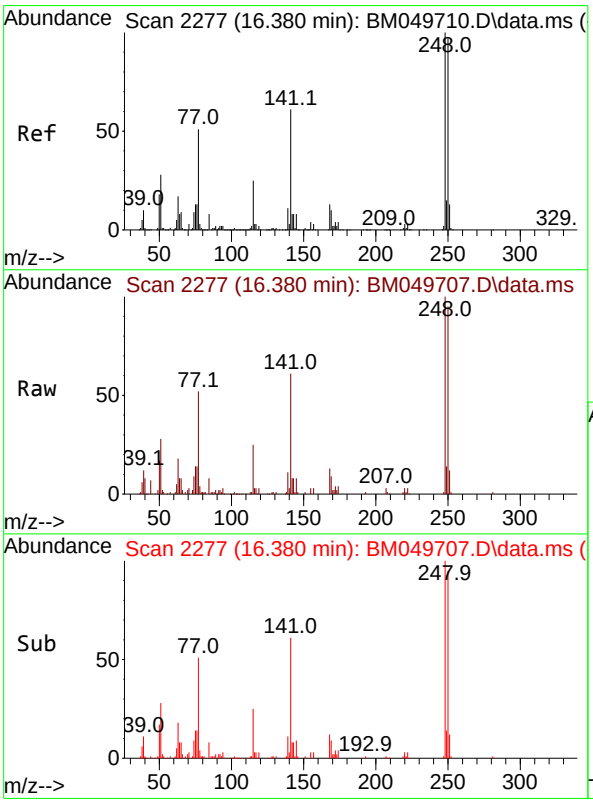
Ion	Ratio	Lower	Upper
169	100		
168	69.5	54.8	82.2
167	38.7	29.9	44.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

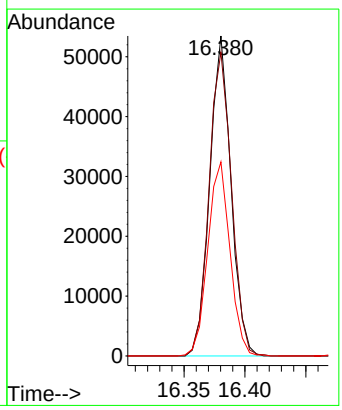
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

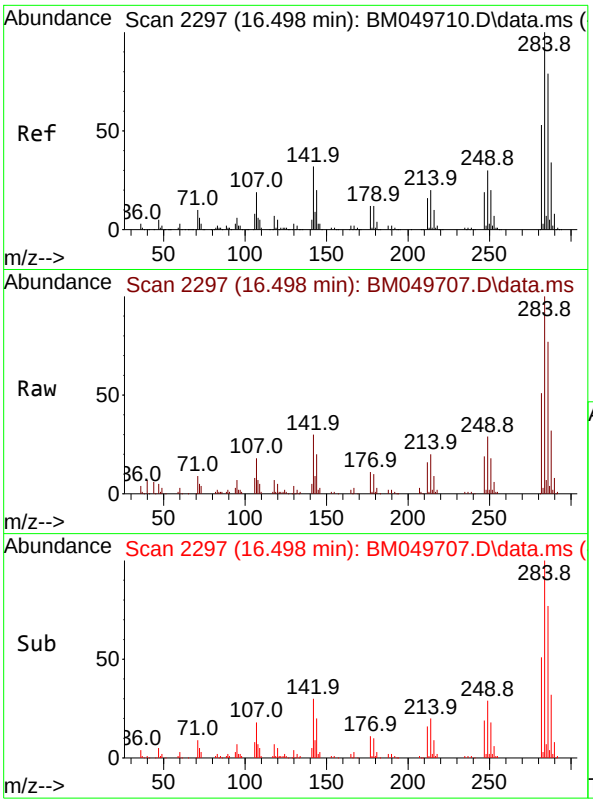


#67
4-Bromophenyl-phenylether
Concen: 4.158 ng
RT: 16.380 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:248 Resp: 65014

Ion	Ratio	Lower	Upper
248	100		
250	95.0	77.9	116.9
141	60.7	48.6	73.0

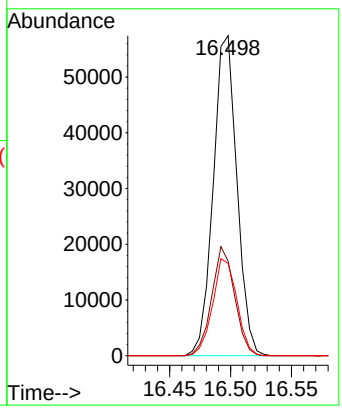




#68
Hexachlorobenzene
Concen: 4.417 ng
RT: 16.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:284 Resp: 7767

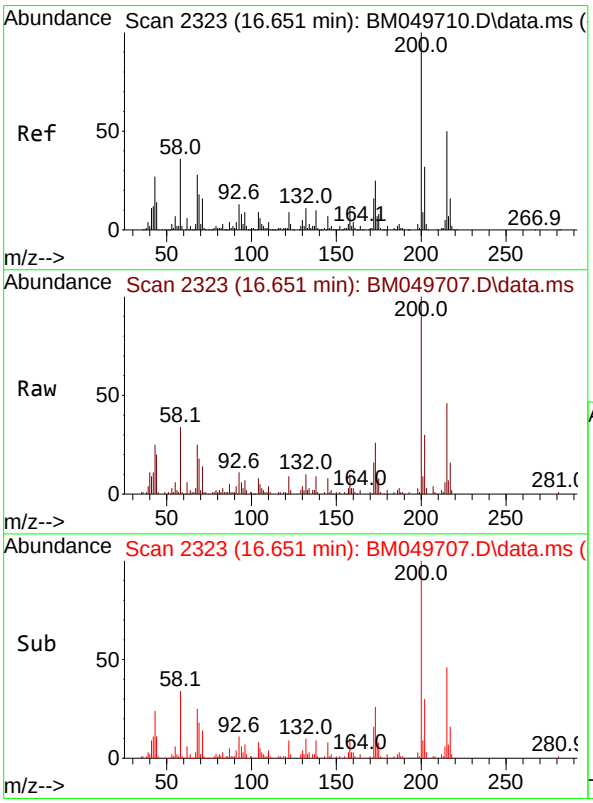
Ion	Ratio	Lower	Upper
284	100		
142	29.6	25.5	38.3
249	28.8	24.2	36.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

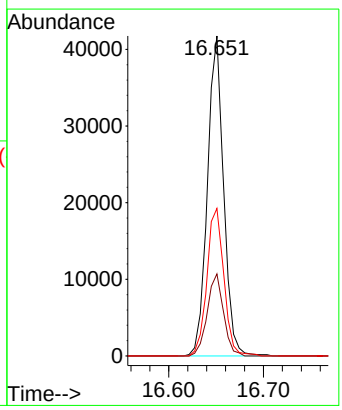
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

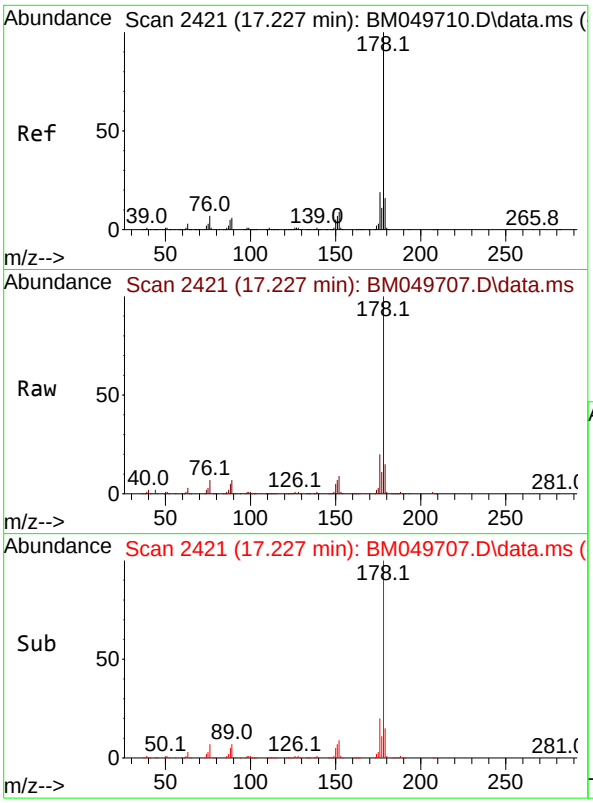


#69
Atrazine
Concen: 5.480 ng
RT: 16.651 min Scan# 2323
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:200 Resp: 49560

Ion	Ratio	Lower	Upper
200	100		
173	25.7	5.4	45.4
215	46.1	29.8	69.8

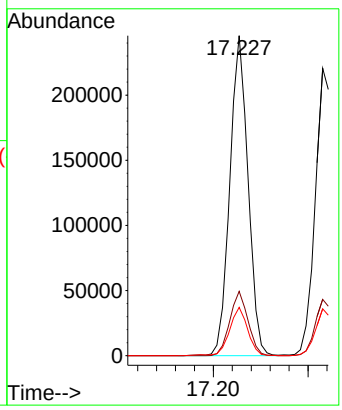




#71
Phenanthrene
Concen: 4.358 ng
RT: 17.227 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:178 Resp: 32775

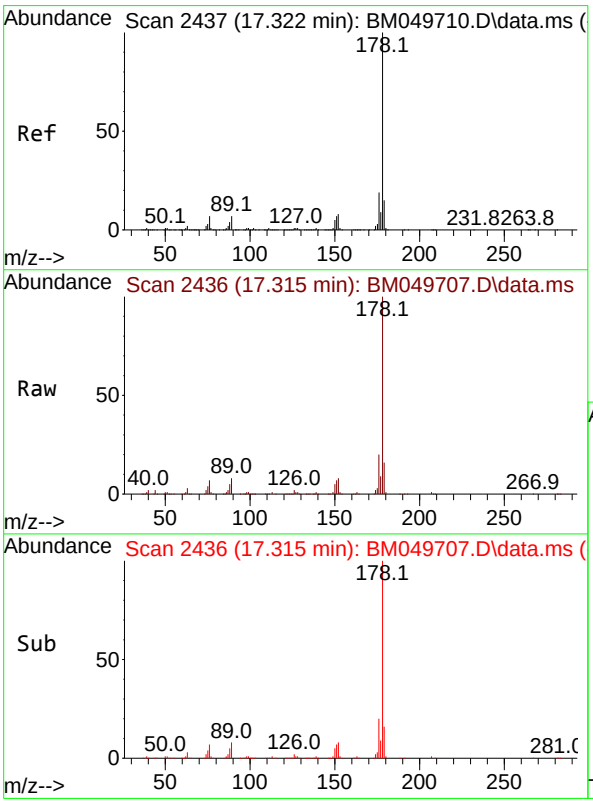
Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.5	23.3
179	15.1	12.5	18.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

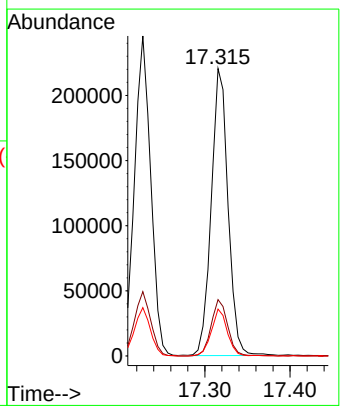
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

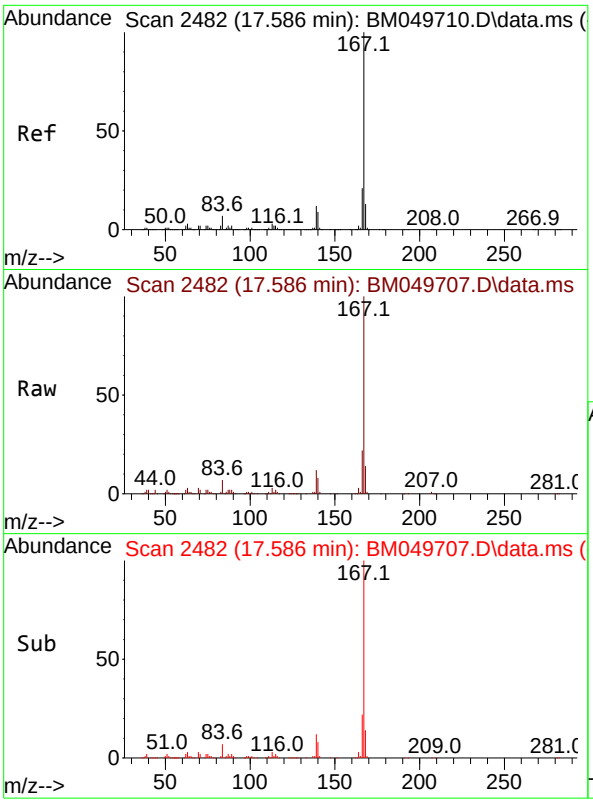


#72
Anthracene
Concen: 4.147 ng
RT: 17.315 min Scan# 2436
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:178 Resp: 302012

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	16.3	12.4	18.6

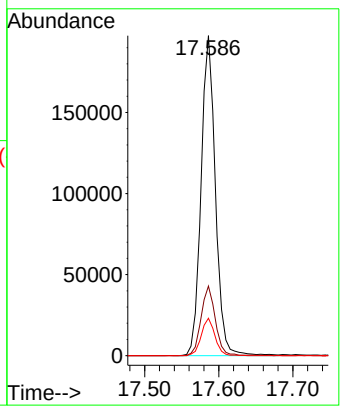




#73
Carbazole
Concen: 4.028 ng
RT: 17.586 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:167 Resp: 26566

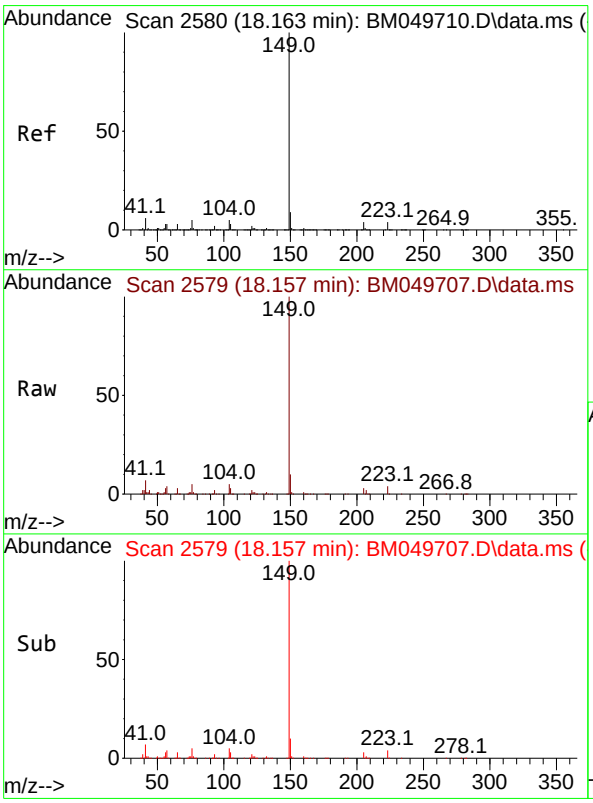
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	11.7	9.4	14.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

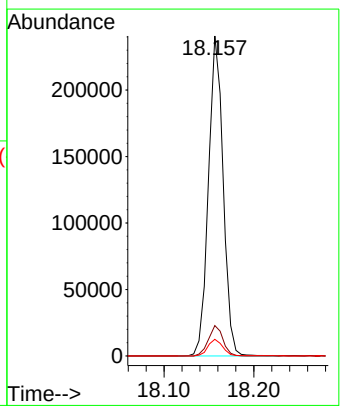
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

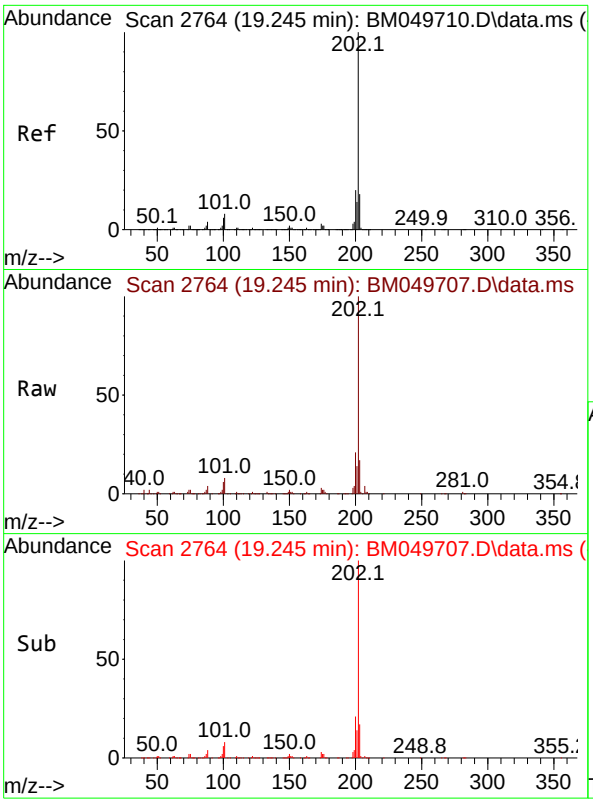


#74
Di-n-butylphthalate
Concen: 3.785 ng
RT: 18.157 min Scan# 2579
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:149 Resp: 273661

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.2	10.8
104	5.2	3.9	5.9

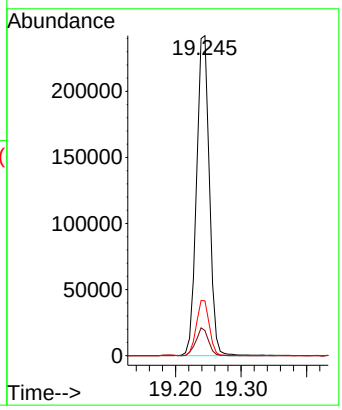




#75
Fluoranthene
Concen: 3.810 ng
RT: 19.245 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:202 Resp: 32985

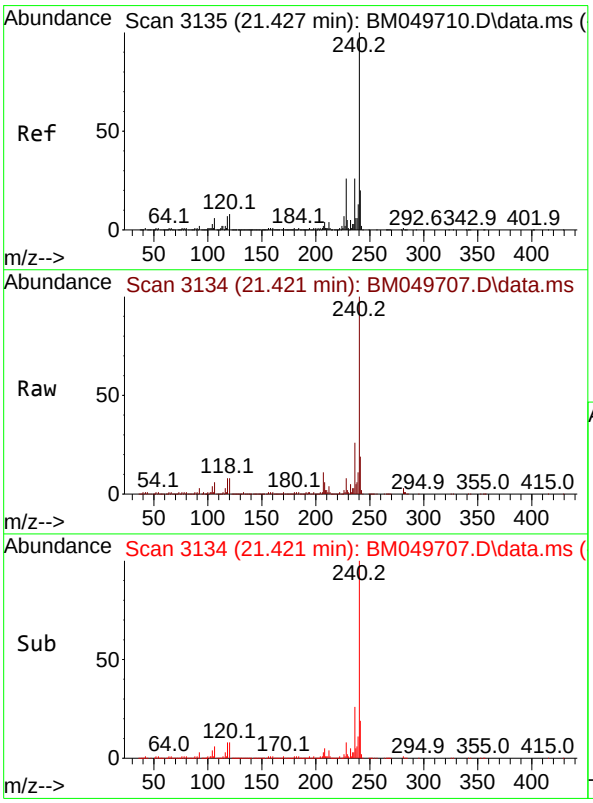
Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	27.8
203	17.1	0.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

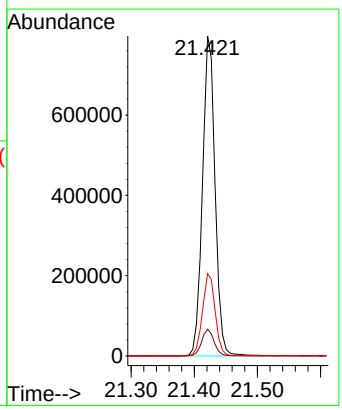
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

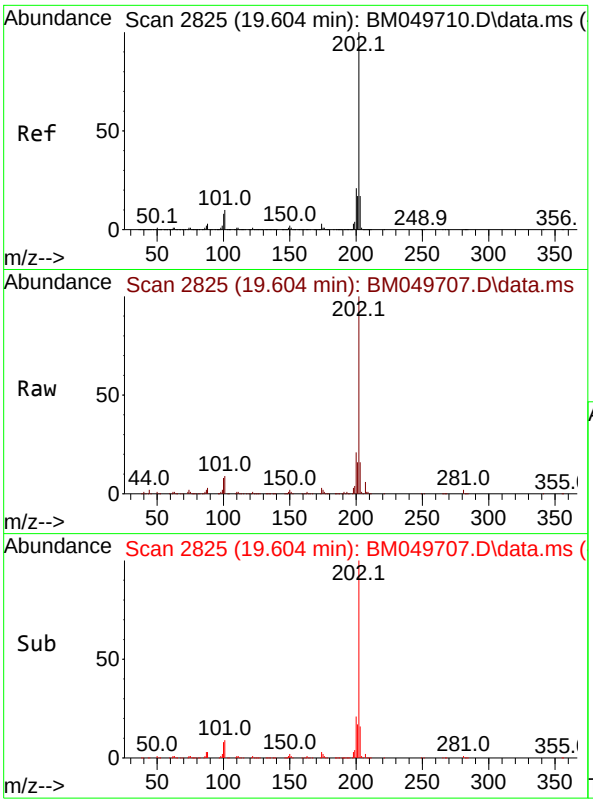


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:240 Resp: 1106026

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.5	9.7
236	25.8	20.7	31.1

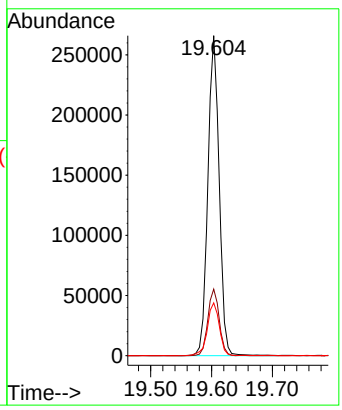




#78
Pyrene
Concen: 4.438 ng
RT: 19.604 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:202 Resp: 34296

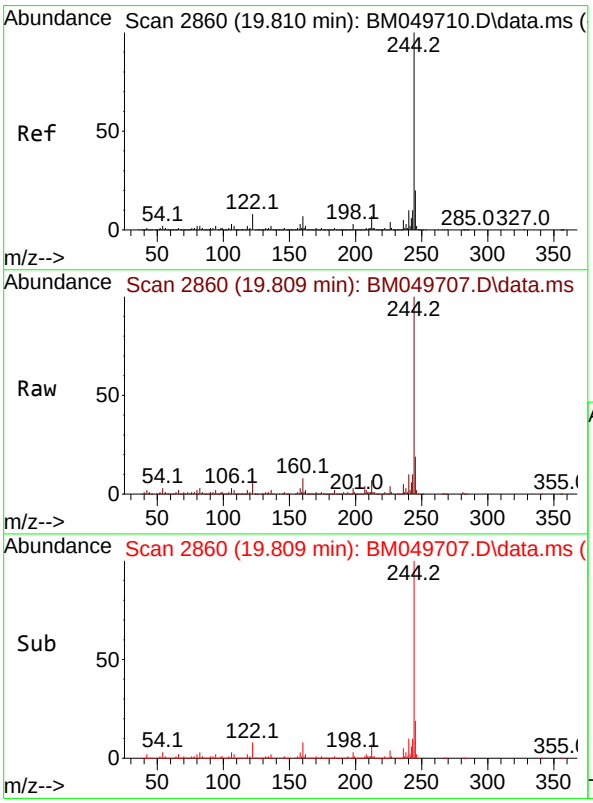
Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	16.5	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

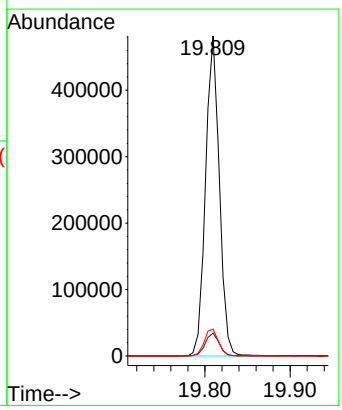
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

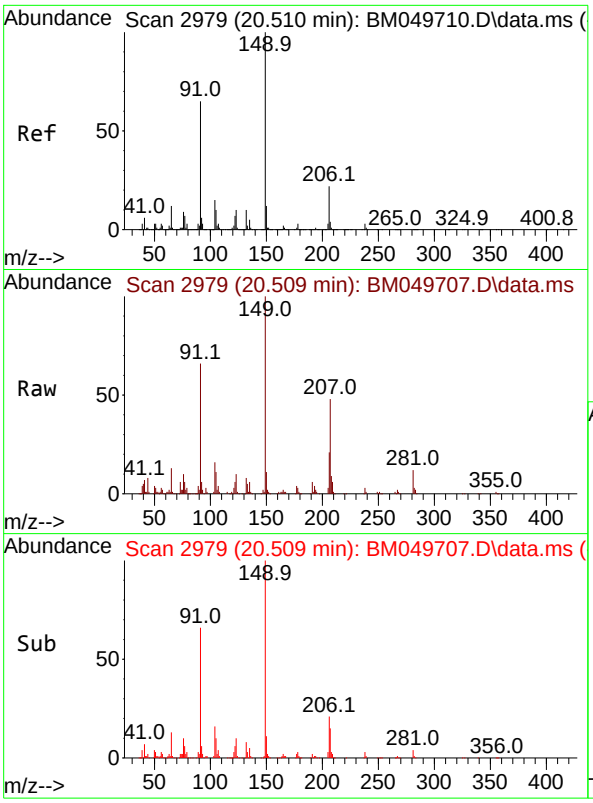


#79
Terphenyl-d14
Concen: 8.243 ng
RT: 19.809 min Scan# 2860
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:244 Resp: 541048

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	8.4	6.0	9.0

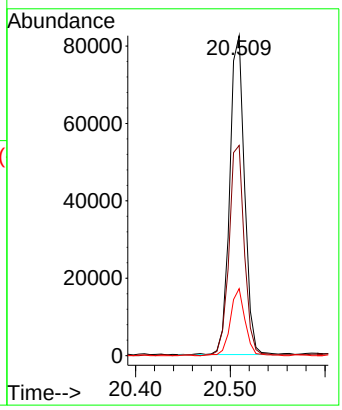




#80
Butylbenzylphthalate
Concen: 3.726 ng
RT: 20.509 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:149 Resp: 8935

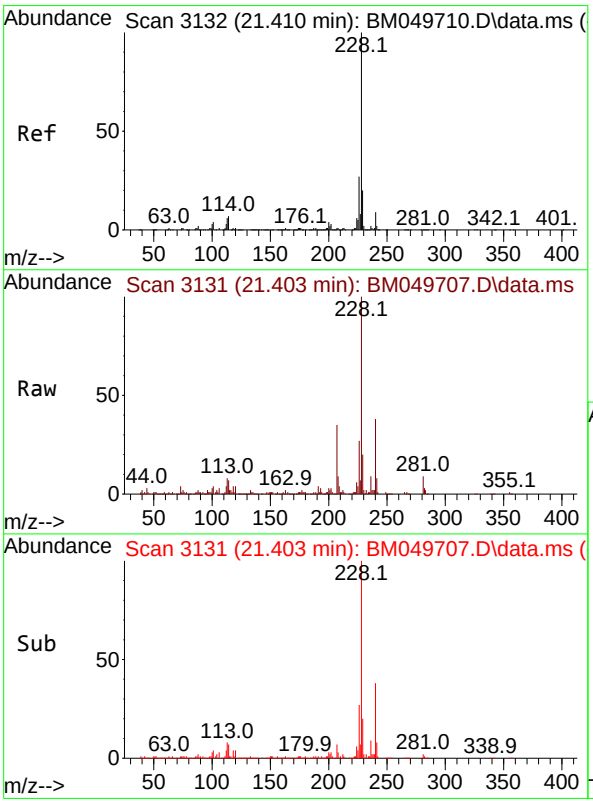
Ion	Ratio	Lower	Upper
149	100		
91	65.7	52.2	78.4
206	20.9	17.6	26.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

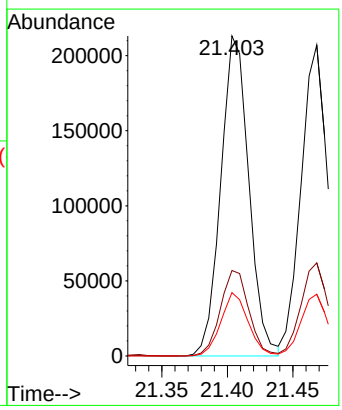
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

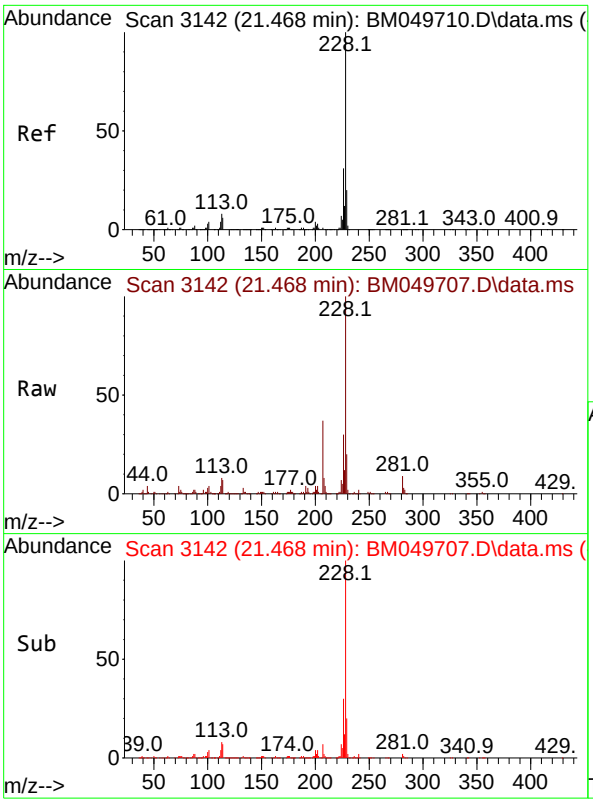


#81
Benzo(a)anthracene
Concen: 4.302 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:228 Resp: 317845

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.0	33.0
229	19.8	15.8	23.8

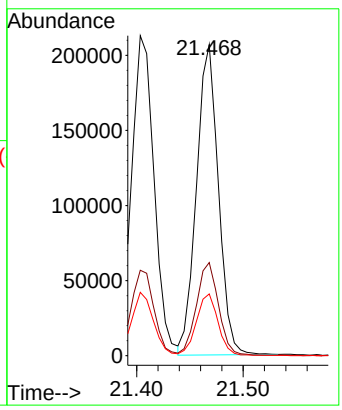




#83
Chrysene
Concen: 4.231 ng
RT: 21.468 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:228 Resp: 29629

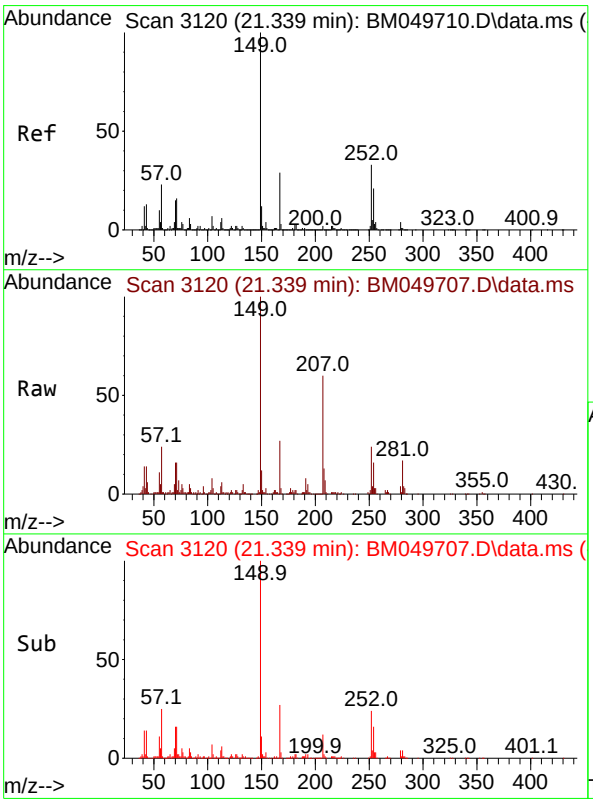
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.5	36.7
229	19.8	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

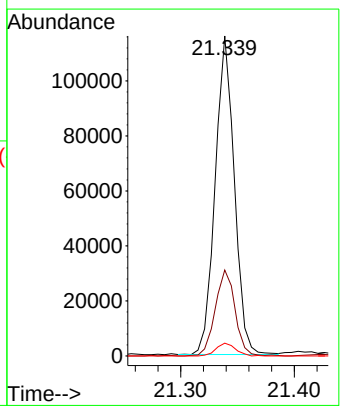
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

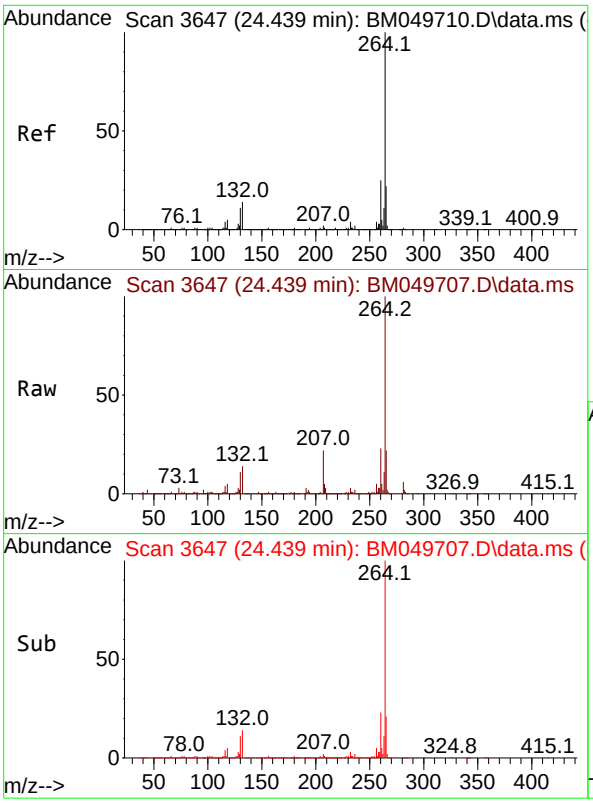


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.631 ng
RT: 21.339 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:149 Resp: 135712

Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.9	34.3
279	4.0	3.5	5.3

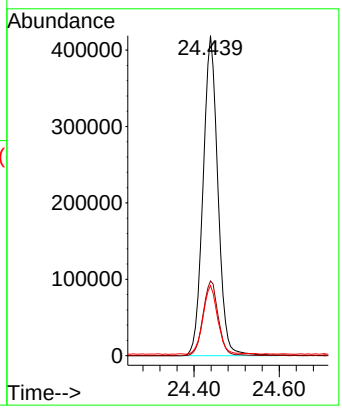




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.439 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:264 Resp: 101221

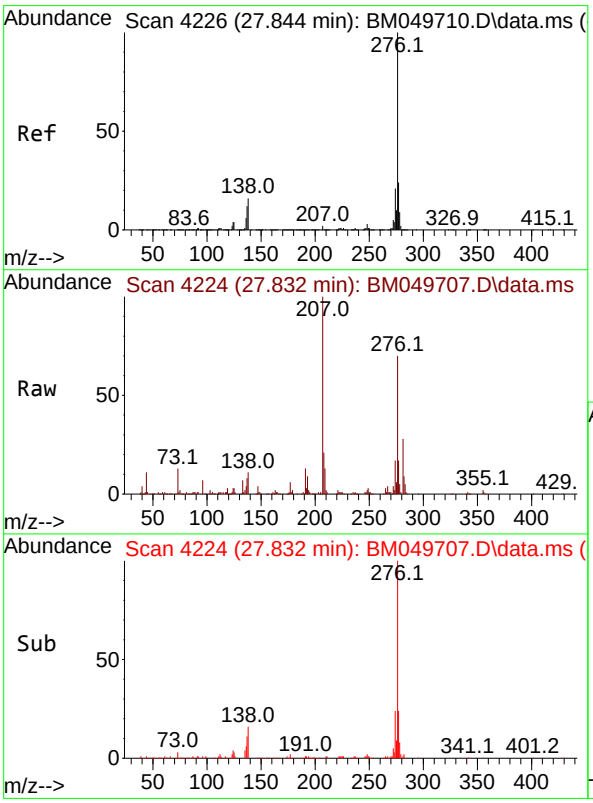
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.6	29.4
265	21.9	18.2	27.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

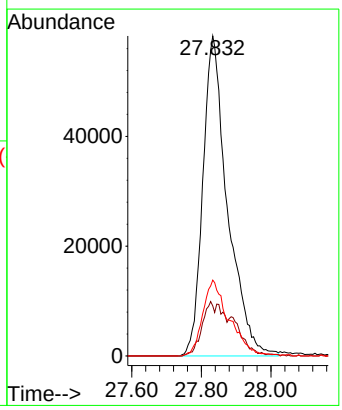
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

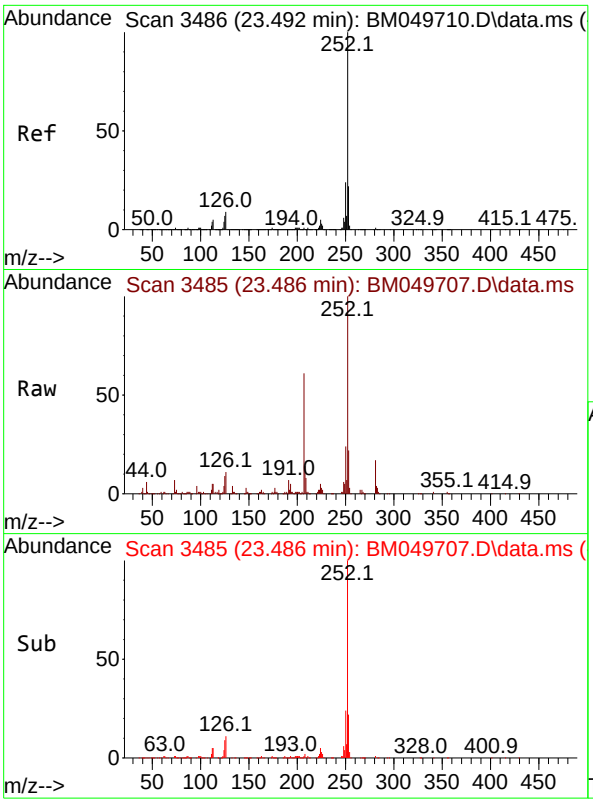


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.942 ng
RT: 27.832 min Scan# 4224
Delta R.T. -0.012 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:276 Resp: 287160

Ion	Ratio	Lower	Upper
276	100		
138	8.7	16.3	24.5#
277	25.3	19.9	29.9





#88
Benzo(b)fluoranthene
Concen: 4.038 ng
RT: 23.486 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

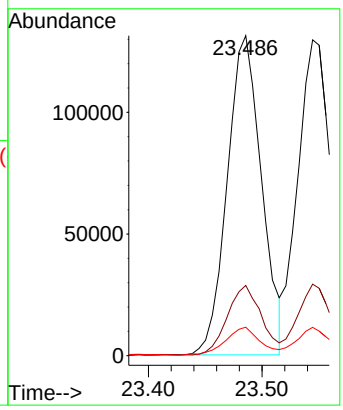
Tgt Ion:252 Resp: 27528

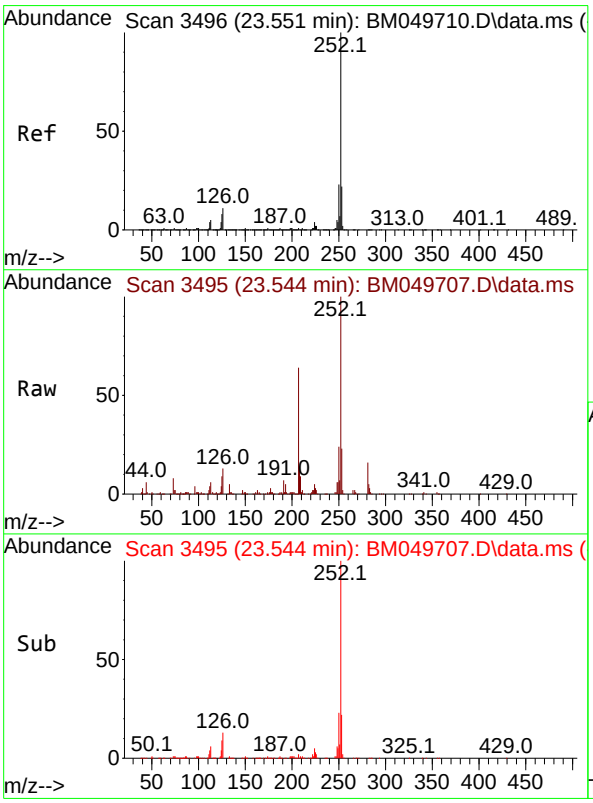
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	8.9	5.9	8.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

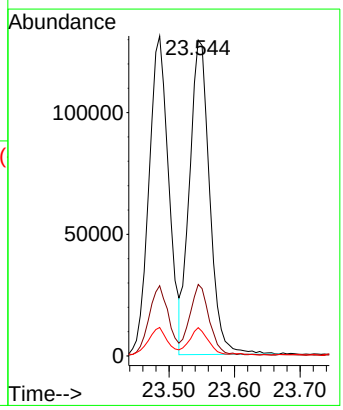


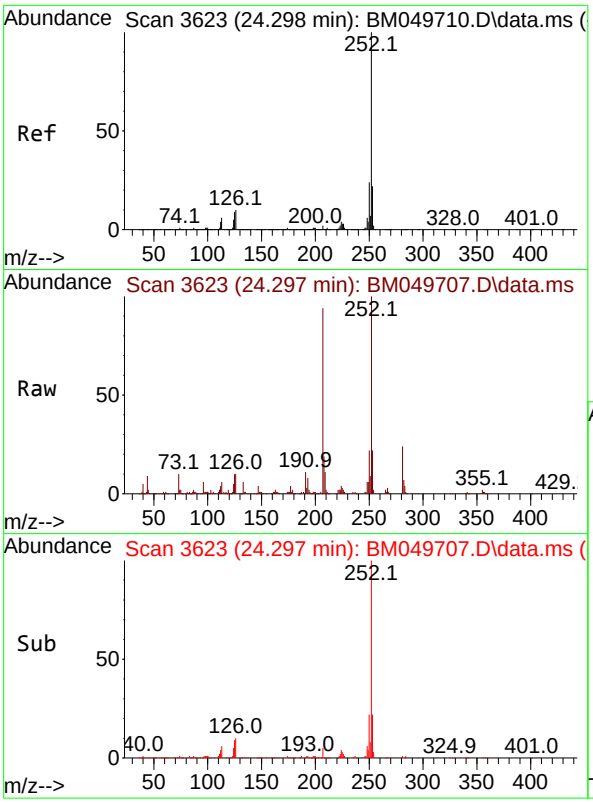


#89
Benzo(k)fluoranthene
Concen: 4.097 ng
RT: 23.544 min Scan# 3495
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:252 Resp: 274827

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	9.0	6.2	9.2

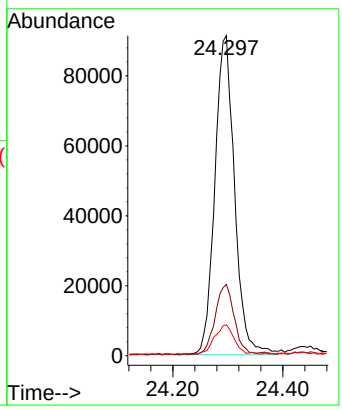




#90
Benzo(a)pyrene
Concen: 3.972 ng
RT: 24.297 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:252 Resp: 22743

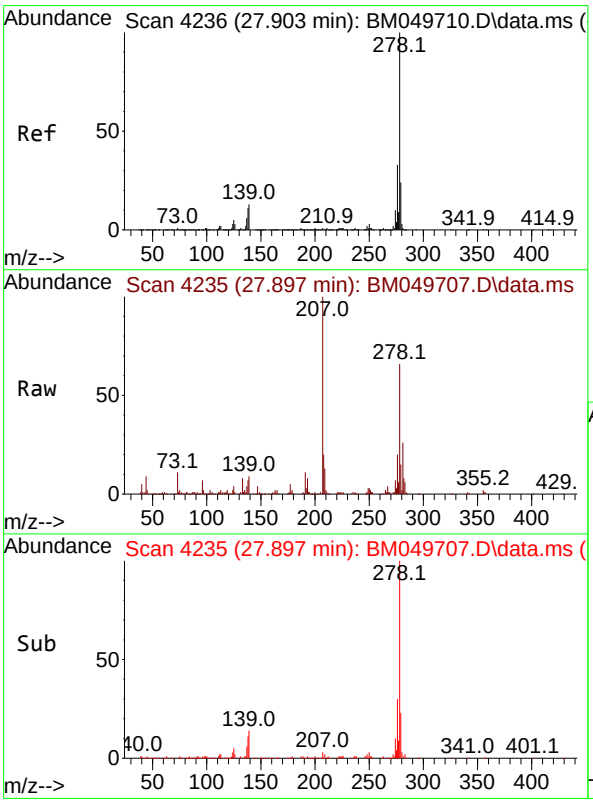
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	9.6	7.0	10.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

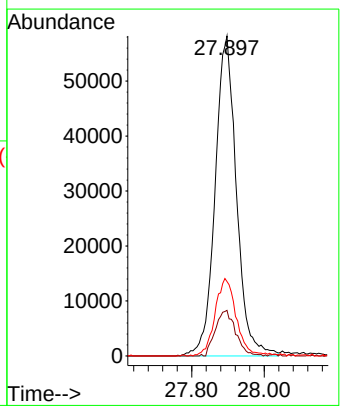
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

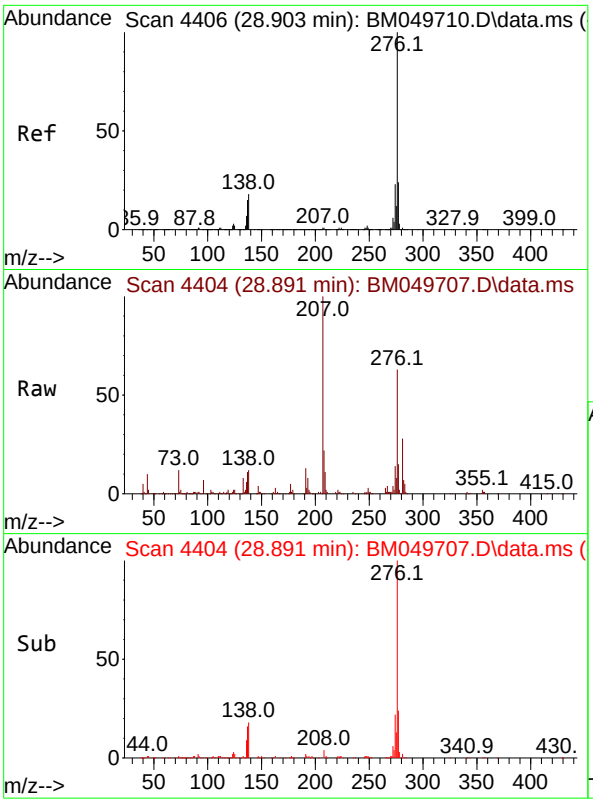


#91
Dibenzo(a,h)anthracene
Concen: 3.919 ng
RT: 27.897 min Scan# 4235
Delta R.T. -0.006 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:278 Resp: 237863

Ion	Ratio	Lower	Upper
278	100		
139	14.2	10.1	15.1
279	23.3	19.1	28.7

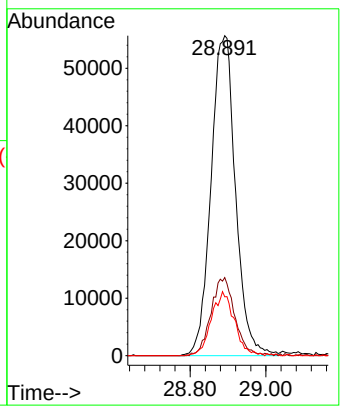




#92
Benzo(g,h,i)perylene
Concen: 4.095 ng
RT: 28.891 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049707.D
Acq: 13 Mar 2025 09:42

Tgt Ion:276 Resp: 25039

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	18.4	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049708.D
Acq On : 13 Mar 2025 10:21
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:40:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	293192	20.000	ng		0.00
21) Naphthalene-d8	10.604	136	1019320	20.000	ng		0.00
39) Acenaphthene-d10	14.445	164	633855	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	1188953	20.000	ng		0.00
76) Chrysene-d12	21.421	240	1054297	20.000	ng		0.00
86) Perylene-d12	24.438	264	996325	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.387	112	320027	18.418	ng		0.00
7) Phenol-d6	6.975	99	405535	18.597	ng		0.00
23) Nitrobenzene-d5	8.957	82	367976	18.534	ng		0.00
42) 2,4,6-Tribromophenol	15.927	330	122197	16.510	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	899550	17.773	ng		0.00
79) Terphenyl-d14	19.809	244	1076743	17.210	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.281	88	71151	9.459	ng		99
3) Pyridine	3.687	79	187922	9.770	ng		97
4) n-Nitrosodimethylamine	3.593	42	83810	9.860	ng	#	97
6) Aniline	7.128	93	186993	10.236	ng		97
8) 2-Chlorophenol	7.375	128	162914	9.468	ng		97
9) Benzaldehyde	6.945	77	126701	11.753	ng		98
10) Phenol	7.004	94	201202	9.516	ng		97
11) bis(2-Chloroethyl)ether	7.228	93	167287	9.770	ng		98
12) 1,3-Dichlorobenzene	7.698	146	202373	9.678	ng		99
13) 1,4-Dichlorobenzene	7.839	146	203124	9.628	ng		98
14) 1,2-Dichlorobenzene	8.157	146	194285	9.690	ng		100
15) Benzyl Alcohol	8.045	79	126394	9.236	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.339	45	201491	10.012	ng		99
17) 2-Methylphenol	8.251	107	118057	9.405	ng		99
18) Hexachloroethane	8.892	117	71494	9.597	ng		95
19) n-Nitroso-di-n-propyla...	8.610	70	119458	9.447	ng		98
20) 3+4-Methylphenols	8.575	107	157890	9.385	ng		97
22) Acetophenone	8.622	105	246249	9.369	ng	#	98
24) Nitrobenzene	8.998	77	173589	9.273	ng		99
25) Isophorone	9.528	82	271649	8.912	ng		100
26) 2-Nitrophenol	9.716	139	65814	8.260	ng		97
27) 2,4-Dimethylphenol	9.781	122	91250	8.997	ng		96
28) bis(2-Chloroethoxy)met...	10.010	93	198036	9.224	ng		98
29) 2,4-Dichlorophenol	10.251	162	147338	8.915	ng		96
30) 1,2,4-Trichlorobenzene	10.463	180	191764	9.274	ng		99
31) Naphthalene	10.651	128	485373	9.260	ng		99
32) Benzoic acid	9.863	122	62166m	7.205	ng		
33) 4-Chloroaniline	10.757	127	167497	9.364	ng		99
34) Hexachlorobutadiene	10.945	225	116499	9.127	ng		97
35) Caprolactam	11.522	113	30986	8.076	ng		97
36) 4-Chloro-3-methylphenol	11.886	107	122307	8.624	ng		97
37) 2-Methylnaphthalene	12.263	142	334335	9.122	ng		99
38) 1-Methylnaphthalene	12.486	142	326369	9.230	ng		100
40) 1,2,4,5-Tetrachloroben...	12.633	216	206804	8.882	ng		100
41) Hexachlorocyclopentadiene	12.622	237	73417	8.512	ng		95
43) 2,4,6-Trichlorophenol	12.874	196	109119	8.368	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049708.D
Acq On : 13 Mar 2025 10:21
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:40:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.951	196	122162	8.585	ng		97
46) 1,1'-Biphenyl	13.280	154	443501	9.078	ng		100
47) 2-Chloronaphthalene	13.321	162	353401	9.294	ng		97
48) 2-Nitroaniline	13.516	65	71291	8.352	ng		92
49) Acenaphthylene	14.163	152	475985	8.955	ng		99
50) Dimethylphthalate	13.898	163	399925	9.164	ng		100
51) 2,6-Dinitrotoluene	14.016	165	78037	8.924	ng		95
52) Acenaphthene	14.510	154	312188m	8.966	ng		
53) 3-Nitroaniline	14.339	138	70204	8.437	ng	#	91
54) 2,4-Dinitrophenol	14.545	184	26403	10.075	ng		95
55) Dibenzofuran	14.845	168	540494	9.304	ng		98
56) 4-Nitrophenol	14.657	139	54482	7.522	ng		94
57) 2,4-Dinitrotoluene	14.798	165	93083	8.273	ng		93
58) Fluorene	15.492	166	411120	8.692	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.068	232	103158	8.660	ng		99
60) Diethylphthalate	15.268	149	370777	9.021	ng		98
61) 4-Chlorophenyl-phenyle...	15.486	204	222371	8.610	ng		95
62) 4-Nitroaniline	15.498	138	69493	10.227	ng		96
63) Azobenzene	15.780	77	351412	8.951	ng		98
65) 4,6-Dinitro-2-methylph...	15.563	198	39732	10.052	ng		85
66) n-Nitrosodiphenylamine	15.698	169	315359	8.754	ng		100
67) 4-Bromophenyl-phenylether	16.380	248	119644	8.716	ng		97
68) Hexachlorobenzene	16.498	284	137892	8.933	ng		99
69) Atrazine	16.651	200	89697	11.298	ng		98
70) Pentachlorophenol	16.839	266	70011	7.217	ng		97
71) Phenanthrene	17.227	178	594833	9.010	ng		99
72) Anthracene	17.315	178	554514	8.673	ng		100
73) Carbazole	17.586	167	508267	8.778	ng		99
74) Di-n-butylphthalate	18.156	149	526299	8.293	ng		99
75) Fluoranthene	19.239	202	629945	8.288	ng		98
77) Benzidine	19.427	184	97550	7.702	ng		100
78) Pyrene	19.603	202	660354	8.965	ng		100
80) Butylbenzylphthalate	20.509	149	185369	8.109	ng		99
81) Benzo(a)anthracene	21.403	228	625441	8.882	ng		99
82) 3,3'-Dichlorobenzidine	21.327	252	167274	7.296	ng		97
83) Chrysene	21.468	228	597771	8.955	ng		99
84) Bis(2-ethylhexyl)phtha...	21.339	149	285266	8.007	ng		98
85) Di-n-octyl phthalate	22.480	149	407812	7.365	ng		99
87) Indeno(1,2,3-cd)pyrene	27.826	276	604218	8.426	ng		99
88) Benzo(b)fluoranthene	23.486	252	567116	8.451	ng		98
89) Benzo(k)fluoranthene	23.550	252	571705	8.658	ng		100
90) Benzo(a)pyrene	24.291	252	472134	8.376	ng		99
91) Dibenzo(a,h)anthracene	27.891	278	509483	8.527	ng		100
92) Benzo(g,h,i)perylene	28.891	276	519343	8.630	ng		99

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

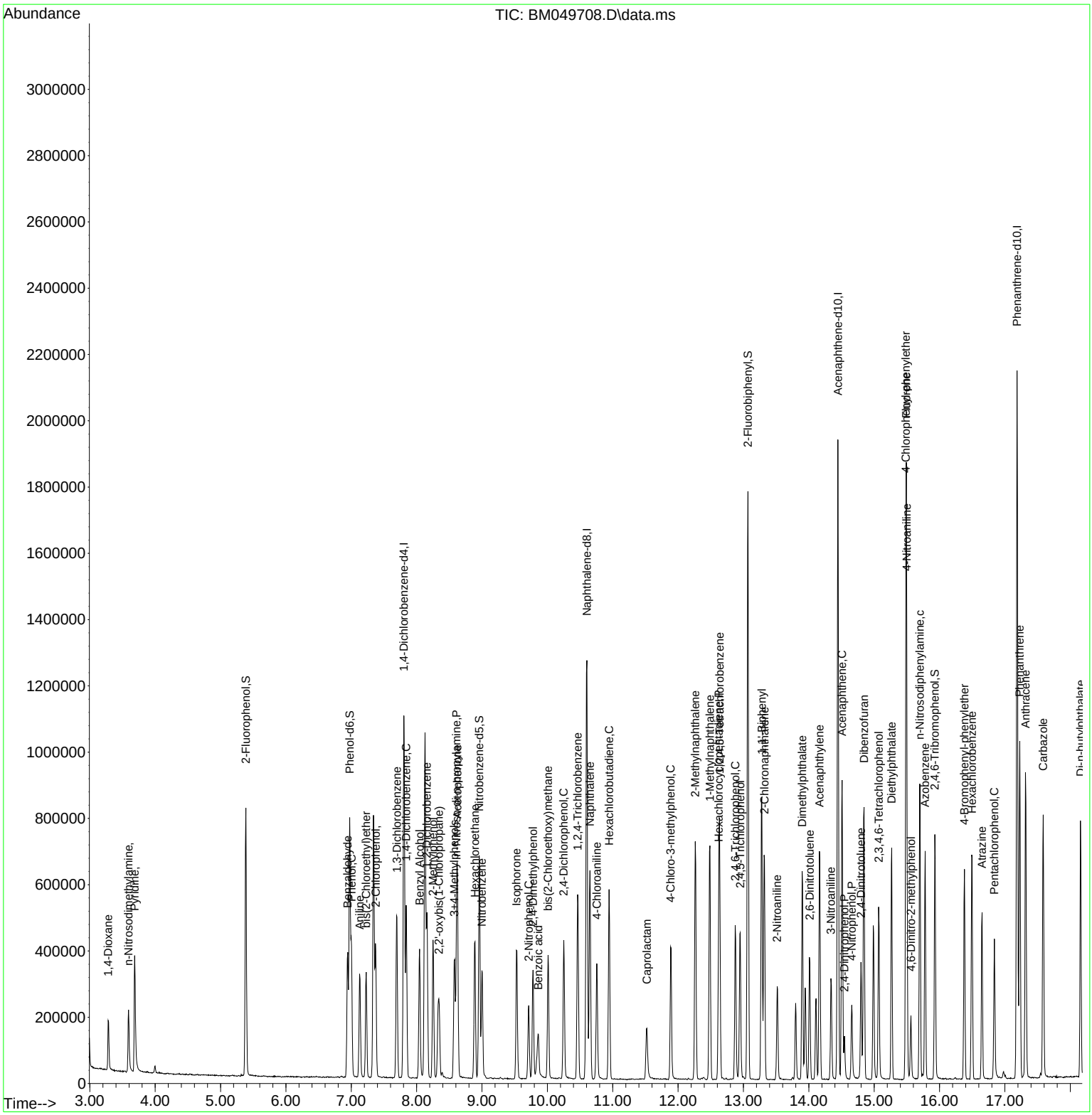
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049708.D
Acq On : 13 Mar 2025 10:21
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 13 14:40:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



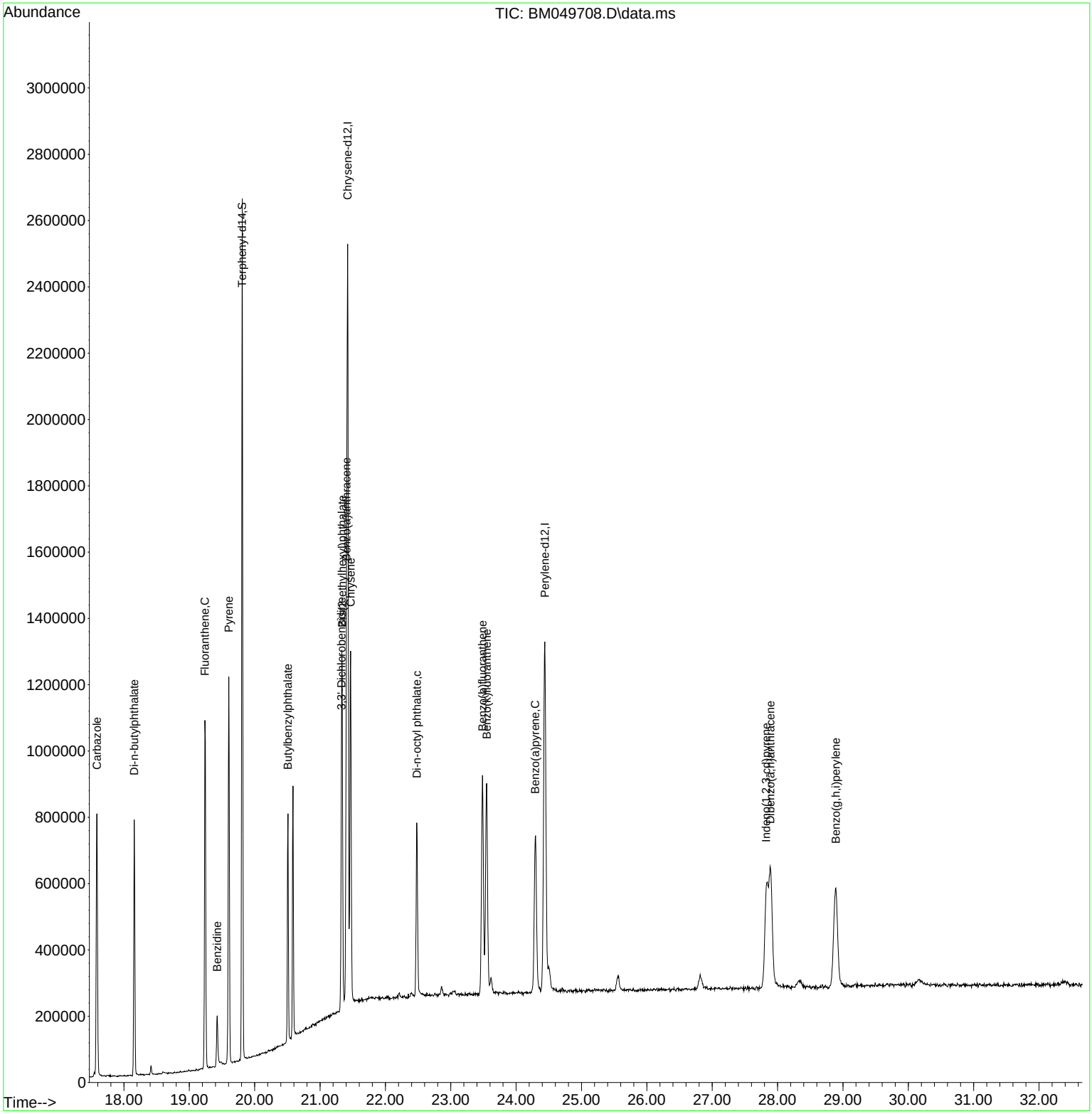
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049708.D
Acq On : 13 Mar 2025 10:21
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

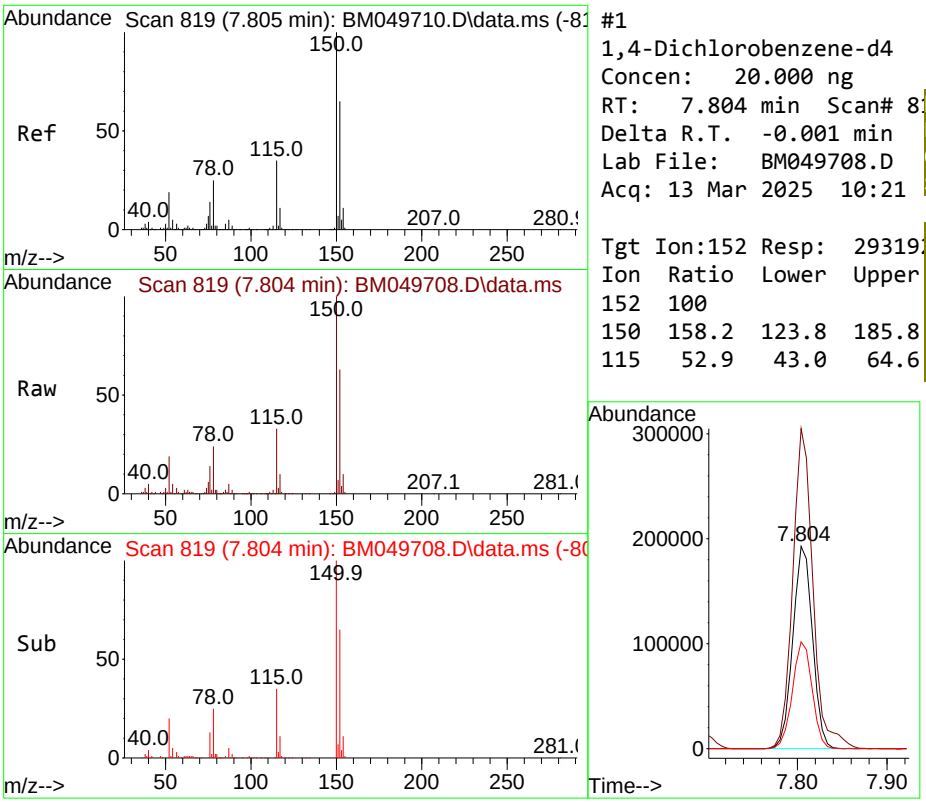
Quant Time: Mar 13 14:40:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 8
Delta R.T. -0.001 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

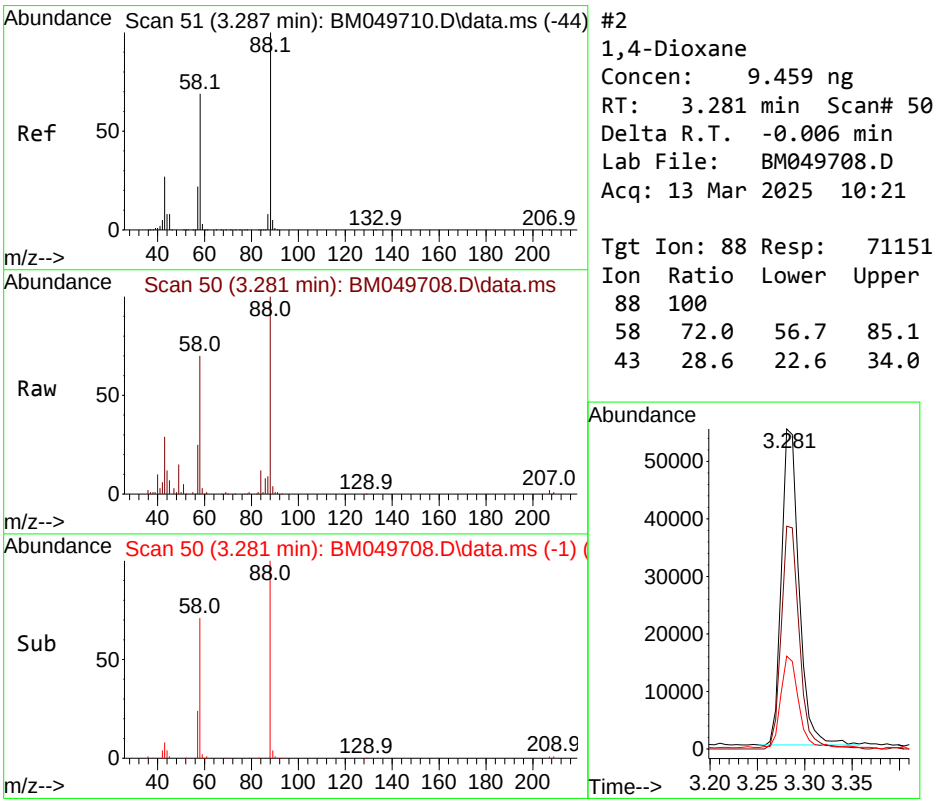
Tgt Ion:152 Resp: 29319

Ion	Ratio	Lower	Upper
152	100		
150	158.2	123.8	185.8
115	52.9	43.0	64.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

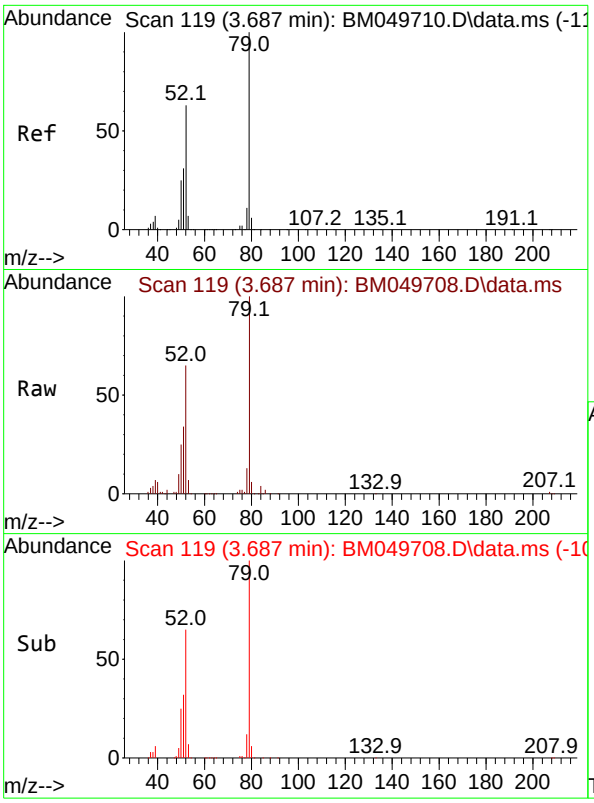
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#2
1,4-Dioxane
Concen: 9.459 ng
RT: 3.281 min Scan# 50
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 88 Resp: 71151

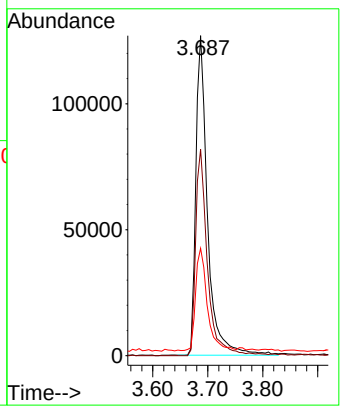
Ion	Ratio	Lower	Upper
88	100		
58	72.0	56.7	85.1
43	28.6	22.6	34.0



#3
Pyridine
Concen: 9.770 ng
RT: 3.687 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 79 Resp: 18792

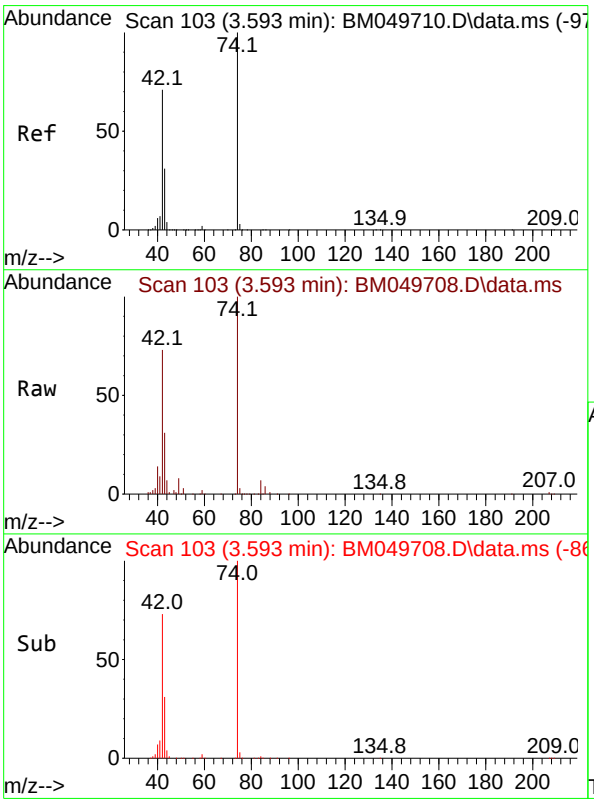
Ion	Ratio	Lower	Upper
79	100		
52	64.5	50.1	75.1
51	33.5	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

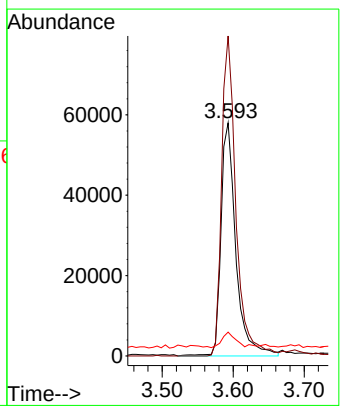
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

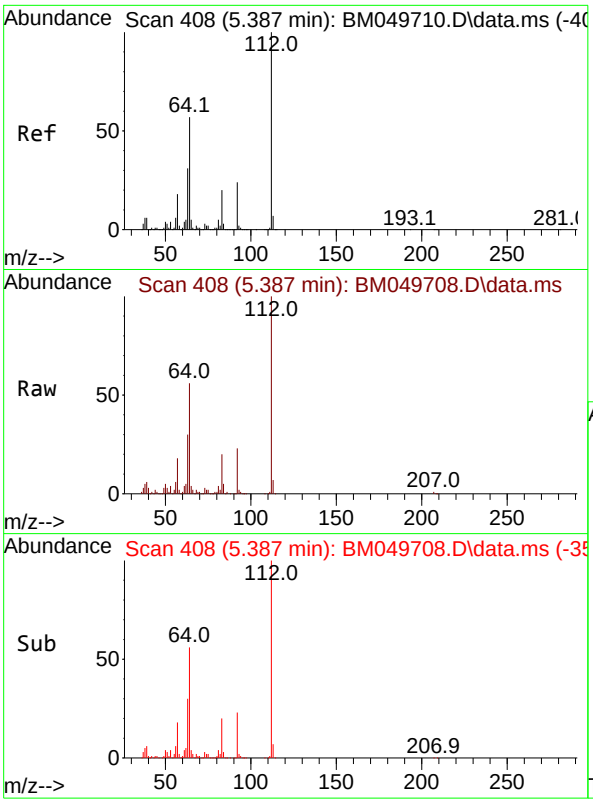


#4
n-Nitrosodimethylamine
Concen: 9.860 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 42 Resp: 83810

Ion	Ratio	Lower	Upper
42	100		
74	137.3	112.6	168.8
44	10.2	5.0	7.6#

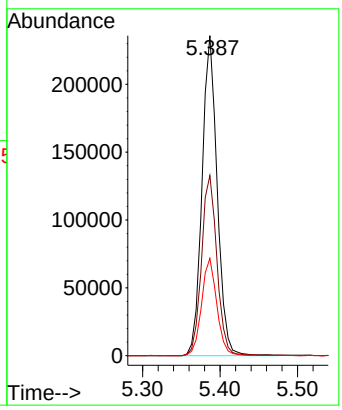




#5
2-Fluorophenol
Concen: 18.418 ng
RT: 5.387 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:112 Resp: 32002

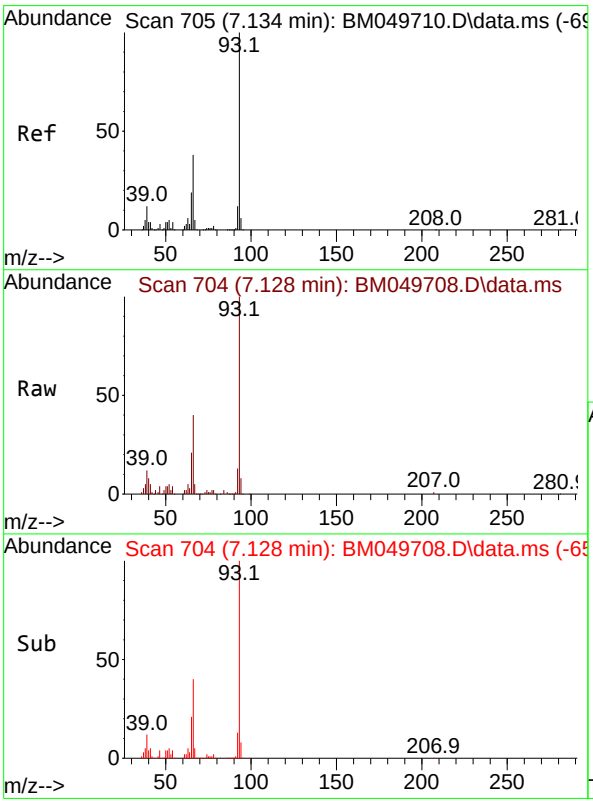
Ion	Ratio	Lower	Upper
112	100		
64	56.3	45.3	67.9
63	30.4	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

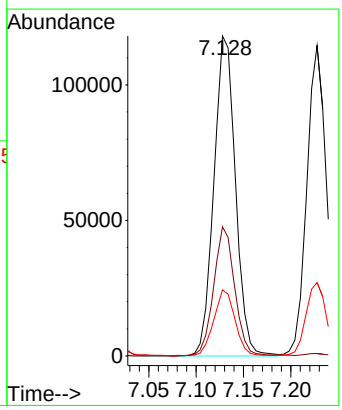
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

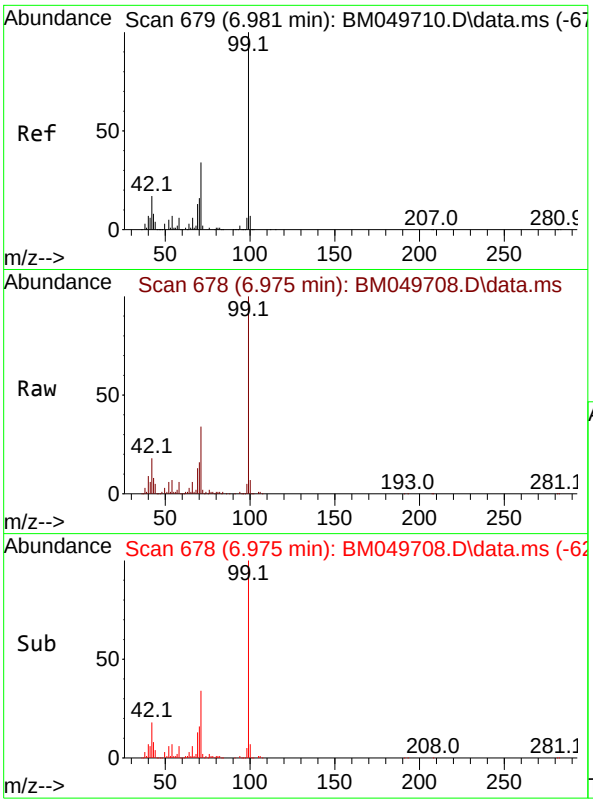


#6
Aniline
Concen: 10.236 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 93 Resp: 186993

Ion	Ratio	Lower	Upper
93	100		
66	40.3	30.6	46.0
65	20.7	15.4	23.2

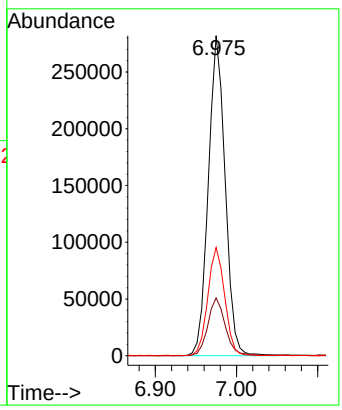




#7
Phenol-d6
Concen: 18.597 ng
RT: 6.975 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 99 Resp: 40553

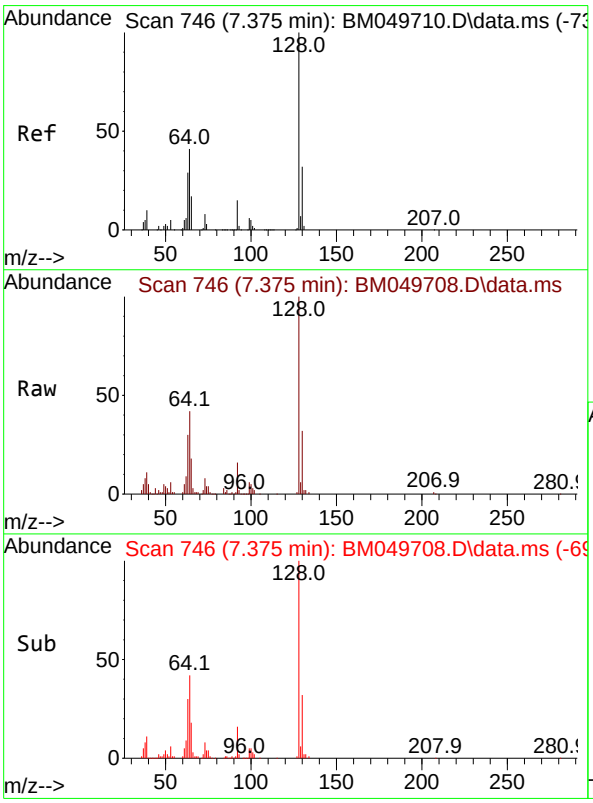
Ion	Ratio	Lower	Upper
99	100		
42	18.0	13.6	20.4
71	33.8	27.0	40.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

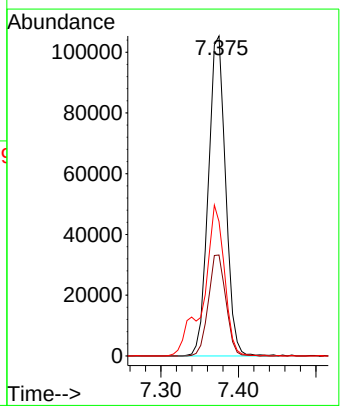
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

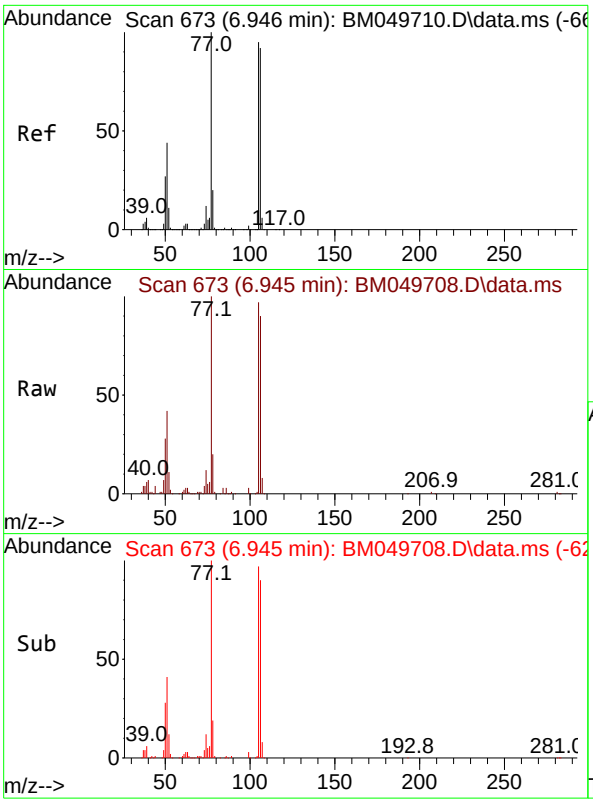


#8
2-Chlorophenol
Concen: 9.468 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:128 Resp: 162914

Ion	Ratio	Lower	Upper
128	100		
130	31.5	12.5	52.5
64	42.0	24.9	64.9

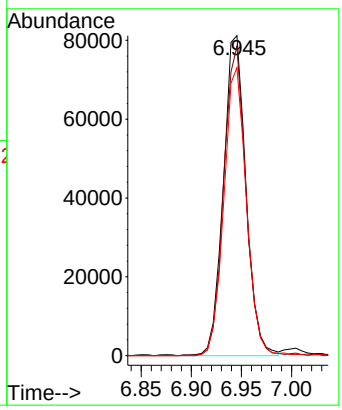




#9
Benzaldehyde
Concen: 11.753 ng
RT: 6.945 min Scan# 6
Delta R.T. -0.001 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 77 Resp: 12670

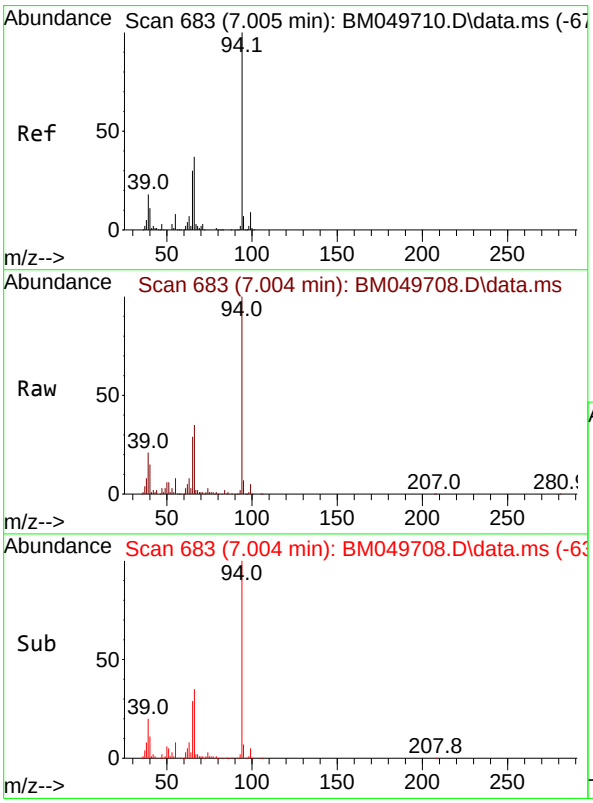
Ion	Ratio	Lower	Upper
77	100		
105	96.7	75.0	115.0
106	90.0	72.3	112.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

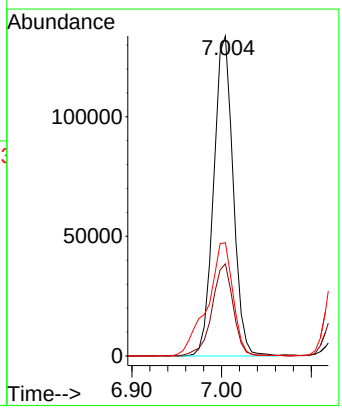
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

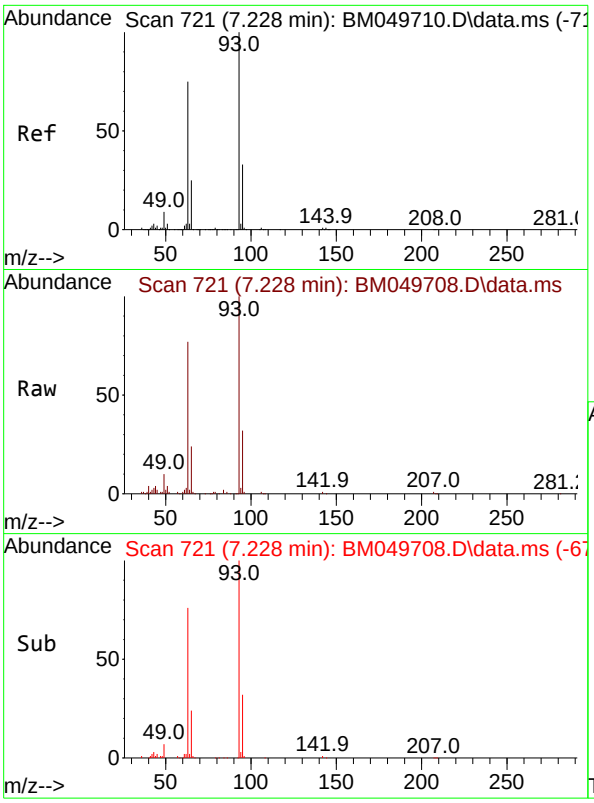


#10
Phenol
Concen: 9.516 ng
RT: 7.004 min Scan# 683
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 94 Resp: 201202

Ion	Ratio	Lower	Upper
94	100		
65	28.8	10.4	50.4
66	35.4	17.1	57.1

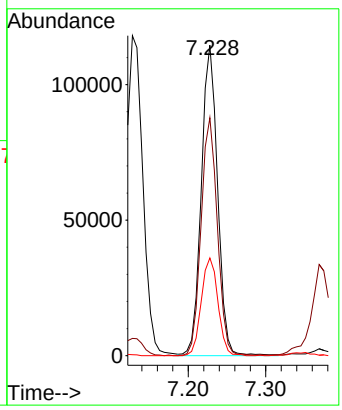




#11
bis(2-Chloroethyl)ether
Concen: 9.770 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 93 Resp: 16728

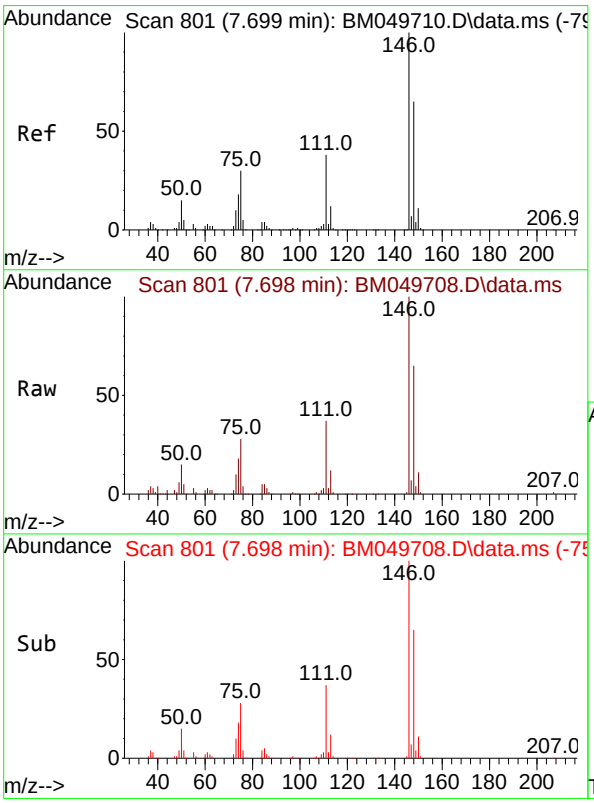
Ion	Ratio	Lower	Upper
93	100		
63	76.7	54.8	94.8
95	31.5	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

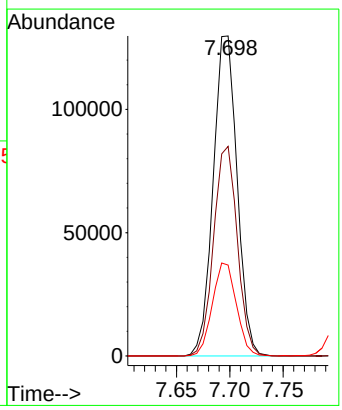
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

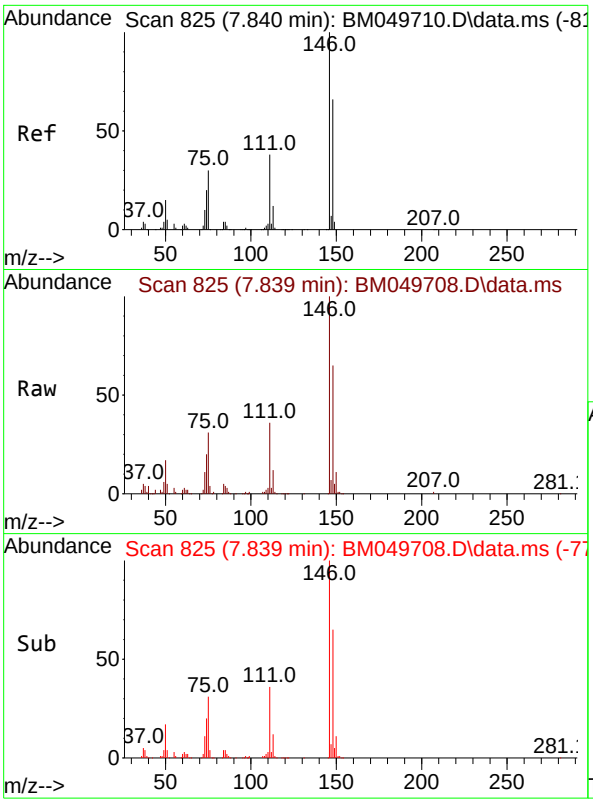


#12
1,3-Dichlorobenzene
Concen: 9.678 ng
RT: 7.698 min Scan# 801
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:146 Resp: 202373

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.3	78.5
75	28.4	24.2	36.2

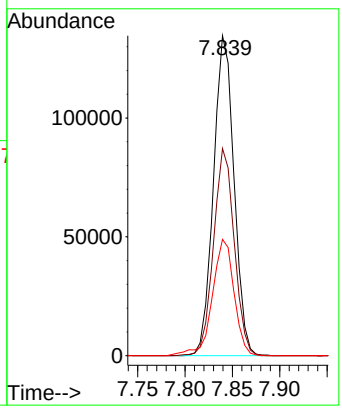




#13
1,4-Dichlorobenzene
Concen: 9.628 ng
RT: 7.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:146 Resp: 20312

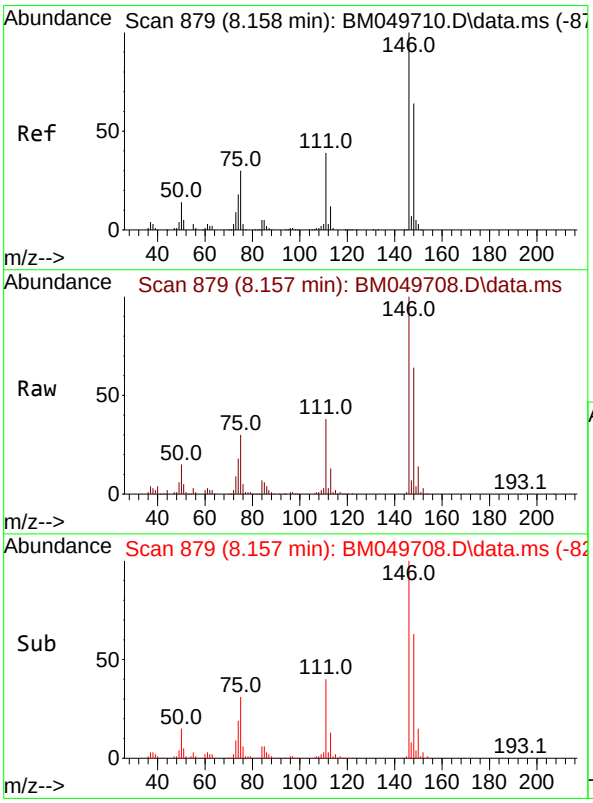
Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.6	79.0
111	36.4	30.8	46.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

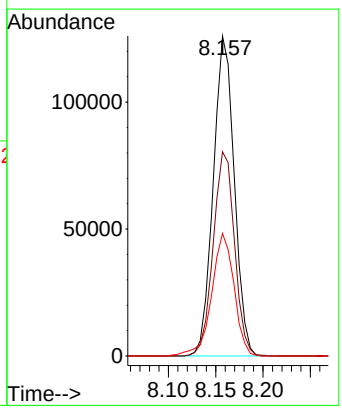
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

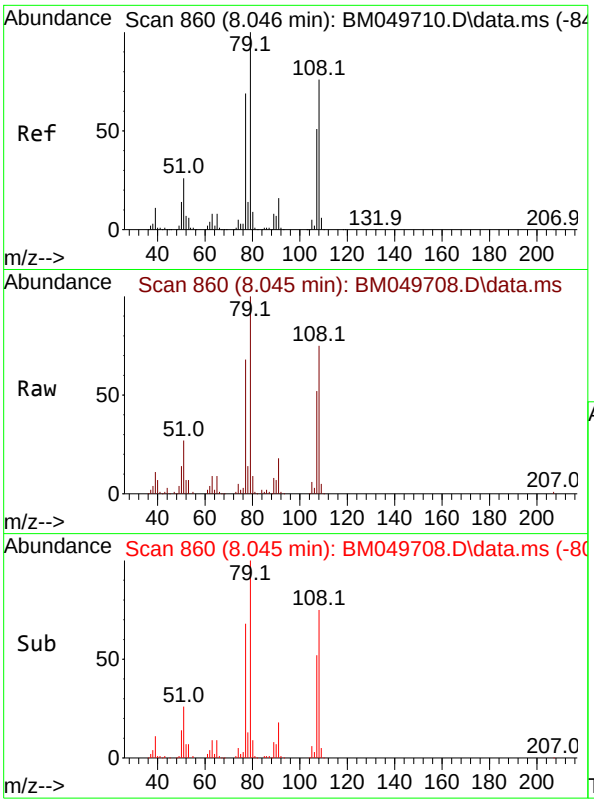


#14
1,2-Dichlorobenzene
Concen: 9.690 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:146 Resp: 194285

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.9	76.3
111	38.3	31.0	46.6

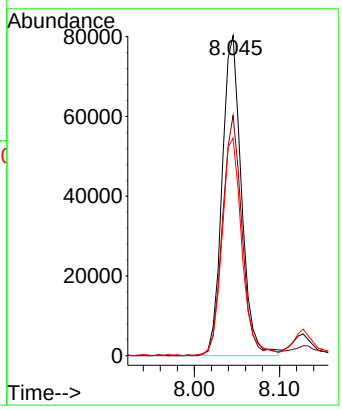




#15
Benzyl Alcohol
Concen: 9.236 ng
RT: 8.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 79 Resp: 12639

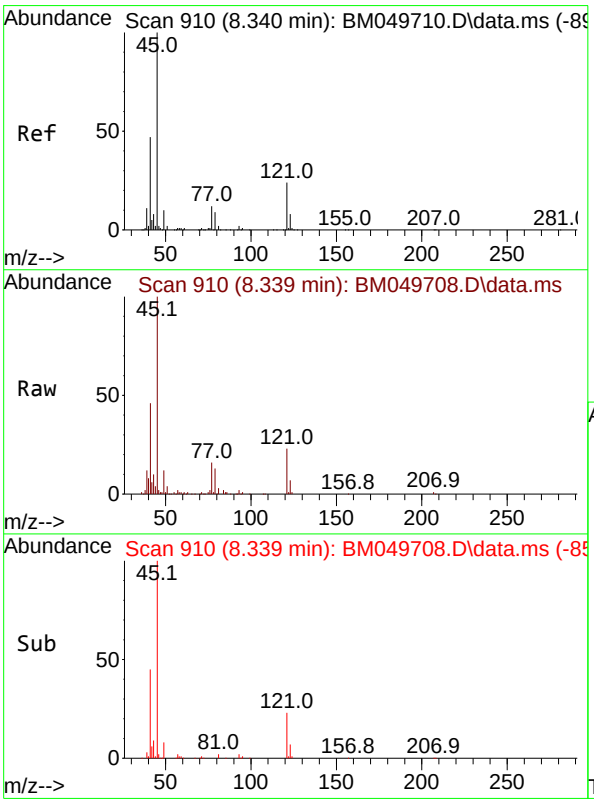
Ion	Ratio	Lower	Upper
79	100		
108	75.1	60.7	91.1
77	68.0	55.4	83.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

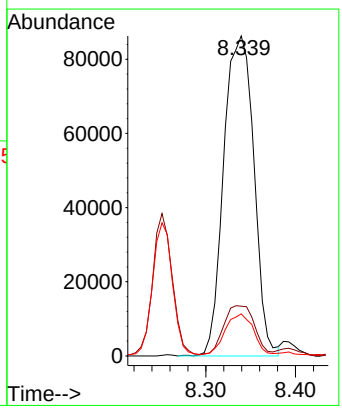
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

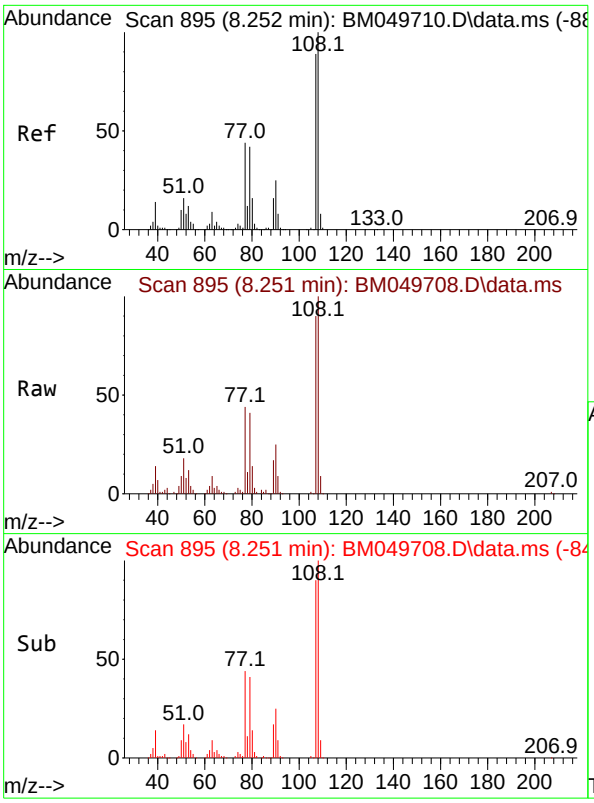


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.012 ng
RT: 8.339 min Scan# 910
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 45 Resp: 201491

Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	36.1
79	13.1	0.0	32.8

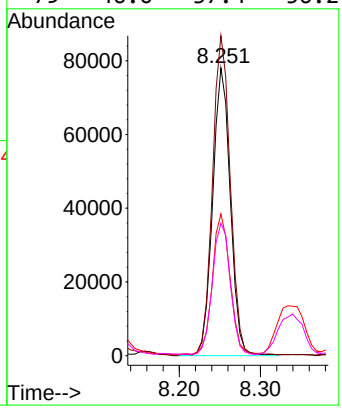




#17
2-Methylphenol
Concen: 9.405 ng
RT: 8.251 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:107 Resp: 11805

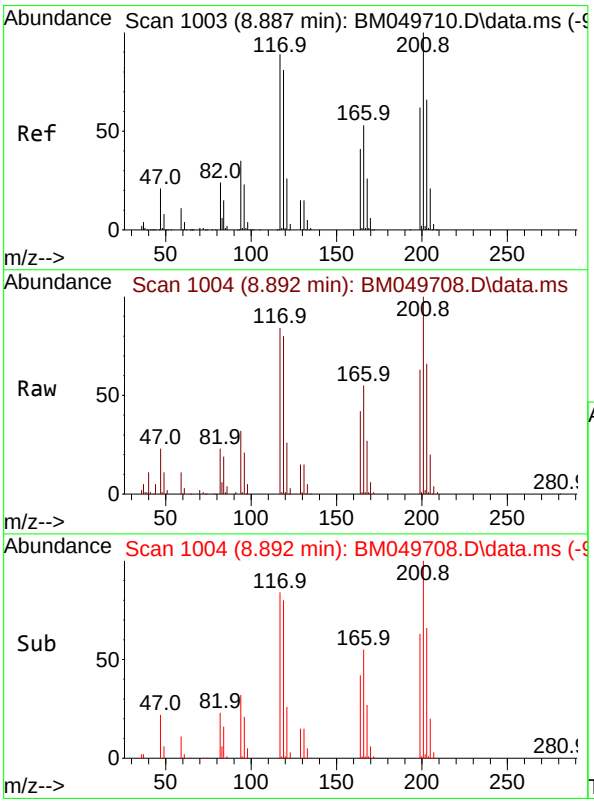
Ion	Ratio	Lower	Upper
107	100		
108	111.2	89.6	134.4
77	49.2	39.8	59.6
79	46.0	37.4	56.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

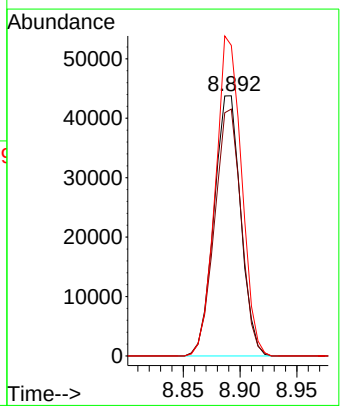
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

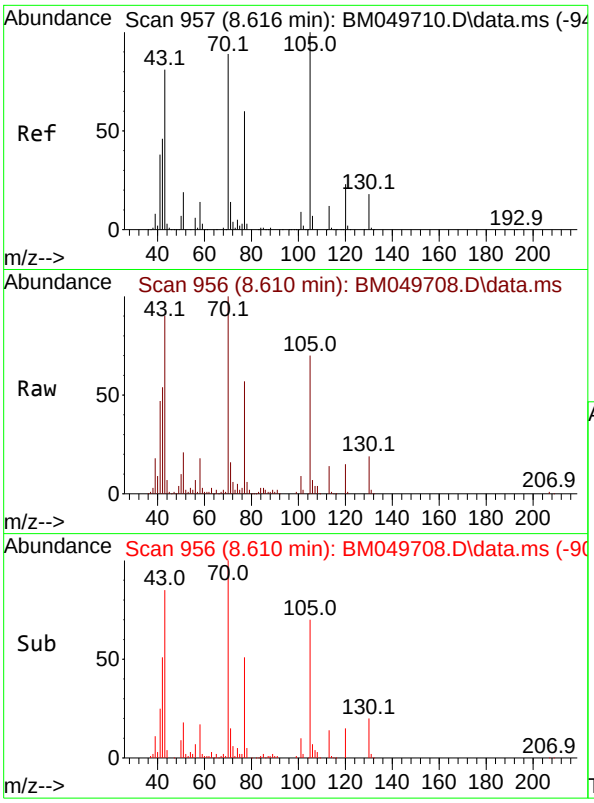


#18
Hexachloroethane
Concen: 9.597 ng
RT: 8.892 min Scan# 1004
Delta R.T. 0.005 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:117 Resp: 71494

Ion	Ratio	Lower	Upper
117	100		
119	94.9	73.1	109.7
201	119.3	90.0	135.0

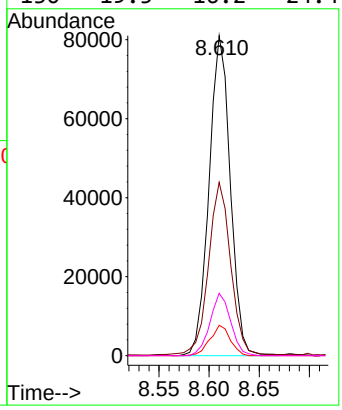




#19
n-Nitroso-di-n-propylamine
Concen: 9.447 ng
RT: 8.610 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 70 Resp: 11945

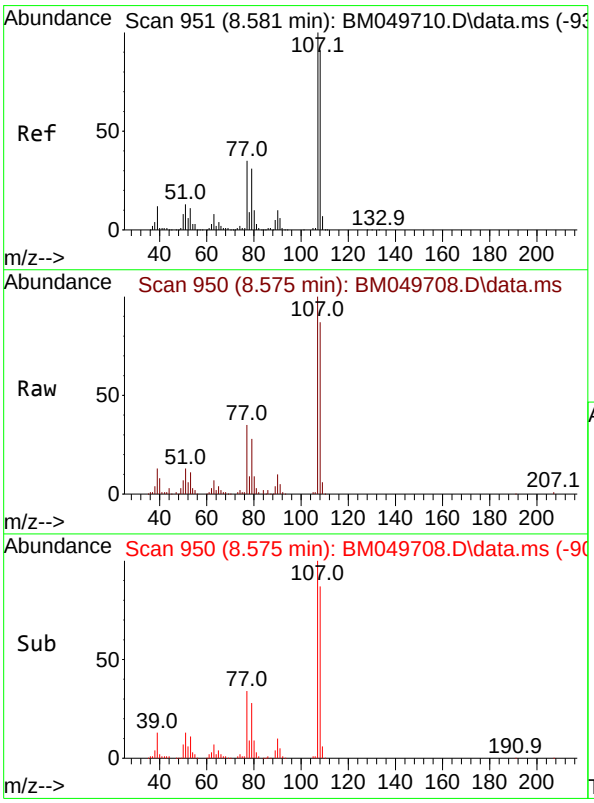
Ion	Ratio	Lower	Upper
70	100		
42	54.1	41.8	62.6
101	9.5	7.7	11.5
130	19.5	16.2	24.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

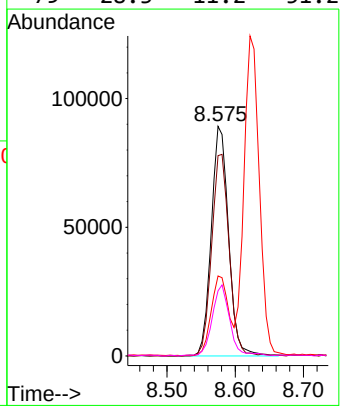
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

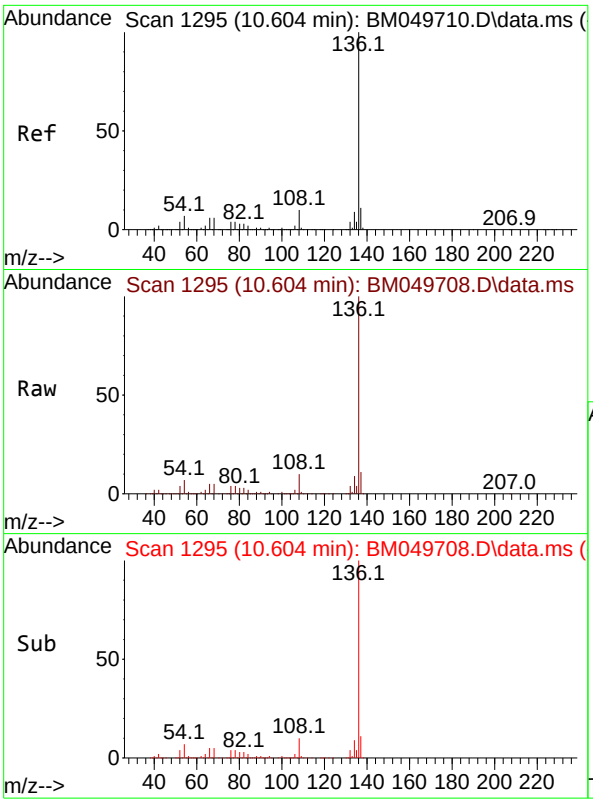


#20
3+4-Methylphenols
Concen: 9.385 ng
RT: 8.575 min Scan# 950
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:107 Resp: 157890

Ion	Ratio	Lower	Upper
107	100		
108	87.2	71.0	111.0
77	34.8	15.1	55.1
79	28.3	11.2	51.2

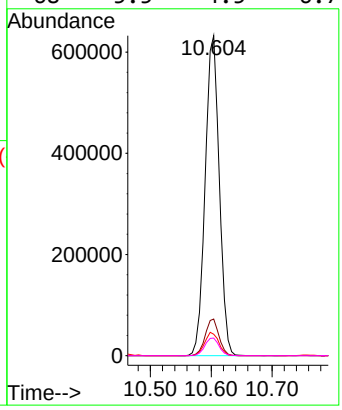




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:136 Resp: 101932

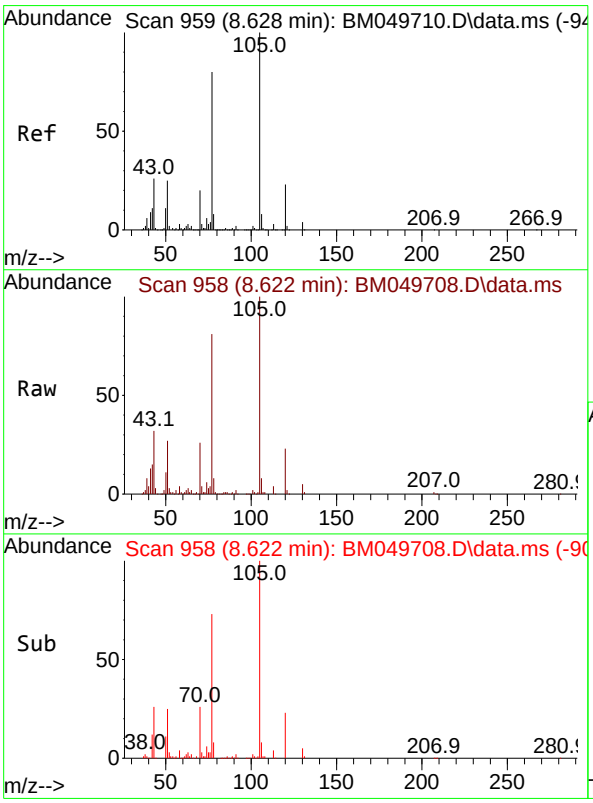
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	12.8
54	6.7	5.8	8.8
68	5.5	4.5	6.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

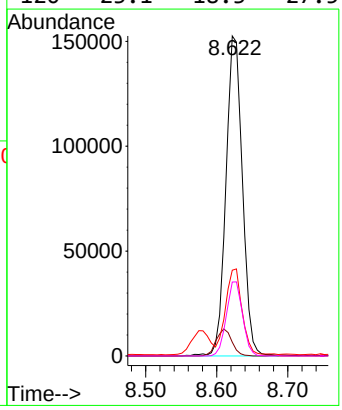
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

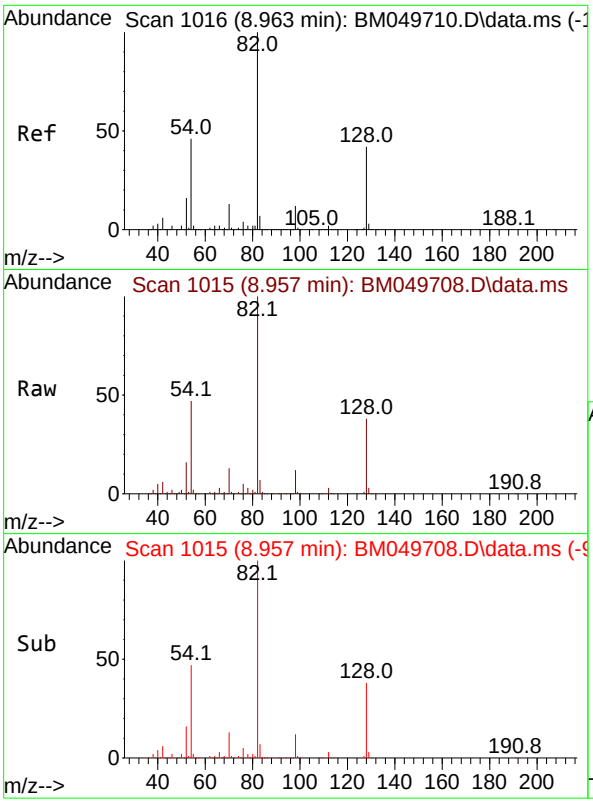


#22
Acetophenone
Concen: 9.369 ng
RT: 8.622 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:105 Resp: 246249

Ion	Ratio	Lower	Upper
105	100		
71	4.3	2.5	3.7#
51	26.8	19.9	29.9
120	23.1	18.3	27.5

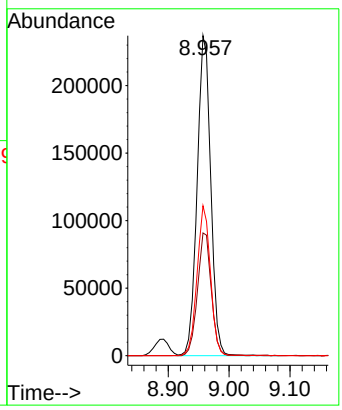




#23
Nitrobenzene-d5
Concen: 18.534 ng
RT: 8.957 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 82 Resp: 36797(

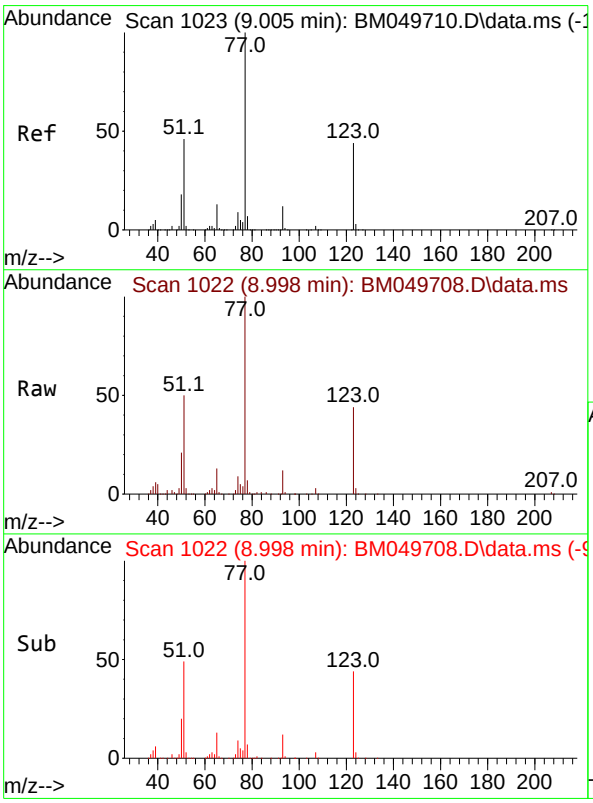
Ion	Ratio	Lower	Upper
82	100		
128	38.4	33.4	50.0
54	46.8	36.4	54.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

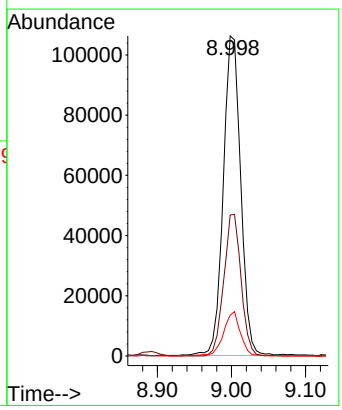
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

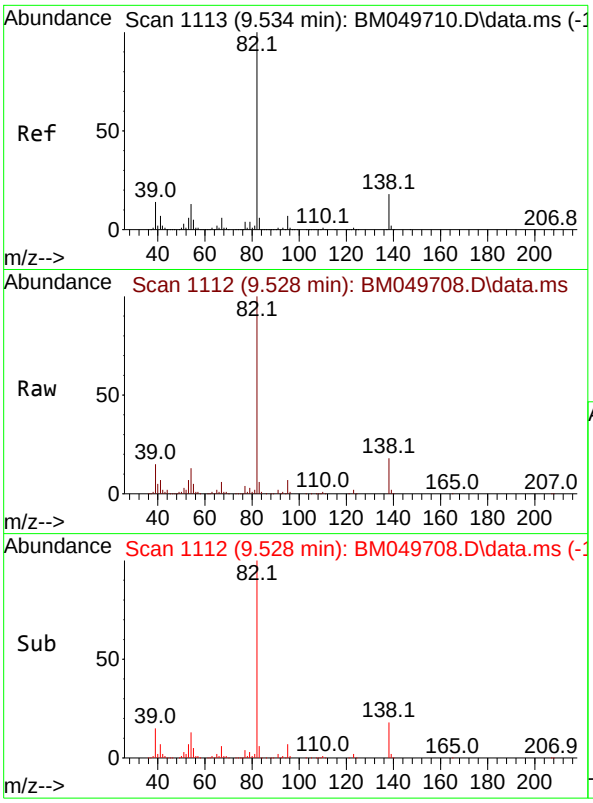


#24
Nitrobenzene
Concen: 9.273 ng
RT: 8.998 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 77 Resp: 173589

Ion	Ratio	Lower	Upper
77	100		
123	44.1	34.9	52.3
65	12.8	10.6	15.8

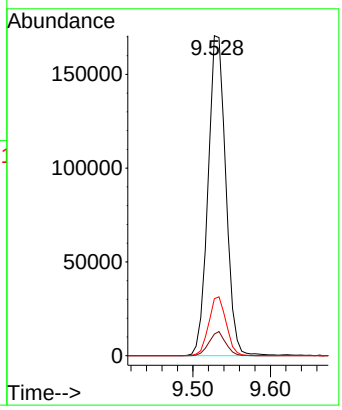




#25
Isophorone
Concen: 8.912 ng
RT: 9.528 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 82 Resp: 271649

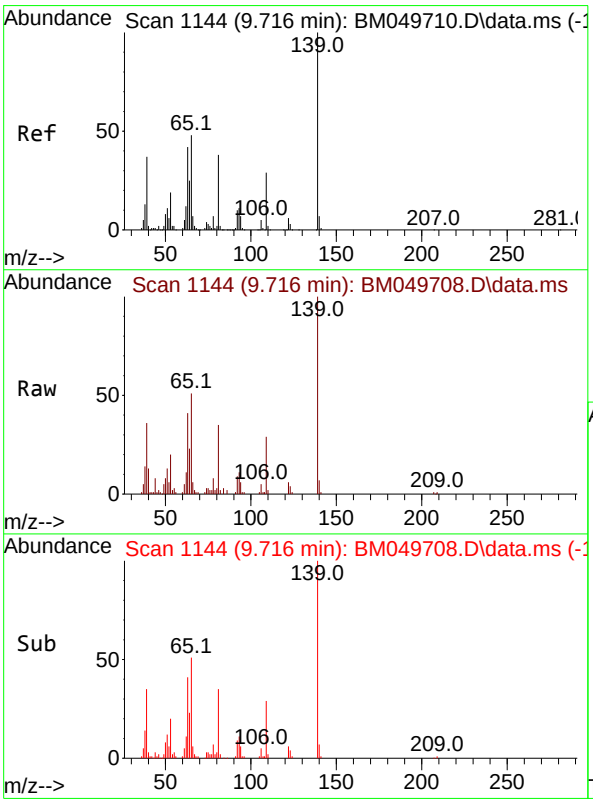
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.3	7.9
138	17.8	14.4	21.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

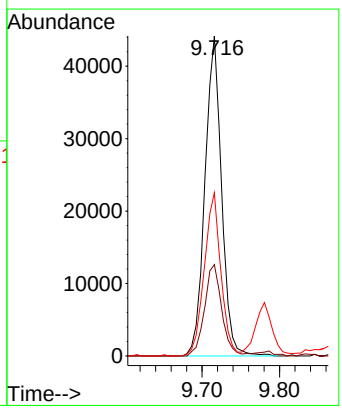
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

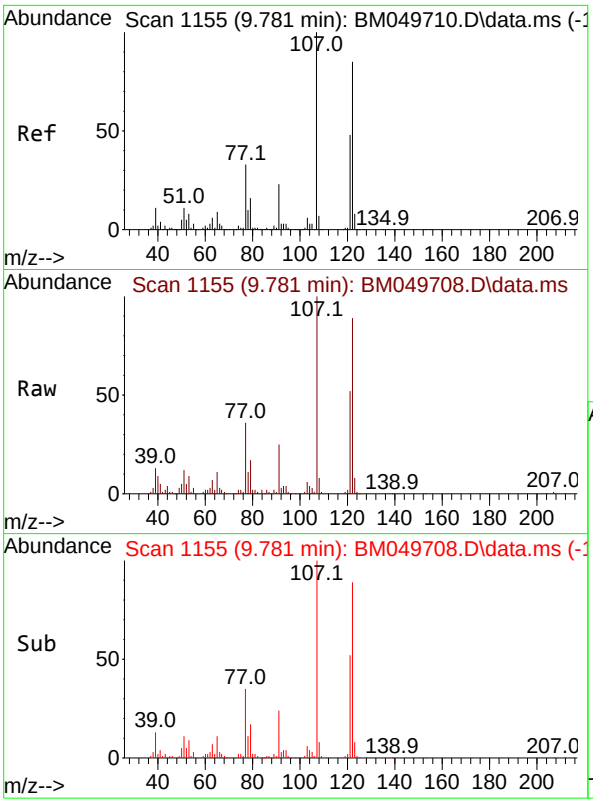


#26
2-Nitrophenol
Concen: 8.260 ng
RT: 9.716 min Scan# 1144
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:139 Resp: 65814

Ion	Ratio	Lower	Upper
139	100		
109	28.5	23.3	34.9
65	51.0	38.6	58.0

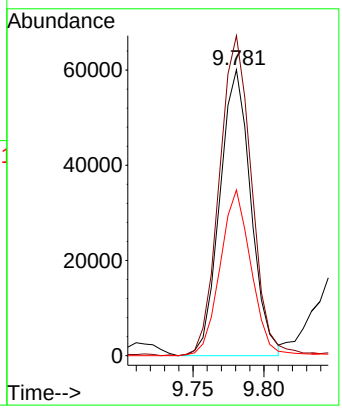




#27
2,4-Dimethylphenol
Concen: 8.997 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:122 Resp: 9125

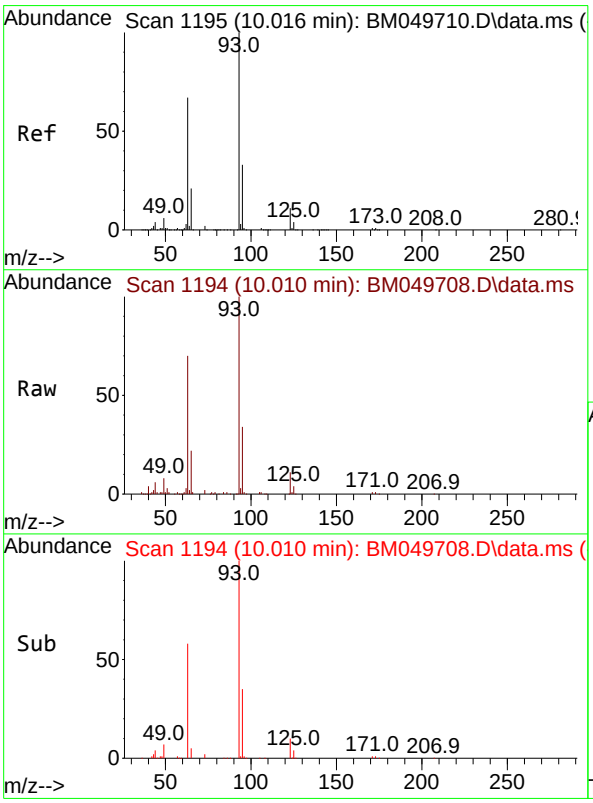
Ion	Ratio	Lower	Upper
122	100		
107	111.9	94.3	141.5
121	58.0	45.4	68.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

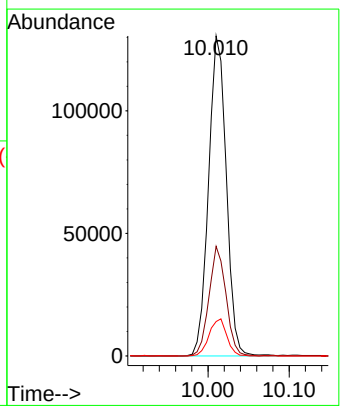
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

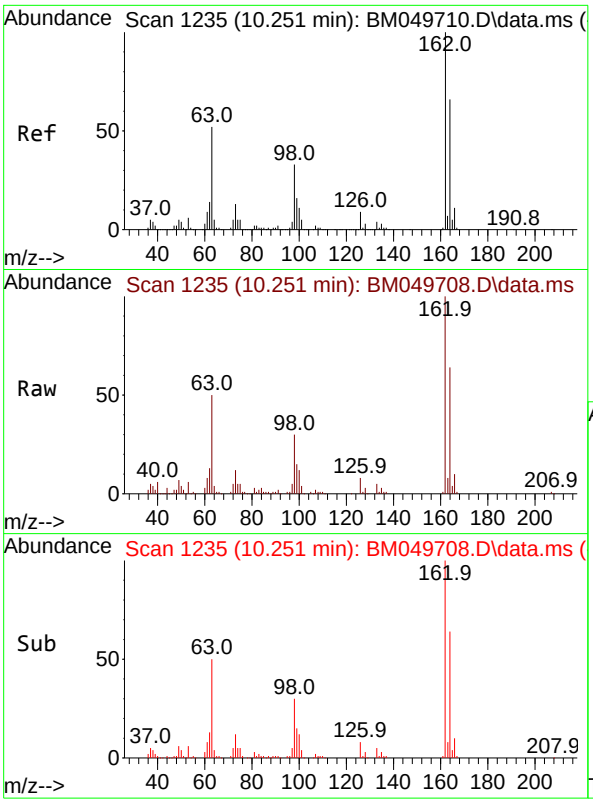


#28
bis(2-Chloroethoxy)methane
Concen: 9.224 ng
RT: 10.010 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 93 Resp: 198036

Ion	Ratio	Lower	Upper
93	100		
95	34.2	26.6	40.0
123	10.8	9.0	13.6

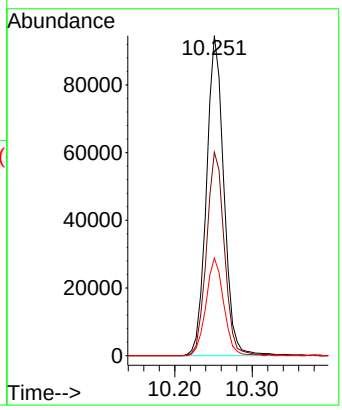




#29
2,4-Dichlorophenol
Concen: 8.915 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:162 Resp: 14733

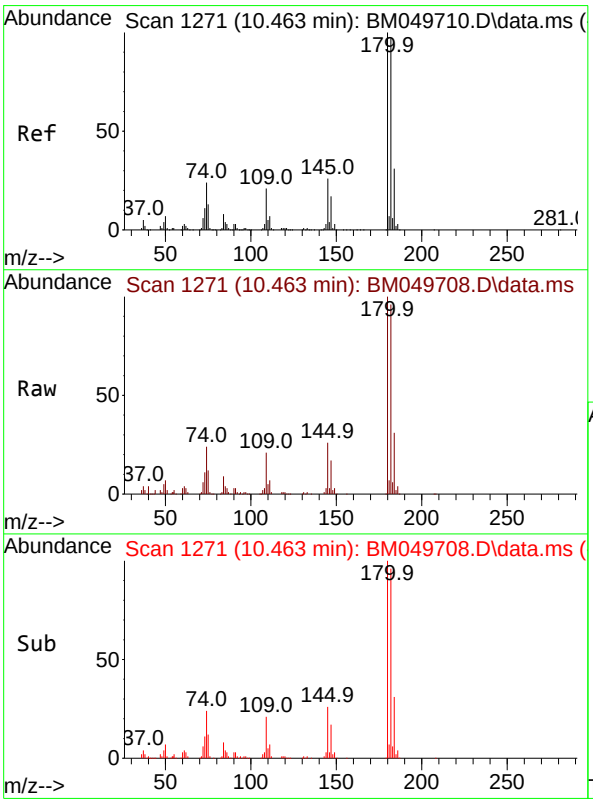
Ion	Ratio	Lower	Upper
162	100		
164	63.6	46.3	86.3
98	30.5	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

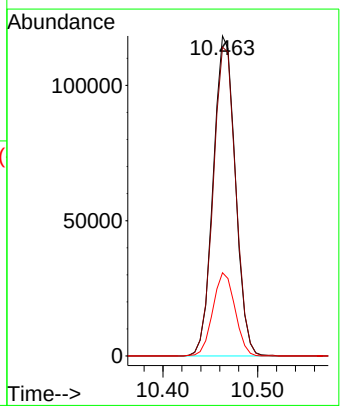
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

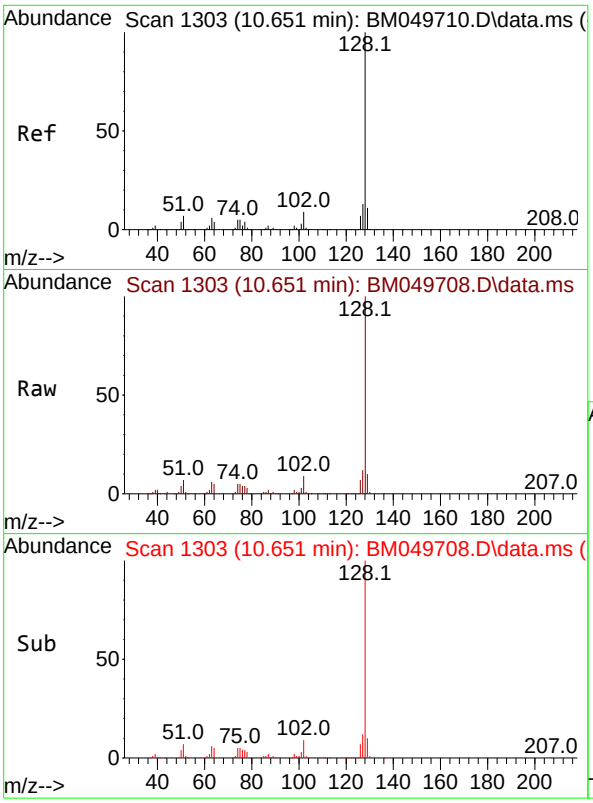


#30
1,2,4-Trichlorobenzene
Concen: 9.274 ng
RT: 10.463 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:180 Resp: 191764

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.7	116.5
145	26.0	21.0	31.4

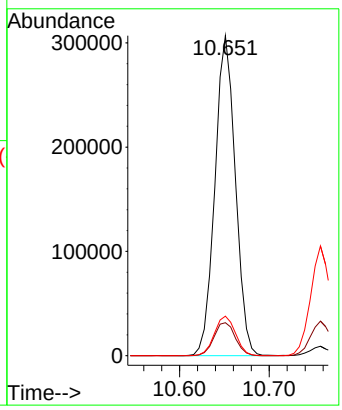




#31
Naphthalene
Concen: 9.260 ng
RT: 10.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:128 Resp: 48537

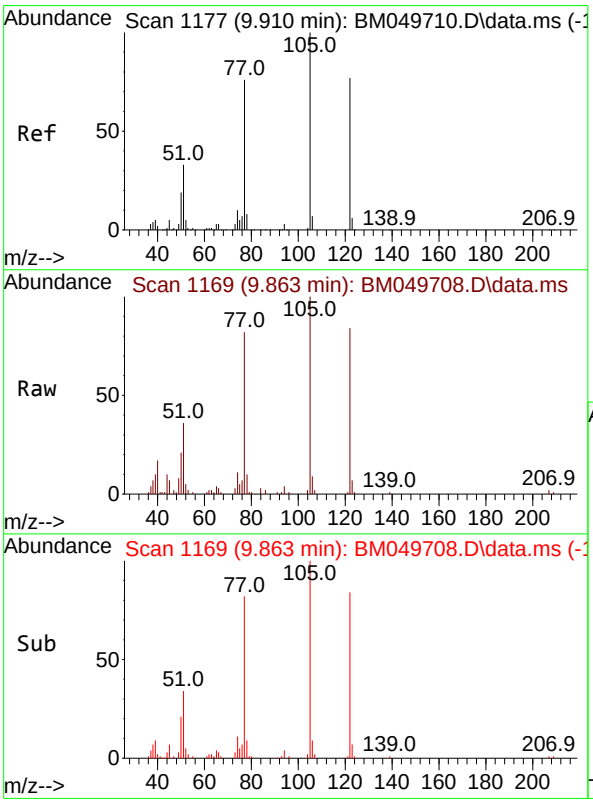
Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.6	13.0
127	12.4	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

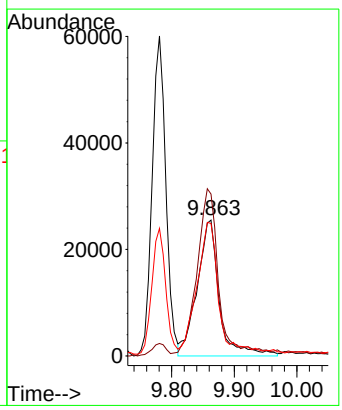
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

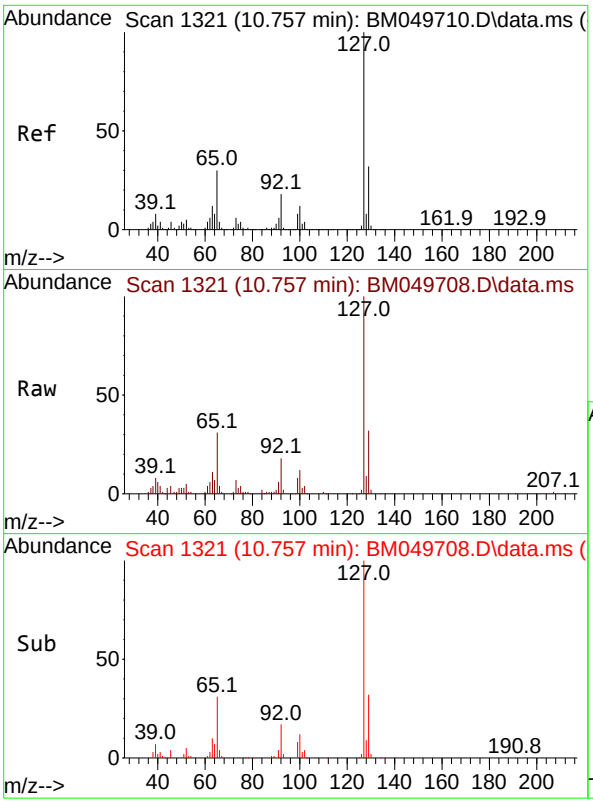


#32
Benzoic acid
Concen: 7.205 ng m
RT: 9.863 min Scan# 1169
Delta R.T. -0.047 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:122 Resp: 62166

Ion	Ratio	Lower	Upper
122	100		
105	119.3	105.6	145.6
77	97.6	76.9	116.9

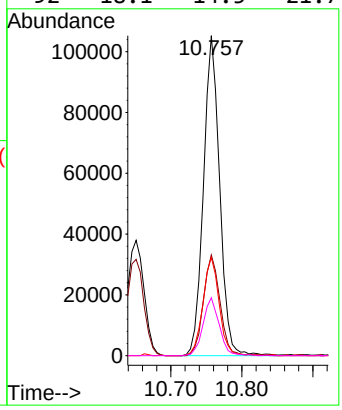




#33
4-Chloroaniline
Concen: 9.364 ng
RT: 10.757 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:127 Resp: 16749

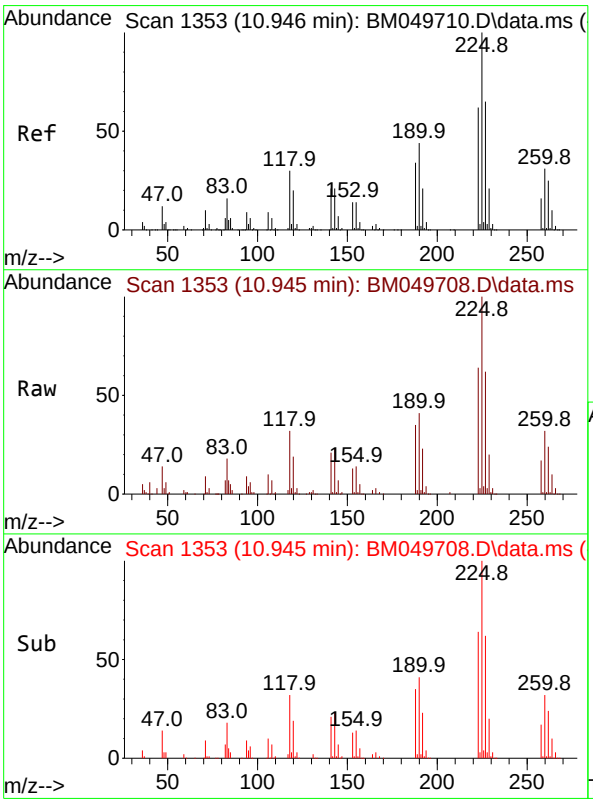
Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.7	38.5
65	30.7	24.1	36.1
92	18.1	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

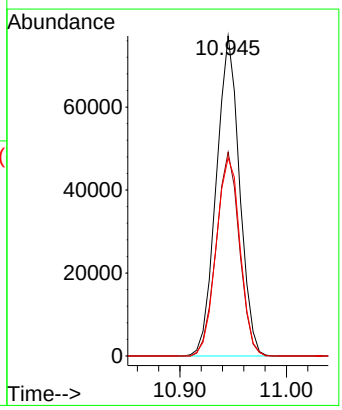
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

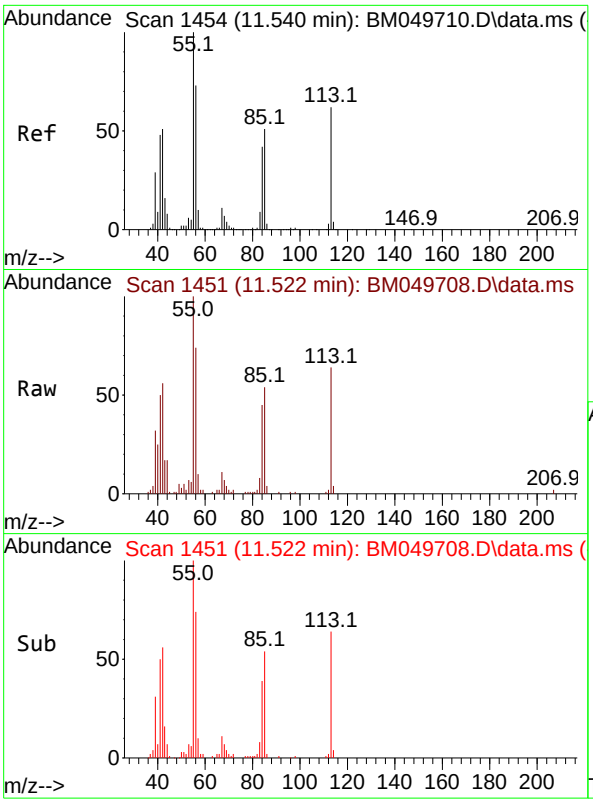


#34
Hexachlorobutadiene
Concen: 9.127 ng
RT: 10.945 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:225 Resp: 116499

Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.8	74.8
227	61.9	52.1	78.1

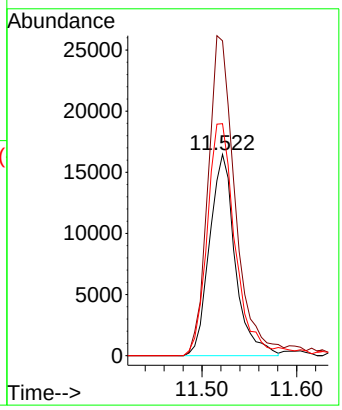




#35
Caprolactam
Concen: 8.076 ng
RT: 11.522 min Scan# 14
Delta R.T. -0.018 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:113 Resp: 3098

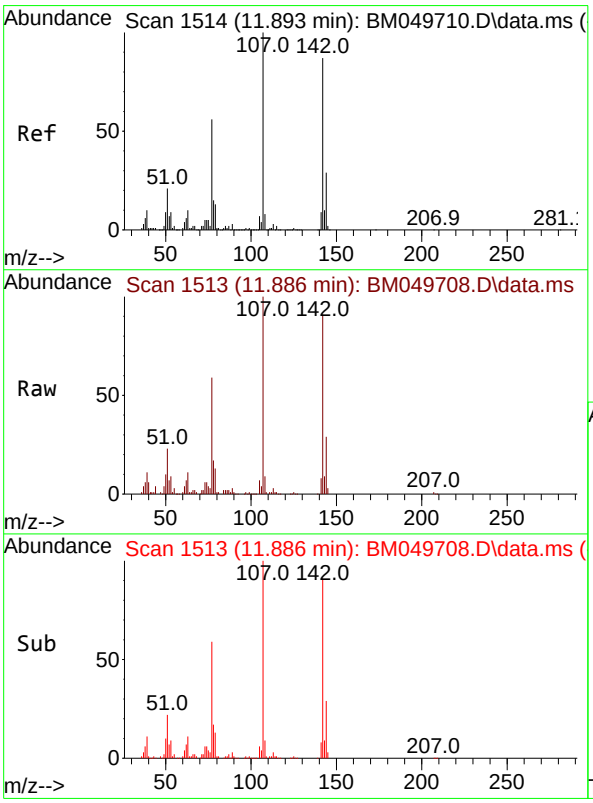
Ion	Ratio	Lower	Upper
113	100		
55	156.4	141.8	181.8
56	115.3	98.0	138.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

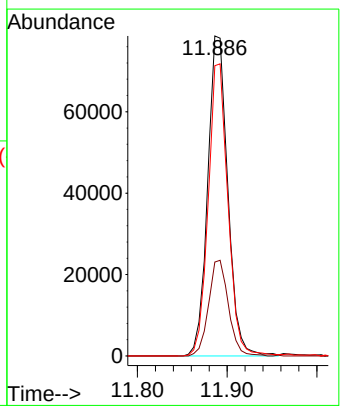
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

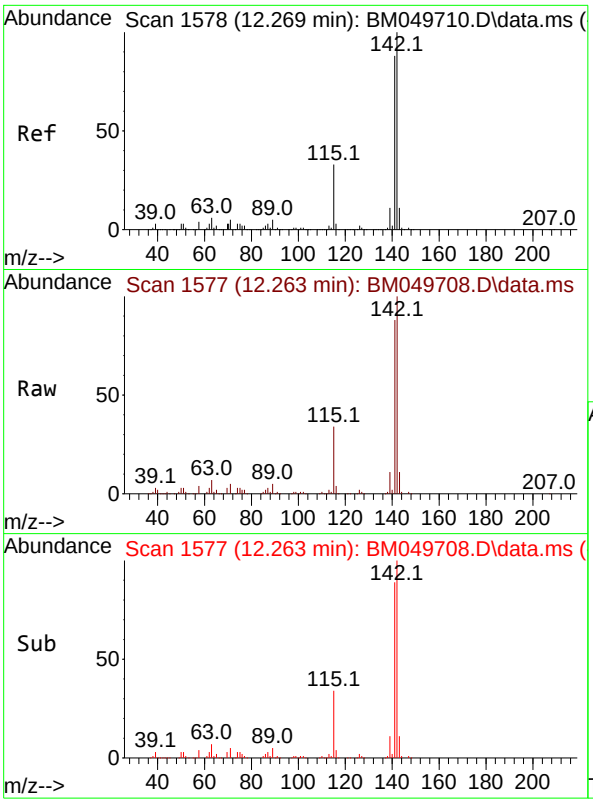


#36
4-Chloro-3-methylphenol
Concen: 8.624 ng
RT: 11.886 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:107 Resp: 122307

Ion	Ratio	Lower	Upper
107	100		
144	29.4	23.0	34.6
142	90.7	69.8	104.8

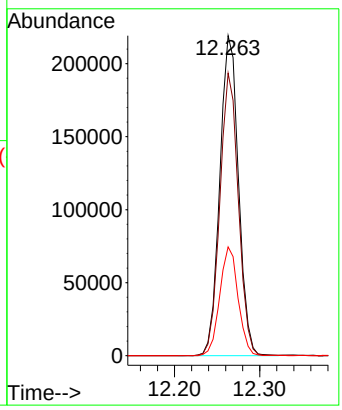




#37
2-Methylnaphthalene
Concen: 9.122 ng
RT: 12.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:142 Resp: 33433

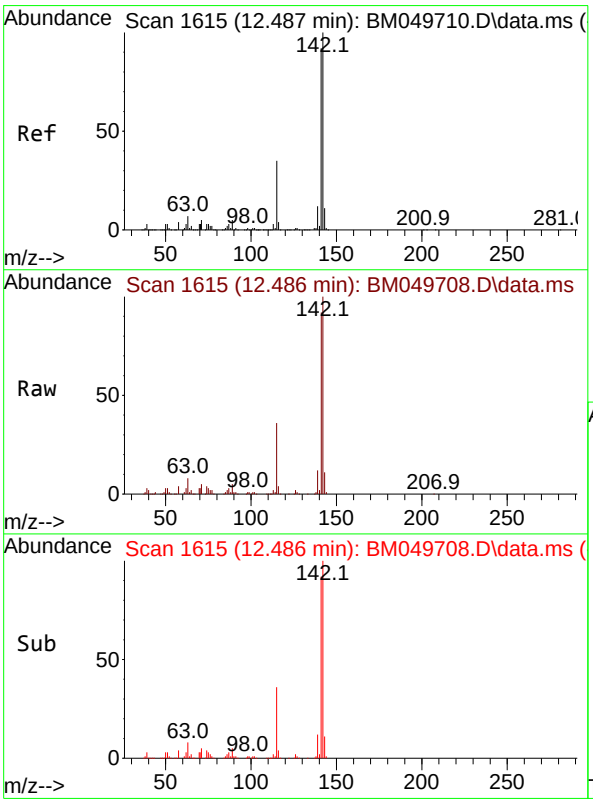
Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.5	105.7
115	34.0	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

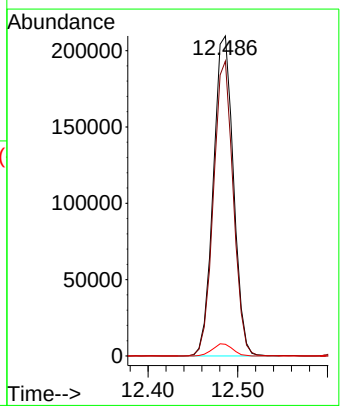
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

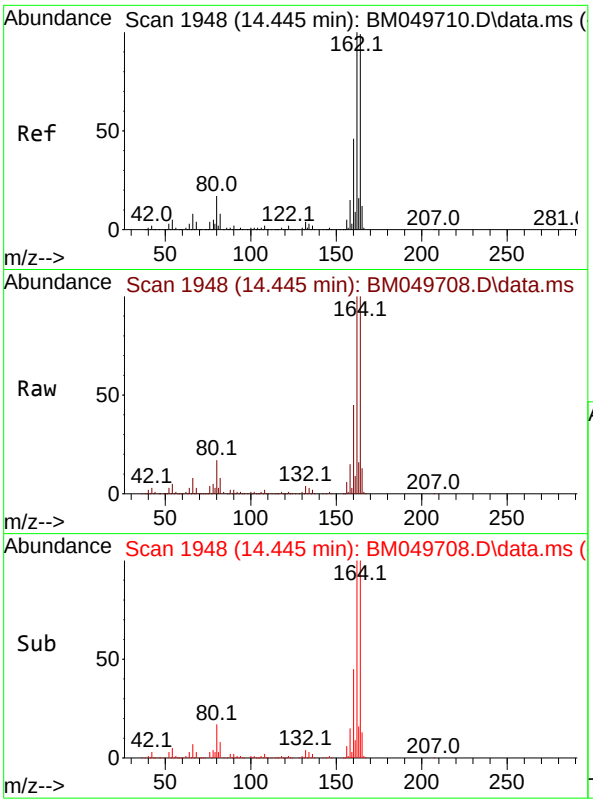


#38
1-Methylnaphthalene
Concen: 9.230 ng
RT: 12.486 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:142 Resp: 326369

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.4	110.2
116	3.6	2.8	4.2

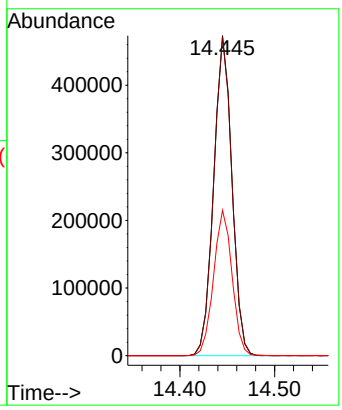




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:164 Resp: 63385

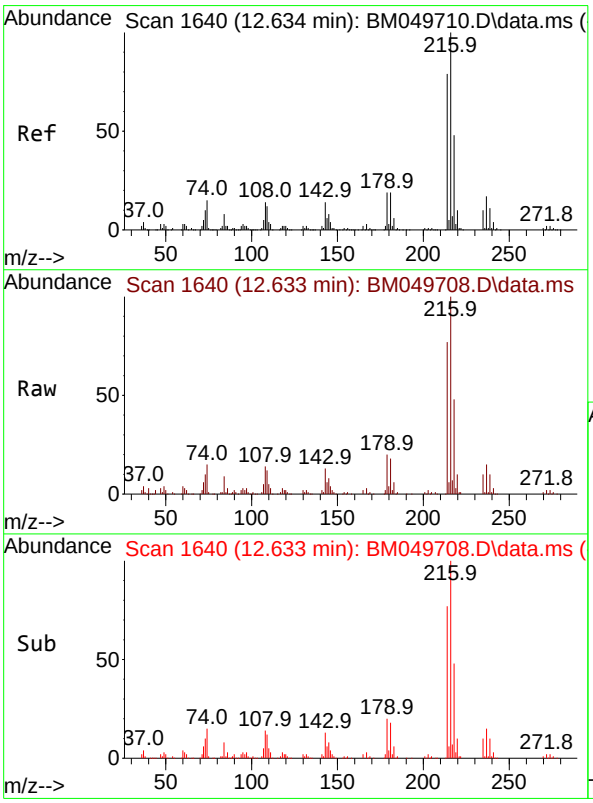
Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.5	120.7
160	45.4	36.9	55.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

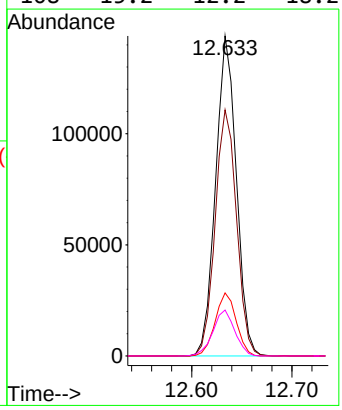
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

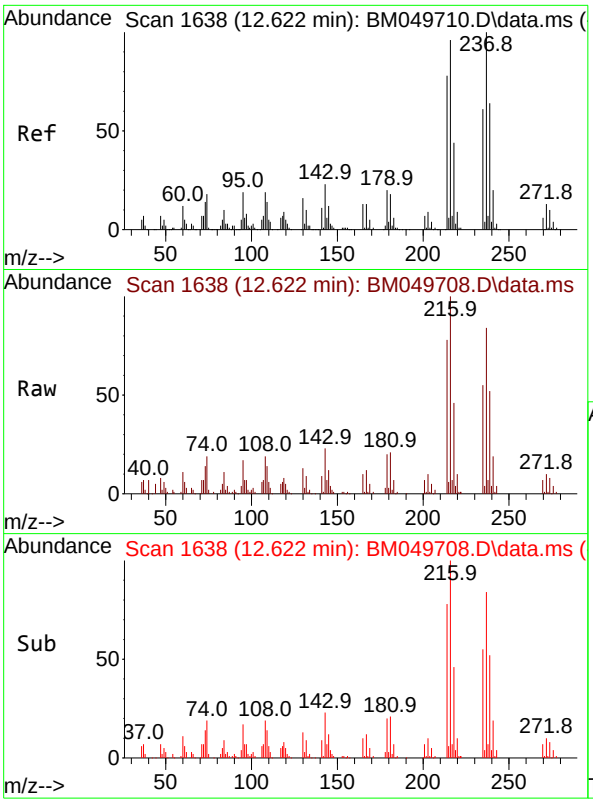


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.882 ng
RT: 12.633 min Scan# 1640
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:216 Resp: 206804

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.5	95.3
179	20.0	15.7	23.5
108	15.2	12.2	18.2

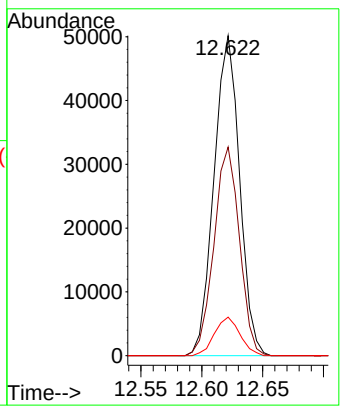




#41
Hexachlorocyclopentadiene
Concen: 8.512 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:237 Resp: 7341

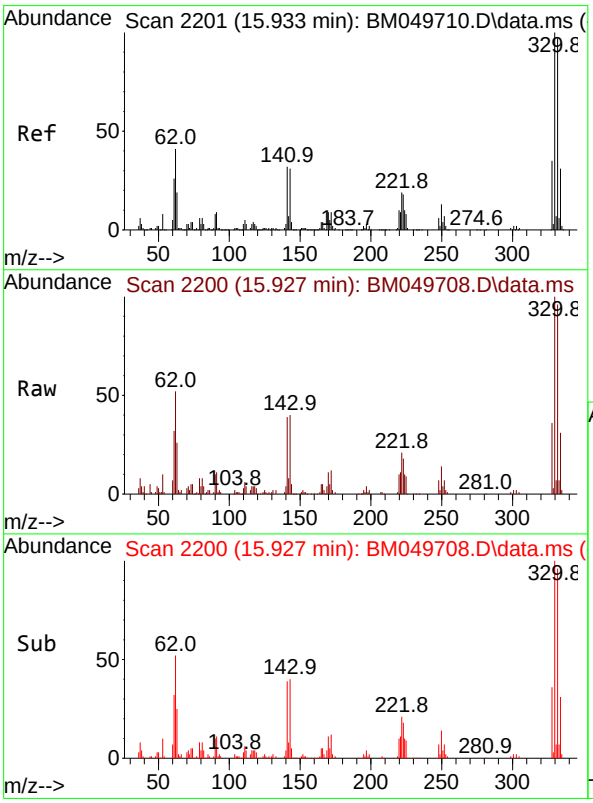
Ion	Ratio	Lower	Upper
237	100		
235	65.2	41.1	81.1
272	12.0	0.0	32.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

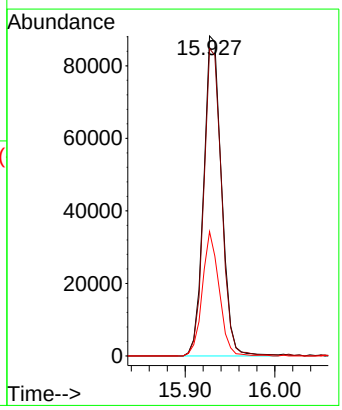
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

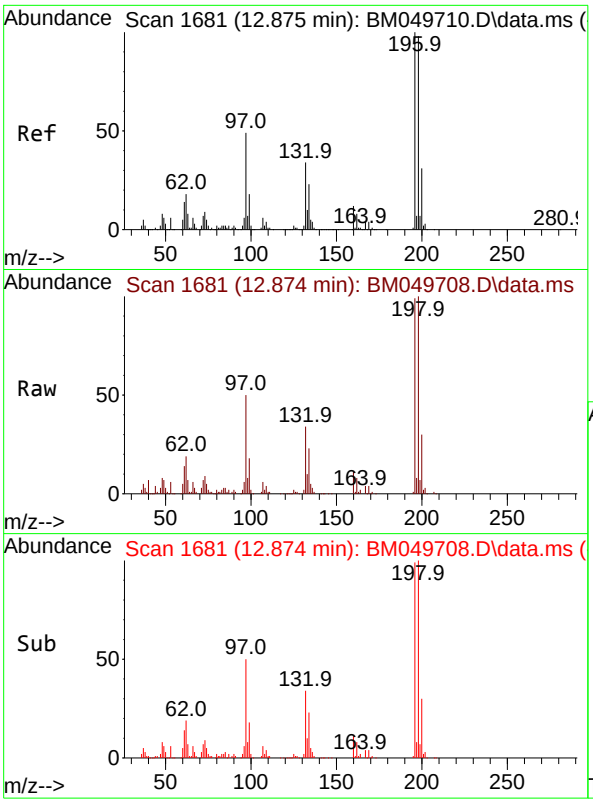


#42
2,4,6-Tribromophenol
Concen: 16.510 ng
RT: 15.927 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:330 Resp: 122197

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.4
141	36.5	27.8	41.6

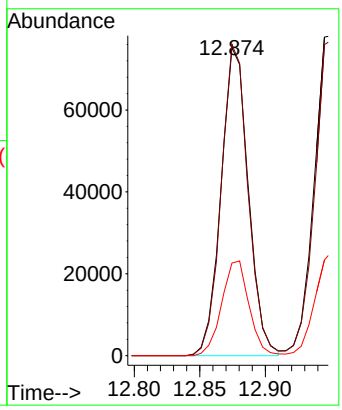




#43
2,4,6-Trichlorophenol
Concen: 8.368 ng
RT: 12.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:196 Resp: 10911

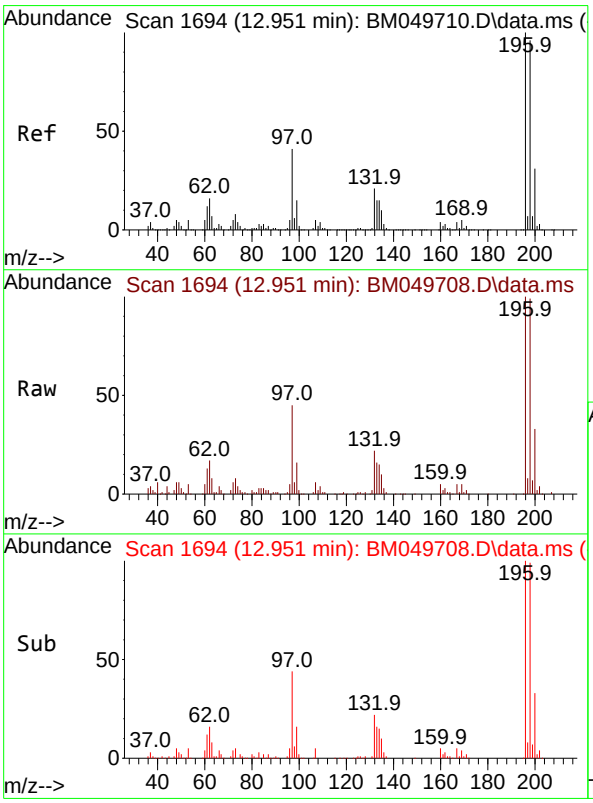
Ion	Ratio	Lower	Upper
196	100		
198	101.1	78.3	117.5
200	30.1	25.1	37.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

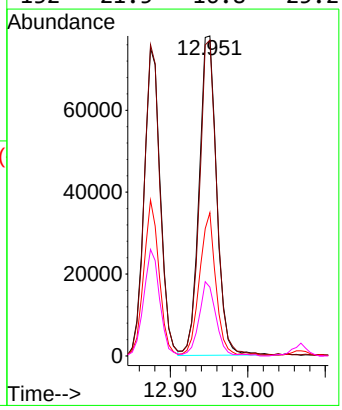
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

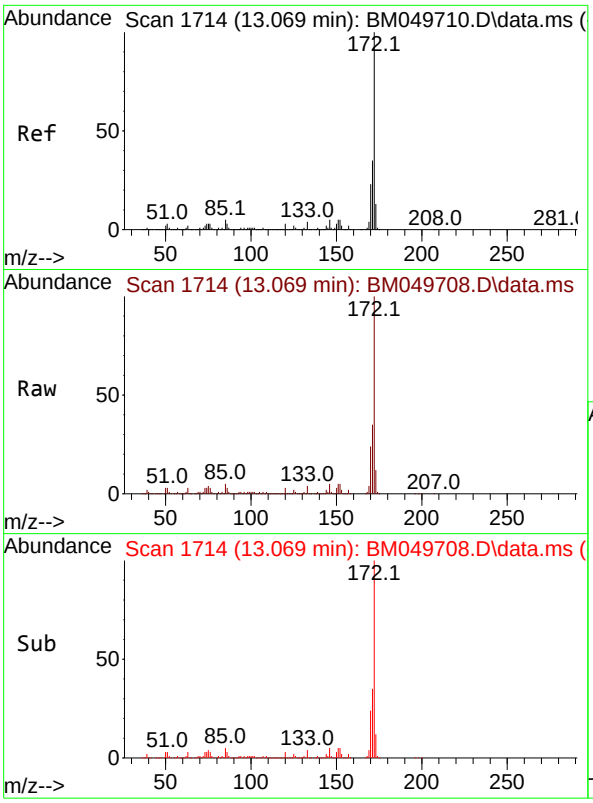


#44
2,4,5-Trichlorophenol
Concen: 8.585 ng
RT: 12.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:196 Resp: 122162

Ion	Ratio	Lower	Upper
196	100		
198	98.7	76.7	115.1
97	44.8	32.9	49.3
132	21.5	16.8	25.2

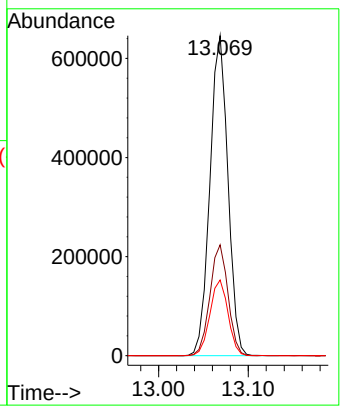




#45
2-Fluorobiphenyl
Concen: 17.773 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:172 Resp: 89955

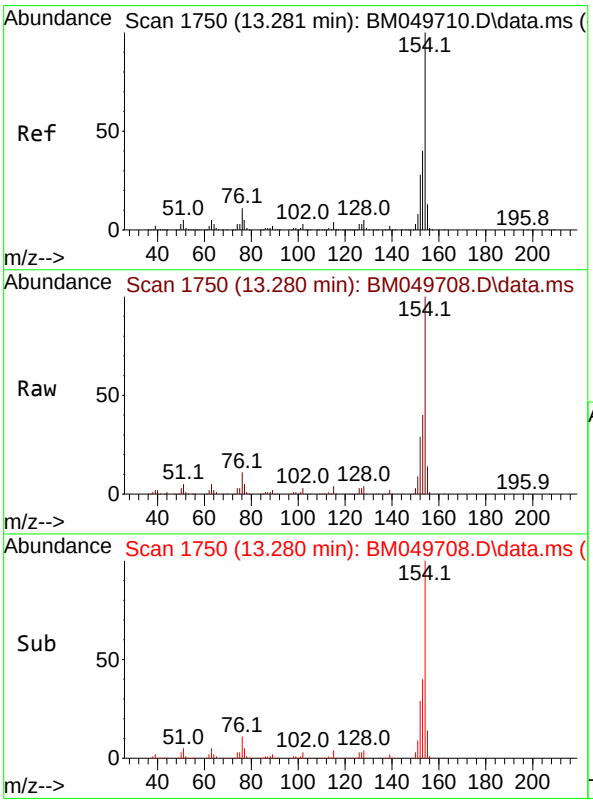
Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.9	41.9
170	23.6	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

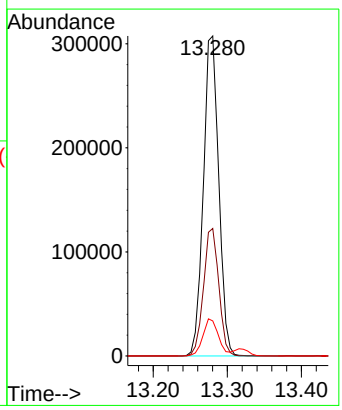
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

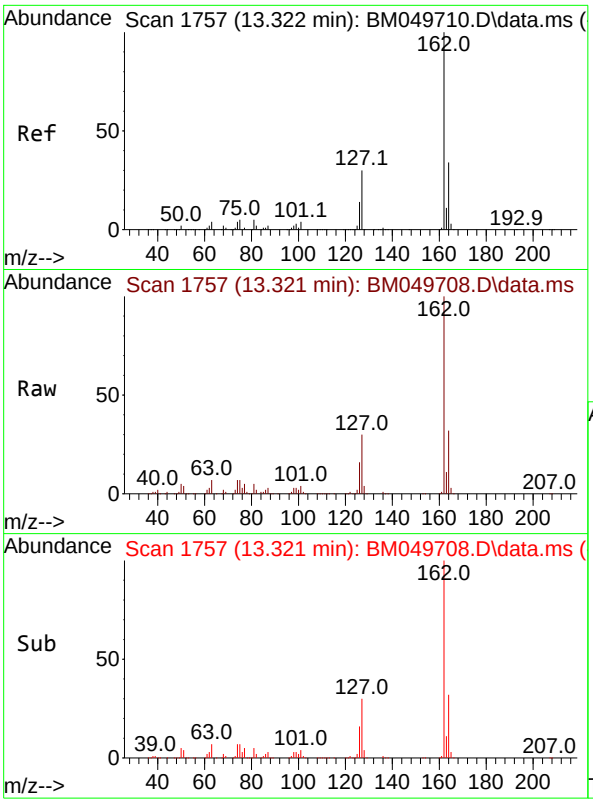


#46
1,1'-Biphenyl
Concen: 9.078 ng
RT: 13.280 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:154 Resp: 443501

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.7	59.7
76	10.9	0.0	31.2

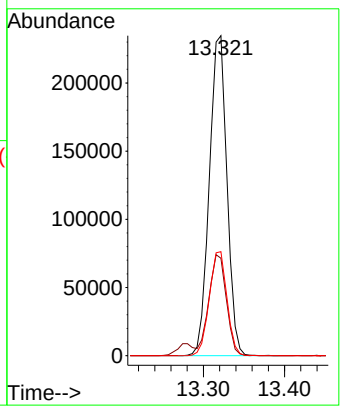




#47
2-Chloronaphthalene
Concen: 9.294 ng
RT: 13.321 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:162 Resp: 35340

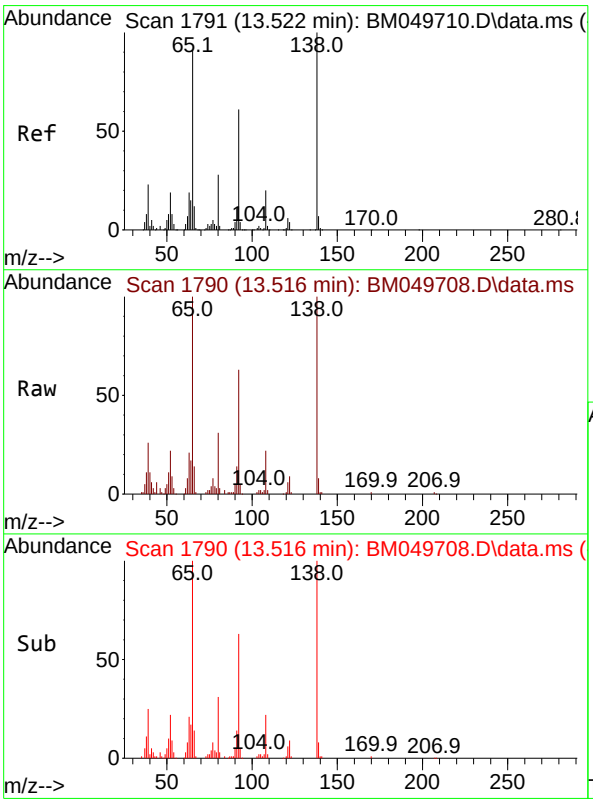
Ion	Ratio	Lower	Upper
162	100		
127	30.5	25.8	38.6
164	32.5	27.1	40.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

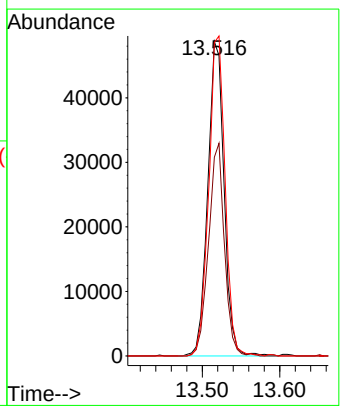
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

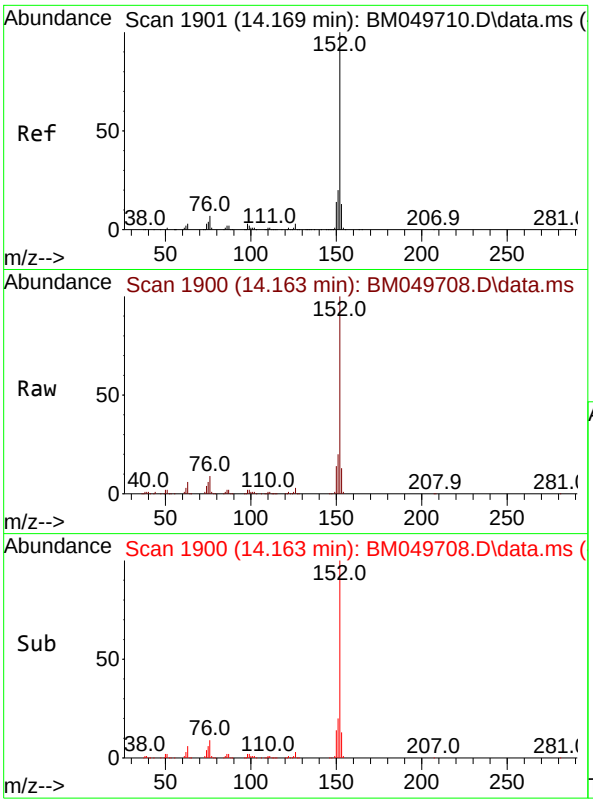


#48
2-Nitroaniline
Concen: 8.352 ng
RT: 13.516 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 65 Resp: 71291

Ion	Ratio	Lower	Upper
65	100		
92	63.2	53.4	80.2
138	99.6	87.6	131.4

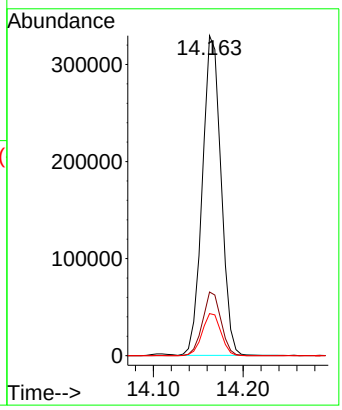




#49
Acenaphthylene
Concen: 8.955 ng
RT: 14.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:152 Resp: 47598

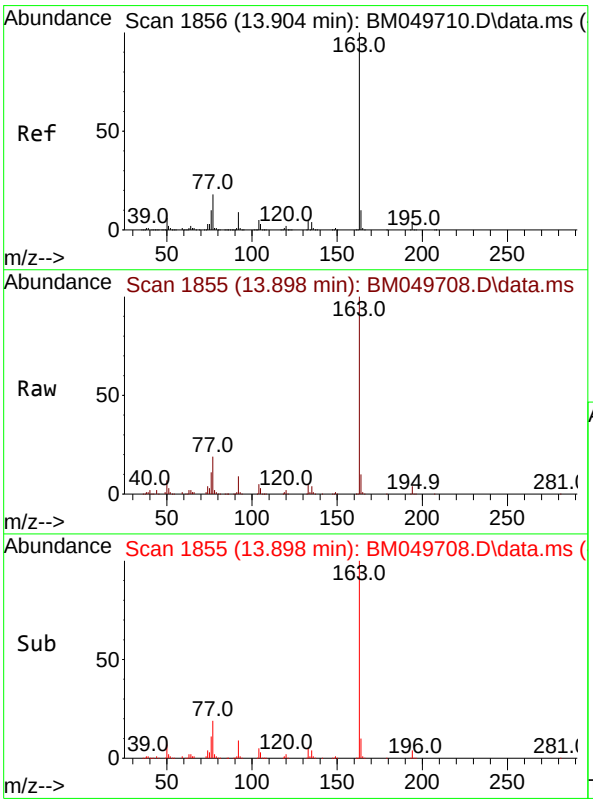
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.2	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

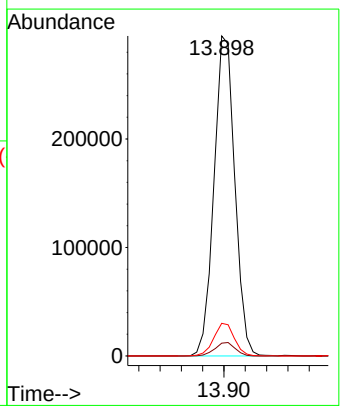
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

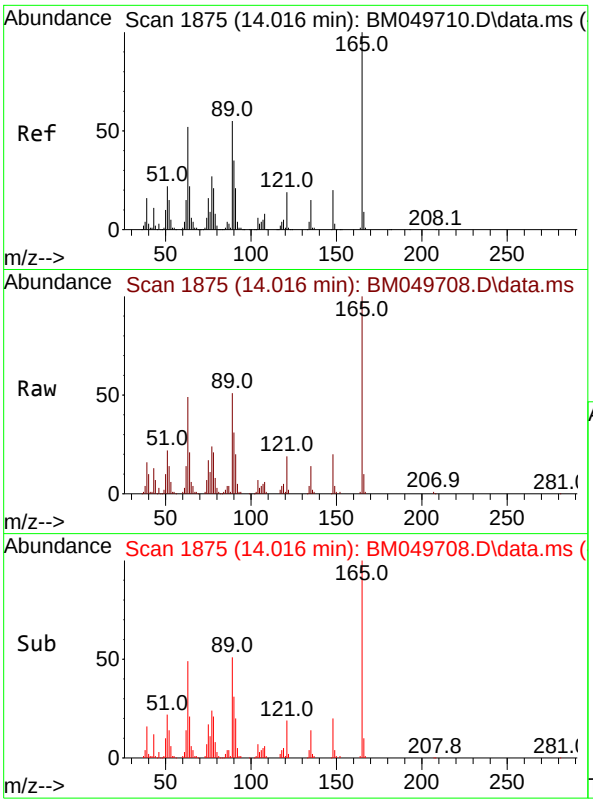


#50
Dimethylphthalate
Concen: 9.164 ng
RT: 13.898 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:163 Resp: 399925

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.2	8.2	12.2

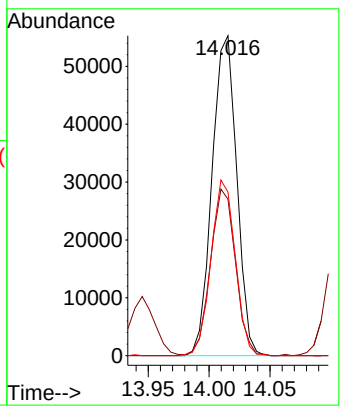




#51
2,6-Dinitrotoluene
Concen: 8.924 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:165 Resp: 7803

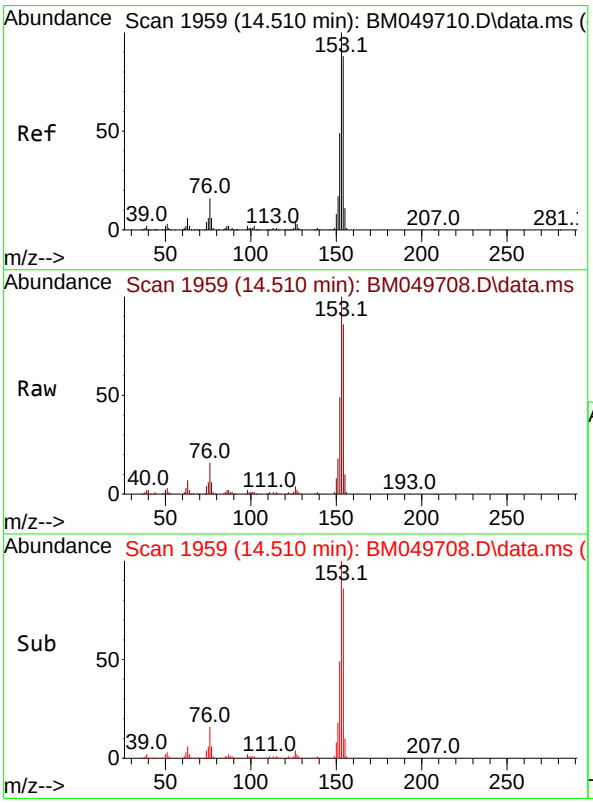
Ion	Ratio	Lower	Upper
165	100		
63	48.9	42.3	63.5
89	51.1	43.9	65.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

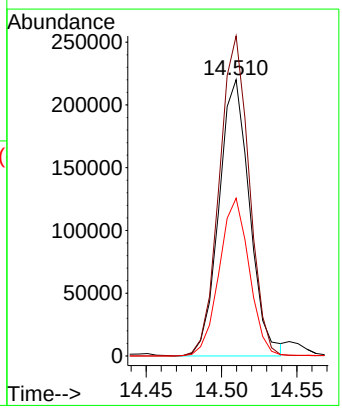
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

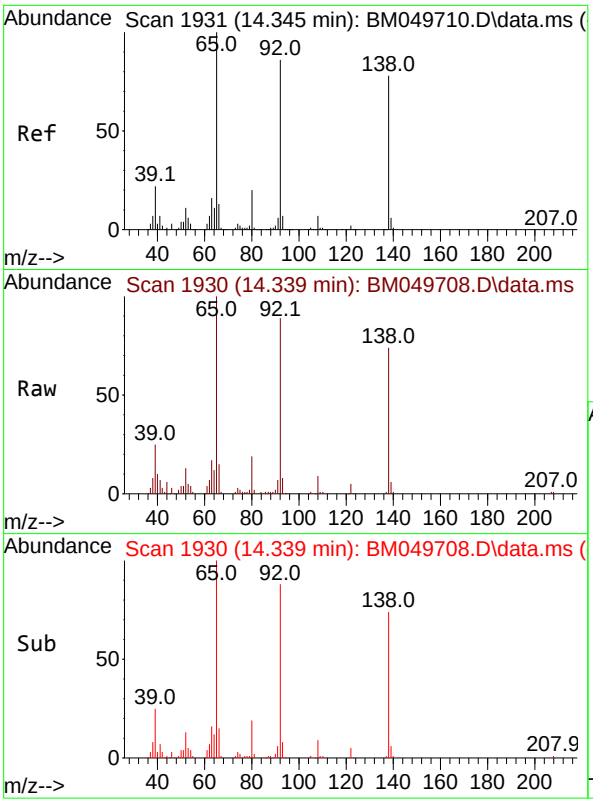


#52
Acenaphthene
Concen: 8.966 ng m
RT: 14.510 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:154 Resp: 312188

Ion	Ratio	Lower	Upper
154	100		
153	115.8	90.4	135.6
152	57.1	44.2	66.2





#53
3-Nitroaniline
Concen: 8.437 ng
RT: 14.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

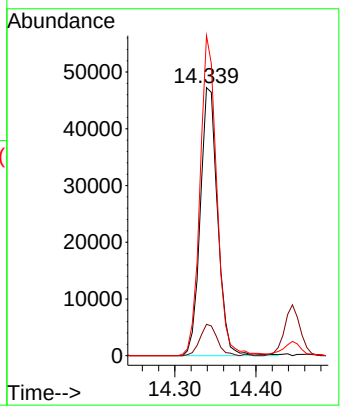
Tgt Ion:138 Resp: 7020

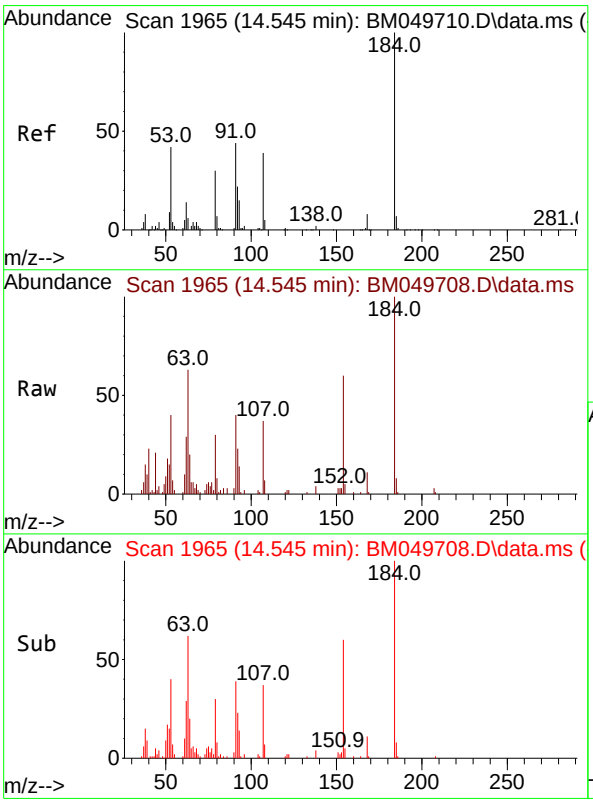
Ion	Ratio	Lower	Upper
138	100		
108	11.7	7.5	11.3#
92	119.4	88.0	132.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

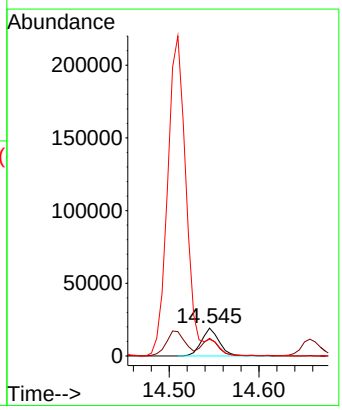


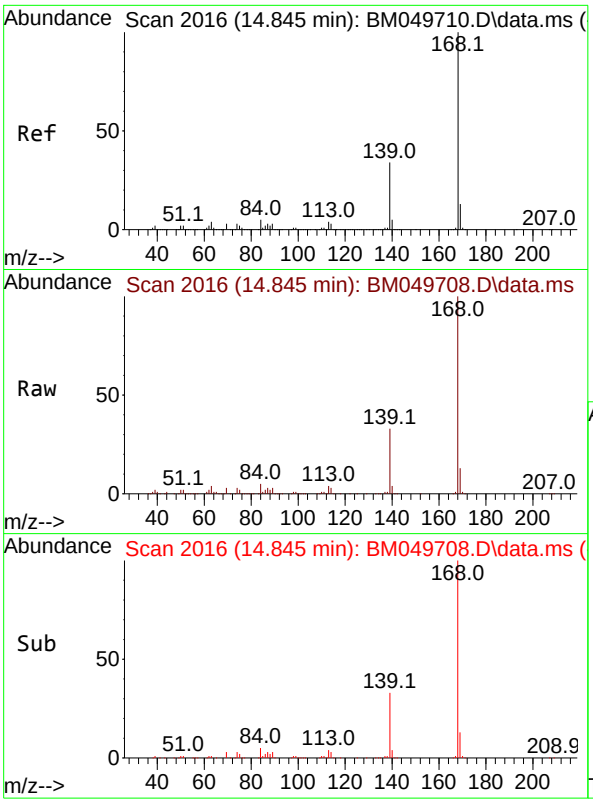


#54
2,4-Dinitrophenol
Concen: 10.075 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:184 Resp: 26403

Ion	Ratio	Lower	Upper
184	100		
63	63.3	47.2	70.8
154	59.5	49.9	74.9

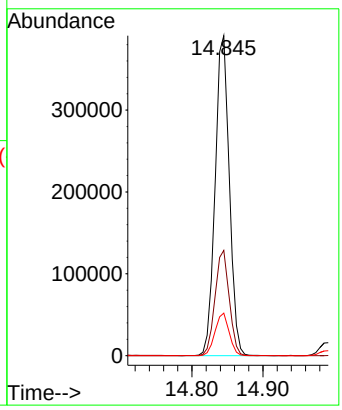




#55
Dibenzofuran
Concen: 9.304 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:168 Resp: 54049

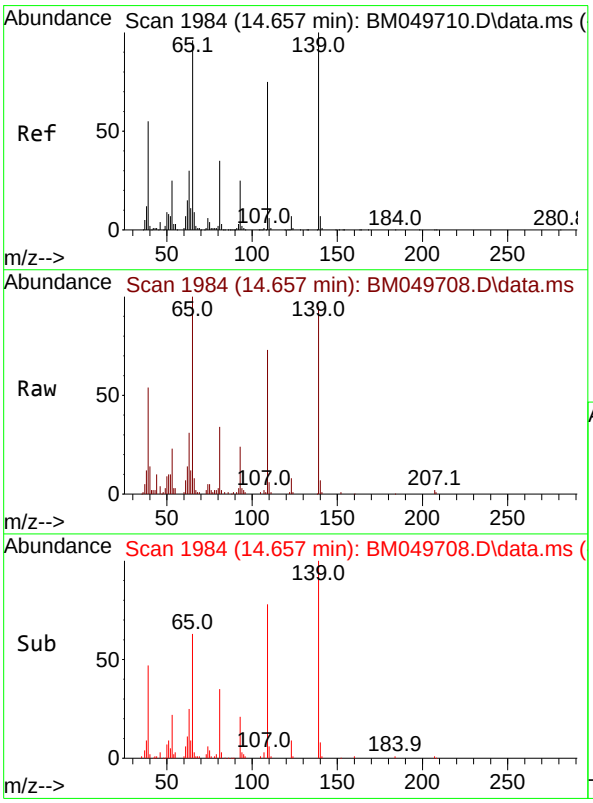
Ion	Ratio	Lower	Upper
168	100		
139	32.9	27.4	41.0
169	13.3	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

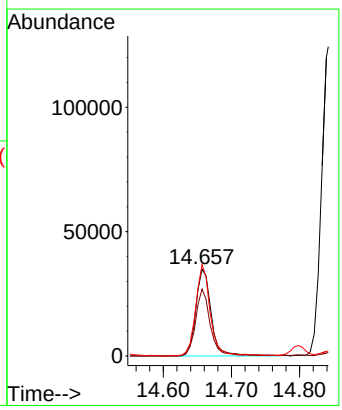
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

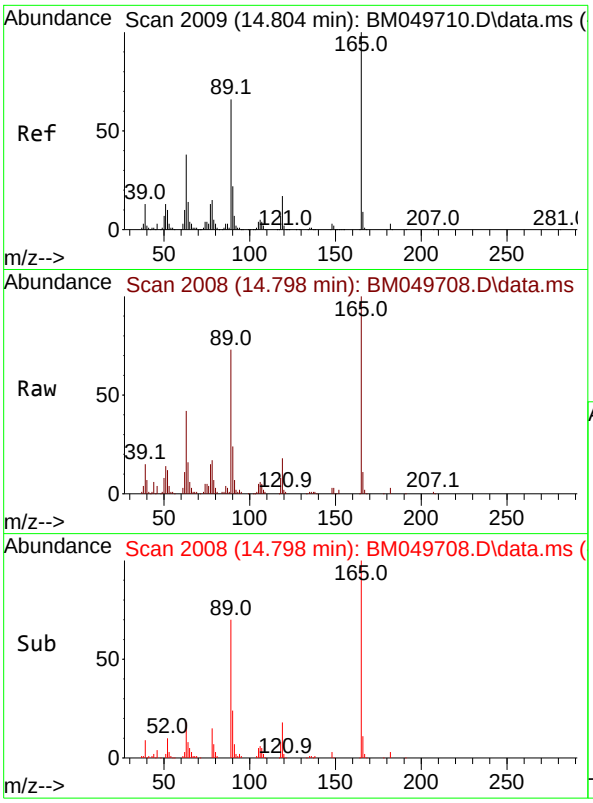


#56
4-Nitrophenol
Concen: 7.522 ng
RT: 14.657 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:139 Resp: 54482

Ion	Ratio	Lower	Upper
139	100		
109	77.1	54.7	94.7
65	105.3	76.2	116.2

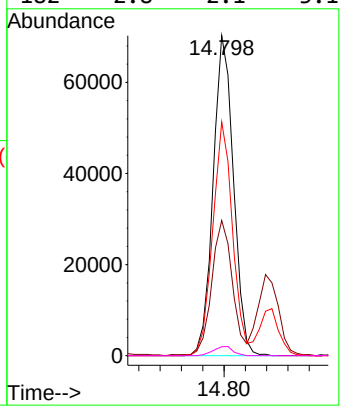




#57
2,4-Dinitrotoluene
Concen: 8.273 ng
RT: 14.798 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:165 Resp: 9308

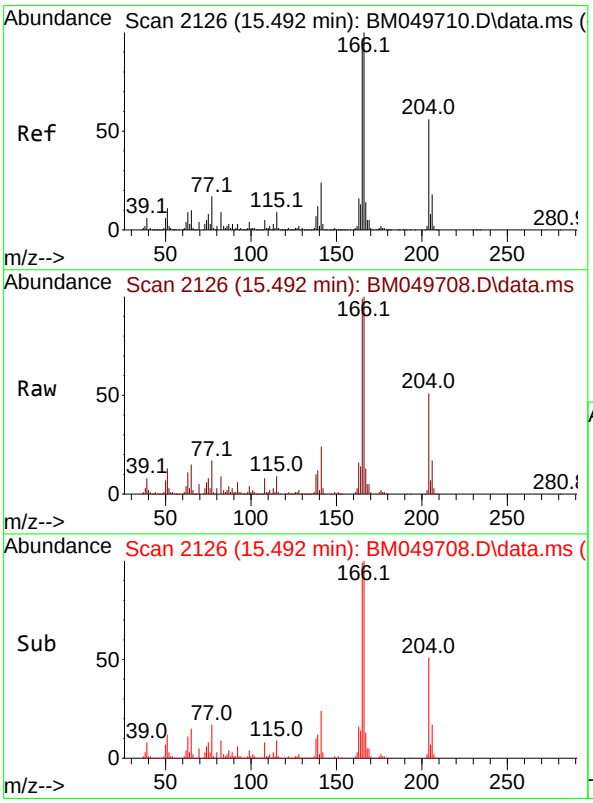
Ion	Ratio	Lower	Upper
165	100		
63	42.3	30.8	46.2
89	73.1	53.1	79.7
182	2.8	2.1	3.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

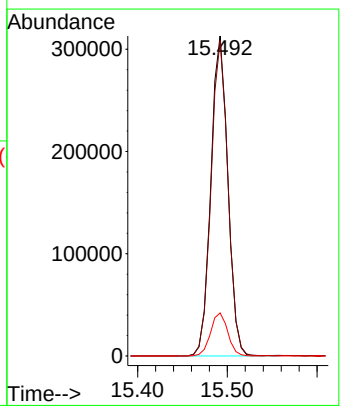
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

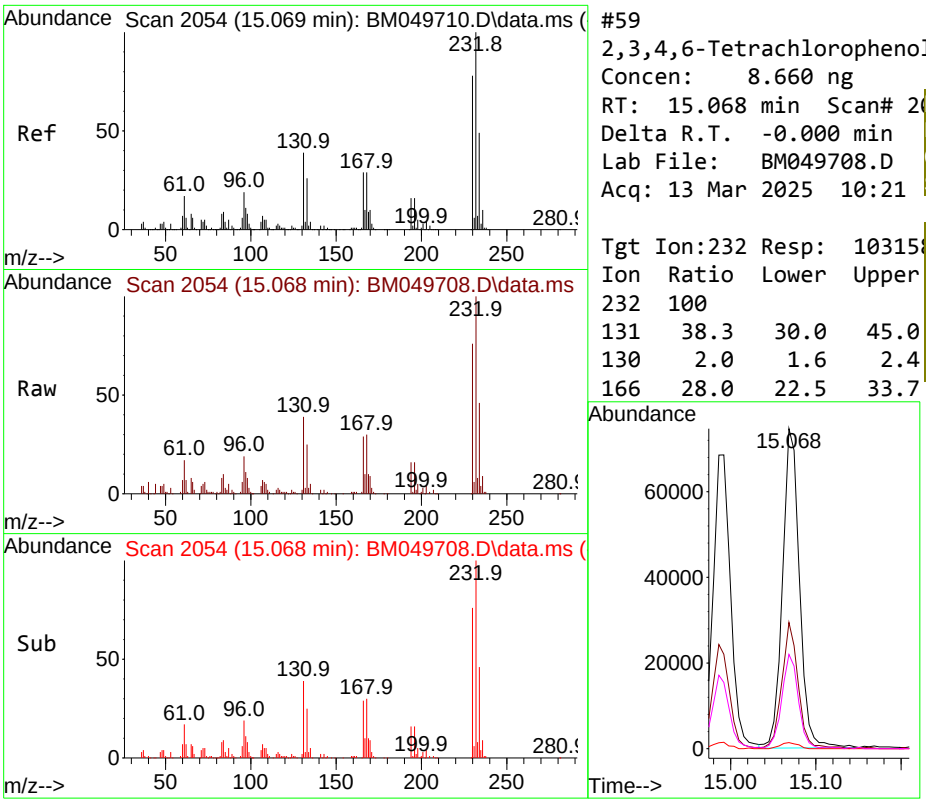


#58
Fluorene
Concen: 8.692 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:166 Resp: 411120

Ion	Ratio	Lower	Upper
166	100		
165	98.6	77.5	116.3
167	13.5	10.9	16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.660 ng
RT: 15.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

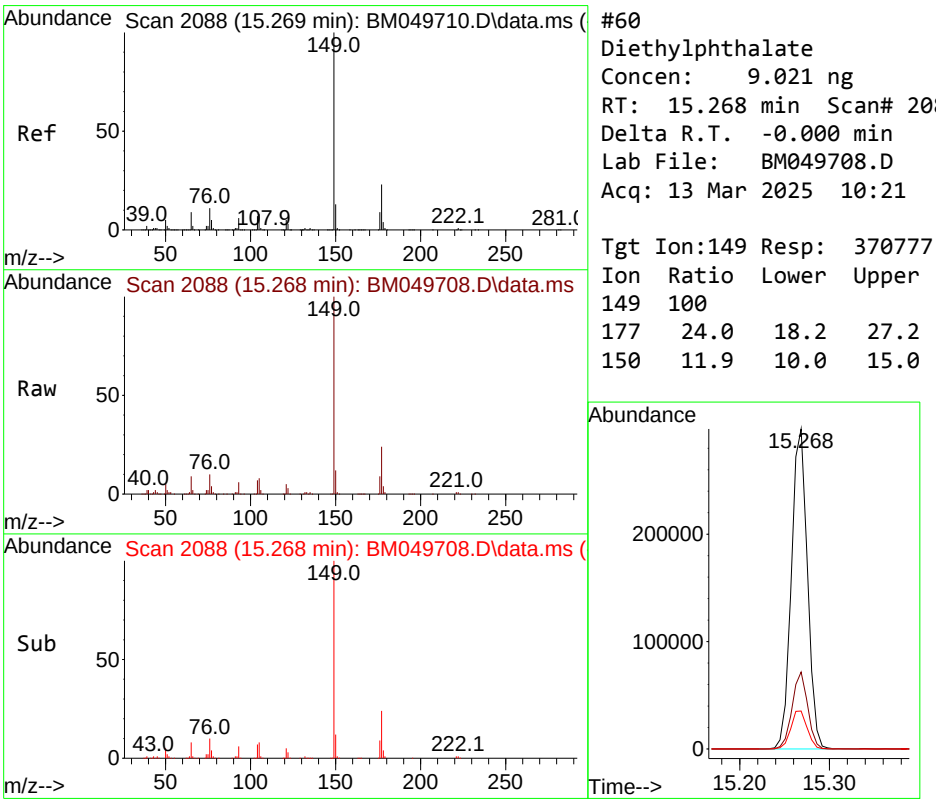
Tgt Ion:232 Resp: 10315

Ion	Ratio	Lower	Upper
232	100		
131	38.3	30.0	45.0
130	2.0	1.6	2.4
166	28.0	22.5	33.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

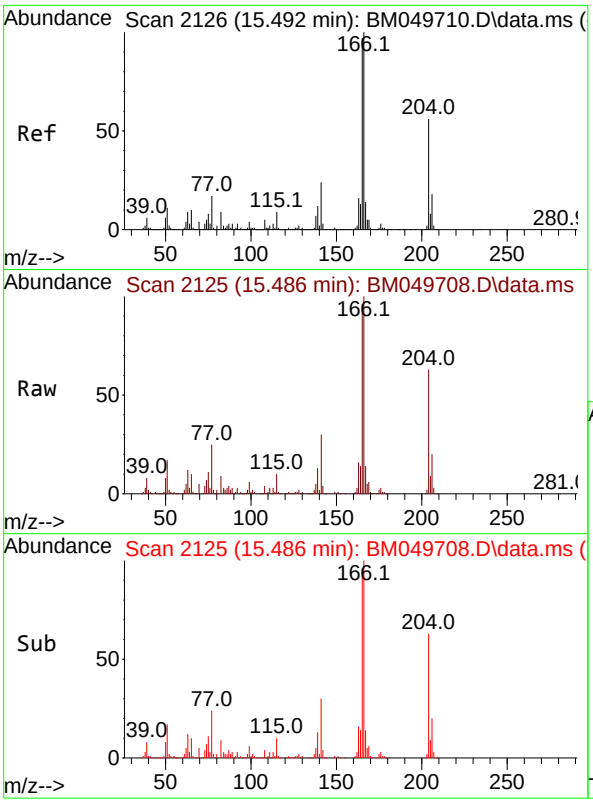
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#60
Diethylphthalate
Concen: 9.021 ng
RT: 15.268 min Scan# 2088
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:149 Resp: 370777

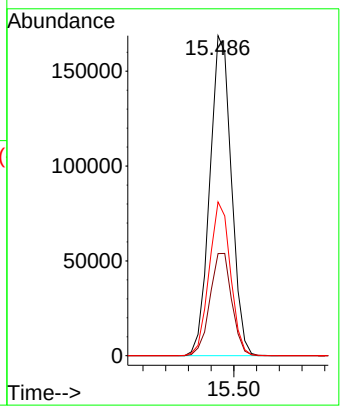
Ion	Ratio	Lower	Upper
149	100		
177	24.0	18.2	27.2
150	11.9	10.0	15.0



#61
4-Chlorophenyl-phenylether
Concen: 8.610 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:204 Resp: 22237

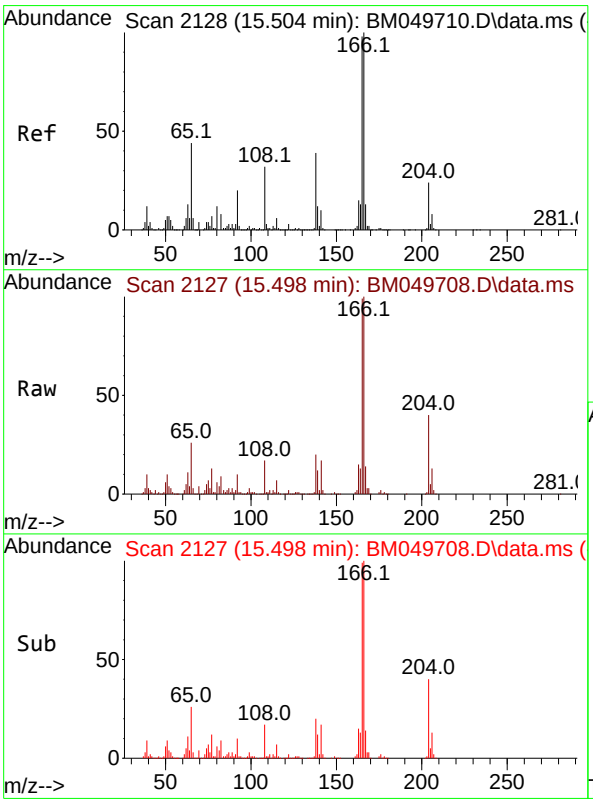
Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.2	37.8
141	48.0	34.5	51.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

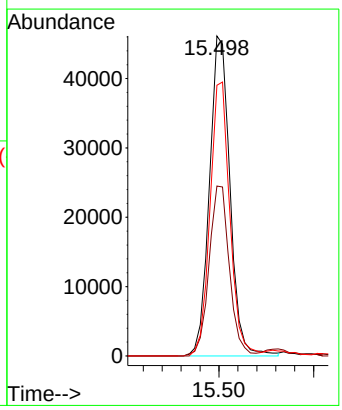
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

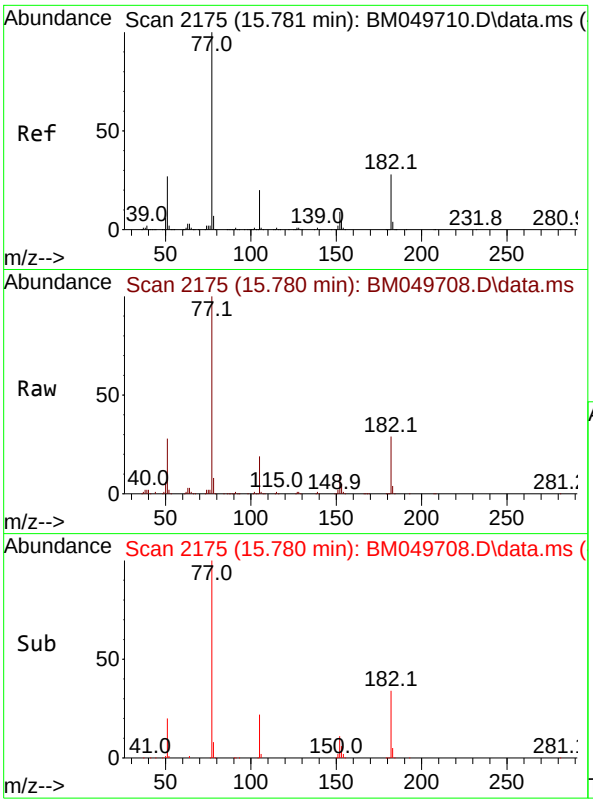


#62
4-Nitroaniline
Concen: 10.227 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:138 Resp: 69493

Ion	Ratio	Lower	Upper
138	100		
92	53.1	29.8	69.8
108	84.6	61.3	101.3

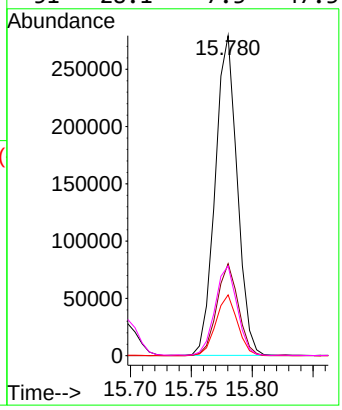




#63
Azobenzene
Concen: 8.951 ng
RT: 15.780 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion: 77 Resp: 35141

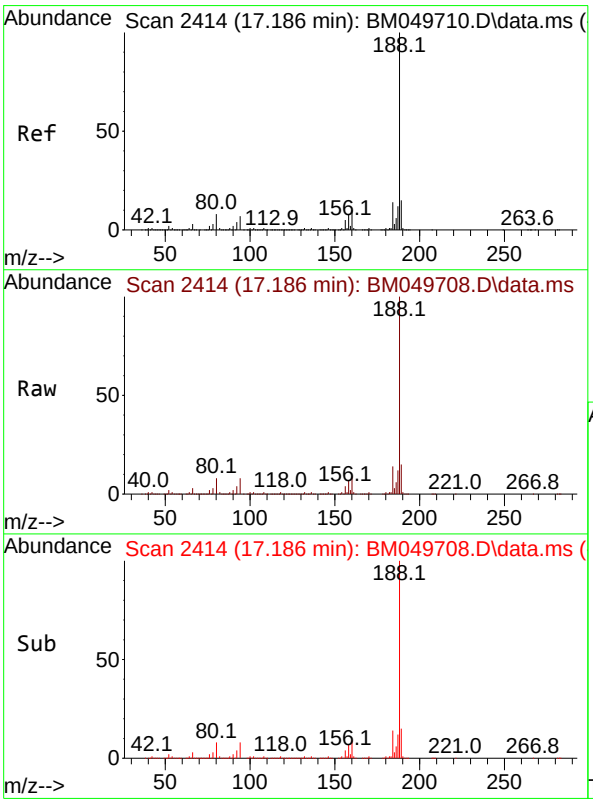
Ion	Ratio	Lower	Upper
77	100		
182	28.7	8.0	48.0
105	19.0	0.0	40.0
51	28.1	7.3	47.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

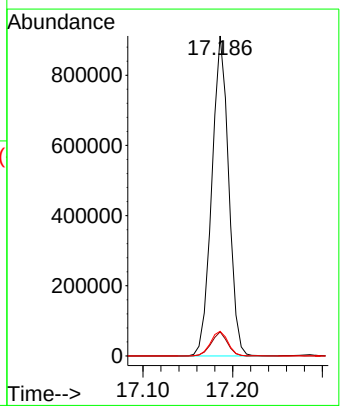
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

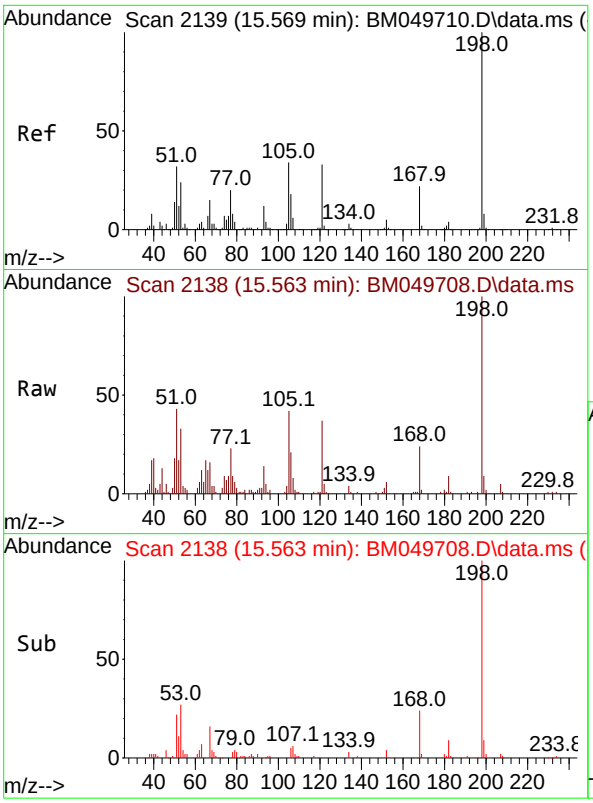


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:188 Resp: 1188953

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	7.7	6.3	9.5

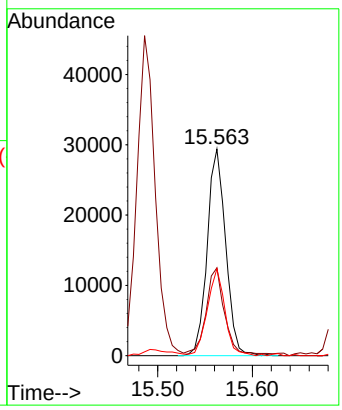




#65
4,6-Dinitro-2-methylphenol
Concen: 10.052 ng
RT: 15.563 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:198 Resp: 3973

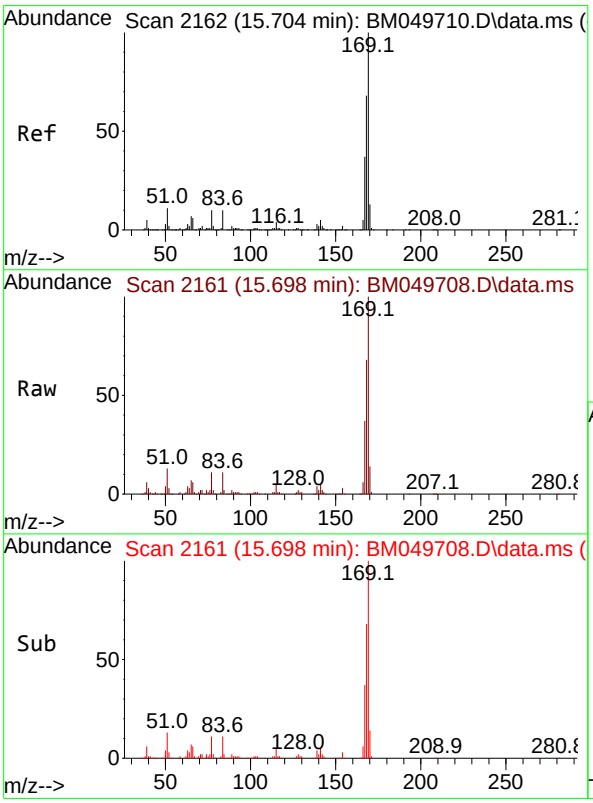
Ion	Ratio	Lower	Upper
198	100		
51	42.5	13.8	53.8
105	42.0	14.0	54.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

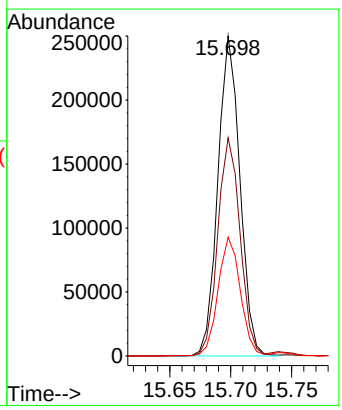
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

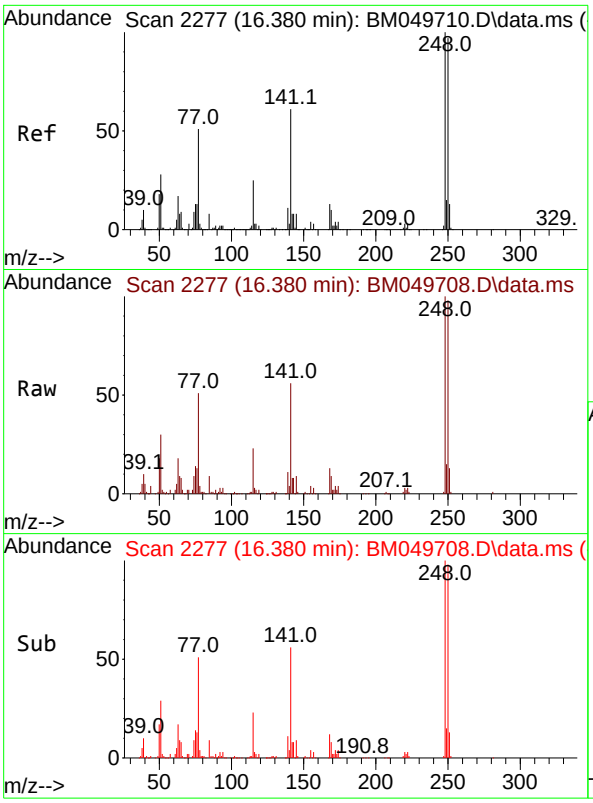


#66
n-Nitrosodiphenylamine
Concen: 8.754 ng
RT: 15.698 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:169 Resp: 315359

Ion	Ratio	Lower	Upper
169	100		
168	68.2	54.8	82.2
167	37.1	29.9	44.9





#67
4-Bromophenyl-phenylether
Concen: 8.716 ng
RT: 16.380 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

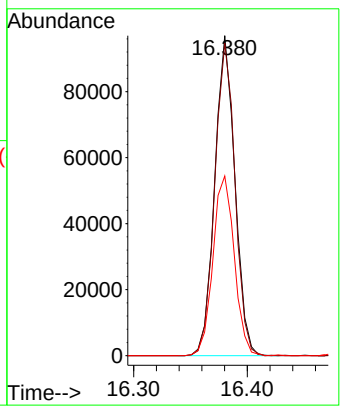
Tgt Ion:248 Resp: 11964

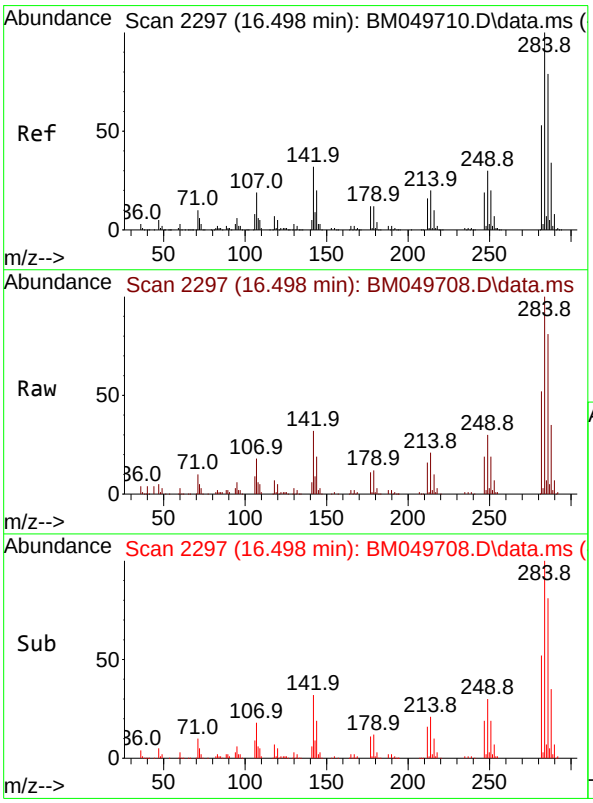
Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.9	116.9
141	56.2	48.6	73.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

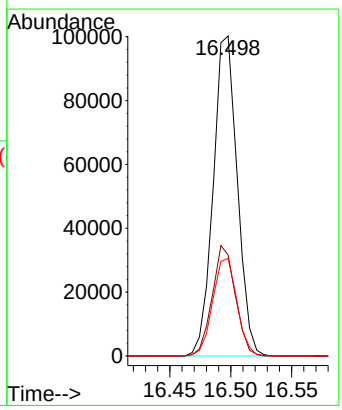


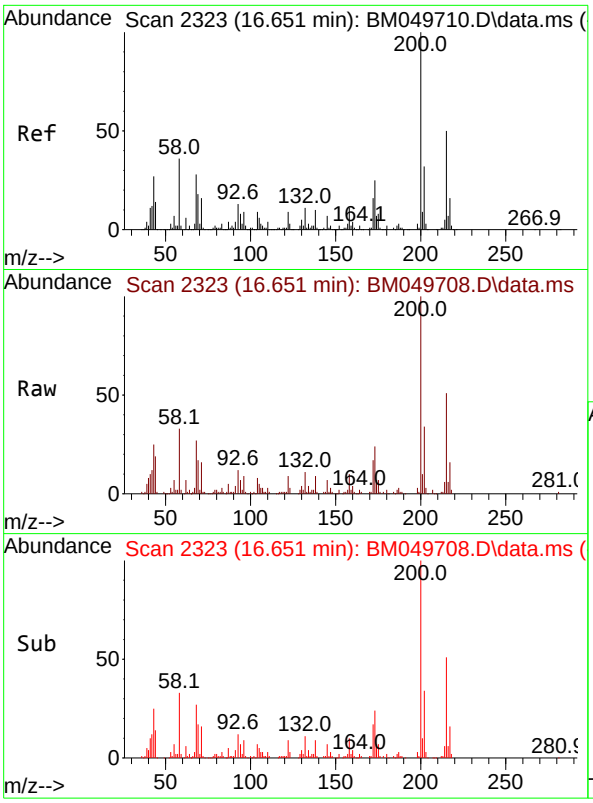


#68
Hexachlorobenzene
Concen: 8.933 ng
RT: 16.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:284 Resp: 137892

Ion	Ratio	Lower	Upper
284	100		
142	31.6	25.5	38.3
249	30.5	24.2	36.2

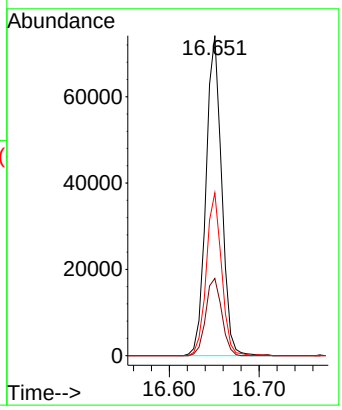




#69
Atrazine
Concen: 11.298 ng
RT: 16.651 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:200 Resp: 8969

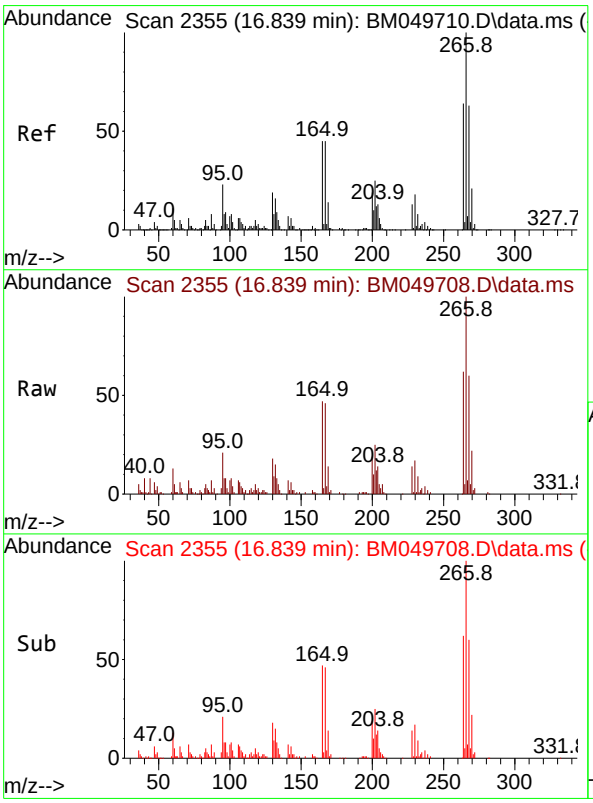
Ion	Ratio	Lower	Upper
200	100		
173	24.2	5.4	45.4
215	50.9	29.8	69.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

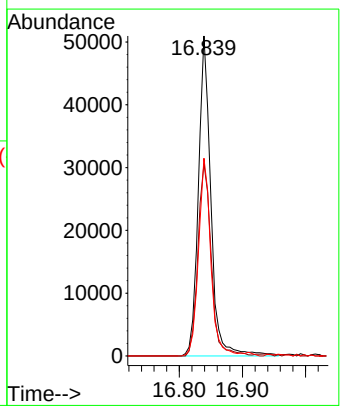
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

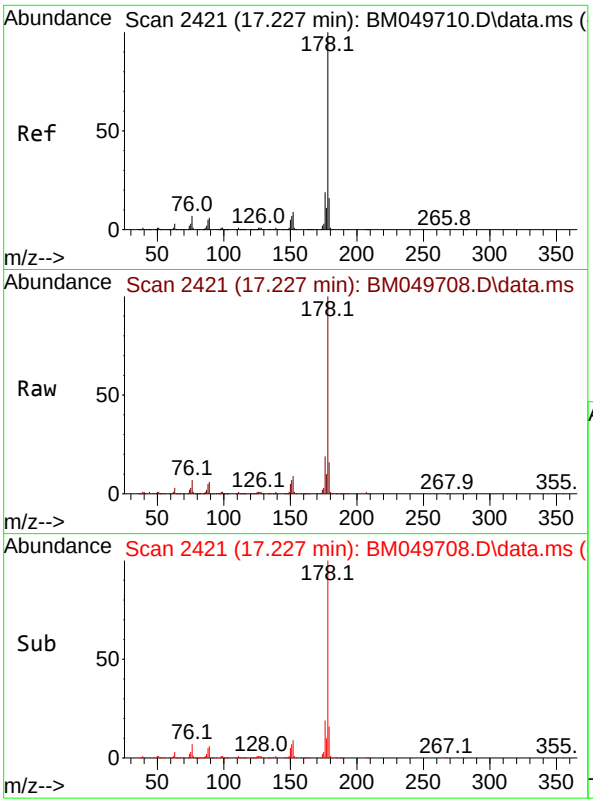


#70
Pentachlorophenol
Concen: 7.217 ng
RT: 16.839 min Scan# 2355
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:266 Resp: 70011

Ion	Ratio	Lower	Upper
266	100		
268	60.1	50.2	75.2
264	61.8	51.3	76.9

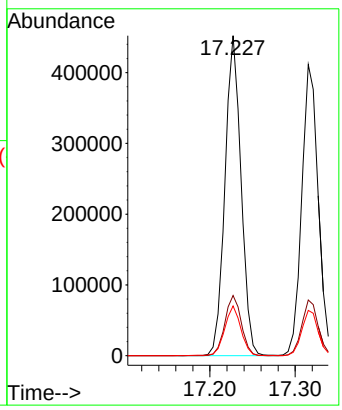




#71
Phenanthrene
Concen: 9.010 ng
RT: 17.227 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:178 Resp: 59483

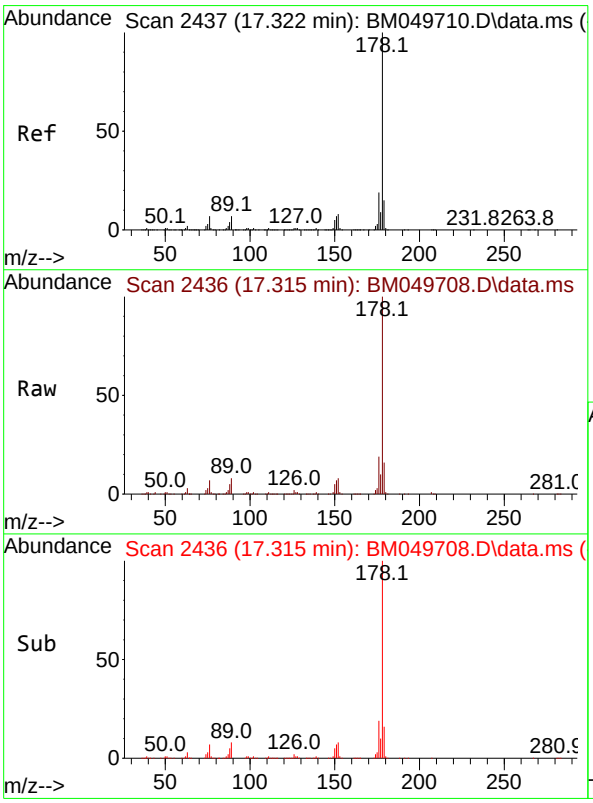
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	15.6	12.5	18.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

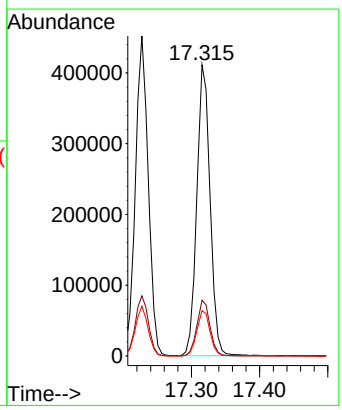
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

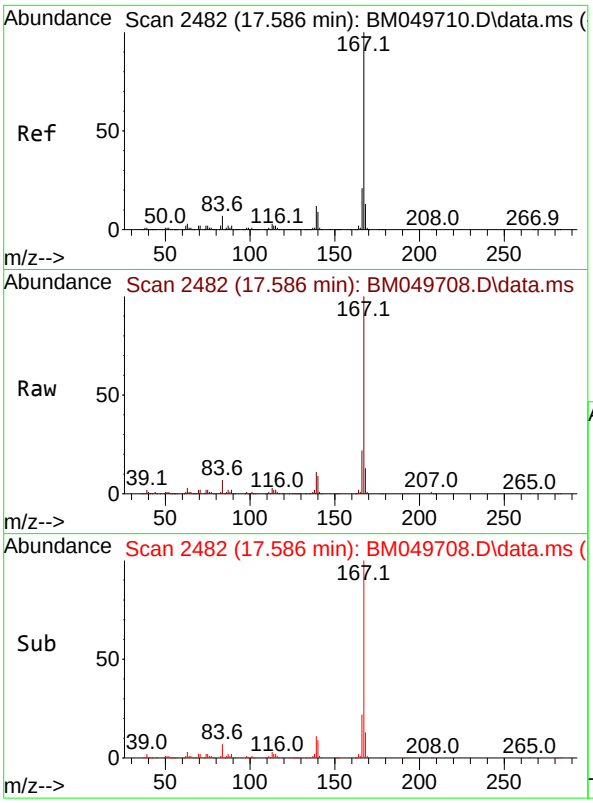


#72
Anthracene
Concen: 8.673 ng
RT: 17.315 min Scan# 2436
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:178 Resp: 554514

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.6	12.4	18.6

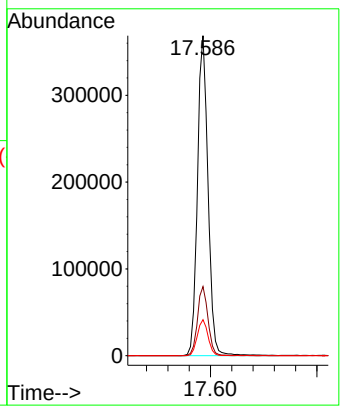




#73
Carbazole
Concen: 8.778 ng
RT: 17.586 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:167 Resp: 50826

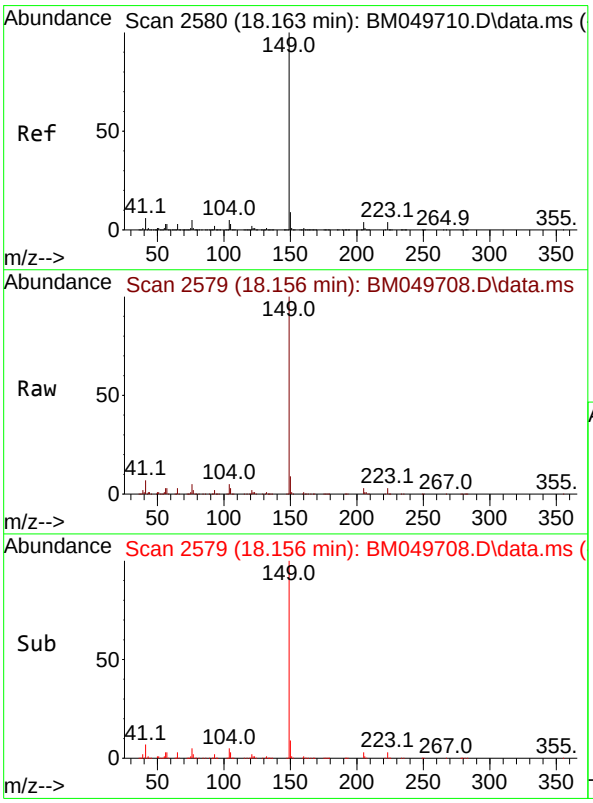
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	11.3	9.4	14.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

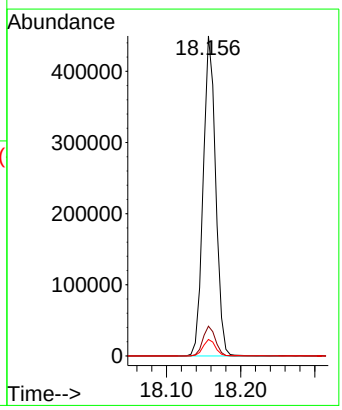
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

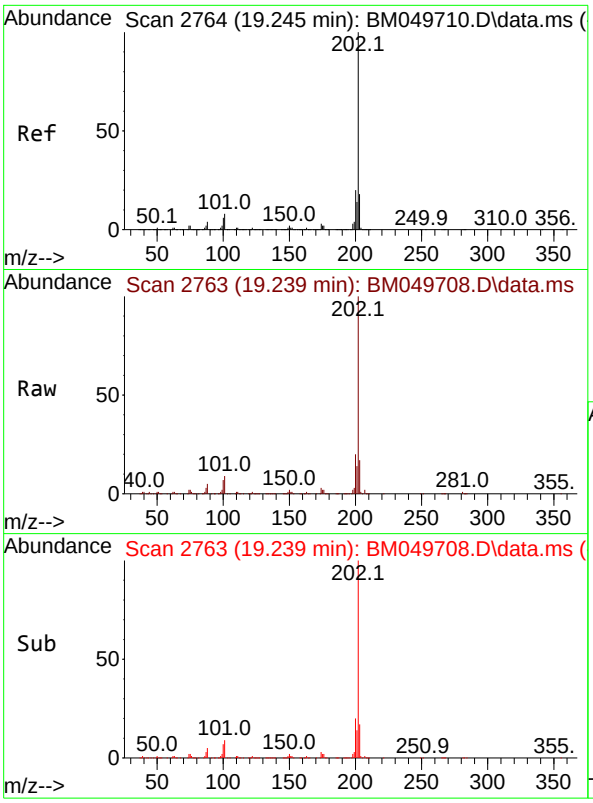


#74
Di-n-butylphthalate
Concen: 8.293 ng
RT: 18.156 min Scan# 2579
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:149 Resp: 526299

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.2	10.8
104	5.2	3.9	5.9

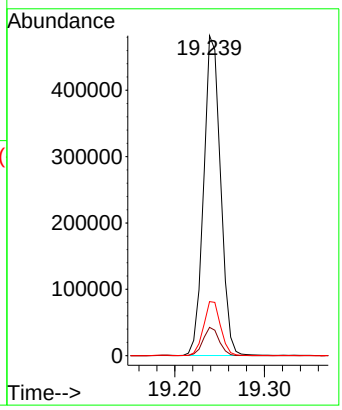




#75
Fluoranthene
Concen: 8.288 ng
RT: 19.239 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:202 Resp: 62994

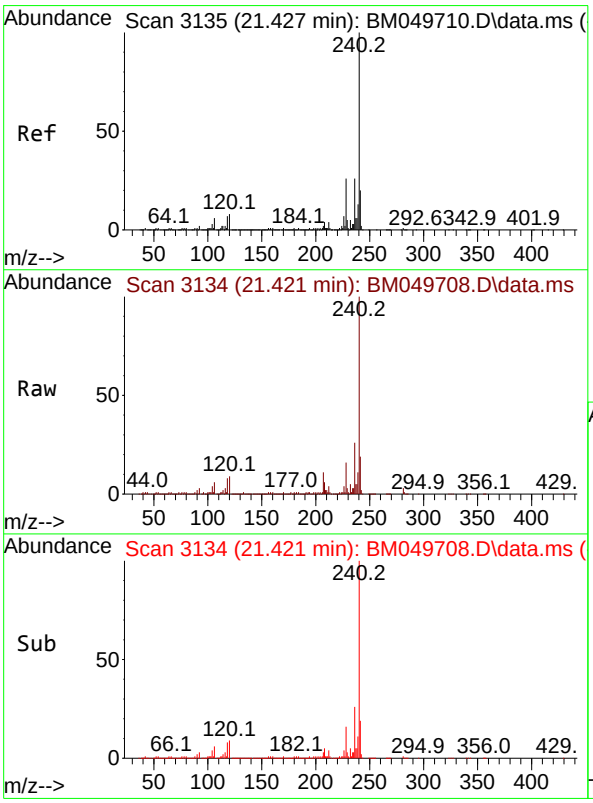
Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	27.8
203	16.9	0.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

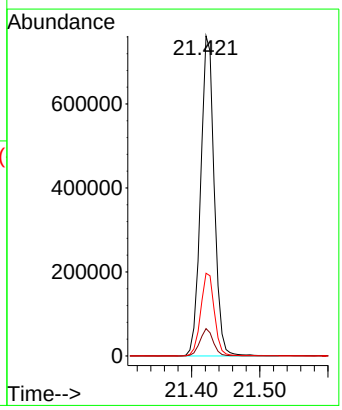
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

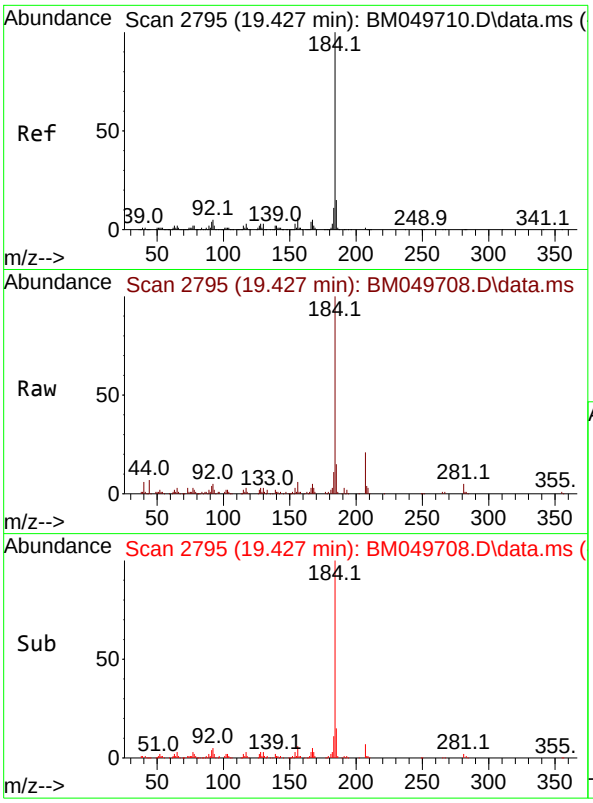


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:240 Resp: 1054297

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.5	9.7
236	25.9	20.7	31.1

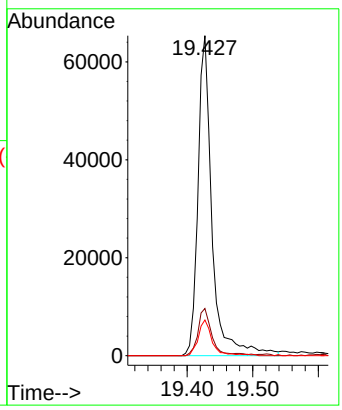




#77
Benzidine
Concen: 7.702 ng
RT: 19.427 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:184 Resp: 9755

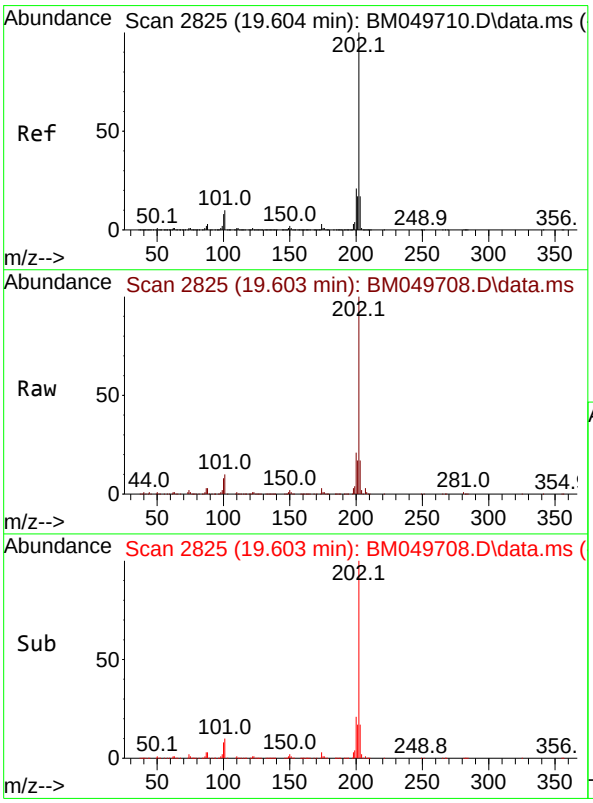
Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.7	17.5
183	11.2	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

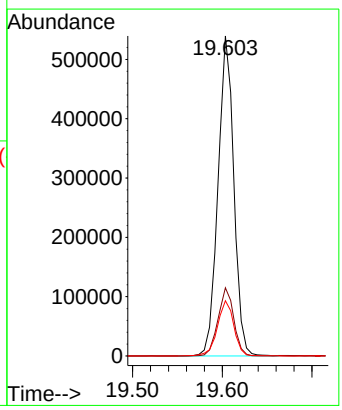
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

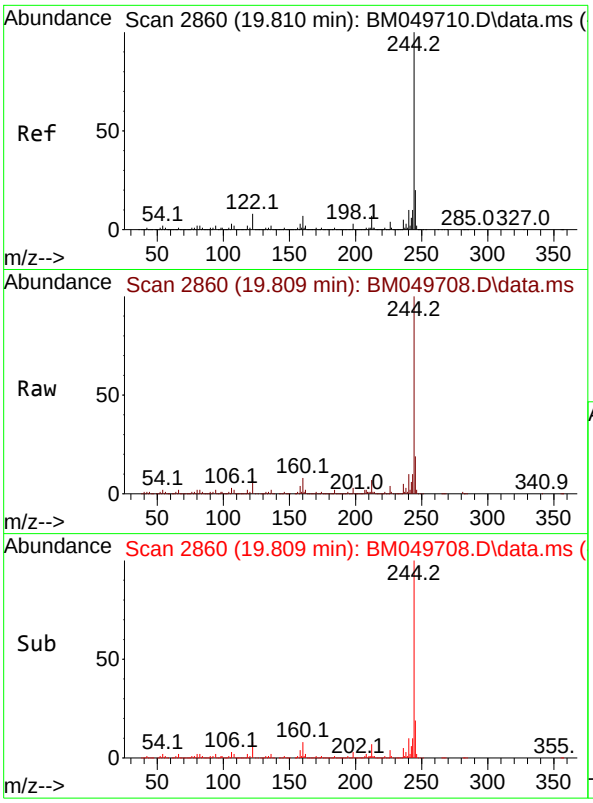


#78
Pyrene
Concen: 8.965 ng
RT: 19.603 min Scan# 2825
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:202 Resp: 660354

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.3	14.0	21.0





#79
Terphenyl-d14
Concen: 17.210 ng
RT: 19.809 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

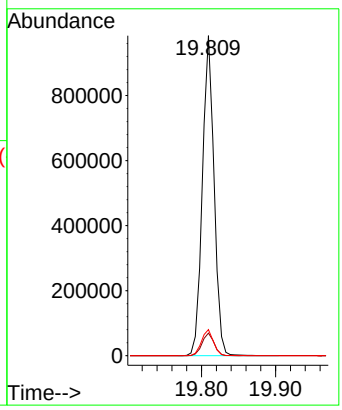
Tgt Ion:244 Resp: 107674

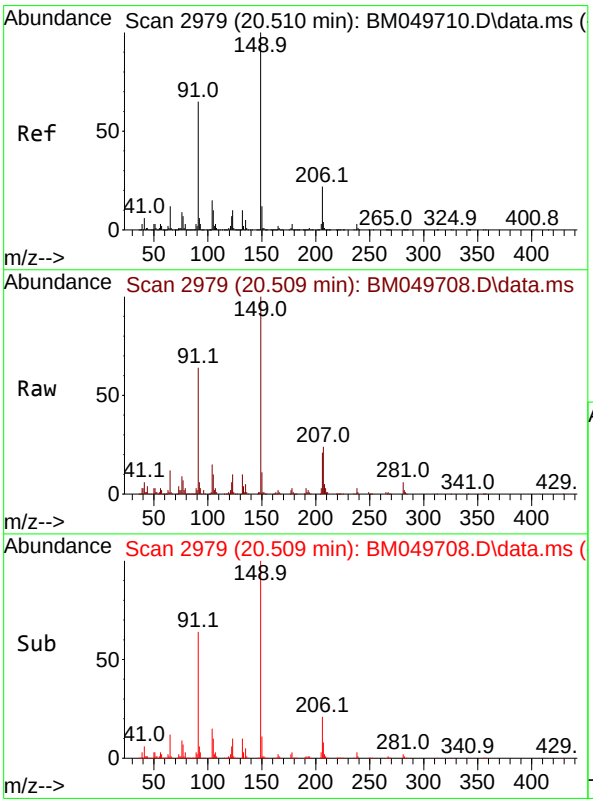
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	8.2	6.0	9.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

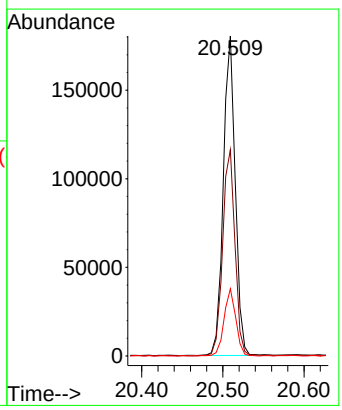


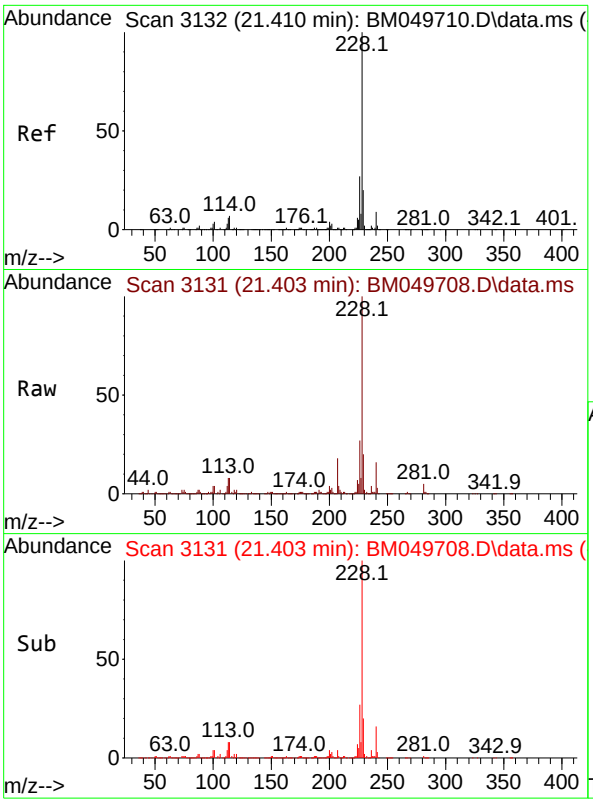


#80
Butylbenzylphthalate
Concen: 8.109 ng
RT: 20.509 min Scan# 2979
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:149 Resp: 185369

Ion	Ratio	Lower	Upper
149	100		
91	64.5	52.2	78.4
206	21.0	17.6	26.4





#81
Benzo(a)anthracene
Concen: 8.882 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

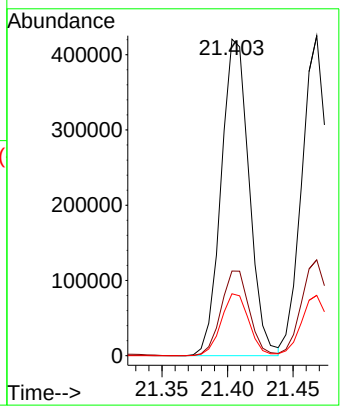
Tgt Ion:228 Resp: 62544

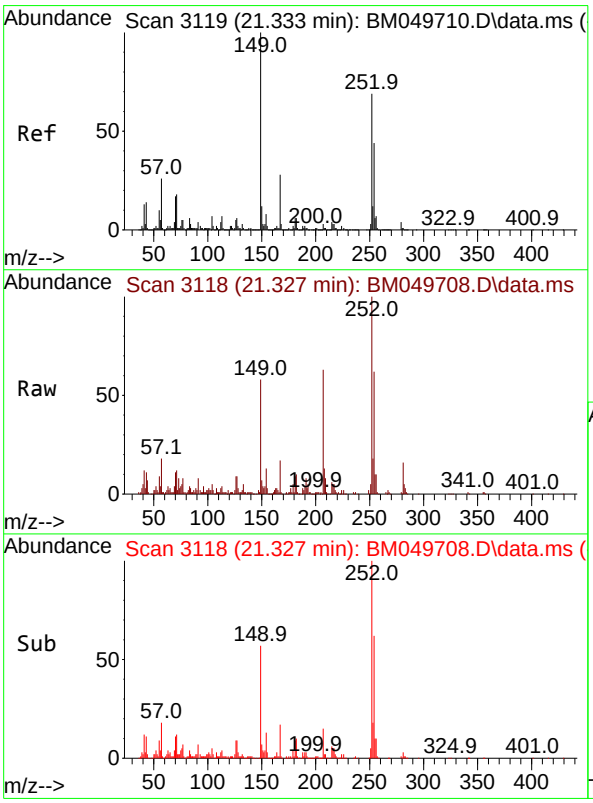
Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.0	33.0
229	19.6	15.8	23.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

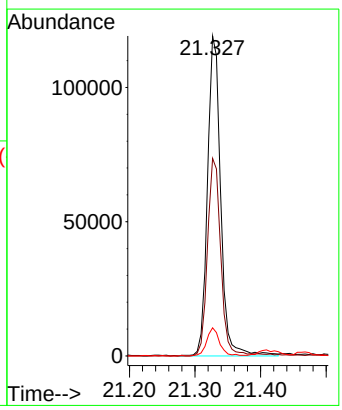


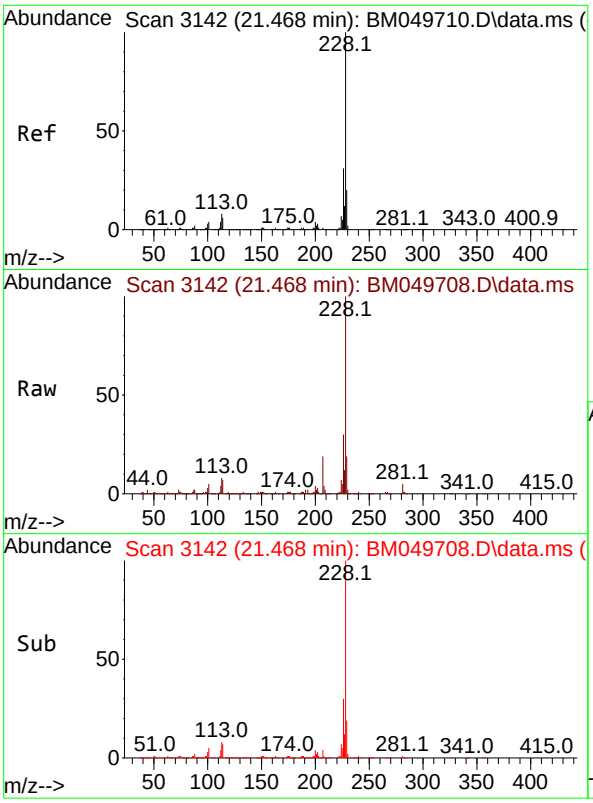


#82
3,3'-Dichlorobenzidine
Concen: 7.296 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:252 Resp: 167274

Ion	Ratio	Lower	Upper
252	100		
254	61.7	51.0	76.4
126	8.8	6.3	9.5

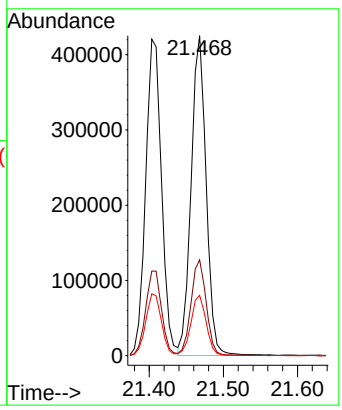




#83
Chrysene
Concen: 8.955 ng
RT: 21.468 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:228 Resp: 59777

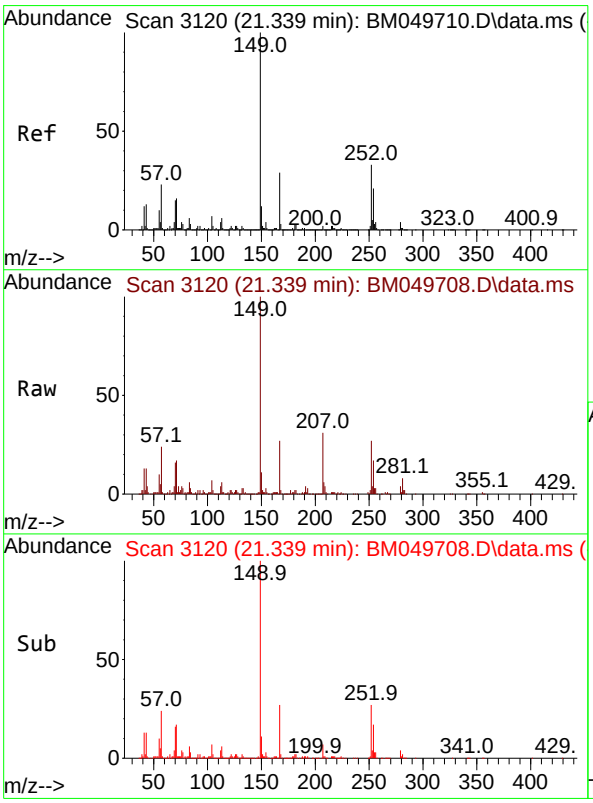
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.5	36.7
229	18.8	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

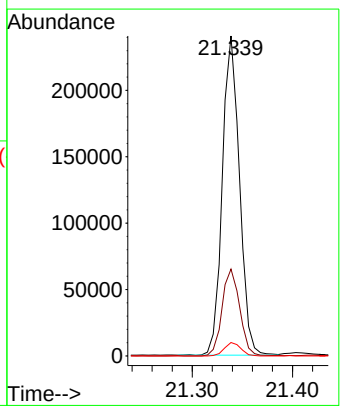
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

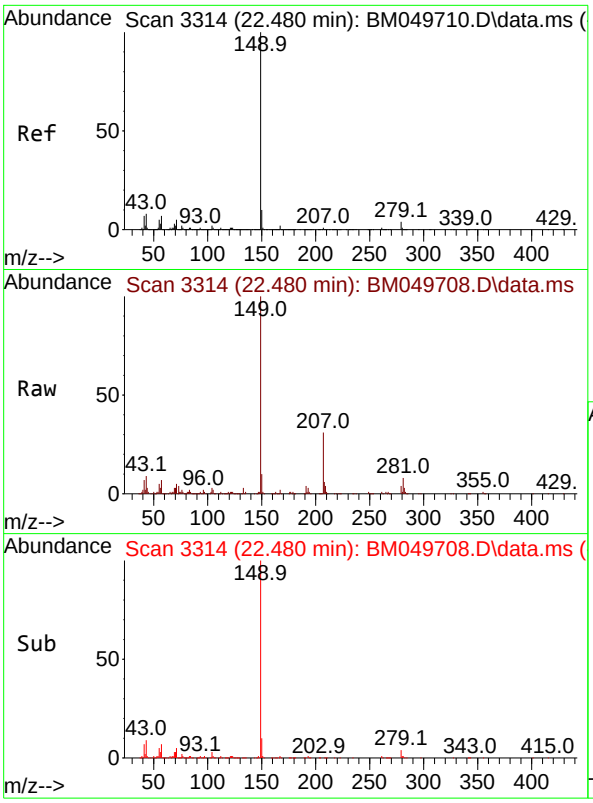


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.007 ng
RT: 21.339 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:149 Resp: 285266

Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.9	34.3
279	4.2	3.5	5.3

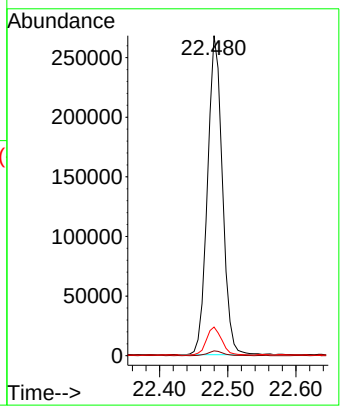




#85
Di-n-octyl phthalate
Concen: 7.365 ng
RT: 22.480 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:149 Resp: 40781

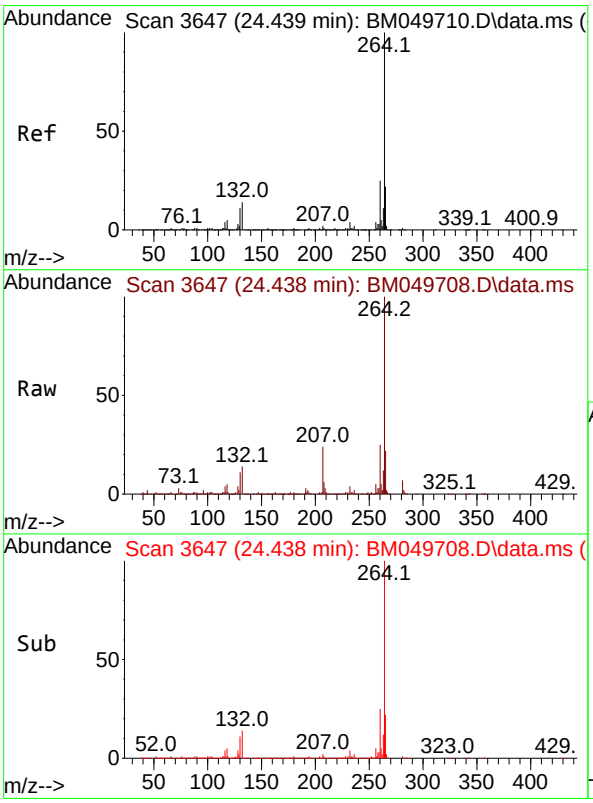
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.0	6.8	10.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

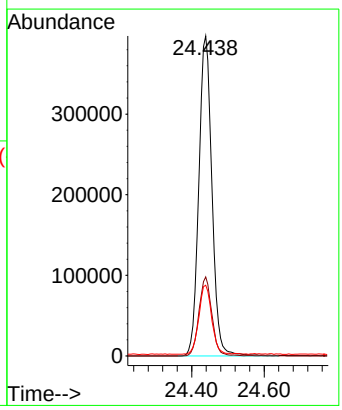
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

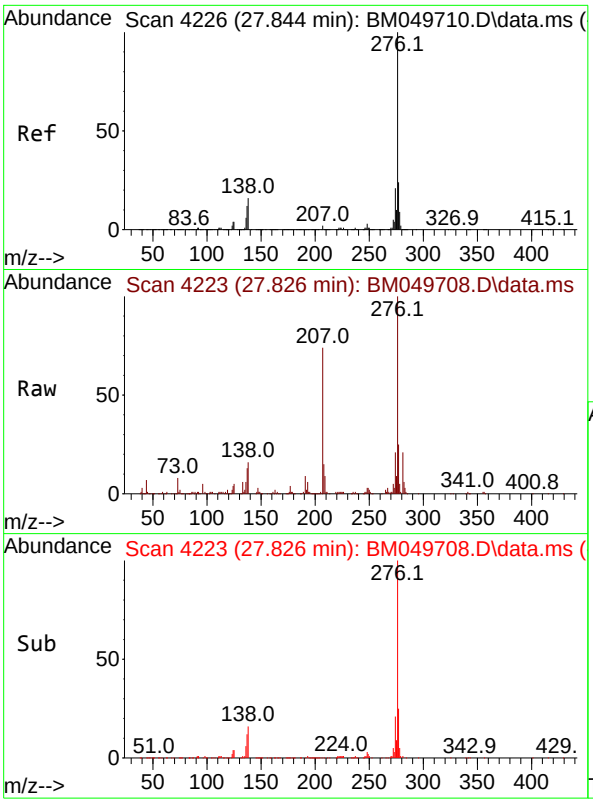


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.438 min Scan# 3647
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:264 Resp: 996325

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	22.1	18.2	27.2

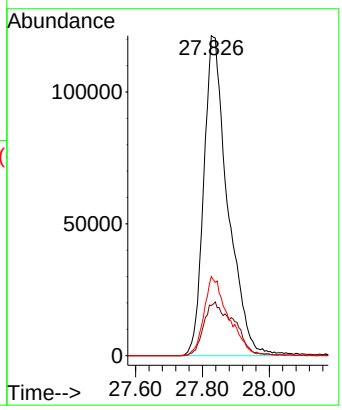




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.426 ng
RT: 27.826 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:276 Resp: 60421

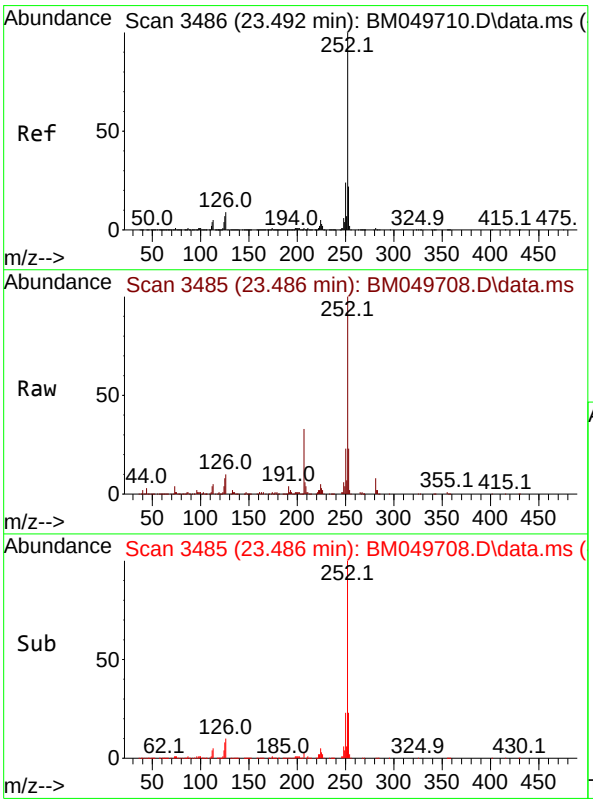
Ion	Ratio	Lower	Upper
276	100		
138	21.2	16.3	24.5
277	25.1	19.9	29.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

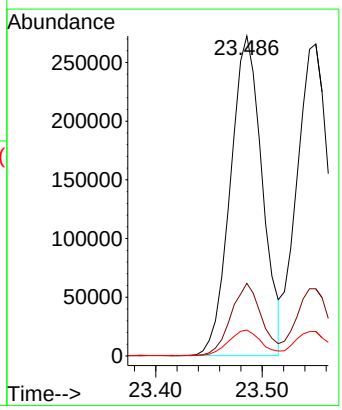
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

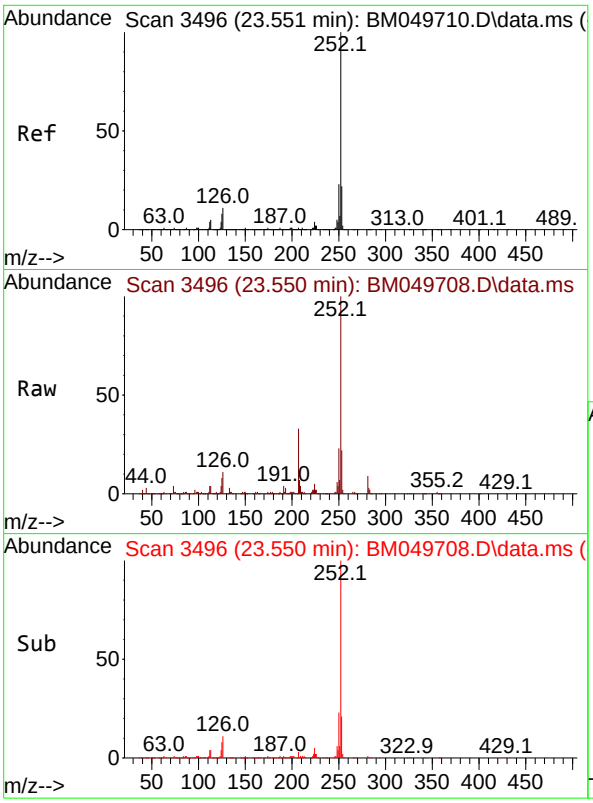


#88
Benzo(b)fluoranthene
Concen: 8.451 ng
RT: 23.486 min Scan# 3485
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:252 Resp: 567116

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	8.1	5.9	8.9

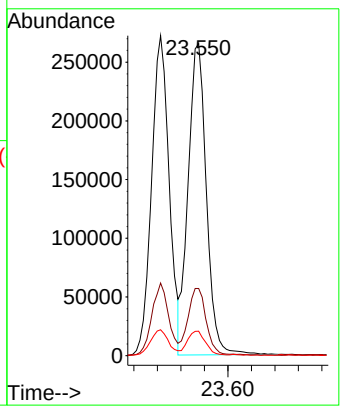




#89
Benzo(k)fluoranthene
Concen: 8.658 ng
RT: 23.550 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:252 Resp: 57170

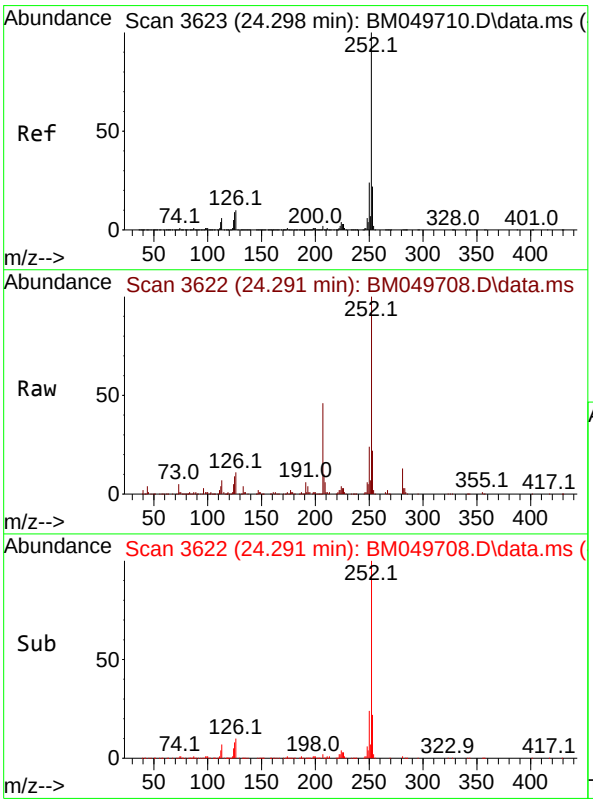
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	7.8	6.2	9.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

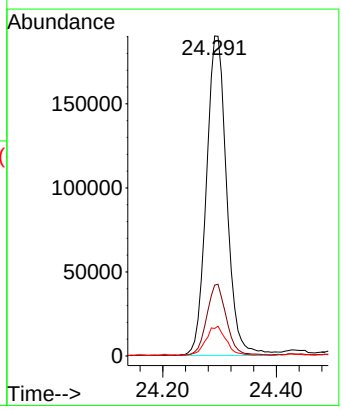
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

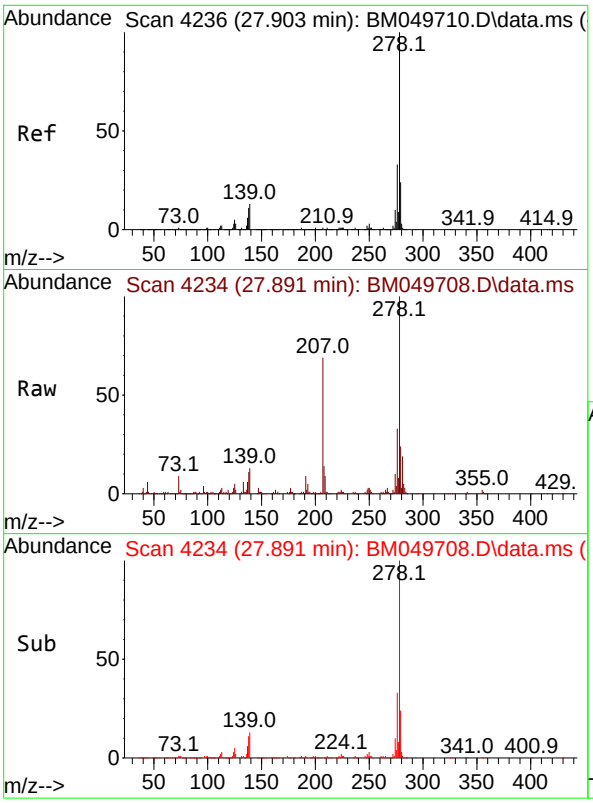


#90
Benzo(a)pyrene
Concen: 8.376 ng
RT: 24.291 min Scan# 3622
Delta R.T. -0.006 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:252 Resp: 472134

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	8.6	7.0	10.6

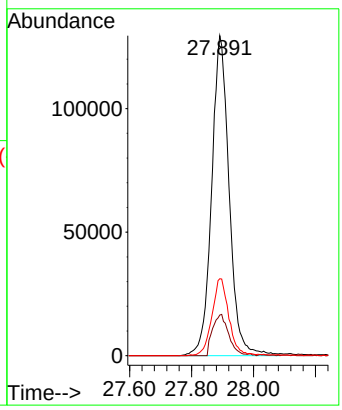




#91
Dibenzo(a,h)anthracene
Concen: 8.527 ng
RT: 27.891 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:278 Resp: 50948

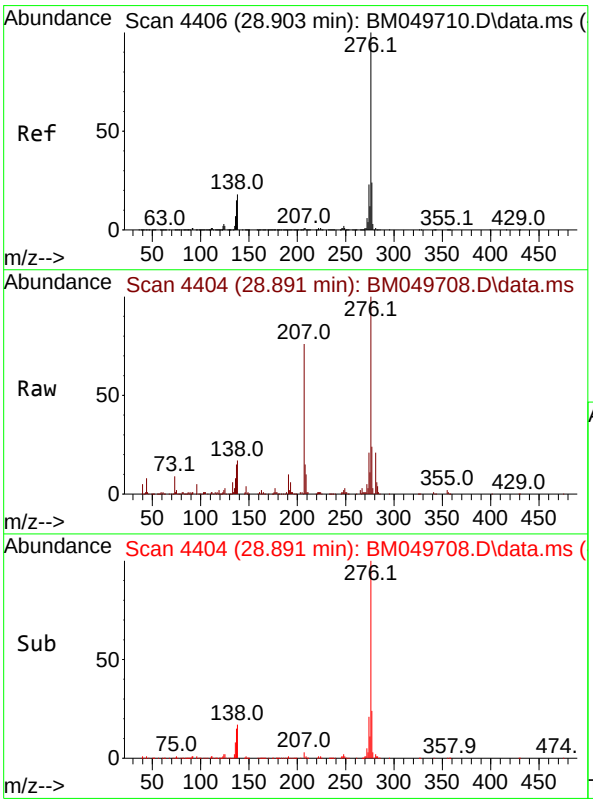
Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.1	15.1
279	24.1	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

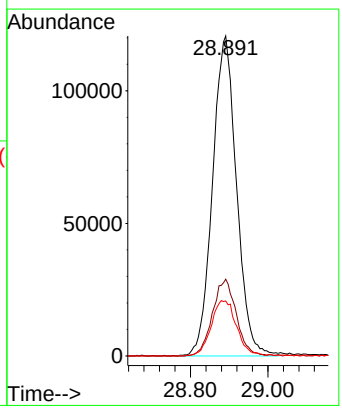
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#92
Benzo(g,h,i)perylene
Concen: 8.630 ng
RT: 28.891 min Scan# 4404
Delta R.T. -0.012 min
Lab File: BM049708.D
Acq: 13 Mar 2025 10:21

Tgt Ion:276 Resp: 519343

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	17.2	14.0	21.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049709.D
Acq On : 13 Mar 2025 11:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Mar 13 14:40:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	313236	20.000	ng		0.00
21) Naphthalene-d8	10.604	136	1063554	20.000	ng		0.00
39) Acenaphthene-d10	14.445	164	653236	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	1202916	20.000	ng		0.00
76) Chrysene-d12	21.421	240	1084099	20.000	ng		0.00
86) Perylene-d12	24.439	264	1012386	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.387	112	752200	40.519	ng		0.00
7) Phenol-d6	6.975	99	938684	40.292	ng		0.00
23) Nitrobenzene-d5	8.957	82	834165	40.268	ng		0.00
42) 2,4,6-Tribromophenol	15.933	330	295521	38.742	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	2042299	39.155	ng		0.00
79) Terphenyl-d14	19.809	244	2611487	40.593	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.287	88	164522	20.472	ng		100
3) Pyridine	3.687	79	416413	20.264	ng		98
4) n-Nitrosodimethylamine	3.593	42	187929	20.695	ng		99
6) Aniline	7.134	93	409185	20.965	ng		98
8) 2-Chlorophenol	7.375	128	373637	20.324	ng		99
9) Benzaldehyde	6.946	77	259870	22.564	ng		100
10) Phenol	7.004	94	458278	20.287	ng		98
11) bis(2-Chloroethyl)ether	7.228	93	372516	20.364	ng		98
12) 1,3-Dichlorobenzene	7.698	146	450375	20.159	ng		100
13) 1,4-Dichlorobenzene	7.840	146	460432	20.429	ng		99
14) 1,2-Dichlorobenzene	8.157	146	440083	20.546	ng		99
15) Benzyl Alcohol	8.045	79	291985	19.972	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.334	45	446479	20.767	ng		99
17) 2-Methylphenol	8.251	107	274444	20.463	ng		99
18) Hexachloroethane	8.887	117	160305	20.141	ng		92
19) n-Nitroso-di-n-propyla...	8.610	70	279276	20.673	ng		99
20) 3+4-Methylphenols	8.581	107	365852	20.356	ng		99
22) Acetophenone	8.628	105	549310	20.031	ng	#	99
24) Nitrobenzene	9.004	77	398868	20.420	ng		97
25) Isophorone	9.534	82	636755	20.020	ng		99
26) 2-Nitrophenol	9.716	139	162399	19.534	ng		98
27) 2,4-Dimethylphenol	9.781	122	211884	20.023	ng		98
28) bis(2-Chloroethoxy)met...	10.010	93	457141	20.407	ng		97
29) 2,4-Dichlorophenol	10.251	162	348455	20.208	ng		98
30) 1,2,4-Trichlorobenzene	10.463	180	442553	20.513	ng		98
31) Naphthalene	10.651	128	1094433	20.012	ng		99
32) Benzoic acid	9.887	122	152840	16.977	ng		95
33) 4-Chloroaniline	10.757	127	382245	20.480	ng		100
34) Hexachlorobutadiene	10.945	225	270278	20.294	ng		98
35) Caprolactam	11.528	113	77852	19.446	ng		95
36) 4-Chloro-3-methylphenol	11.886	107	290072	19.602	ng		99
37) 2-Methylnaphthalene	12.263	142	758592	19.837	ng		100
38) 1-Methylnaphthalene	12.486	142	727810	19.727	ng		99
40) 1,2,4,5-Tetrachloroben...	12.633	216	472680	19.699	ng		99
41) Hexachlorocyclopentadiene	12.622	237	173785	19.550	ng		96
43) 2,4,6-Trichlorophenol	12.875	196	264033	19.647	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049709.D
Acq On : 13 Mar 2025 11:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Mar 13 14:40:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

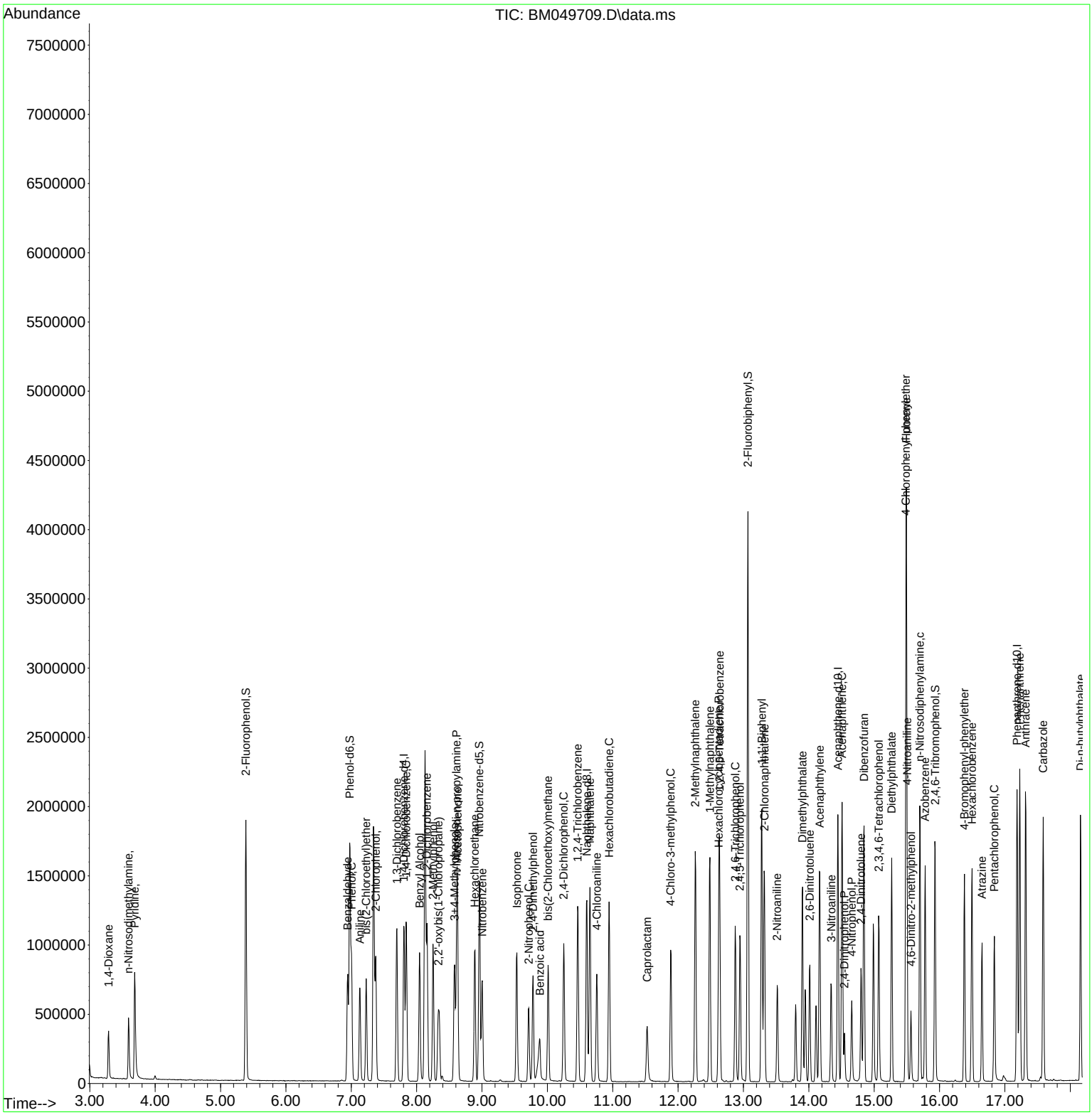
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.945	196	289238	19.723	ng	99
46) 1,1'-Biphenyl	13.280	154	1005064	19.963	ng	99
47) 2-Chloronaphthalene	13.322	162	779763	19.898	ng	99
48) 2-Nitroaniline	13.516	65	170895	19.426	ng	96
49) Acenaphthylene	14.169	152	1081919	19.752	ng	100
50) Dimethylphthalate	13.904	163	899648	20.003	ng	99
51) 2,6-Dinitrotoluene	14.016	165	178893	19.851	ng	99
52) Acenaphthene	14.510	154	700438	19.519	ng	99
53) 3-Nitroaniline	14.345	138	168909	19.697	ng	99
54) 2,4-Dinitrophenol	14.545	184	72346	20.242	ng	99
55) Dibenzofuran	14.845	168	1184764	19.789	ng	99
56) 4-Nitrophenol	14.657	139	136931	18.344	ng	99
57) 2,4-Dinitrotoluene	14.798	165	225172	19.418	ng	95
58) Fluorene	15.492	166	949720	19.484	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.069	232	239188	19.485	ng	98
60) Diethylphthalate	15.269	149	839716	19.824	ng	98
61) 4-Chlorophenyl-phenyle...	15.486	204	511663	19.223	ng	93
62) 4-Nitroaniline	15.504	138	174539	19.525	ng	100
63) Azobenzene	15.780	77	804689	19.889	ng	99
65) 4,6-Dinitro-2-methylph...	15.563	198	105000	20.361	ng	88
66) n-Nitrosodiphenylamine	15.698	169	725911	19.917	ng	99
67) 4-Bromophenyl-phenylether	16.380	248	273093	19.663	ng	99
68) Hexachlorobenzene	16.498	284	304632	19.505	ng	99
69) Atrazine	16.651	200	173431	21.592	ng	99
70) Pentachlorophenol	16.839	266	174643	17.794	ng	99
71) Phenanthrene	17.227	178	1304624	19.532	ng	99
72) Anthracene	17.315	178	1269013	19.617	ng	100
73) Carbazole	17.586	167	1145728	19.557	ng	100
74) Di-n-butylphthalate	18.157	149	1254005	19.530	ng	99
75) Fluoranthene	19.239	202	1446853	18.815	ng	99
77) Benzidine	19.427	184	310871	23.868	ng	99
78) Pyrene	19.604	202	1507240	19.900	ng	99
80) Butylbenzylphthalate	20.509	149	463918	19.737	ng	97
81) Benzo(a)anthracene	21.403	228	1428447	19.727	ng	99
82) 3,3'-Dichlorobenzidine	21.327	252	429145	18.203	ng	99
83) Chrysene	21.468	228	1364401	19.877	ng	100
84) Bis(2-ethylhexyl)phtha...	21.339	149	735062	20.066	ng	98
85) Di-n-octyl phthalate	22.480	149	1034304	18.166	ng	99
87) Indeno(1,2,3-cd)pyrene	27.838	276	1398710	19.195	ng	99
88) Benzo(b)fluoranthene	23.486	252	1313124	19.257	ng	100
89) Benzo(k)fluoranthene	23.550	252	1310136	19.526	ng	99
90) Benzo(a)pyrene	24.291	252	1098704	19.183	ng	100
91) Dibenzo(a,h)anthracene	27.897	278	1165557	19.199	ng	99
92) Benzo(g,h,i)perylene	28.897	276	1187458	19.418	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049709.D
Acq On : 13 Mar 2025 11:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

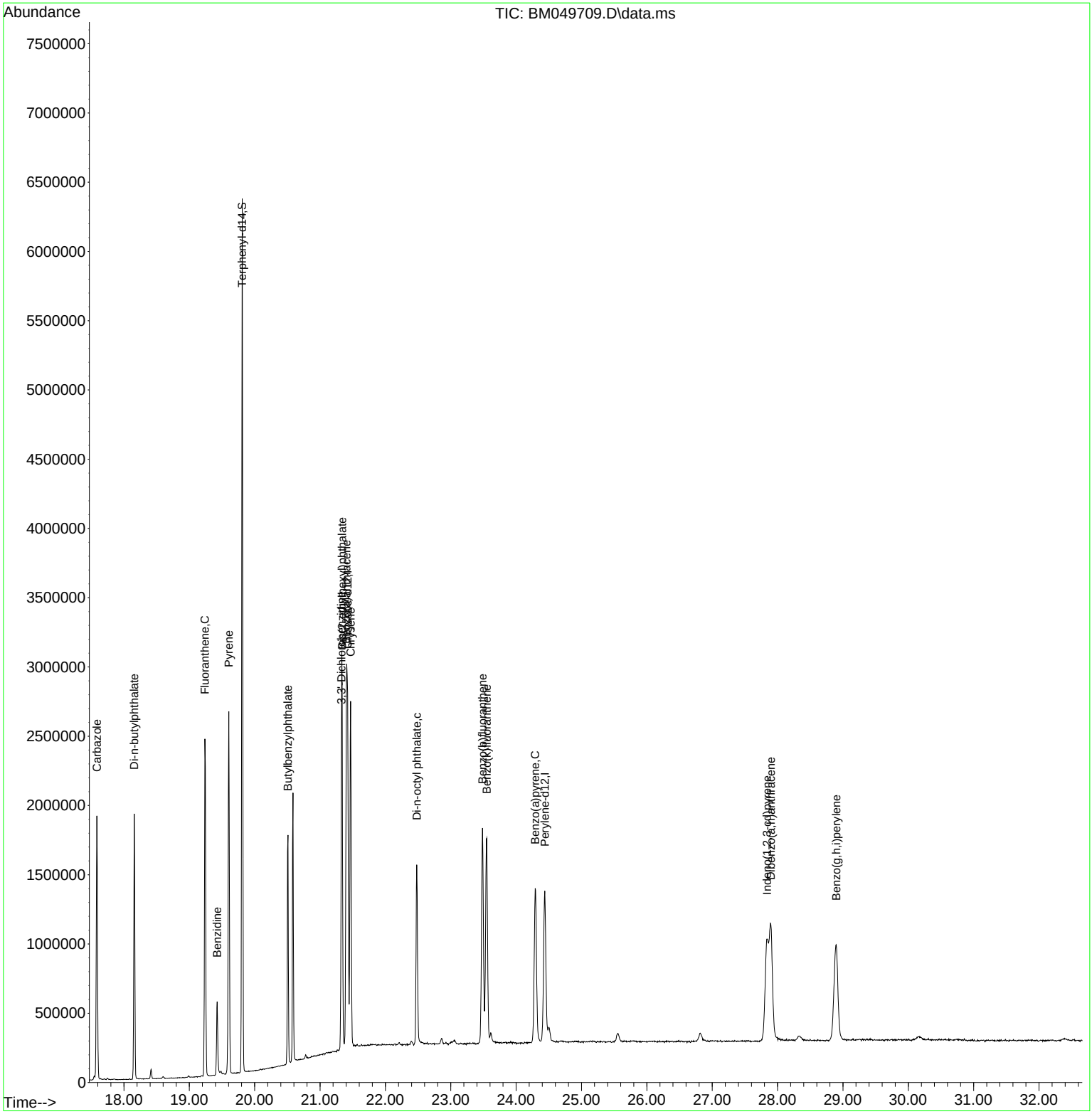
Quant Time: Mar 13 14:40:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

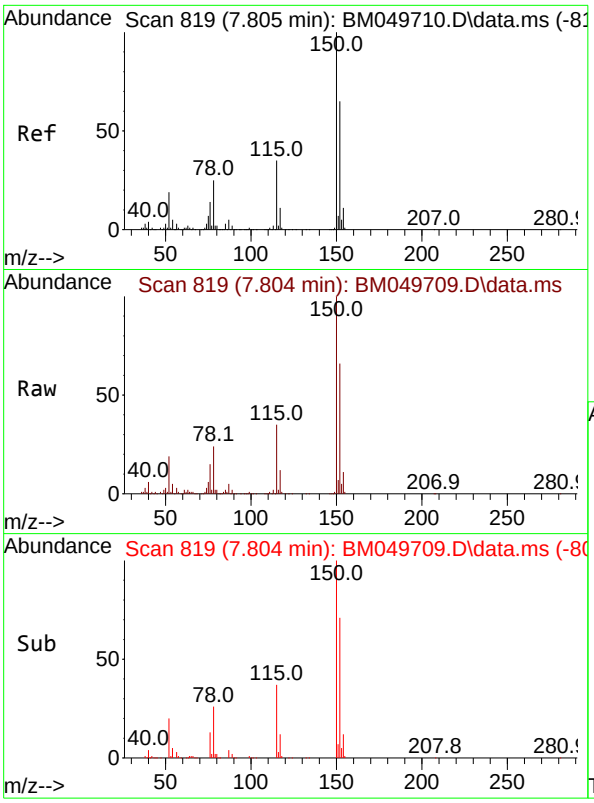


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049709.D
Acq On : 13 Mar 2025 11:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Mar 13 14:40:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration



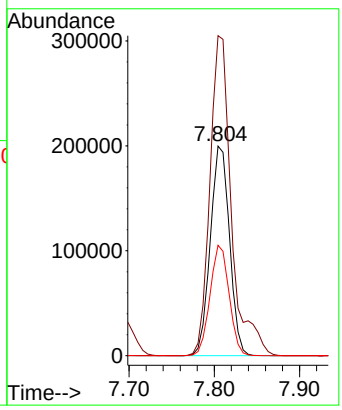


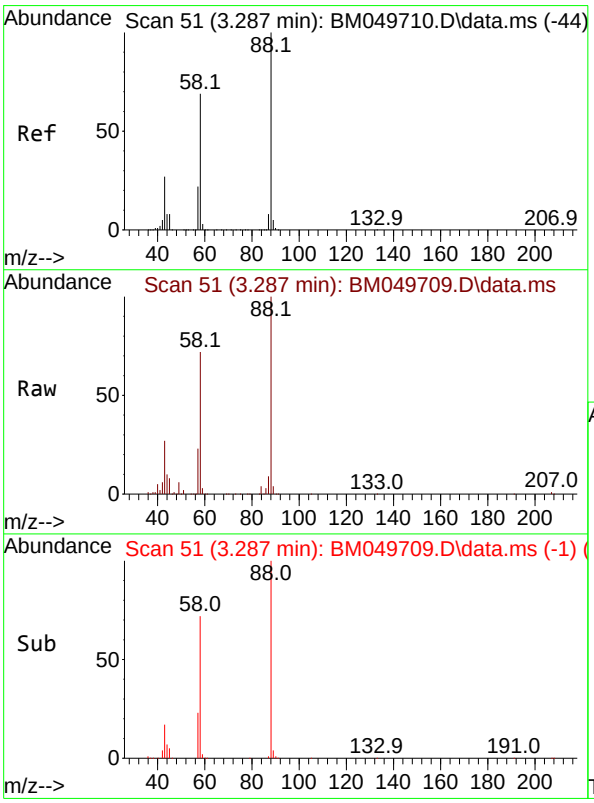
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.001 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 313236

Ion	Ratio	Lower	Upper
152	100		
150	152.7	123.8	185.8
115	52.7	43.0	64.6

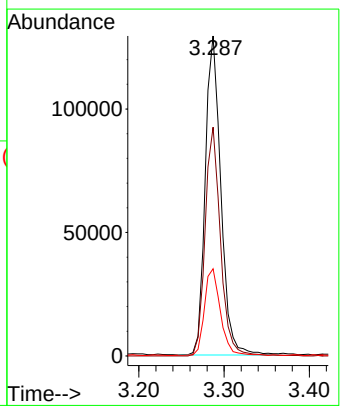


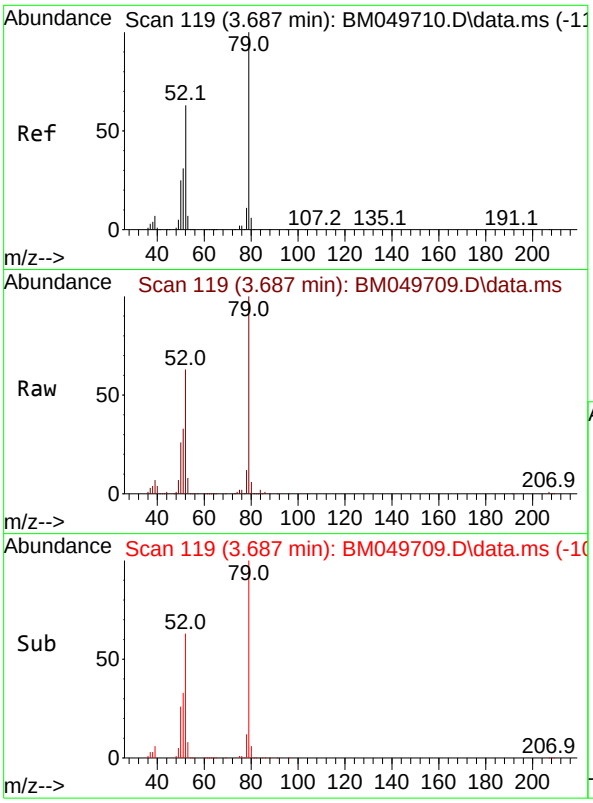


#2
1,4-Dioxane
Concen: 20.472 ng
RT: 3.287 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 88 Resp: 164522

Ion	Ratio	Lower	Upper
88	100		
58	70.8	56.7	85.1
43	27.8	22.6	34.0



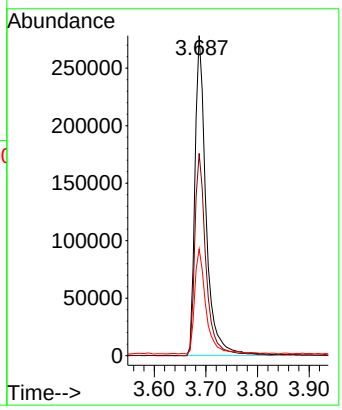


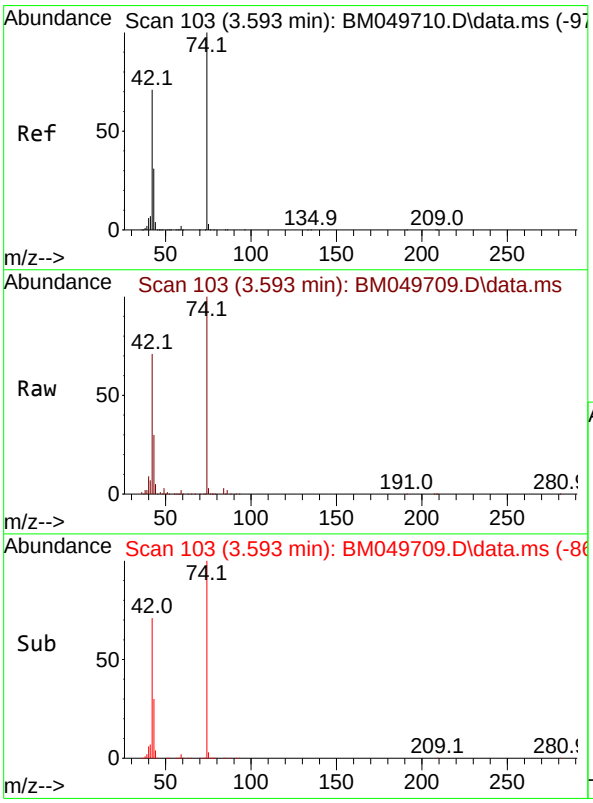
#3
Pyridine
Concen: 20.264 ng
RT: 3.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 416413

Ion	Ratio	Lower	Upper
79	100		
52	63.2	50.1	75.1
51	33.4	25.2	37.8

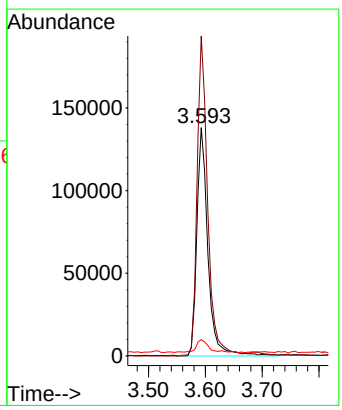


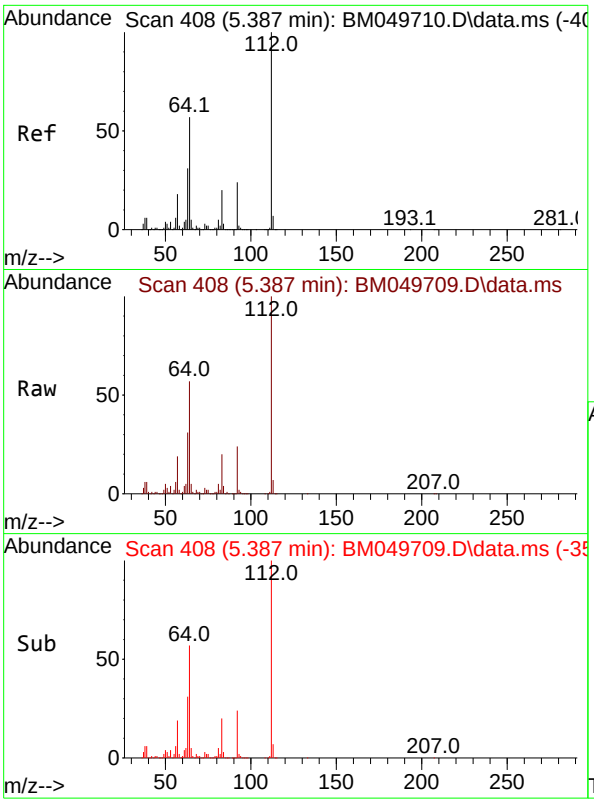


#4
n-Nitrosodimethylamine
Concen: 20.695 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 42 Resp: 187929

Ion	Ratio	Lower	Upper
42	100		
74	140.2	112.6	168.8
44	7.2	5.0	7.6



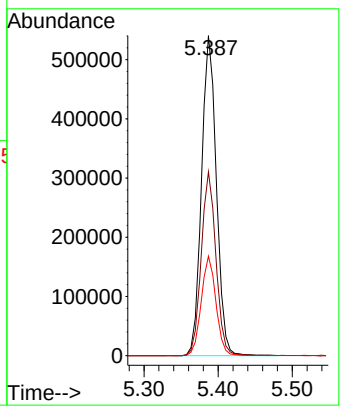


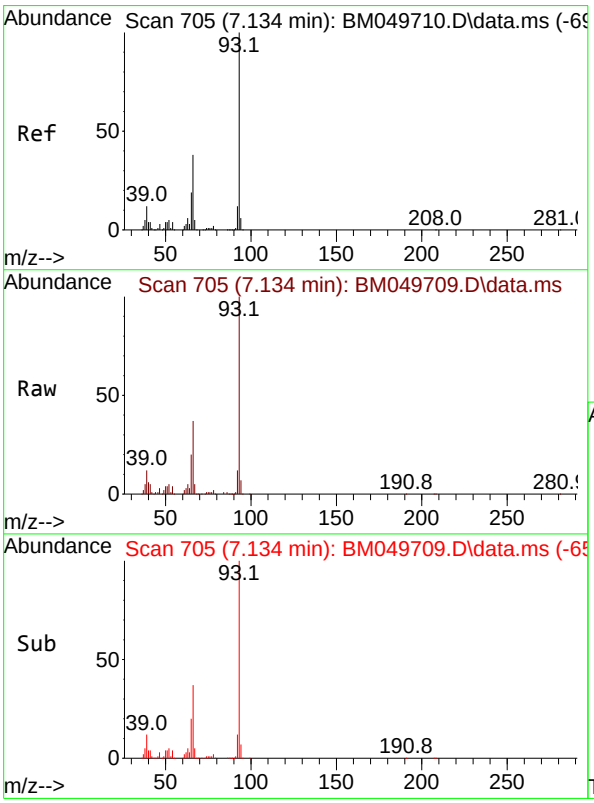
#5
2-Fluorophenol
Concen: 40.519 ng
RT: 5.387 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 752200

Ion	Ratio	Lower	Upper
112	100		
64	57.4	45.3	67.9
63	31.1	24.4	36.6

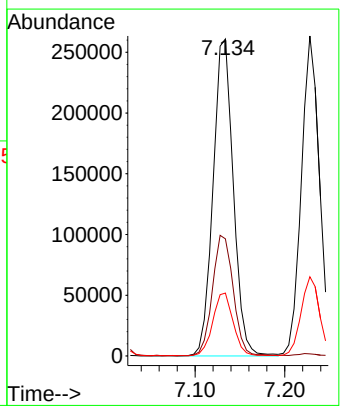


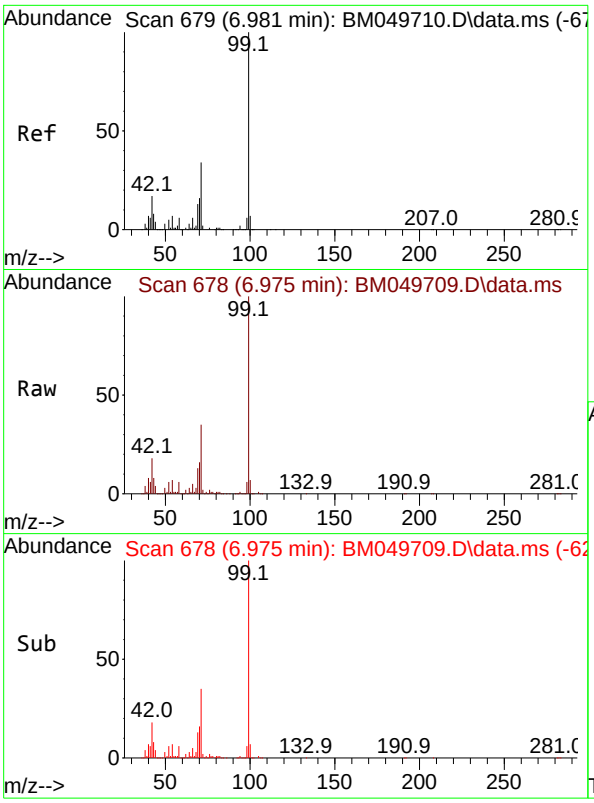


#6
Aniline
Concen: 20.965 ng
RT: 7.134 min Scan# 705
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 93 Resp: 409185

Ion	Ratio	Lower	Upper
93	100		
66	37.0	30.6	46.0
65	19.8	15.4	23.2



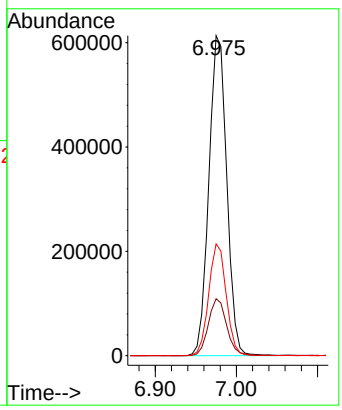


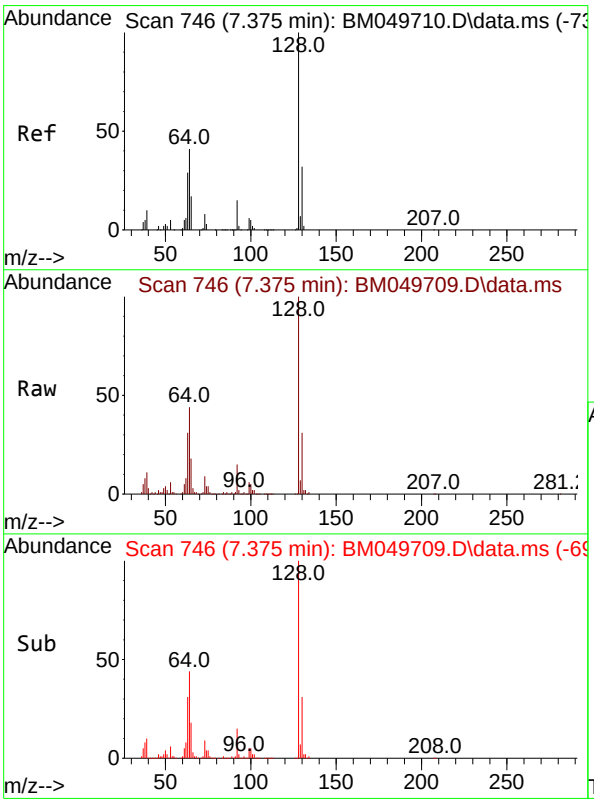
#7
Phenol-d6
Concen: 40.292 ng
RT: 6.975 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 938684

Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.6	20.4
71	35.0	27.0	40.6

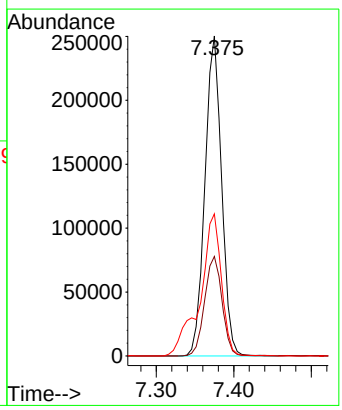


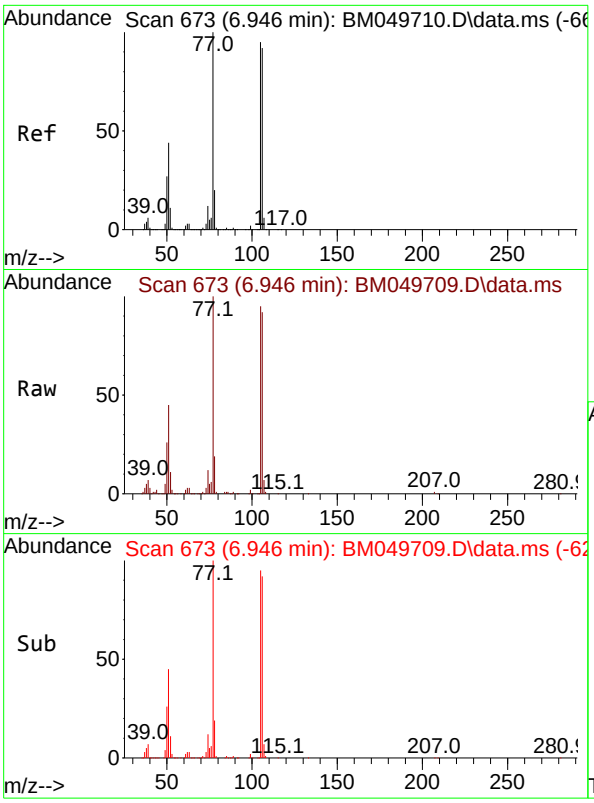


#8
2-Chlorophenol
Concen: 20.324 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:128 Resp: 373637

Ion	Ratio	Lower	Upper
128	100		
130	31.1	12.5	52.5
64	44.4	24.9	64.9



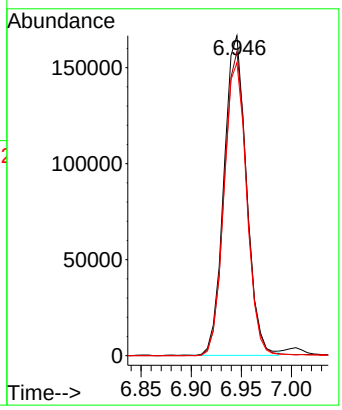


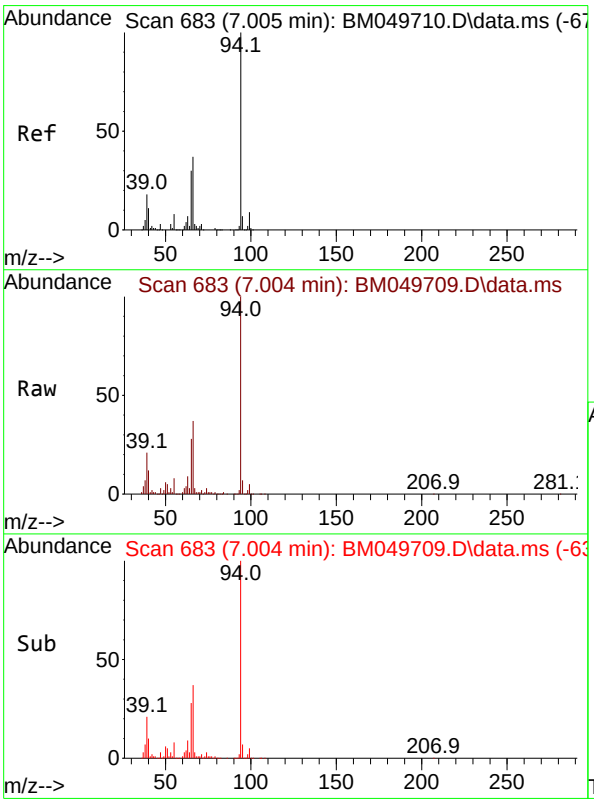
#9
Benzaldehyde
Concen: 22.564 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 259870

Ion	Ratio	Lower	Upper
77	100		
105	95.0	75.0	115.0
106	91.6	72.3	112.3

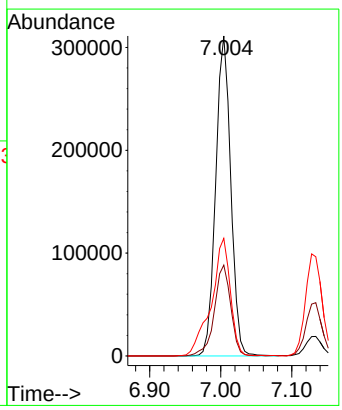


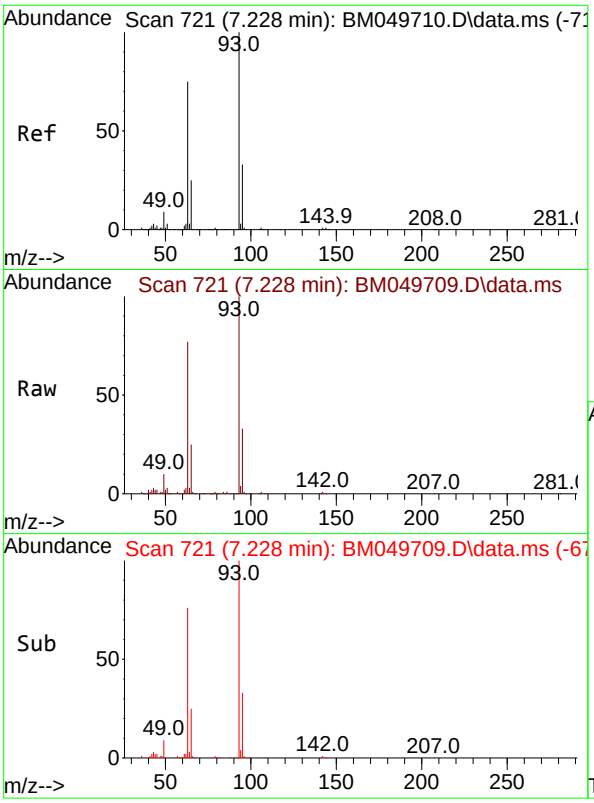


#10
Phenol
Concen: 20.287 ng
RT: 7.004 min Scan# 683
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 94 Resp: 458278

Ion	Ratio	Lower	Upper
94	100		
65	28.4	10.4	50.4
66	36.7	17.1	57.1



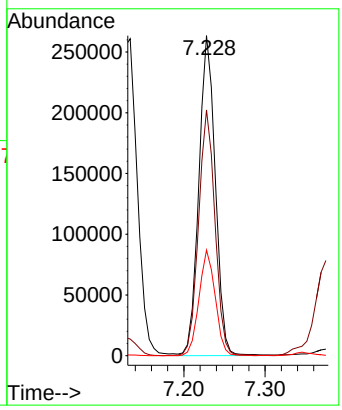


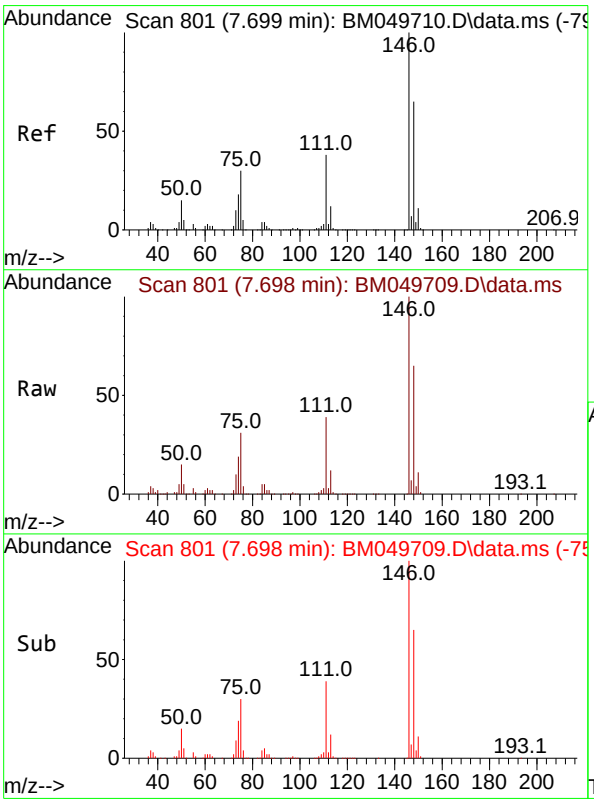
#11
bis(2-Chloroethyl)ether
Concen: 20.364 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 372516

Ion	Ratio	Lower	Upper
93	100		
63	76.8	54.8	94.8
95	33.0	12.8	52.8

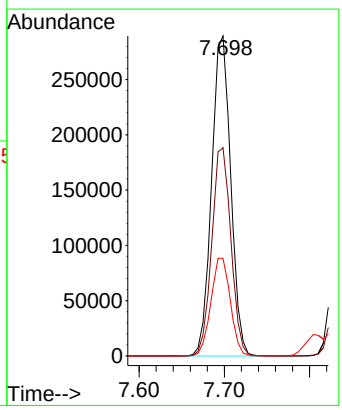


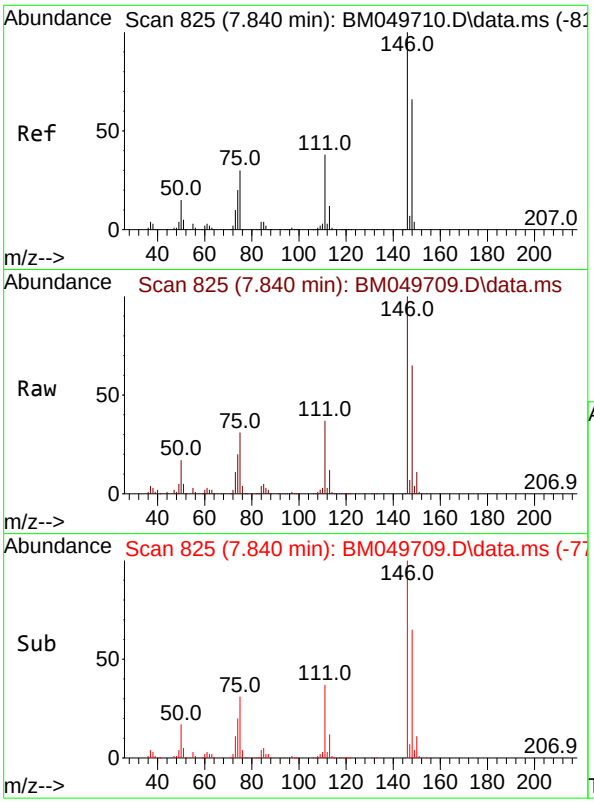


#12
1,3-Dichlorobenzene
Concen: 20.159 ng
RT: 7.698 min Scan# 801
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:146 Resp: 450375

Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.3	78.5
75	30.5	24.2	36.2



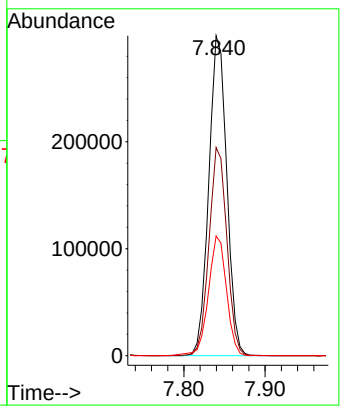


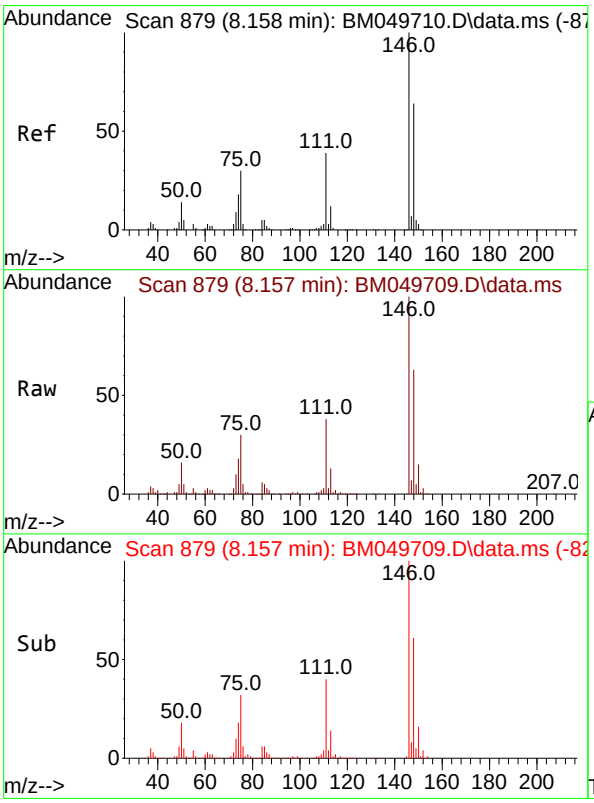
#13
1,4-Dichlorobenzene
Concen: 20.429 ng
RT: 7.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 460432

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.6	79.0
111	37.4	30.8	46.2

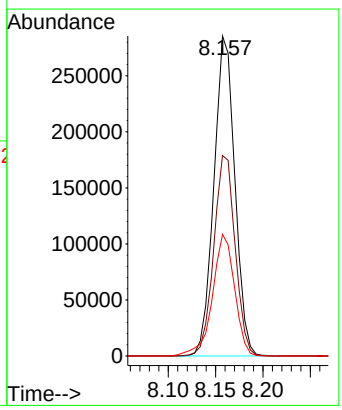


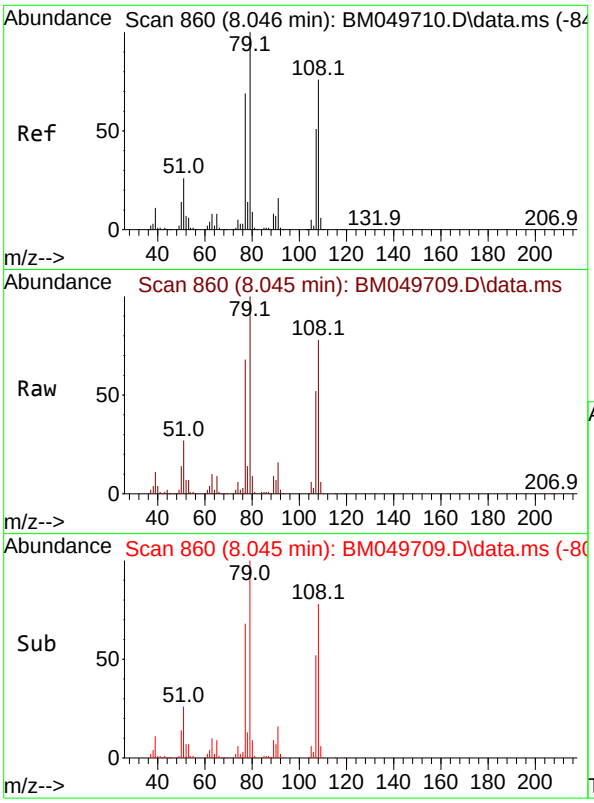


#14
1,2-Dichlorobenzene
Concen: 20.546 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:146 Resp: 440083

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.9	76.3
111	38.0	31.0	46.6



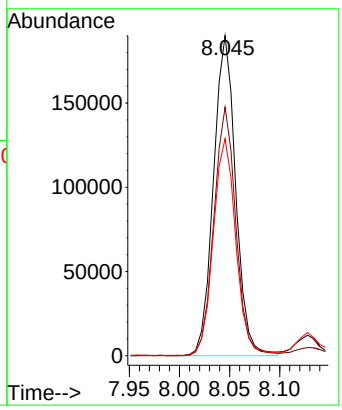


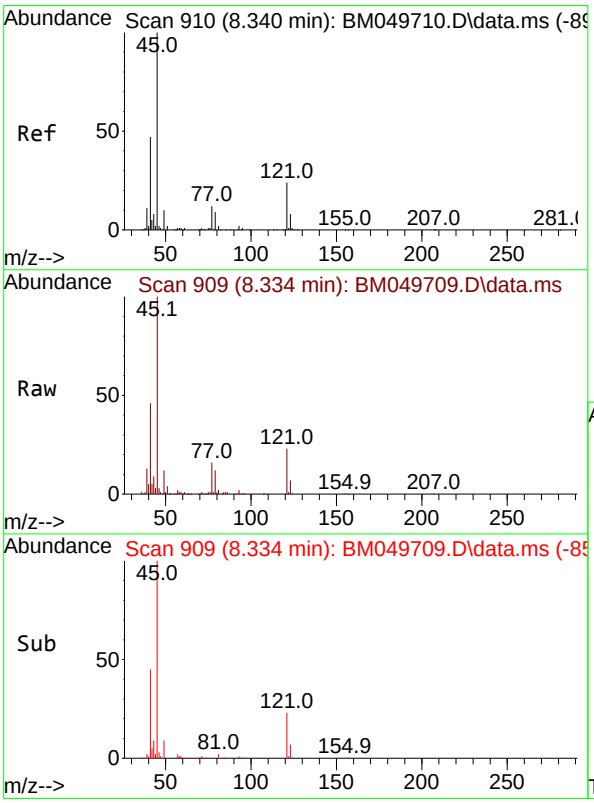
#15
Benzyl Alcohol
Concen: 19.972 ng
RT: 8.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 291985

Ion	Ratio	Lower	Upper
79	100		
108	77.7	60.7	91.1
77	67.8	55.4	83.2

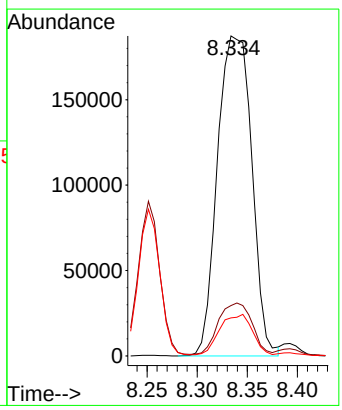


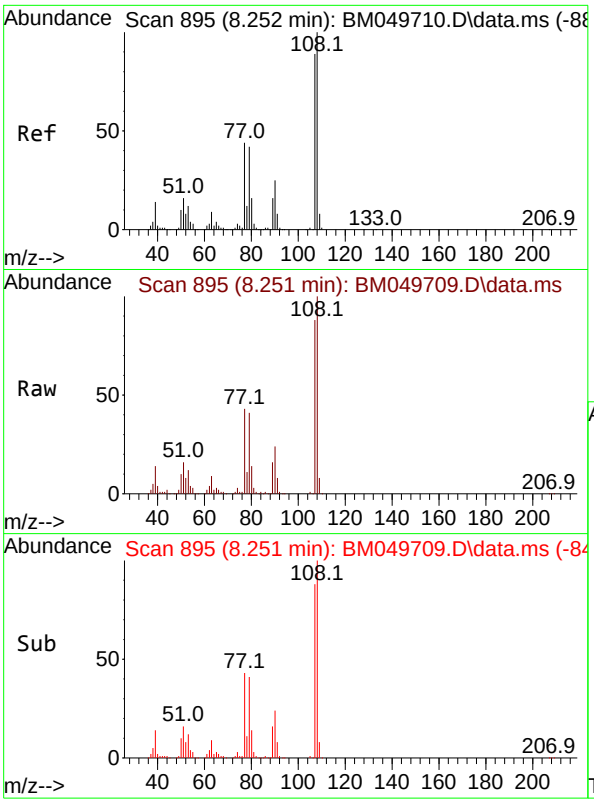


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.767 ng
RT: 8.334 min Scan# 909
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 45 Resp: 446479

Ion	Ratio	Lower	Upper
45	100		
77	15.8	0.0	36.1
79	11.9	0.0	32.8



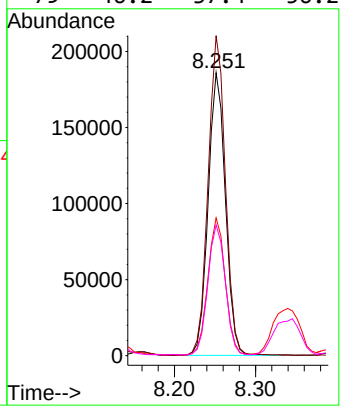


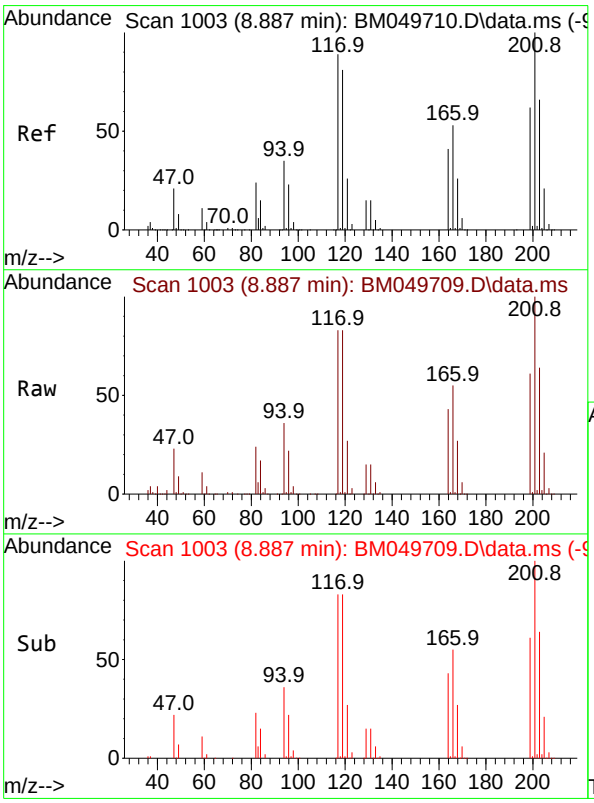
#17
2-Methylphenol
Concen: 20.463 ng
RT: 8.251 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 274444

Ion	Ratio	Lower	Upper
107	100		
108	113.1	89.6	134.4
77	48.7	39.8	59.6
79	46.2	37.4	56.2

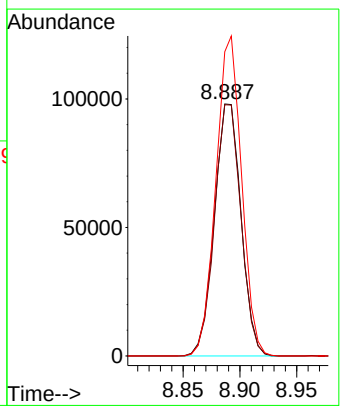


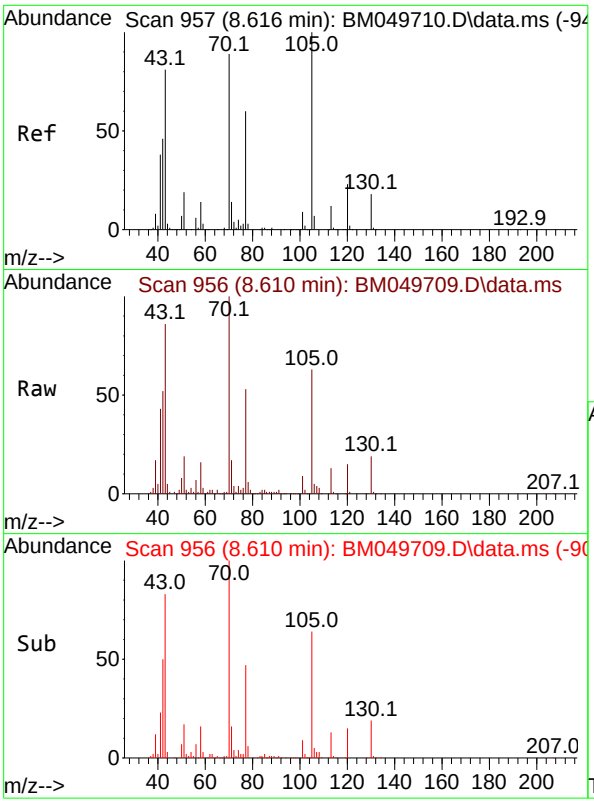


#18
Hexachloroethane
Concen: 20.141 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:117 Resp: 160305

Ion	Ratio	Lower	Upper
117	100		
119	99.7	73.1	109.7
201	120.7	90.0	135.0



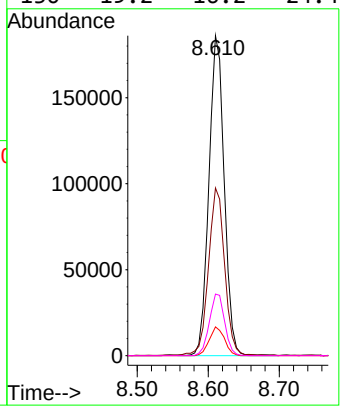


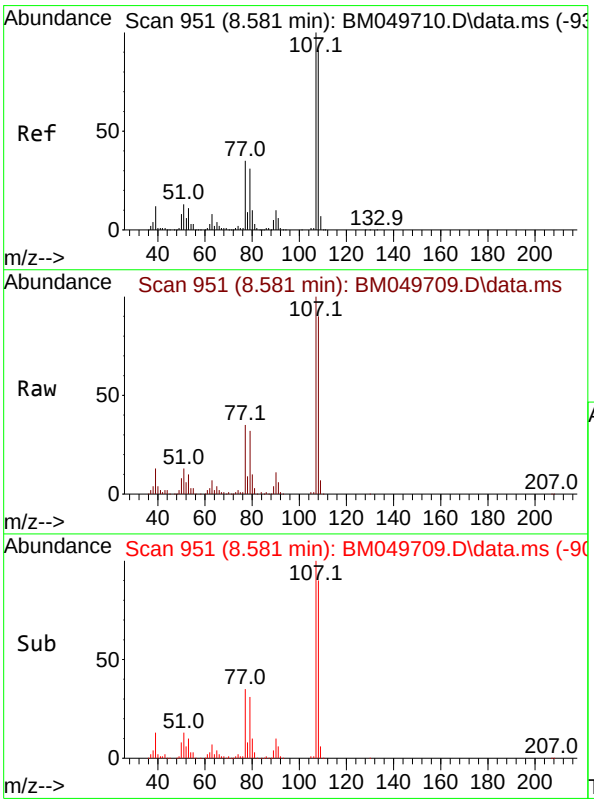
#19
n-Nitroso-di-n-propylamine
Concen: 20.673 ng
RT: 8.610 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 279276

Ion	Ratio	Lower	Upper
70	100		
42	52.4	41.8	62.6
101	9.0	7.7	11.5
130	19.2	16.2	24.4

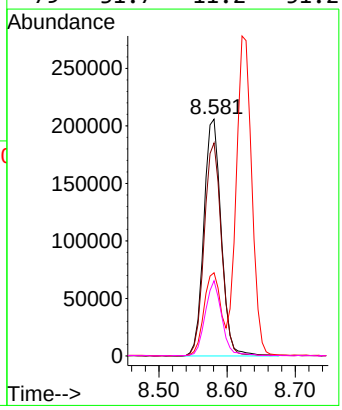


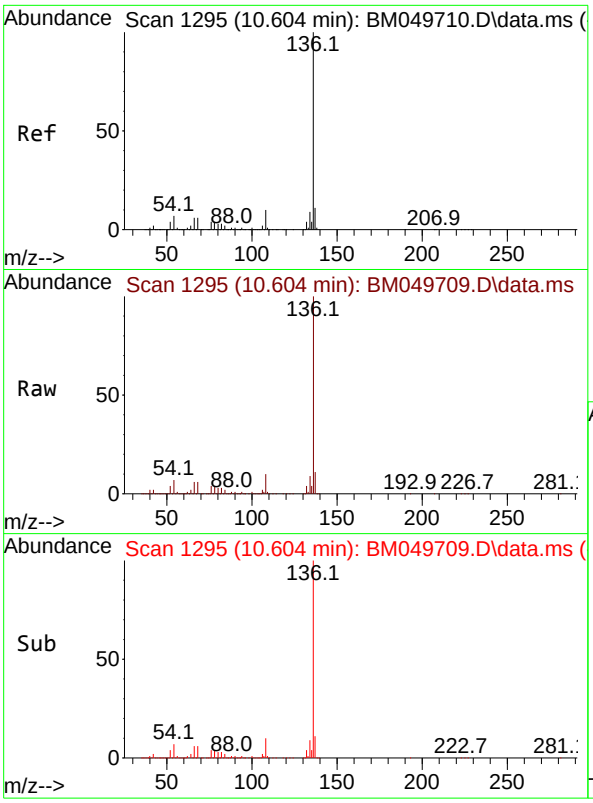


#20
3+4-Methylphenols
Concen: 20.356 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:107 Resp: 365852

Ion	Ratio	Lower	Upper
107	100		
108	90.0	71.0	111.0
77	35.1	15.1	55.1
79	31.7	11.2	51.2



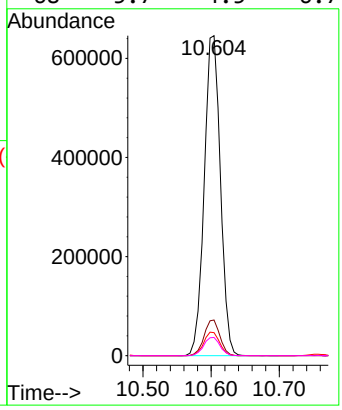


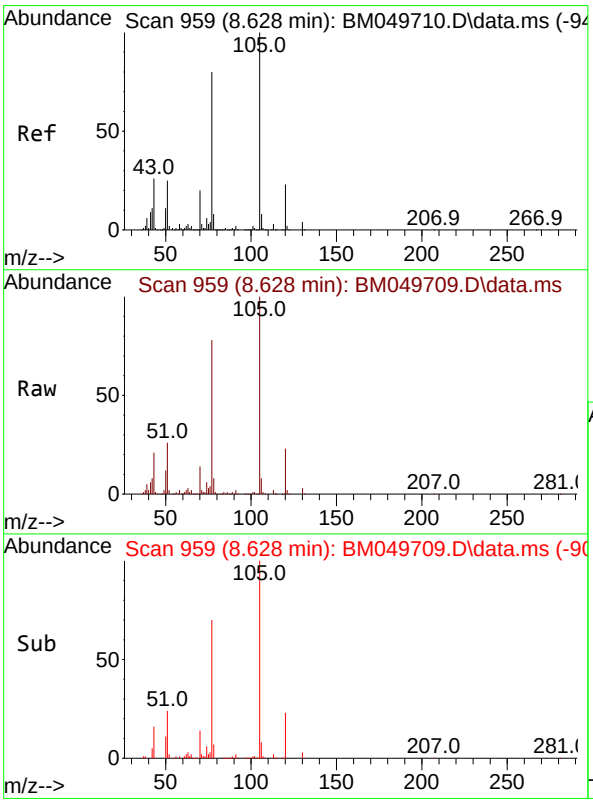
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1063554

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	7.2	5.8	8.8
68	5.7	4.5	6.7

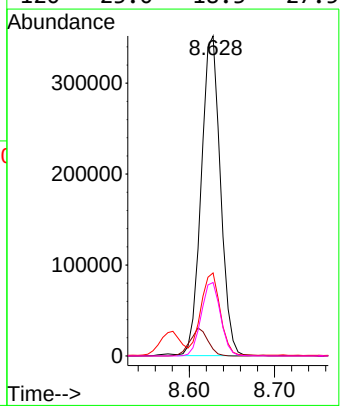


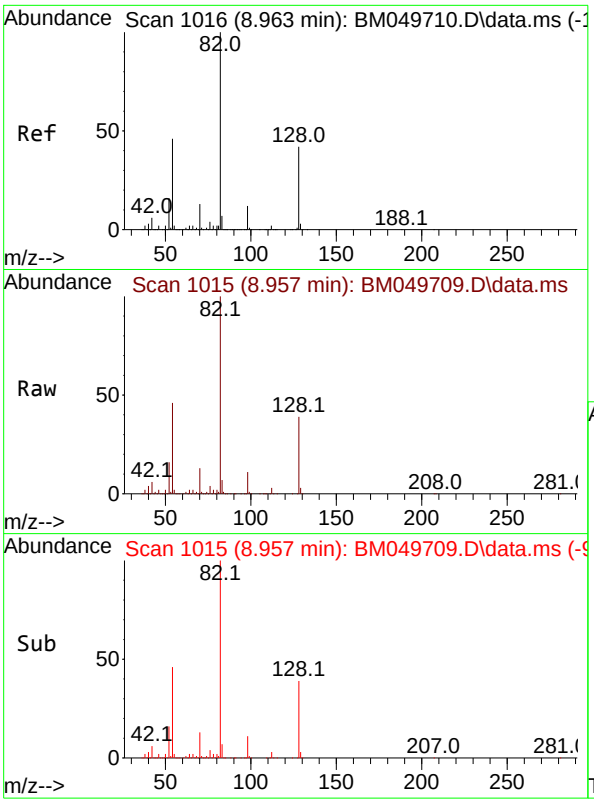


#22
Acetophenone
Concen: 20.031 ng
RT: 8.628 min Scan# 959
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:105 Resp: 549310

Ion	Ratio	Lower	Upper
105	100		
71	2.2	2.5	3.7#
51	25.9	19.9	29.9
120	23.0	18.3	27.5



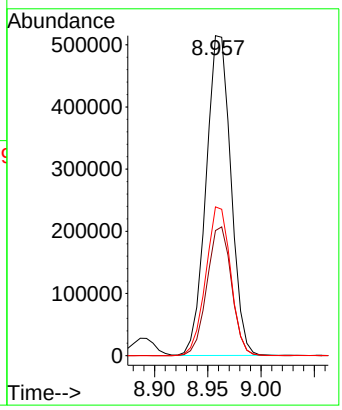


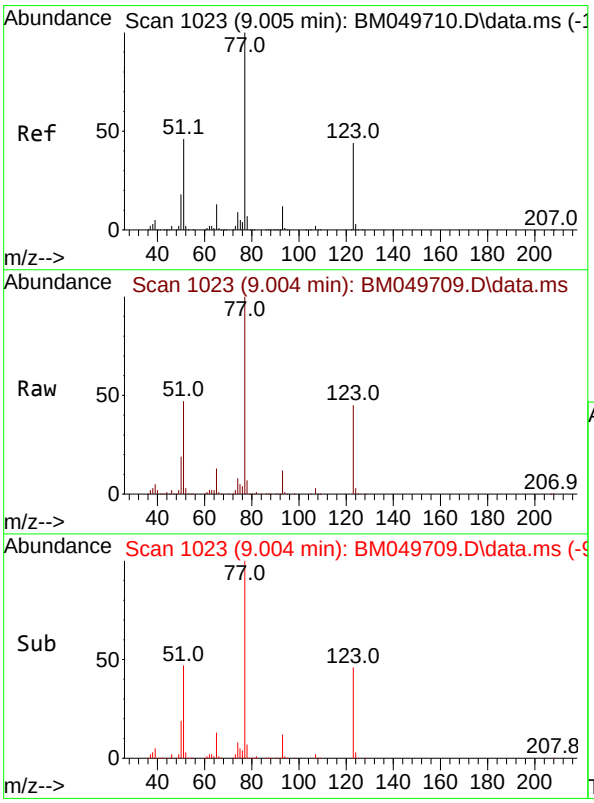
#23
Nitrobenzene-d5
Concen: 40.268 ng
RT: 8.957 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 834165

Ion	Ratio	Lower	Upper
82	100		
128	39.1	33.4	50.0
54	46.5	36.4	54.6

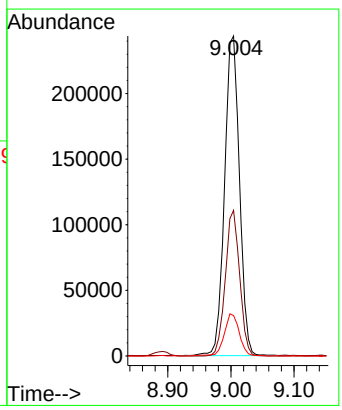


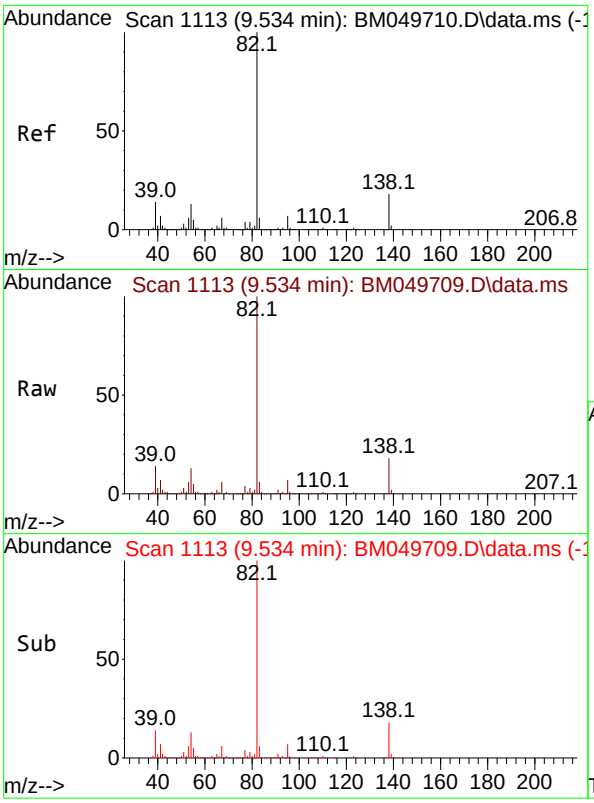


#24
Nitrobenzene
Concen: 20.420 ng
RT: 9.004 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 77 Resp: 398868

Ion	Ratio	Lower	Upper
77	100		
123	45.5	34.9	52.3
65	12.7	10.6	15.8



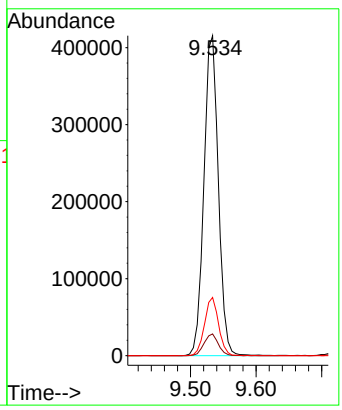


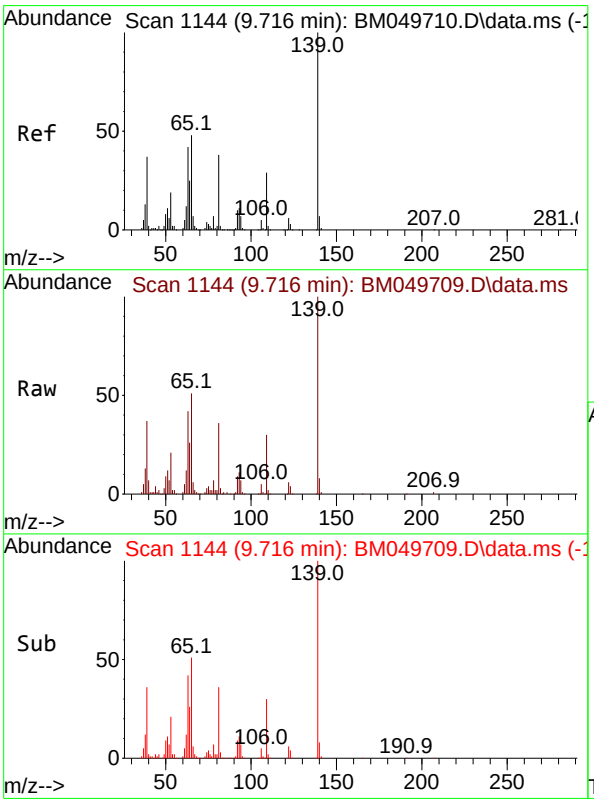
#25
Isophorone
Concen: 20.020 ng
RT: 9.534 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 636755

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	18.2	14.4	21.6

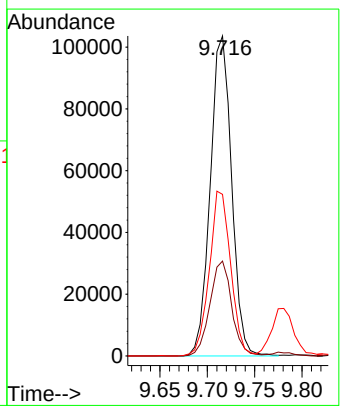


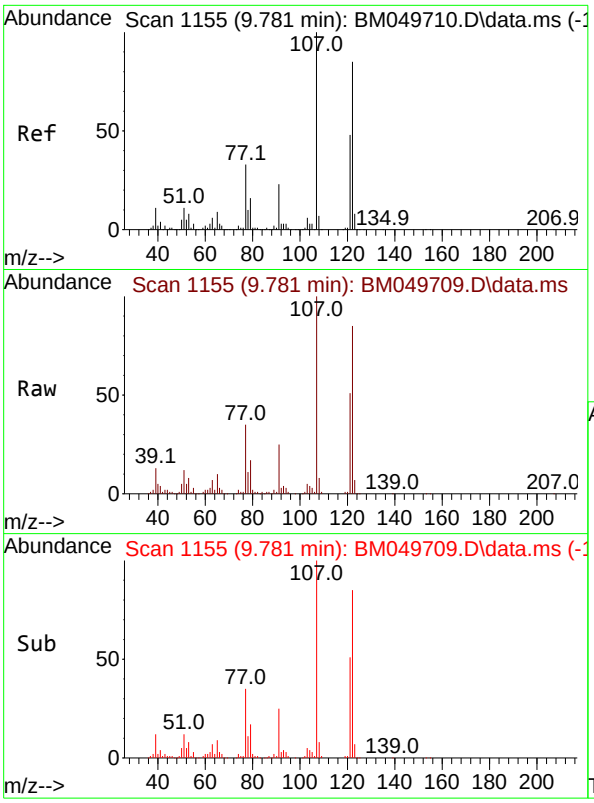


#26
2-Nitrophenol
Concen: 19.534 ng
RT: 9.716 min Scan# 1144
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:139 Resp: 162399

Ion	Ratio	Lower	Upper
139	100		
109	29.7	23.3	34.9
65	50.5	38.6	58.0



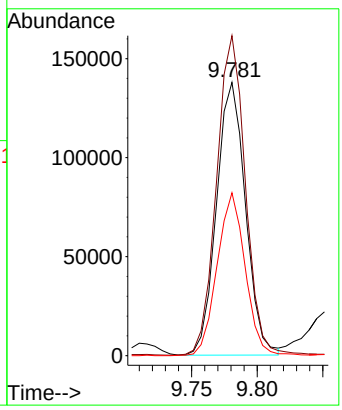


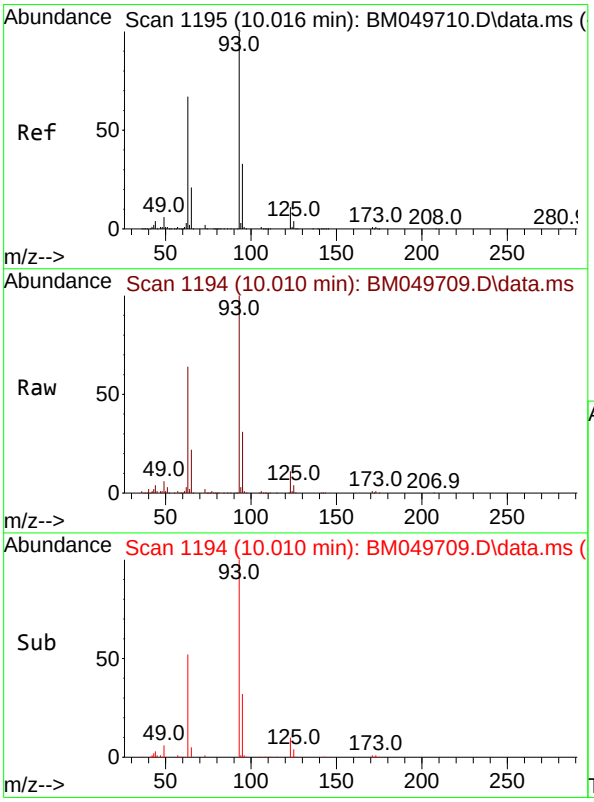
#27
2,4-Dimethylphenol
Concen: 20.023 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 211884

Ion	Ratio	Lower	Upper
122	100		
107	117.1	94.3	141.5
121	59.6	45.4	68.2

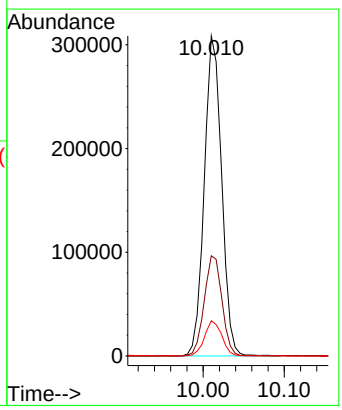


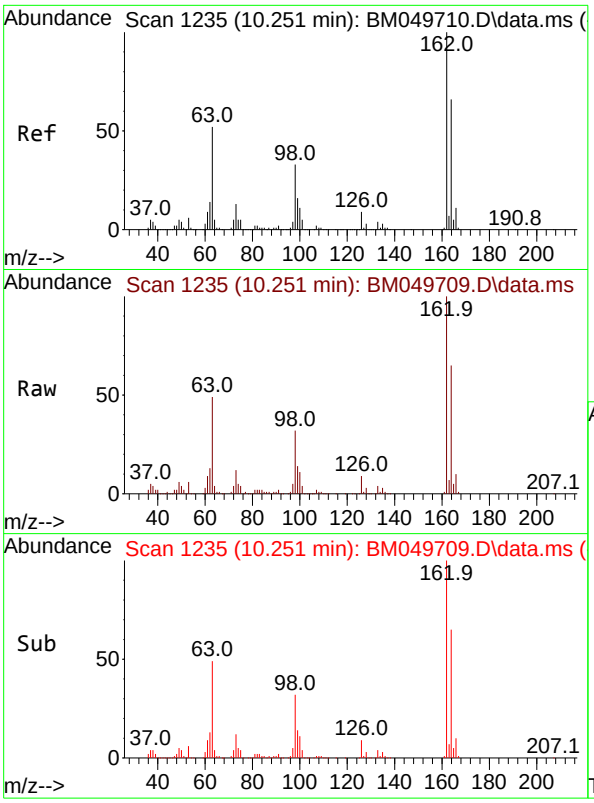


#28
bis(2-Chloroethoxy)methane
Concen: 20.407 ng
RT: 10.010 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 93 Resp: 457141

Ion	Ratio	Lower	Upper
93	100		
95	31.3	26.6	40.0
123	11.0	9.0	13.6



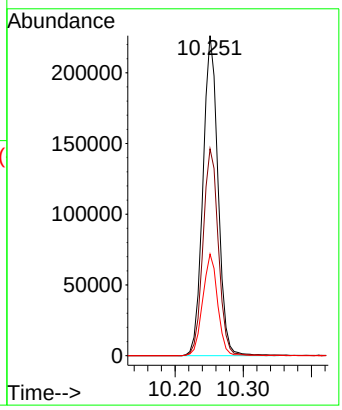


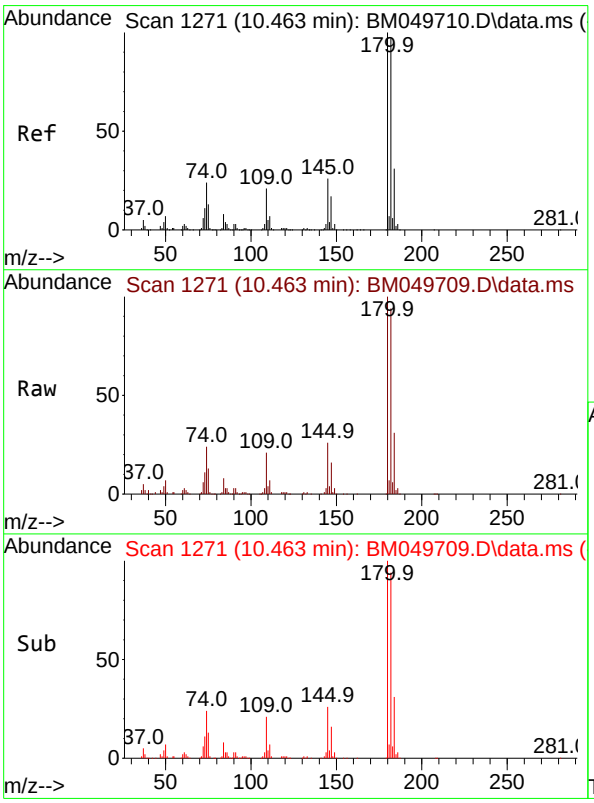
#29
2,4-Dichlorophenol
Concen: 20.208 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 348455

Ion	Ratio	Lower	Upper
162	100		
164	64.7	46.3	86.3
98	31.8	12.8	52.8

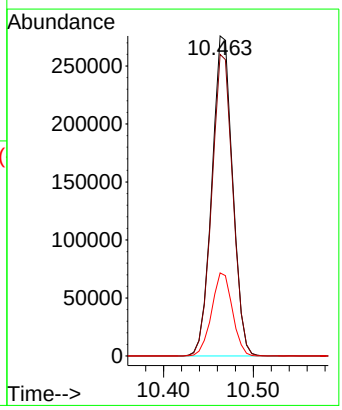


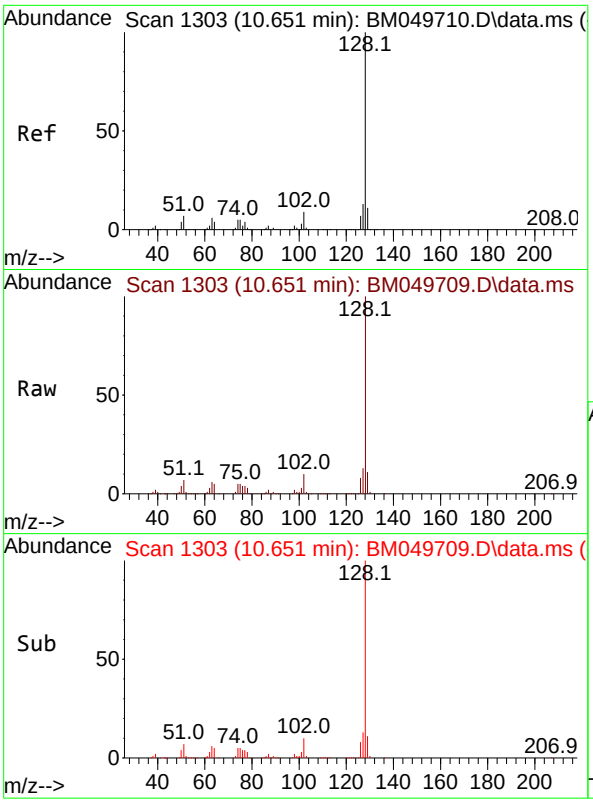


#30
1,2,4-Trichlorobenzene
Concen: 20.513 ng
RT: 10.463 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:180 Resp: 442553

Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.7	116.5
145	26.0	21.0	31.4



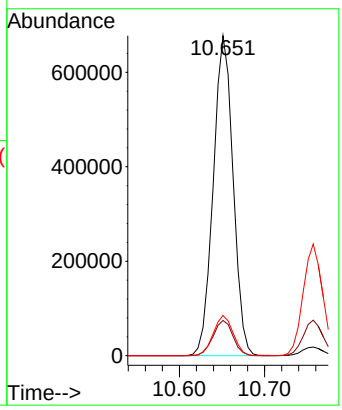


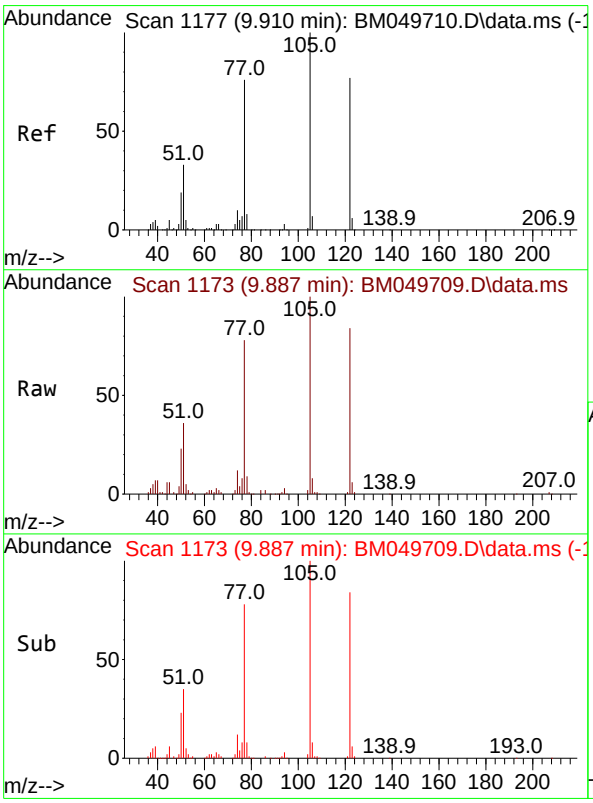
#31
Naphthalene
Concen: 20.012 ng
RT: 10.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1094433

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	12.6	10.4	15.6

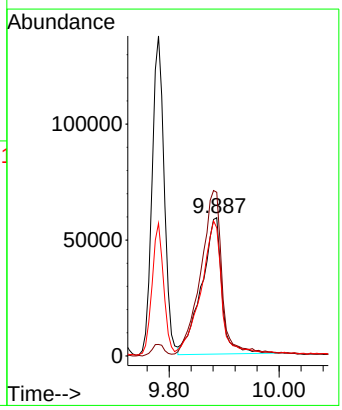


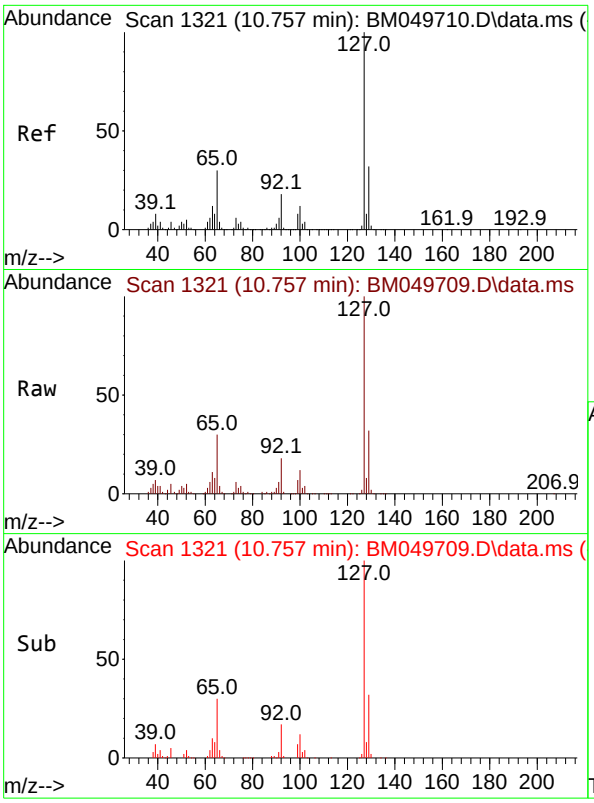


#32
Benzoic acid
Concen: 16.977 ng
RT: 9.887 min Scan# 1173
Delta R.T. -0.023 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:122 Resp: 152840

Ion	Ratio	Lower	Upper
122	100		
105	118.3	105.6	145.6
77	92.7	76.9	116.9



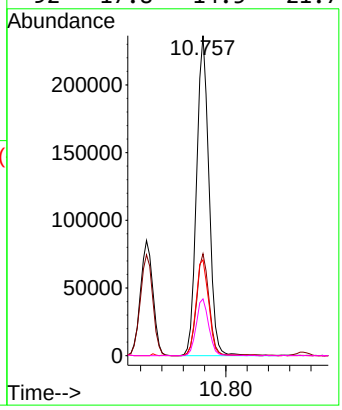


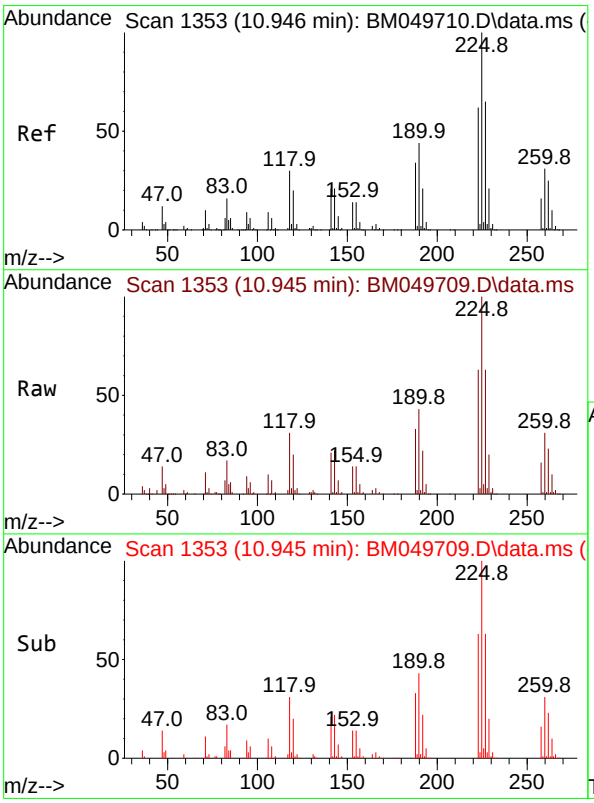
#33
4-Chloroaniline
Concen: 20.480 ng
RT: 10.757 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 382245

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.7	38.5
65	30.0	24.1	36.1
92	17.8	14.5	21.7

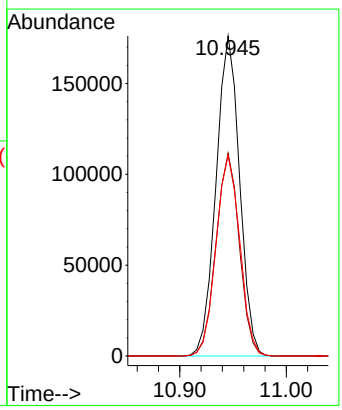


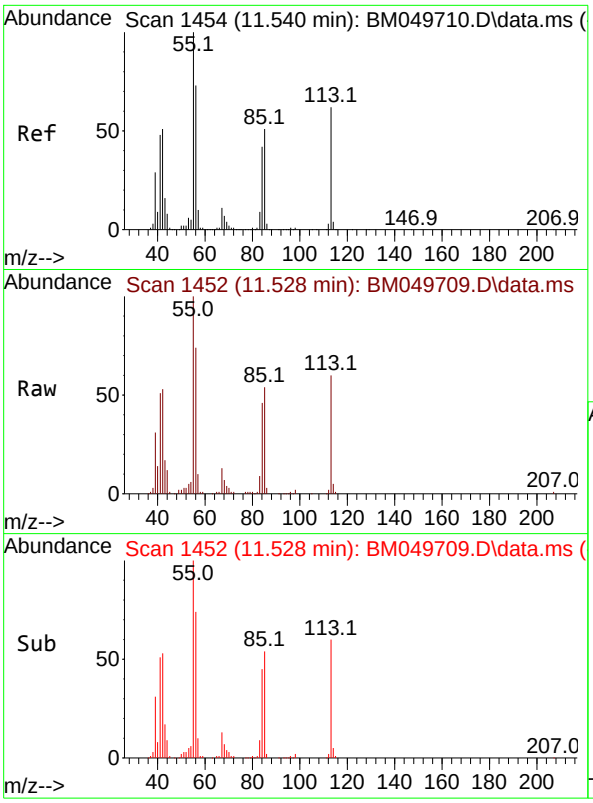


#34
Hexachlorobutadiene
Concen: 20.294 ng
RT: 10.945 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:225 Resp: 270278

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.8	74.8
227	62.5	52.1	78.1



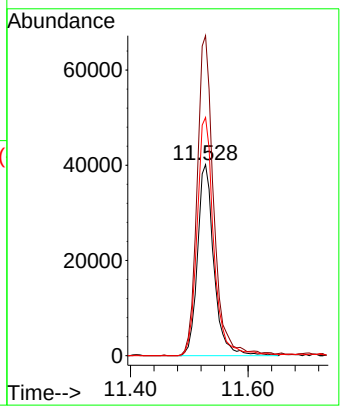


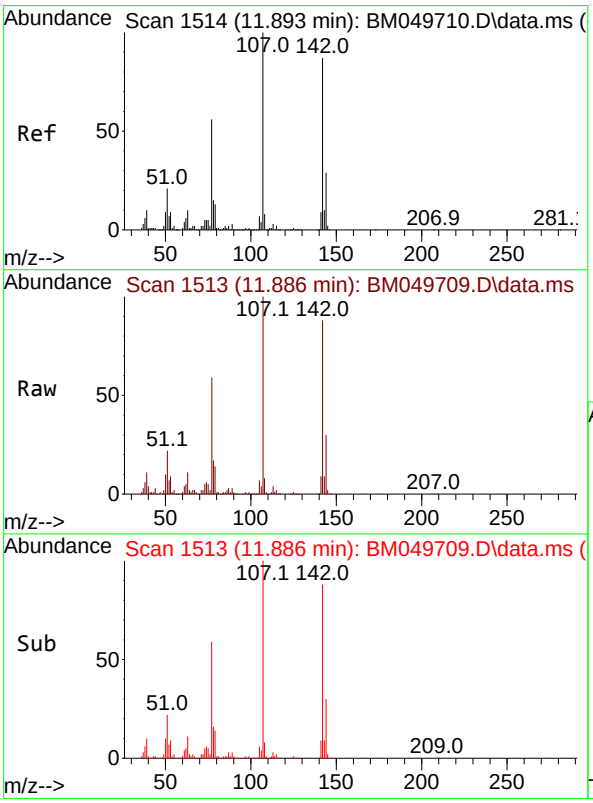
#35
Caprolactam
Concen: 19.446 ng
RT: 11.528 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 77852

Ion	Ratio	Lower	Upper
113	100		
55	167.6	141.8	181.8
56	124.7	98.0	138.0

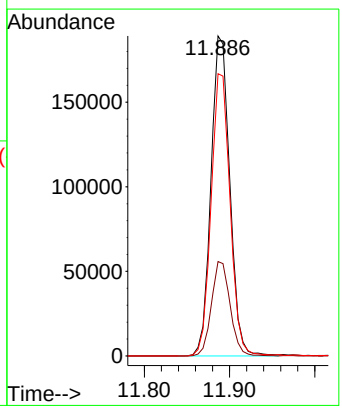


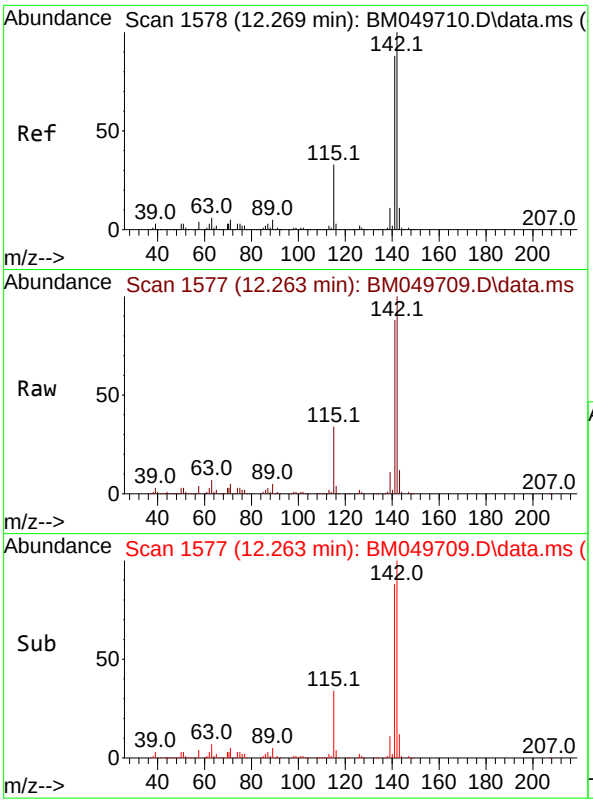


#36
4-Chloro-3-methylphenol
Concen: 19.602 ng
RT: 11.886 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:107 Resp: 290072

Ion	Ratio	Lower	Upper
107	100		
144	29.5	23.0	34.6
142	88.2	69.8	104.8



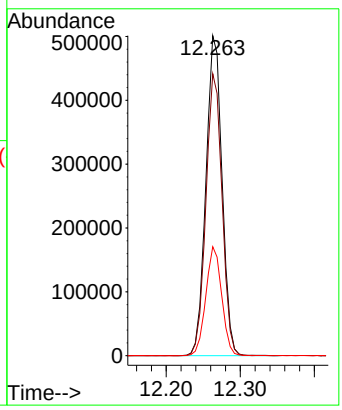


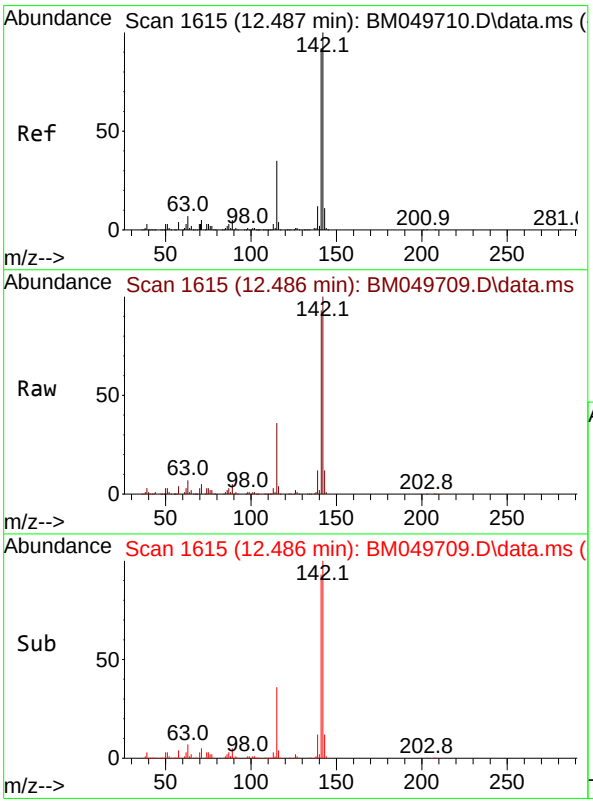
#37
2-Methylnaphthalene
Concen: 19.837 ng
RT: 12.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 758592

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.5	105.7
115	34.1	26.5	39.7

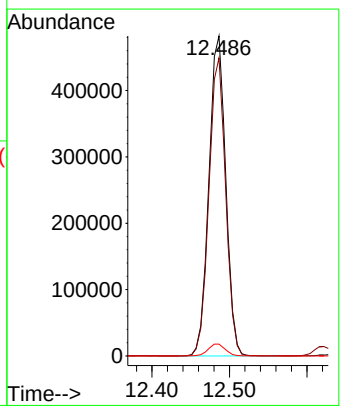


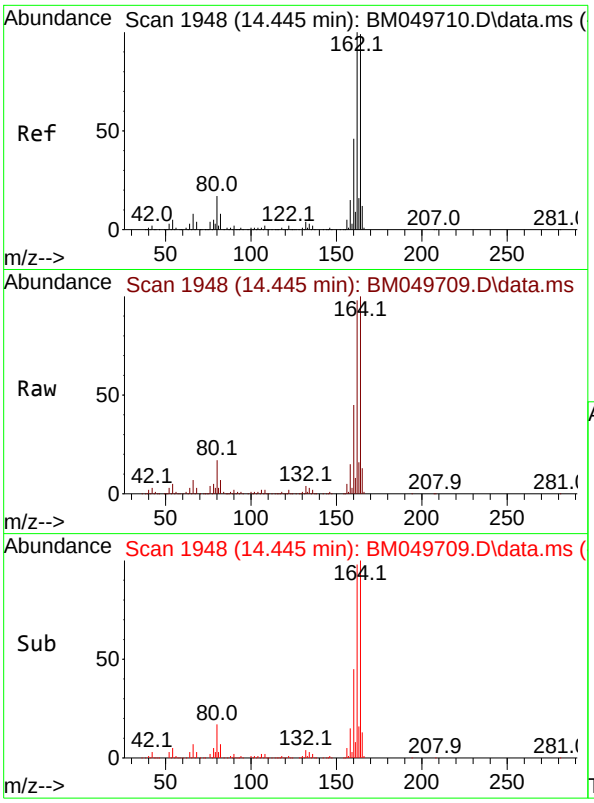


#38
1-Methylnaphthalene
Concen: 19.727 ng
RT: 12.486 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:142 Resp: 727810

Ion	Ratio	Lower	Upper
142	100		
141	93.2	73.4	110.2
116	3.7	2.8	4.2



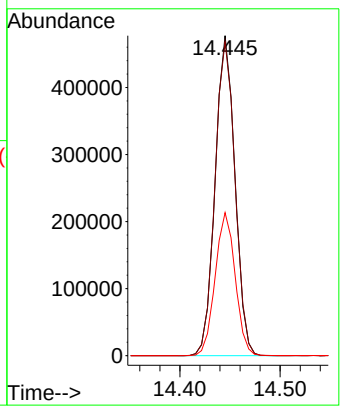


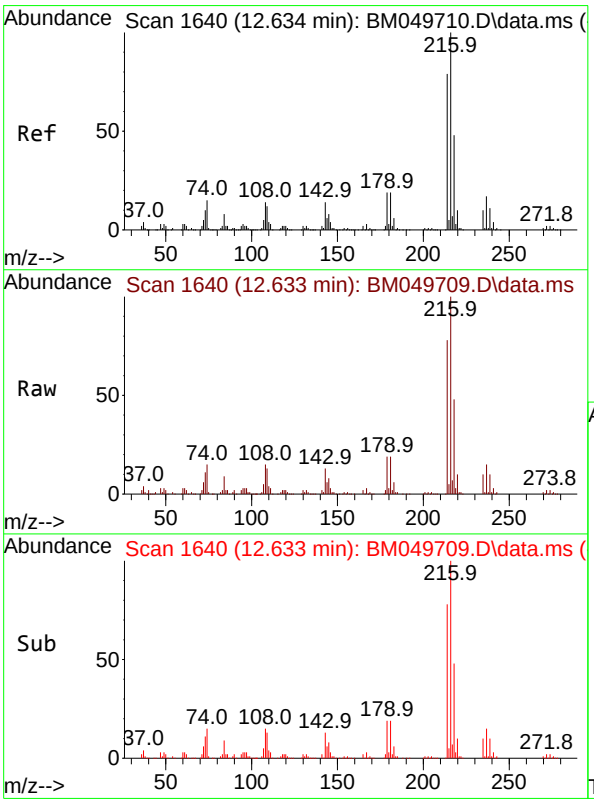
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 653236

Ion	Ratio	Lower	Upper
164	100		
162	98.2	80.5	120.7
160	44.7	36.9	55.3

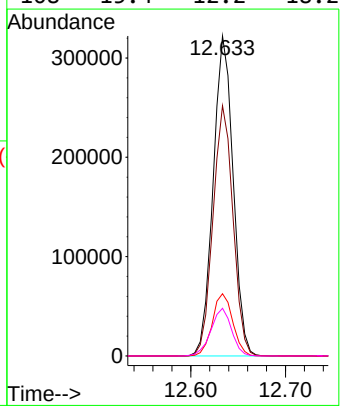


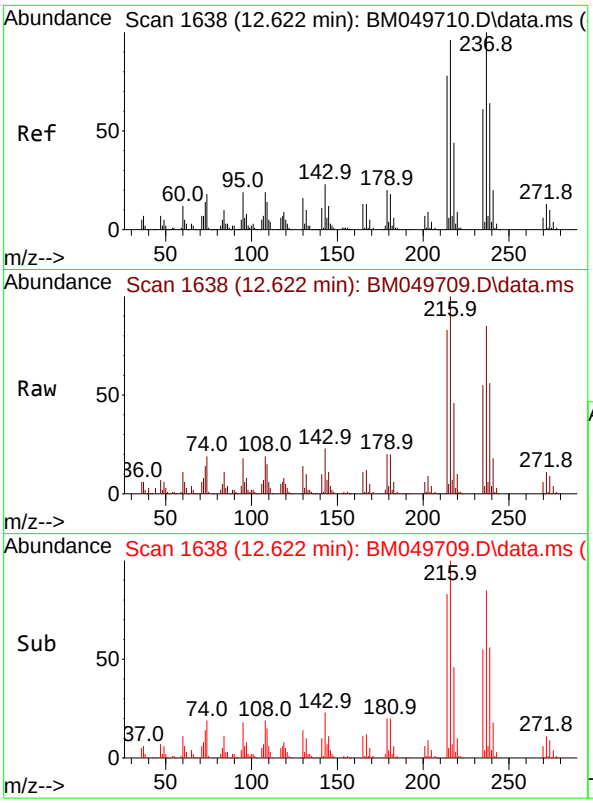


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.699 ng
RT: 12.633 min Scan# 1640
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:216 Resp: 472680

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.5	95.3
179	19.9	15.7	23.5
108	15.4	12.2	18.2



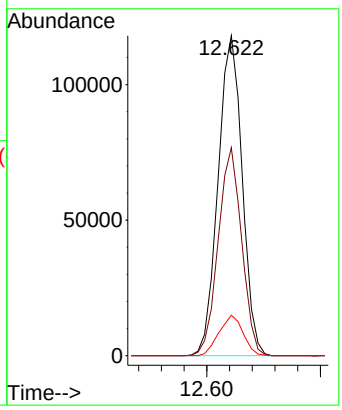


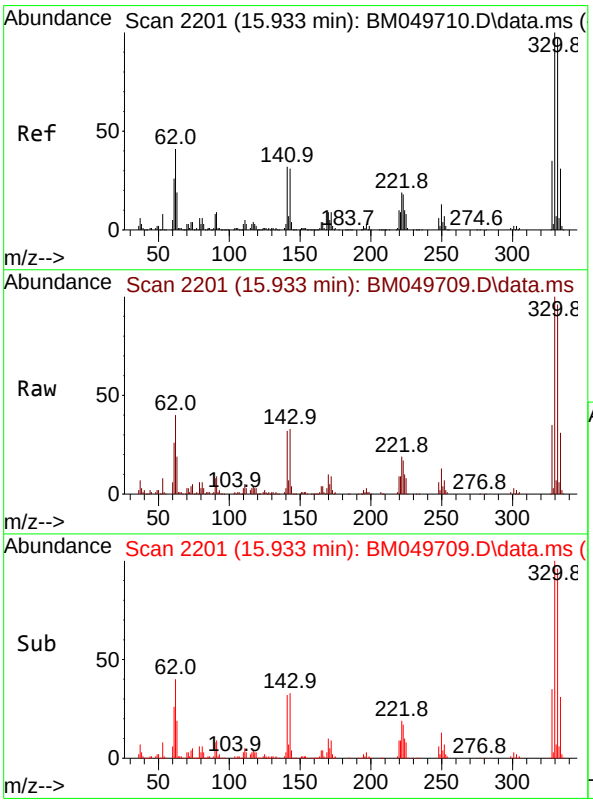
#41
Hexachlorocyclopentadiene
Concen: 19.550 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 173785

Ion	Ratio	Lower	Upper
237	100		
235	65.0	41.1	81.1
272	12.6	0.0	32.5

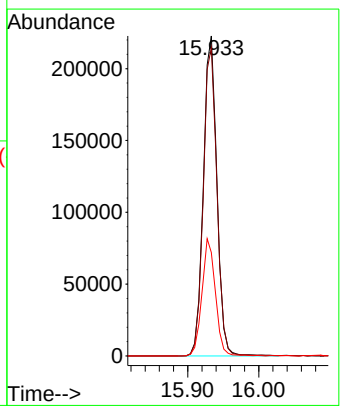


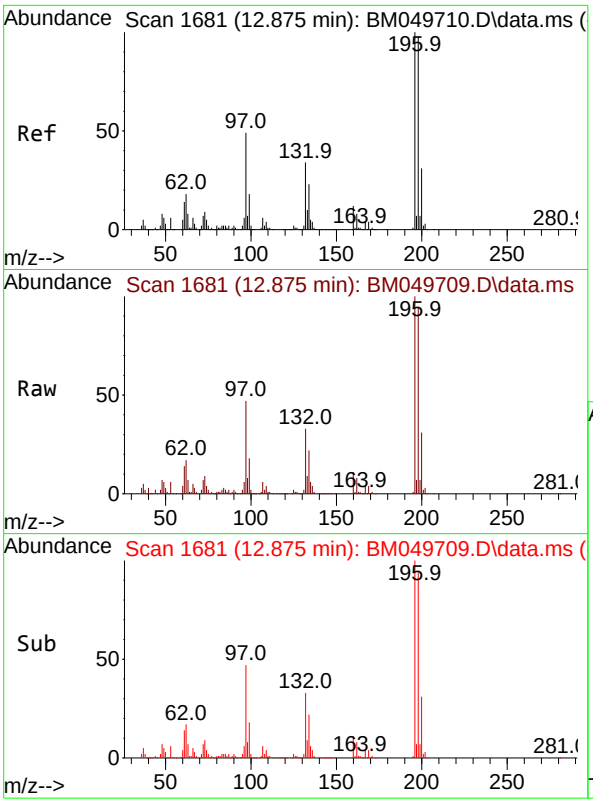


#42
2,4,6-Tribromophenol
Concen: 38.742 ng
RT: 15.933 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:330 Resp: 295521

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.4
141	36.5	27.8	41.6



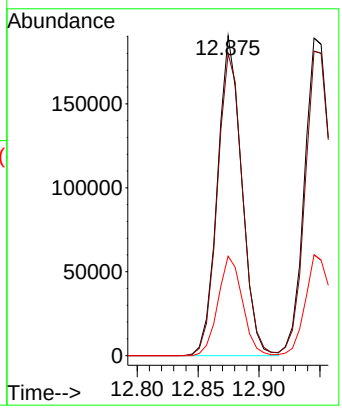


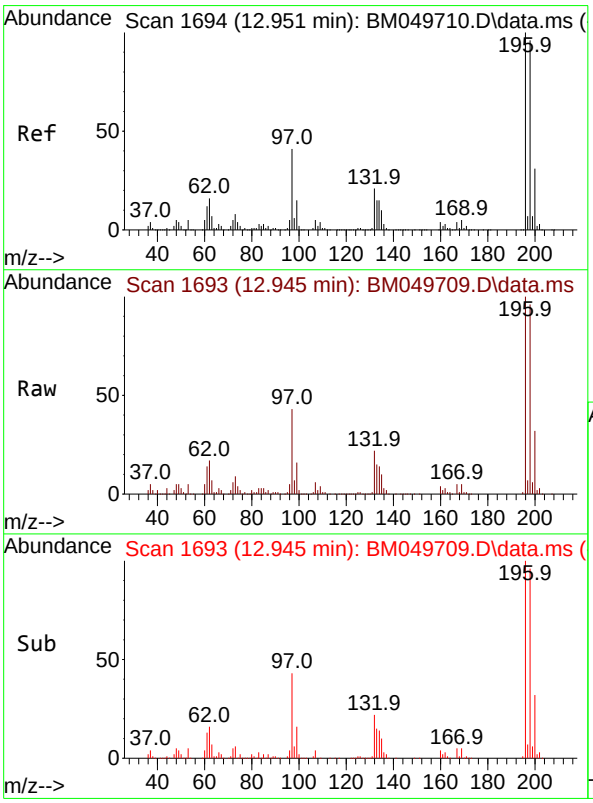
#43
2,4,6-Trichlorophenol
Concen: 19.647 ng
RT: 12.875 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 264033

Ion	Ratio	Lower	Upper
196	100		
198	94.4	78.3	117.5
200	31.1	25.1	37.7

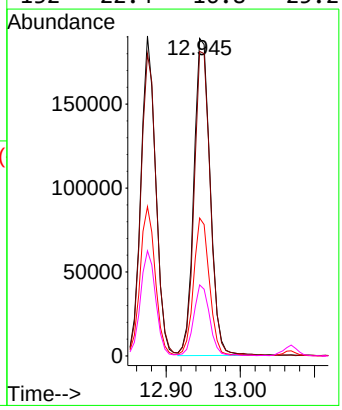


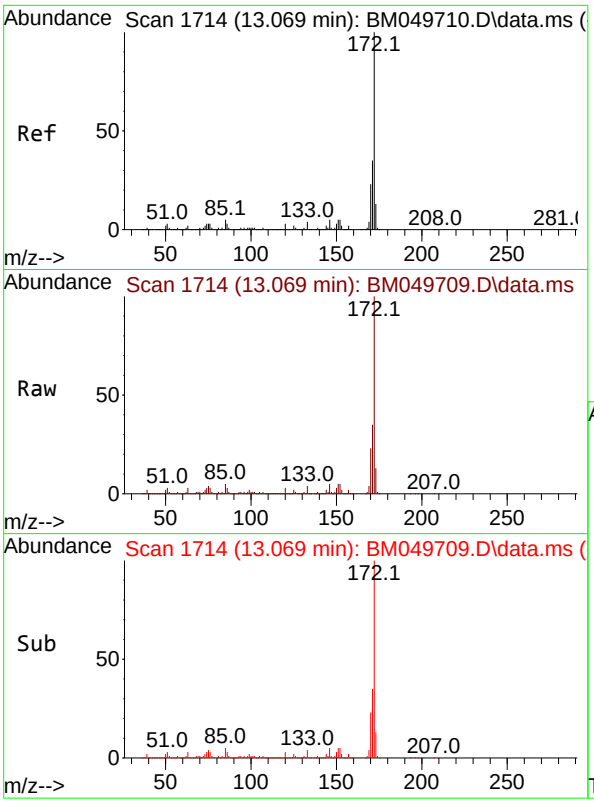


#44
2,4,5-Trichlorophenol
Concen: 19.723 ng
RT: 12.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:196 Resp: 289238

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.7	115.1
97	43.5	32.9	49.3
132	22.4	16.8	25.2



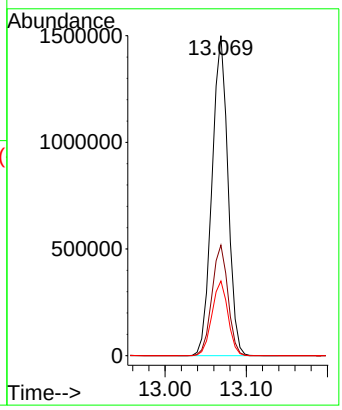


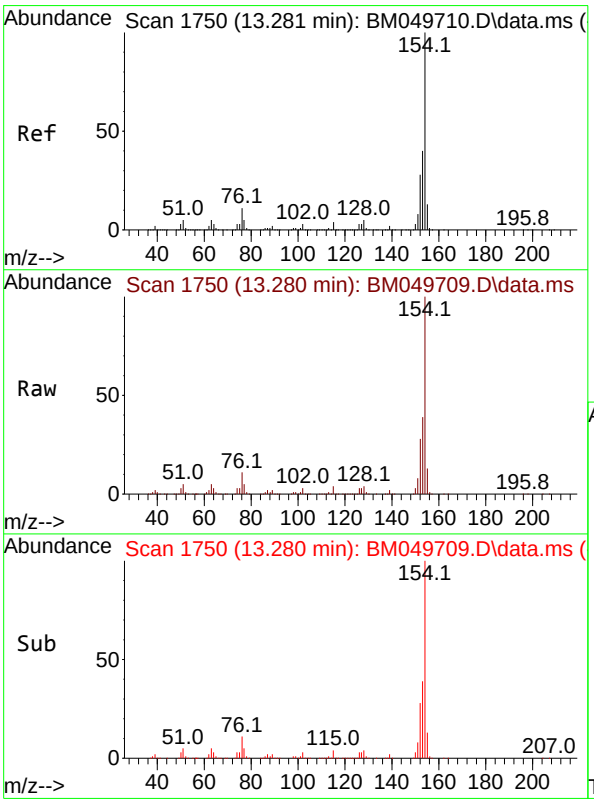
#45
2-Fluorobiphenyl
Concen: 39.155 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 2042299

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.9	41.9
170	23.3	18.6	28.0

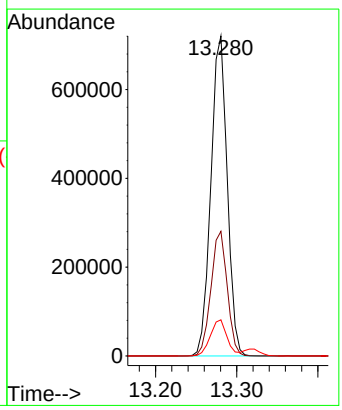


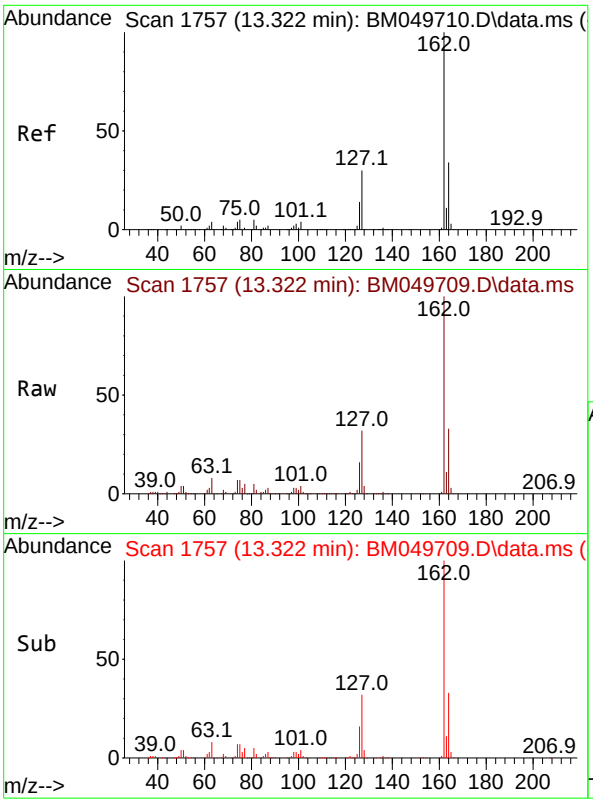


#46
1,1'-Biphenyl
Concen: 19.963 ng
RT: 13.280 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:154 Resp: 1005064

Ion	Ratio	Lower	Upper
154	100		
153	38.9	19.7	59.7
76	11.3	0.0	31.2



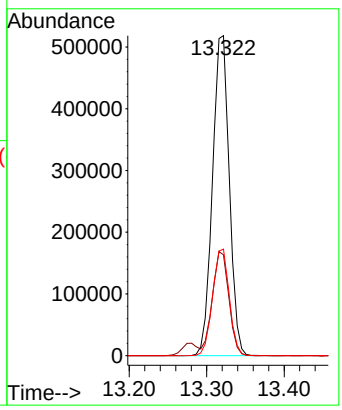


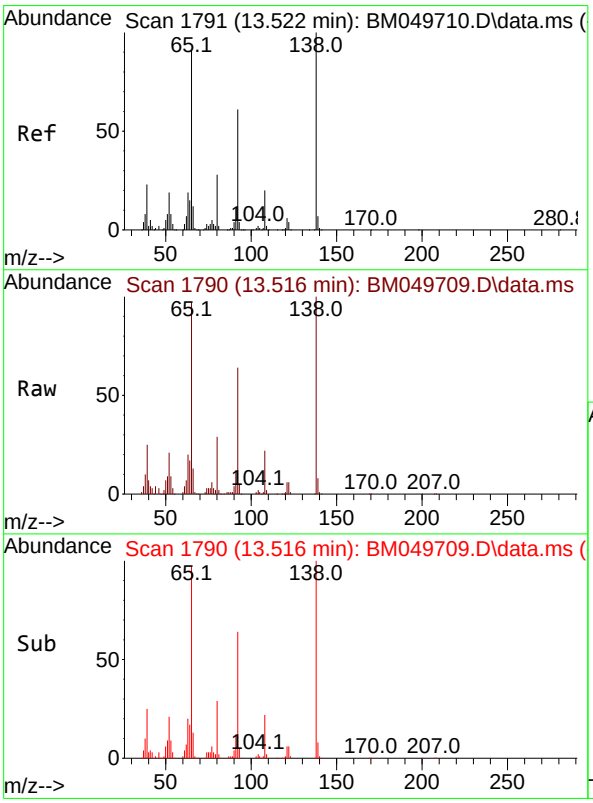
#47
2-Chloronaphthalene
Concen: 19.898 ng
RT: 13.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 779763

Ion	Ratio	Lower	Upper
162	100		
127	31.5	25.8	38.6
164	33.3	27.1	40.7

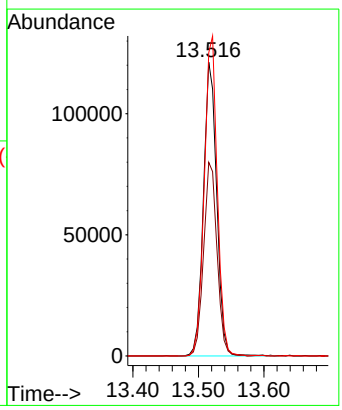


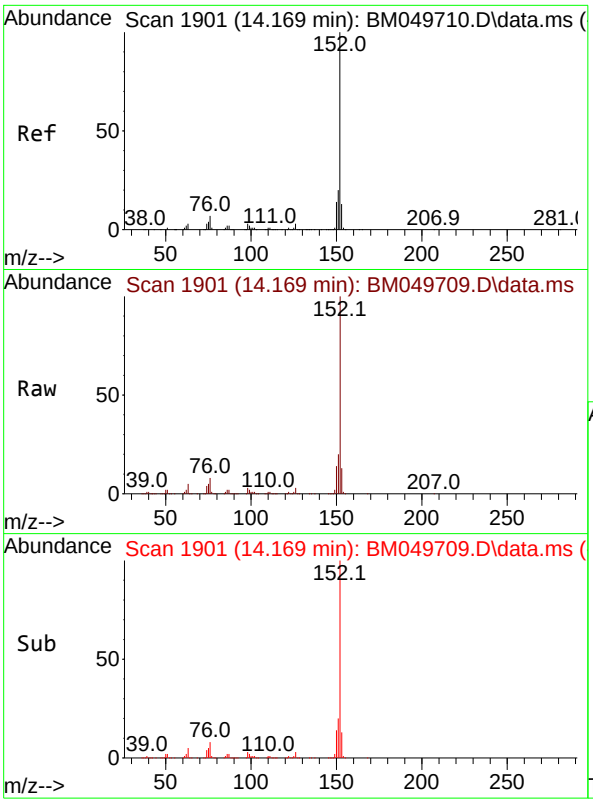


#48
2-Nitroaniline
Concen: 19.426 ng
RT: 13.516 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion: 65 Resp: 170895

Ion	Ratio	Lower	Upper
65	100		
92	65.9	53.4	80.2
138	103.2	87.6	131.4



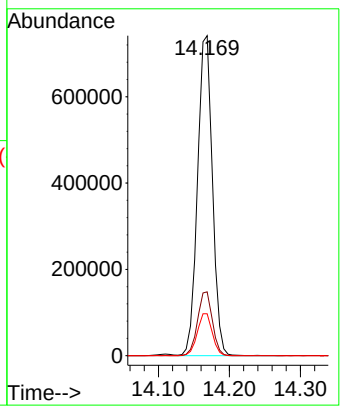


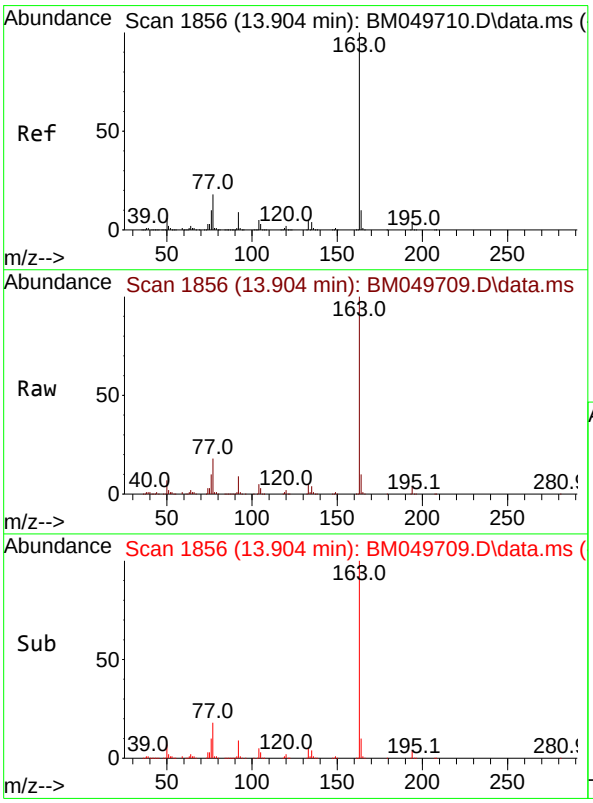
#49
Acenaphthylene
Concen: 19.752 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1081919

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.1	10.2	15.4

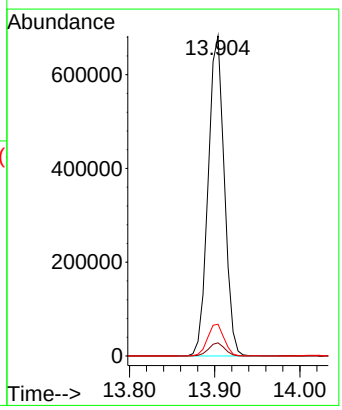


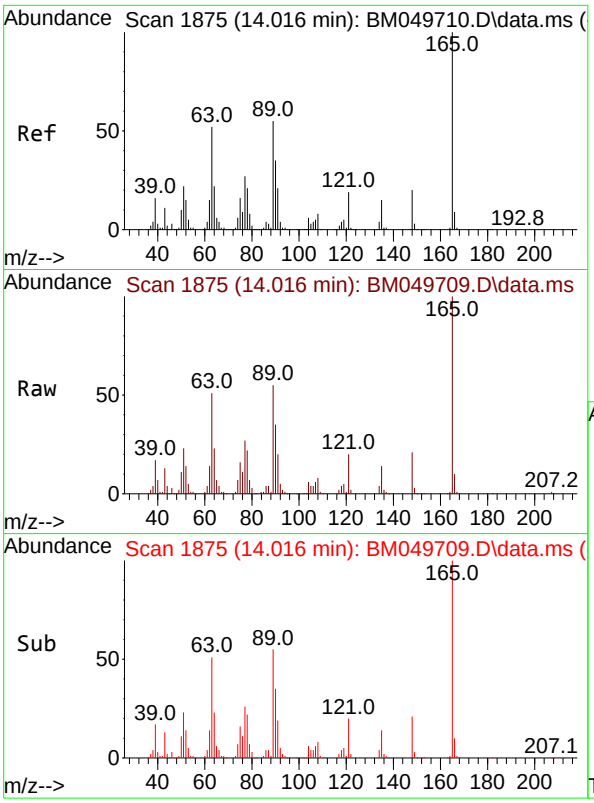


#50
Dimethylphthalate
Concen: 20.003 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:163 Resp: 899648

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.9	8.2	12.2



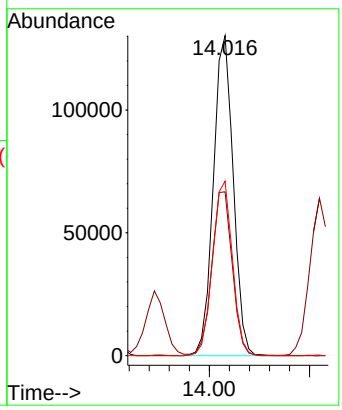


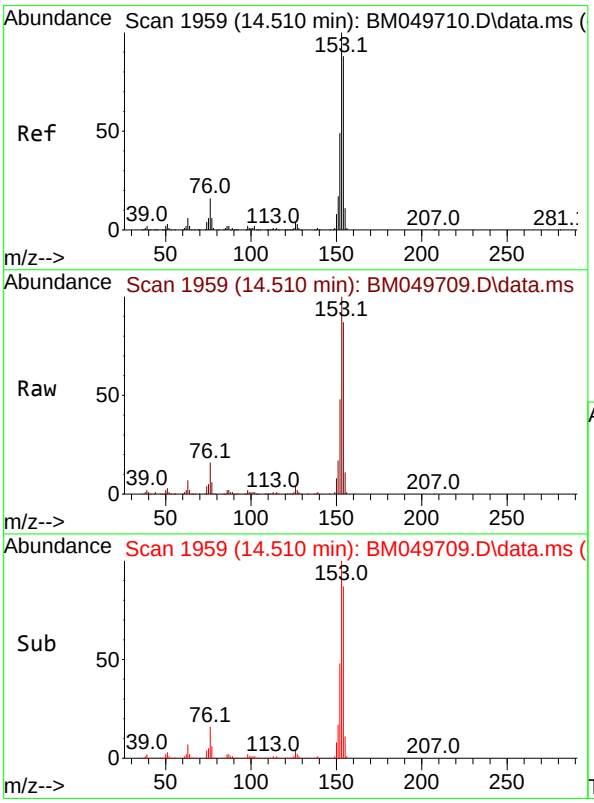
#51
2,6-Dinitrotoluene
Concen: 19.851 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 178893

Ion	Ratio	Lower	Upper
165	100		
63	51.2	42.3	63.5
89	54.5	43.9	65.9

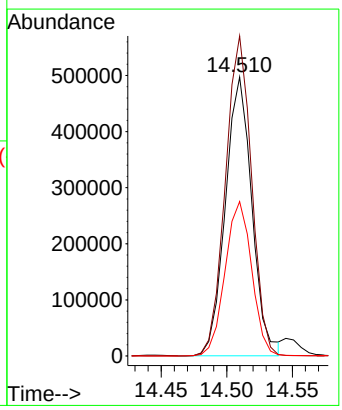


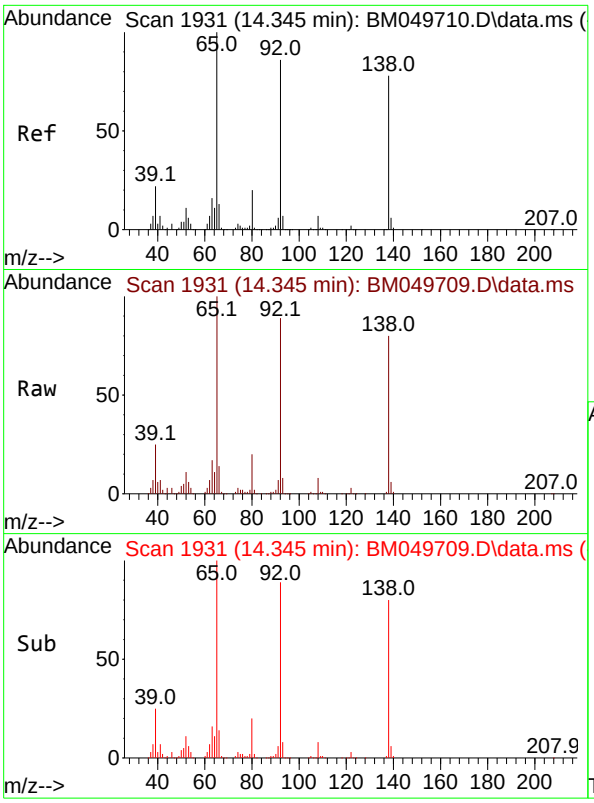


#52
Acenaphthene
Concen: 19.519 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:154 Resp: 700438

Ion	Ratio	Lower	Upper
154	100		
153	114.8	90.4	135.6
152	55.4	44.2	66.2



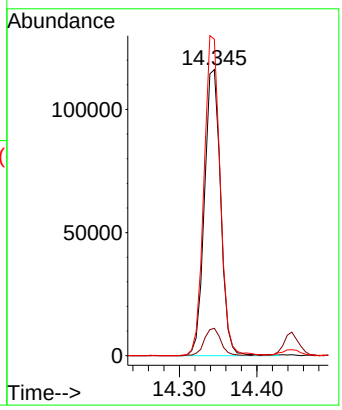


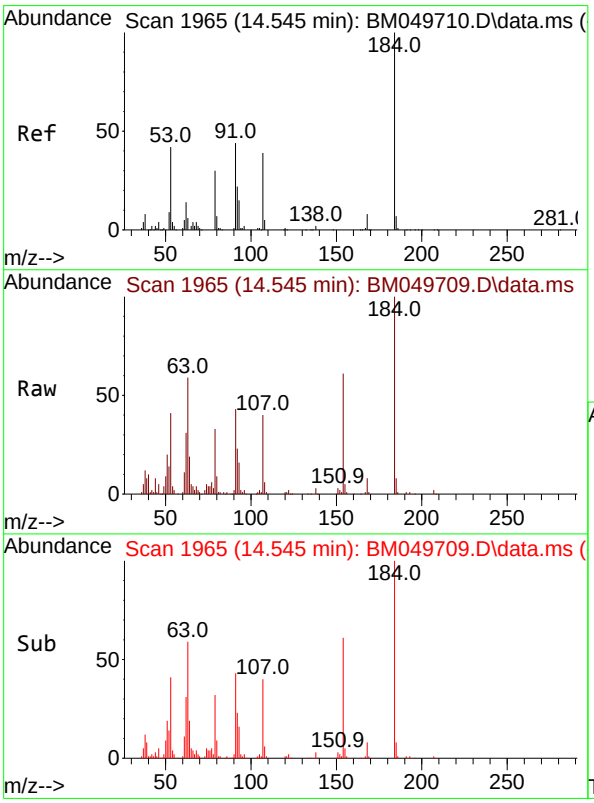
#53
3-Nitroaniline
Concen: 19.697 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 168909

Ion	Ratio	Lower	Upper
138	100		
108	9.6	7.5	11.3
92	110.6	88.0	132.0

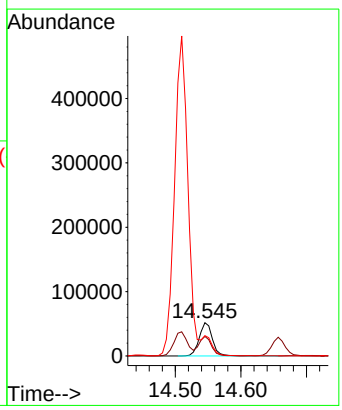


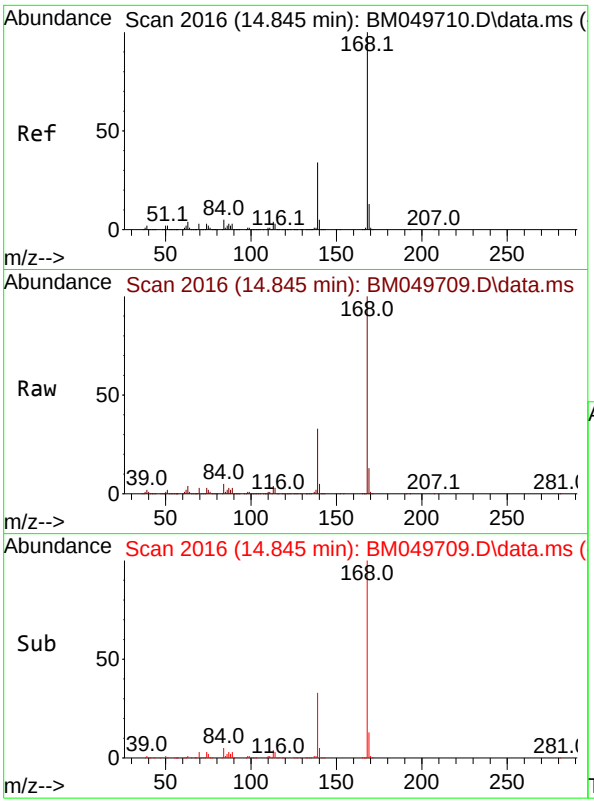


#54
2,4-Dinitrophenol
Concen: 20.242 ng
RT: 14.545 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:184 Resp: 72346

Ion	Ratio	Lower	Upper
184	100		
63	58.9	47.2	70.8
154	60.9	49.9	74.9



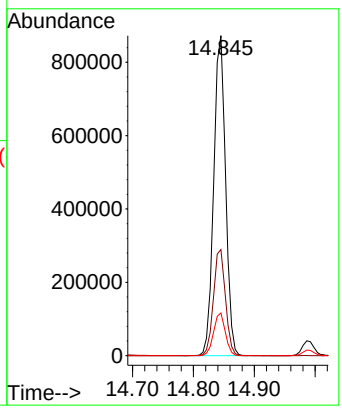


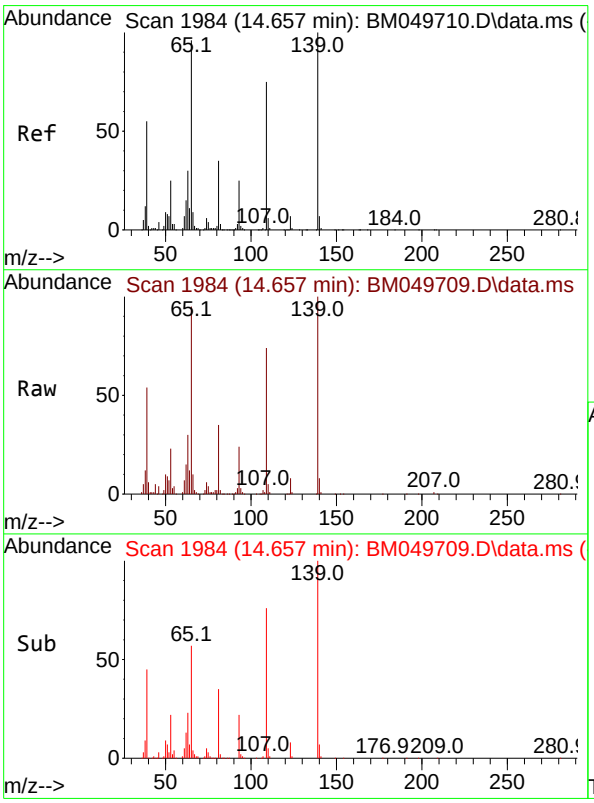
#55
Dibenzofuran
Concen: 19.789 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1184764

Ion	Ratio	Lower	Upper
168	100		
139	33.2	27.4	41.0
169	13.4	10.7	16.1

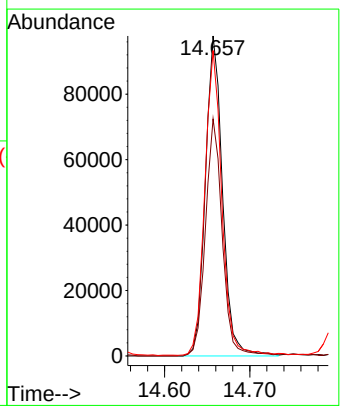


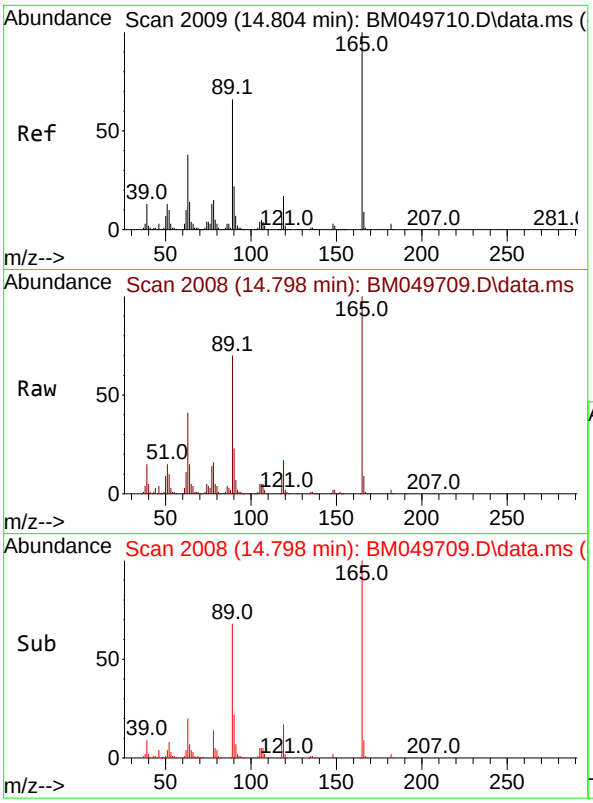


#56
4-Nitrophenol
Concen: 18.344 ng
RT: 14.657 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:139 Resp: 136931

Ion	Ratio	Lower	Upper
139	100		
109	74.1	54.7	94.7
65	95.5	76.2	116.2



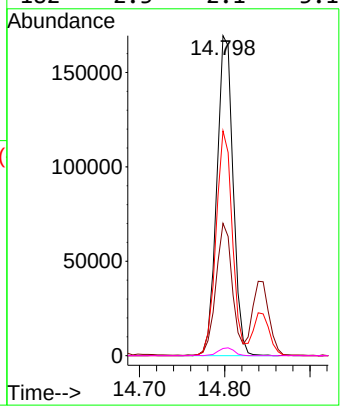


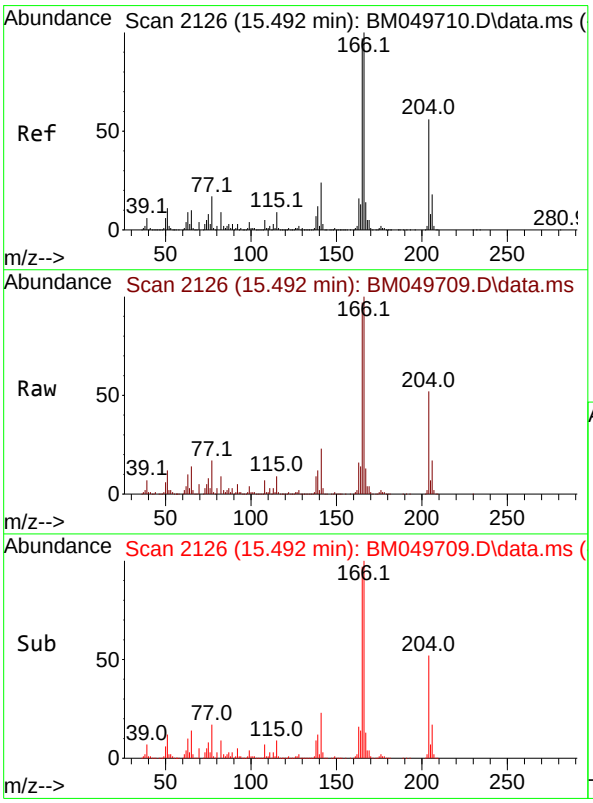
#57
2,4-Dinitrotoluene
Concen: 19.418 ng
RT: 14.798 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 225172

Ion	Ratio	Lower	Upper
165	100		
63	41.3	30.8	46.2
89	70.3	53.1	79.7
182	2.3	2.1	3.1

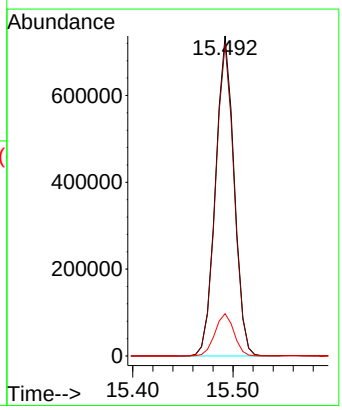


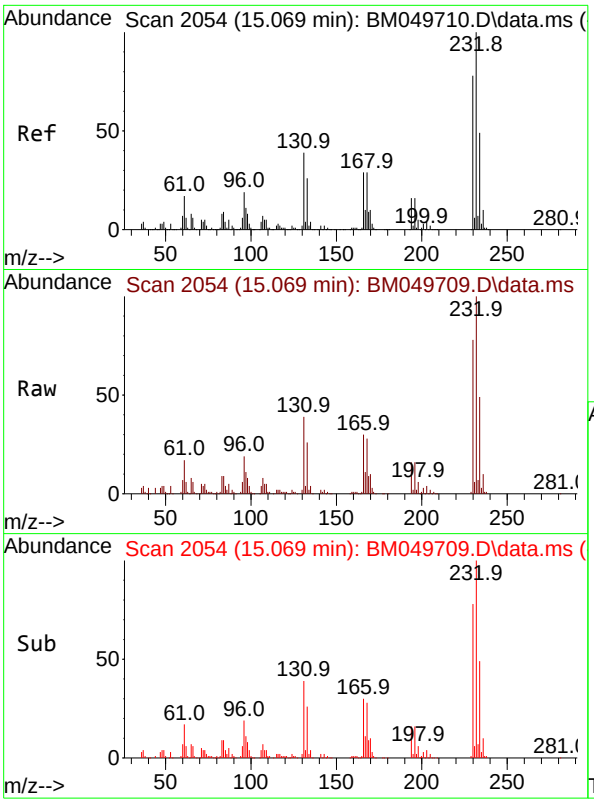


#58
Fluorene
Concen: 19.484 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:166 Resp: 949720

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.5	116.3
167	13.2	10.9	16.3



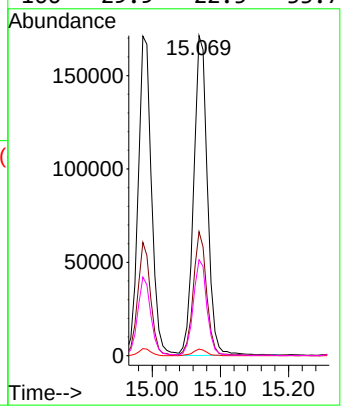


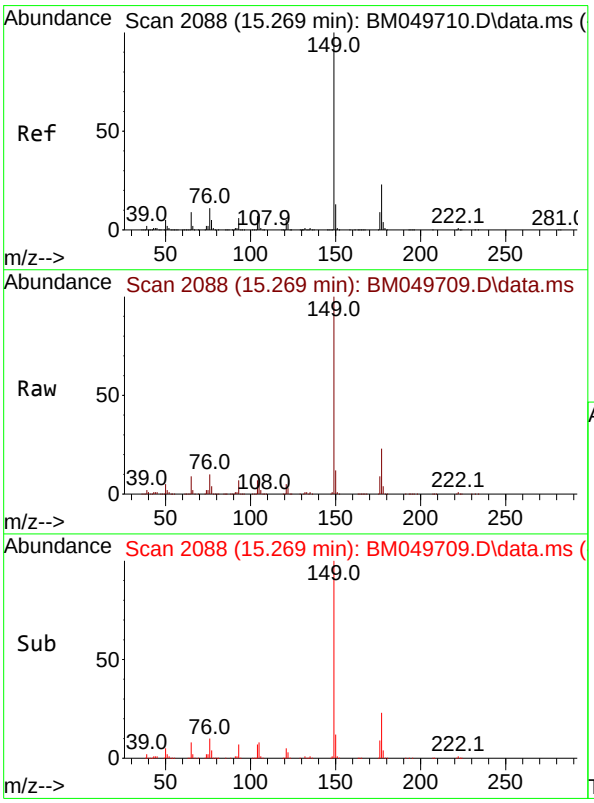
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.485 ng
RT: 15.069 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 239188

Ion	Ratio	Lower	Upper
232	100		
131	37.1	30.0	45.0
130	2.0	1.6	2.4
166	29.9	22.5	33.7

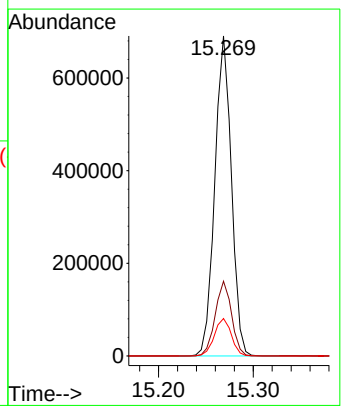


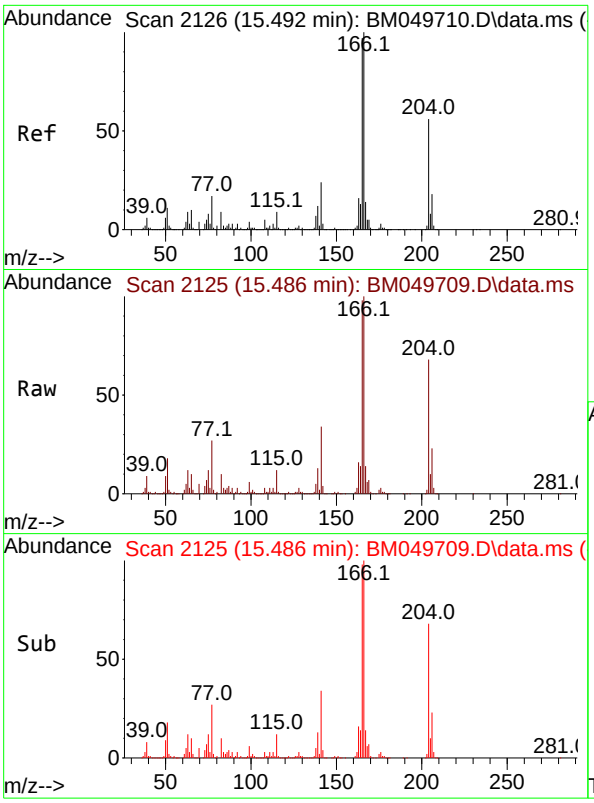


#60
Diethylphthalate
Concen: 19.824 ng
RT: 15.269 min Scan# 2088
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:149 Resp: 839716

Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.2	27.2
150	11.7	10.0	15.0



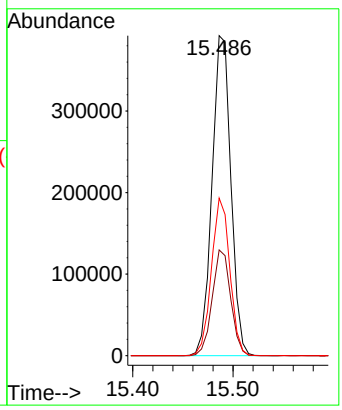


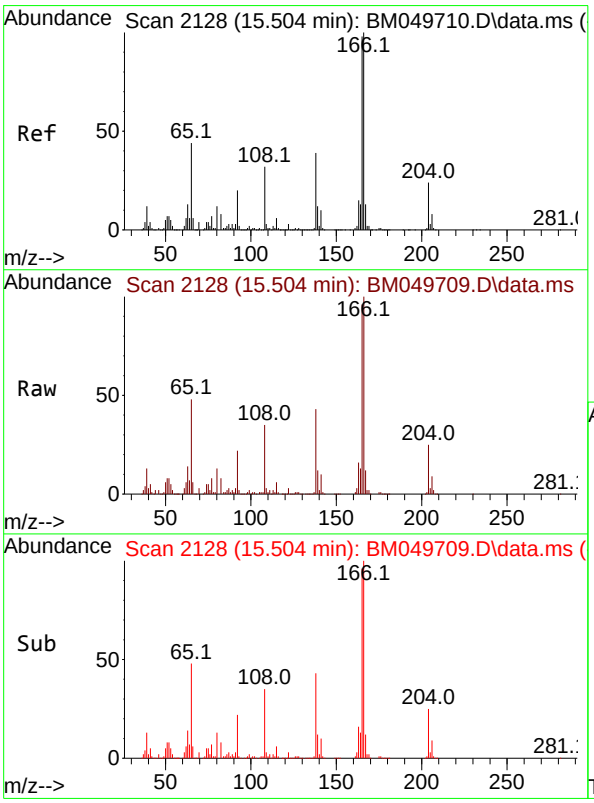
#61
4-Chlorophenyl-phenylether
Concen: 19.223 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 511663

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.2	37.8
141	49.2	34.5	51.7

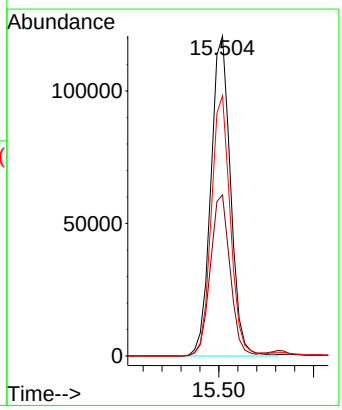


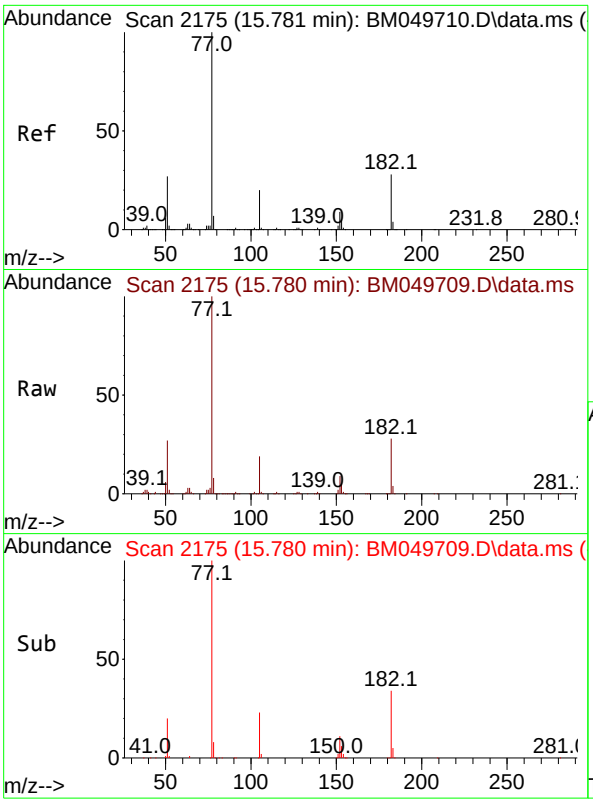


#62
4-Nitroaniline
Concen: 19.525 ng
RT: 15.504 min Scan# 2128
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:138 Resp: 174539

Ion	Ratio	Lower	Upper
138	100		
92	50.4	29.8	69.8
108	81.3	61.3	101.3



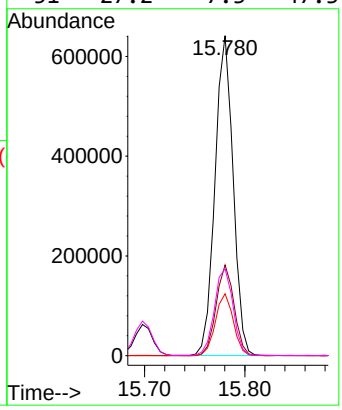


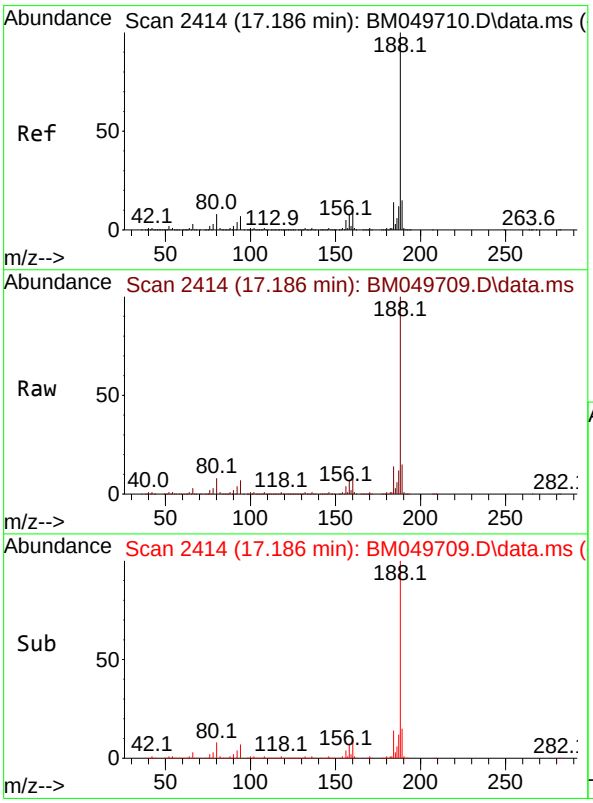
#63
Azobenzene
Concen: 19.889 ng
RT: 15.780 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 804689

Ion	Ratio	Lower	Upper
77	100		
182	28.3	8.0	48.0
105	19.3	0.0	40.0
51	27.2	7.3	47.3

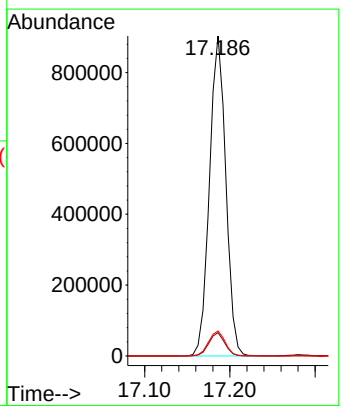


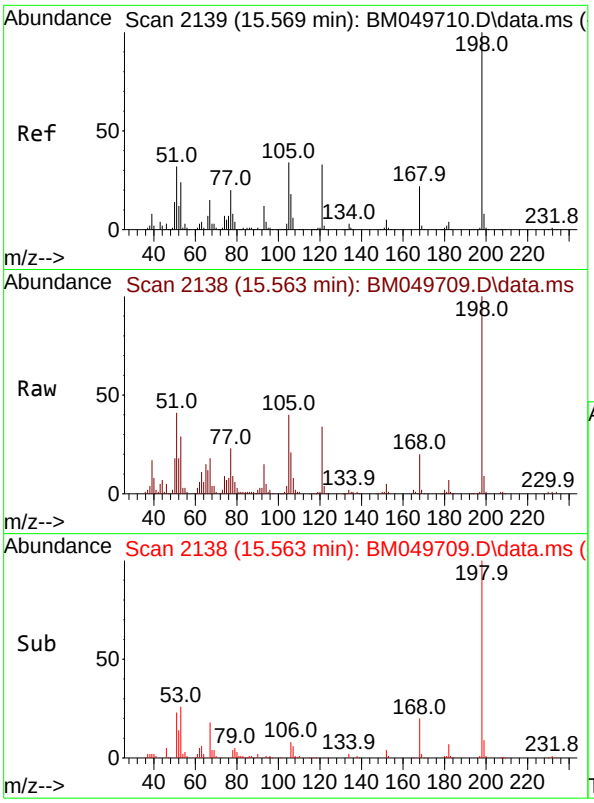


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:188 Resp: 1202916

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	7.8	6.3	9.5



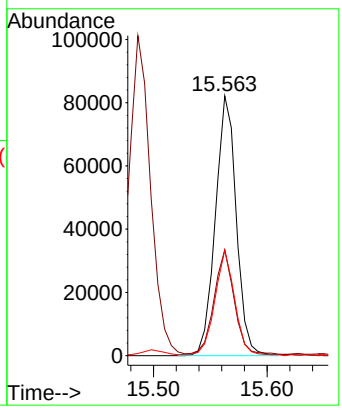


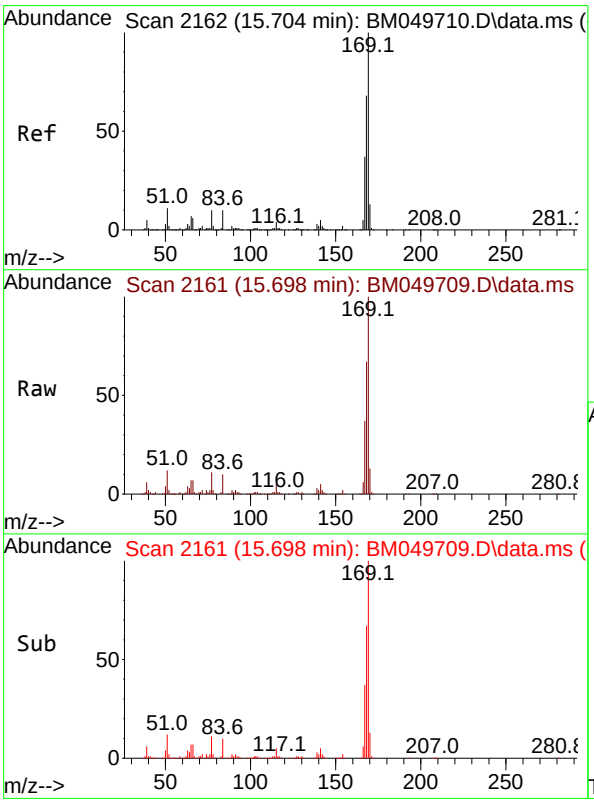
#65
4,6-Dinitro-2-methylphenol
Concen: 20.361 ng
RT: 15.563 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 105000

Ion	Ratio	Lower	Upper
198	100		
51	40.8	13.8	53.8
105	40.5	14.0	54.0

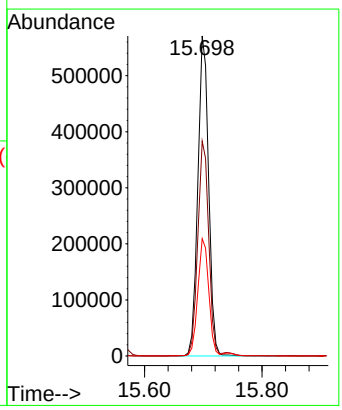


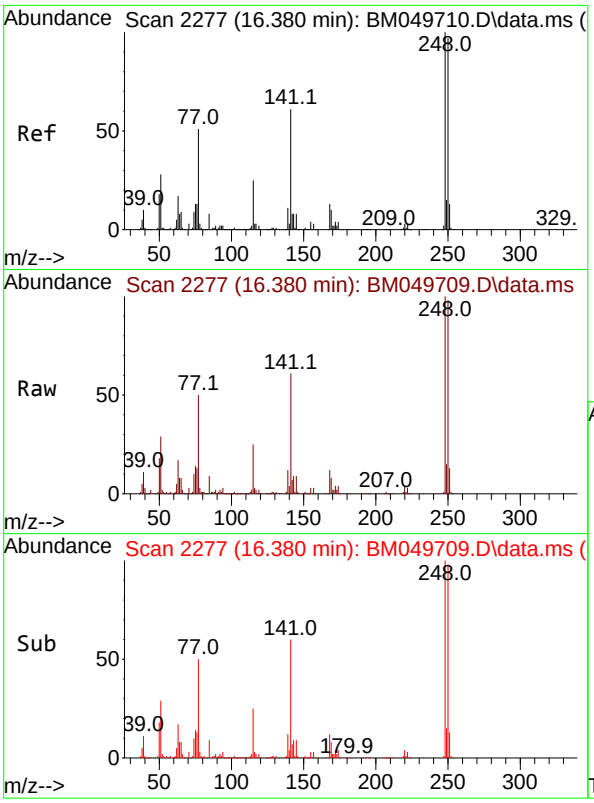


#66
n-Nitrosodiphenylamine
Concen: 19.917 ng
RT: 15.698 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:169 Resp: 725911

Ion	Ratio	Lower	Upper
169	100		
168	67.2	54.8	82.2
167	36.7	29.9	44.9



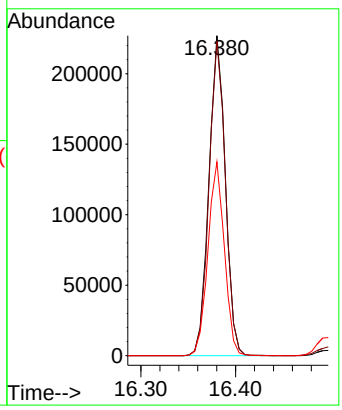


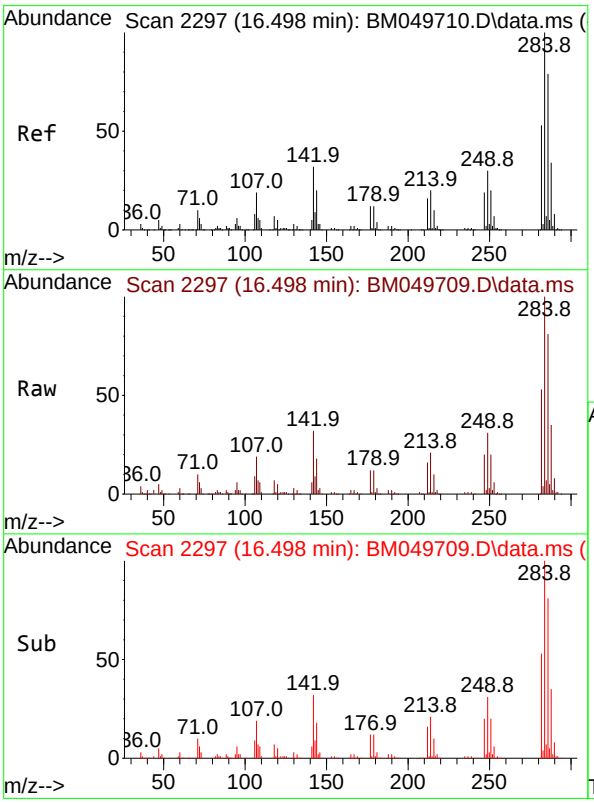
#67
4-Bromophenyl-phenylether
Concen: 19.663 ng
RT: 16.380 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 273093

Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.9	116.9
141	60.6	48.6	73.0

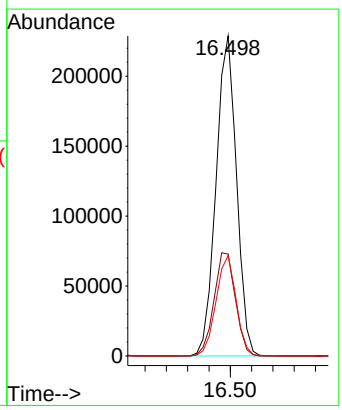


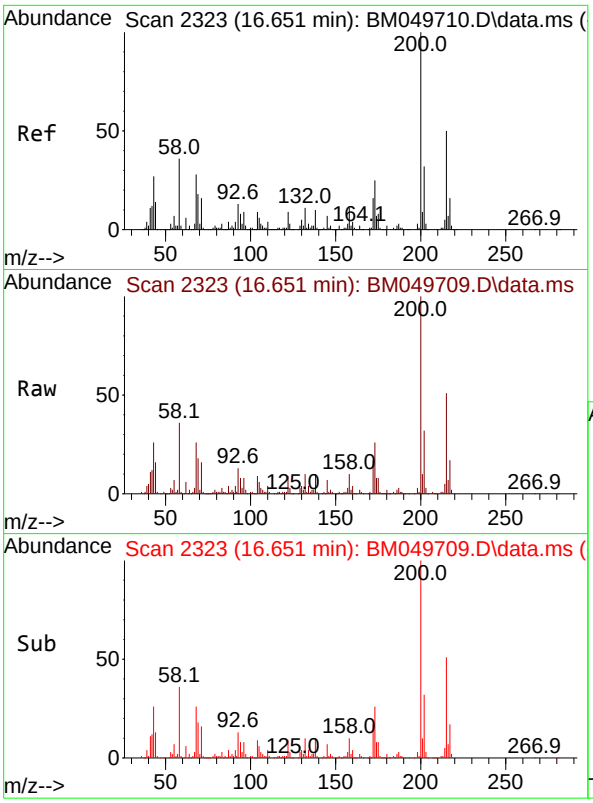


#68
Hexachlorobenzene
Concen: 19.505 ng
RT: 16.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:284 Resp: 304632

Ion	Ratio	Lower	Upper
284	100		
142	31.8	25.5	38.3
249	31.4	24.2	36.2



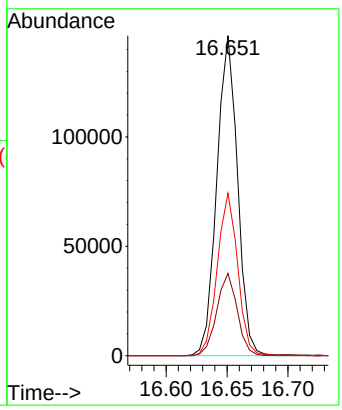


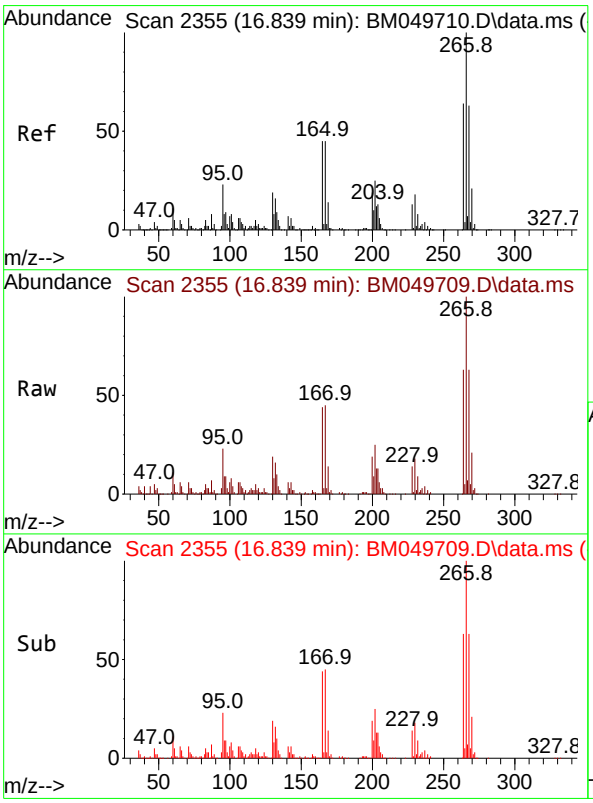
#69
Atrazine
Concen: 21.592 ng
RT: 16.651 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 173431

Ion	Ratio	Lower	Upper
200	100		
173	25.7	5.4	45.4
215	50.8	29.8	69.8

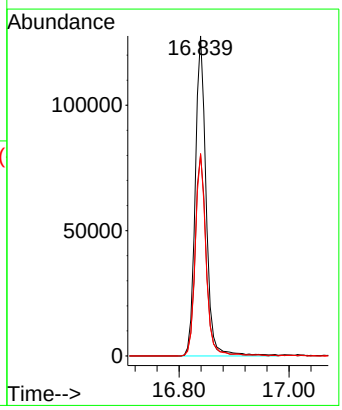


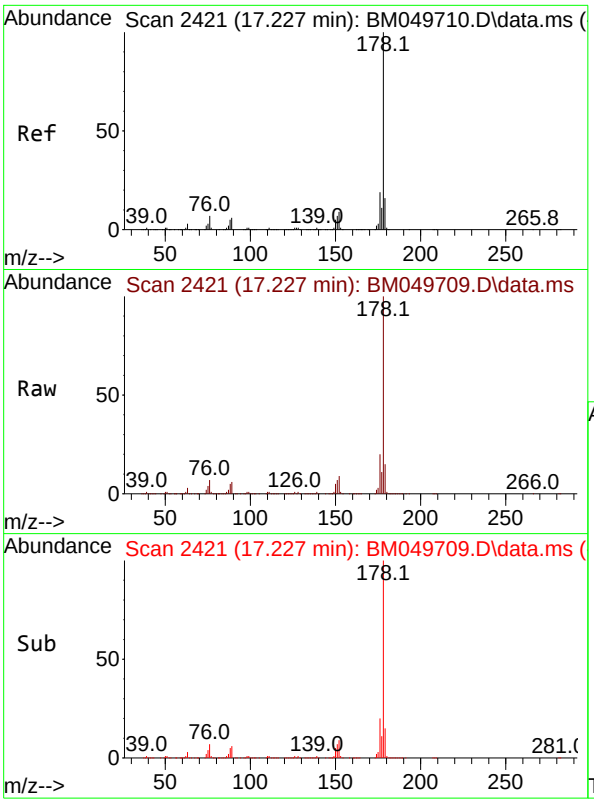


#70
Pentachlorophenol
Concen: 17.794 ng
RT: 16.839 min Scan# 2355
Delta R.T. 0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:266 Resp: 174643

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.2	75.2
264	63.3	51.3	76.9



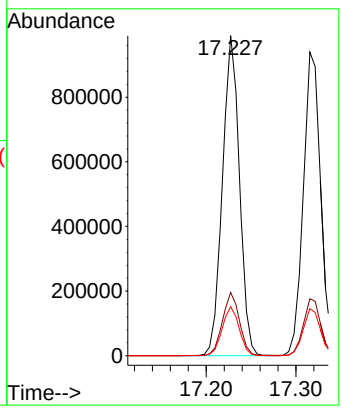


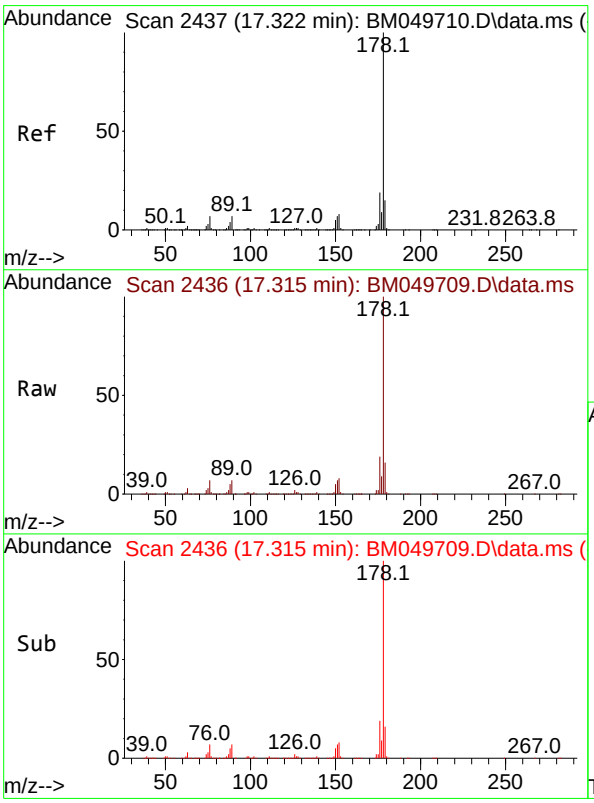
#71
Phenanthrene
Concen: 19.532 ng
RT: 17.227 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1304624

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.3	12.5	18.7

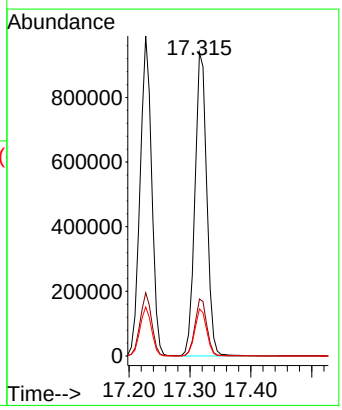


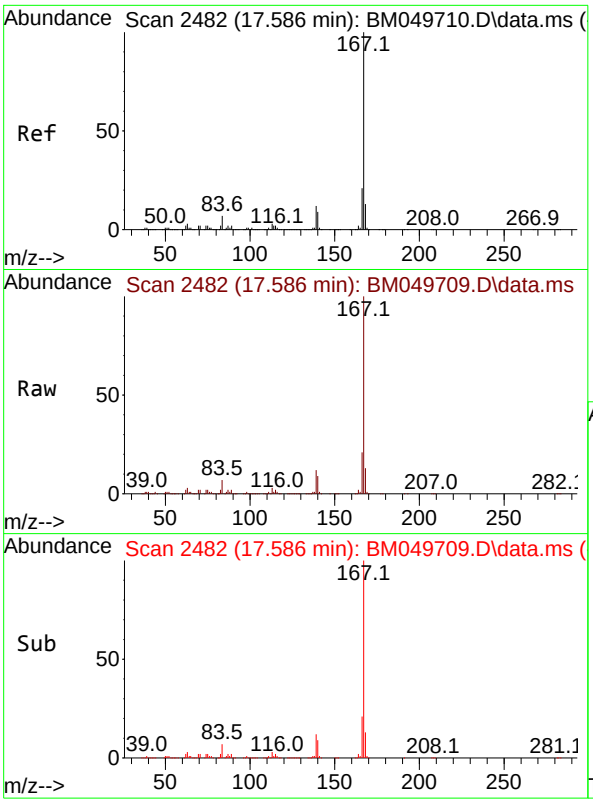


#72
Anthracene
Concen: 19.617 ng
RT: 17.315 min Scan# 2436
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:178 Resp: 1269013

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.5	12.4	18.6



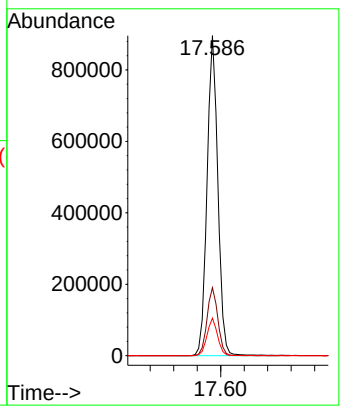


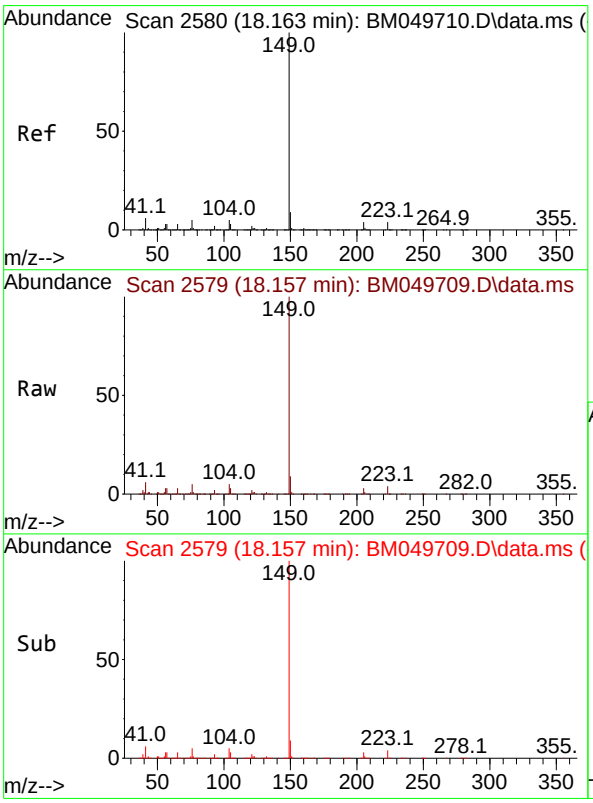
#73
Carbazole
Concen: 19.557 ng
RT: 17.586 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1145728

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	11.7	9.4	14.2

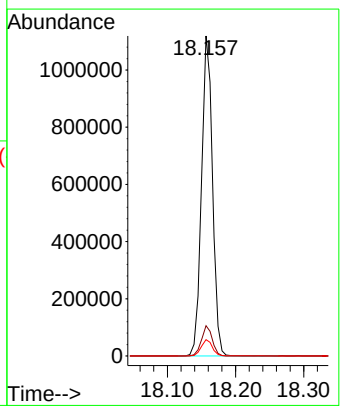


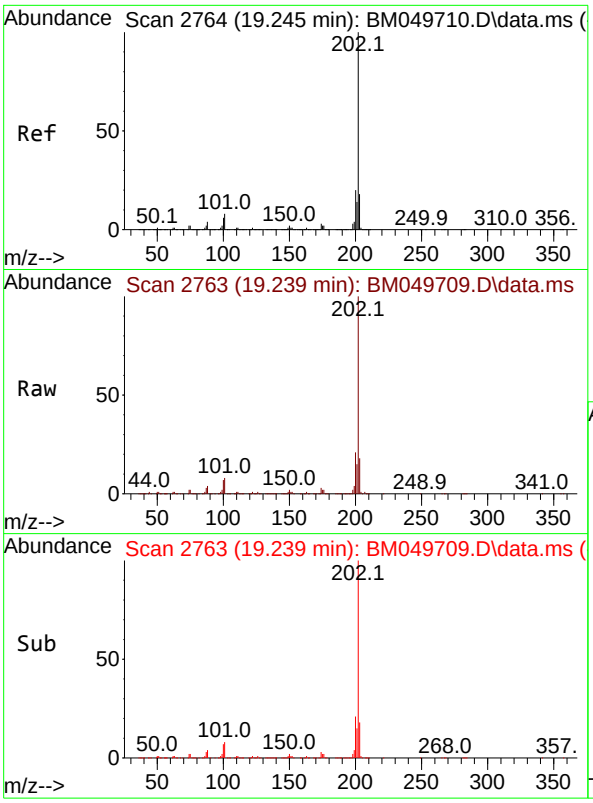


#74
Di-n-butylphthalate
Concen: 19.530 ng
RT: 18.157 min Scan# 2579
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:149 Resp: 1254005

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.2	10.8
104	5.1	3.9	5.9



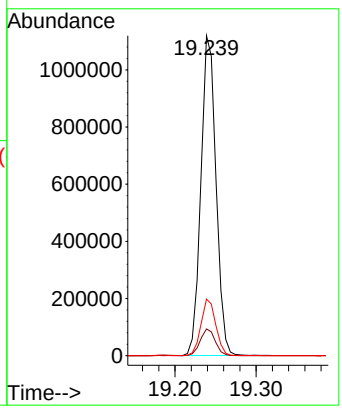


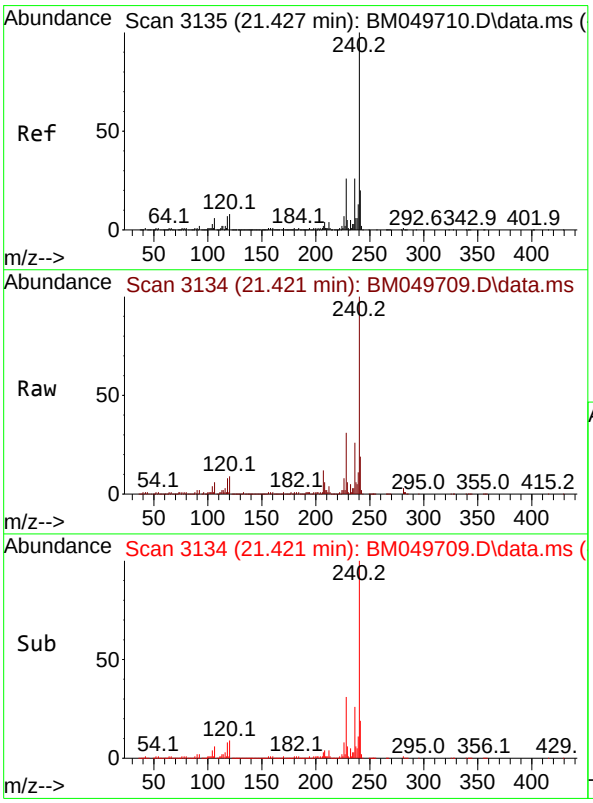
#75
Fluoranthene
Concen: 18.815 ng
RT: 19.239 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1446853

Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	27.8
203	17.7	0.0	37.6

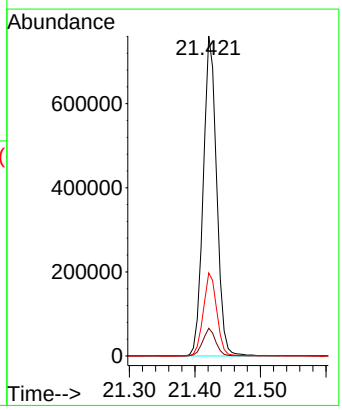


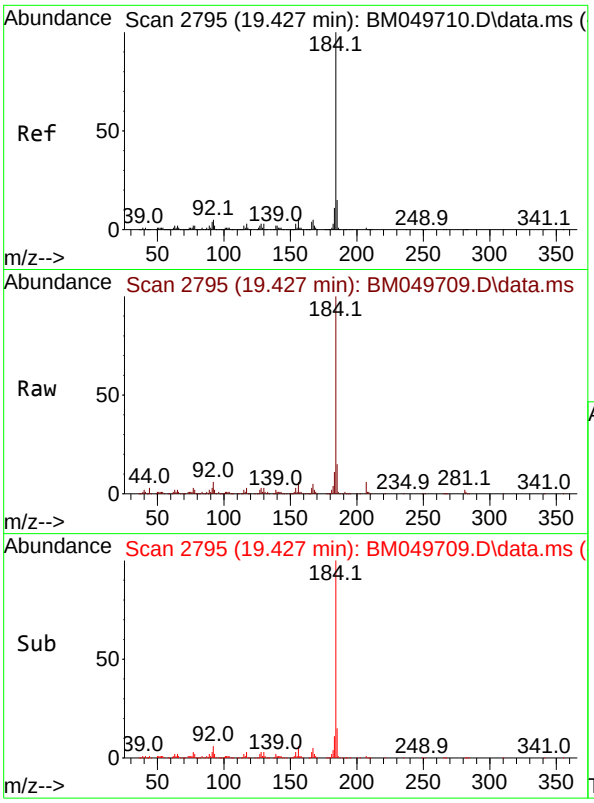


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:240 Resp: 1084099

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.5	9.7
236	25.9	20.7	31.1



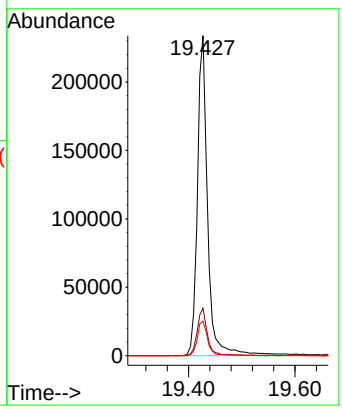


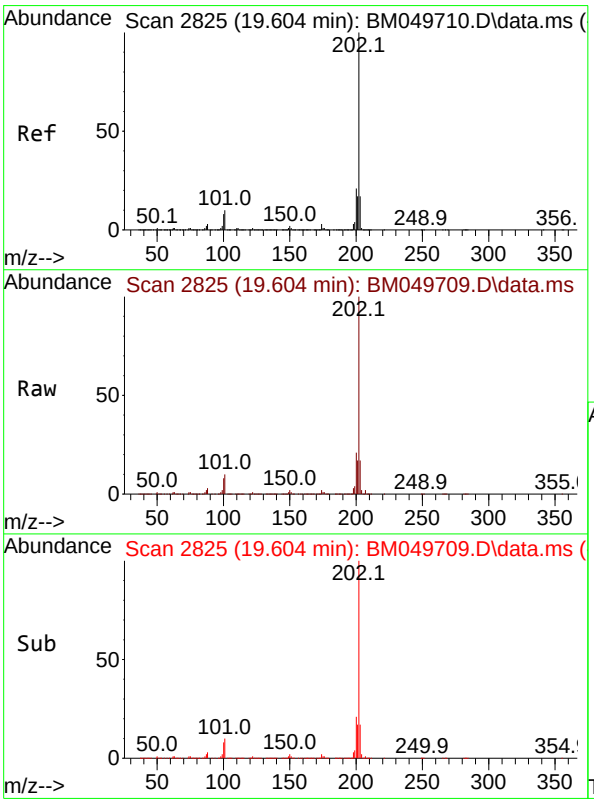
#77
Benzidine
Concen: 23.868 ng
RT: 19.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 310871

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.7	17.5
183	10.8	8.8	13.2

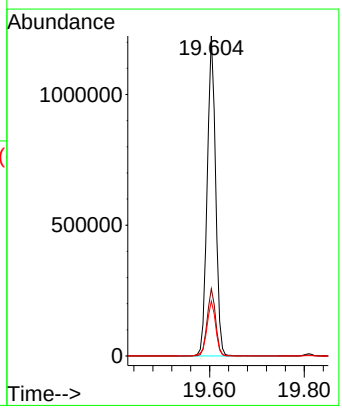


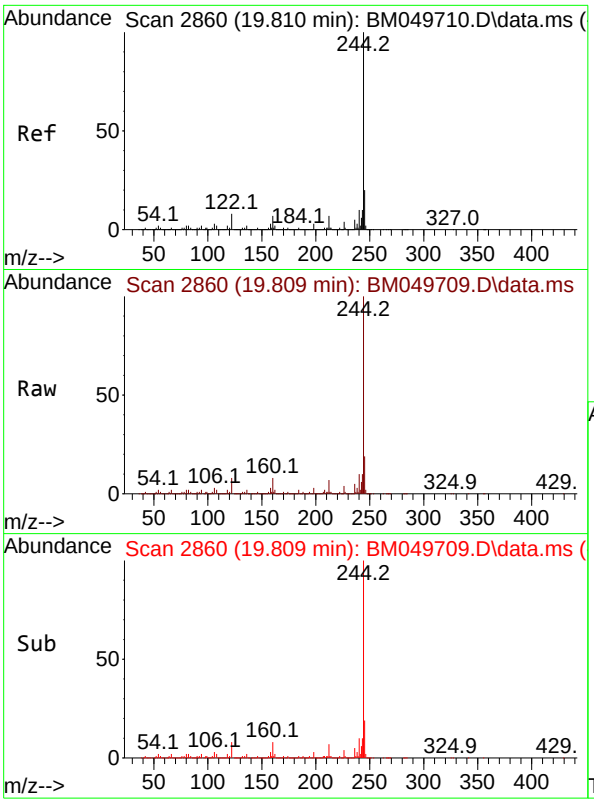


#78
Pyrene
Concen: 19.900 ng
RT: 19.604 min Scan# 2825
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:202 Resp: 1507240

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.1	14.0	21.0



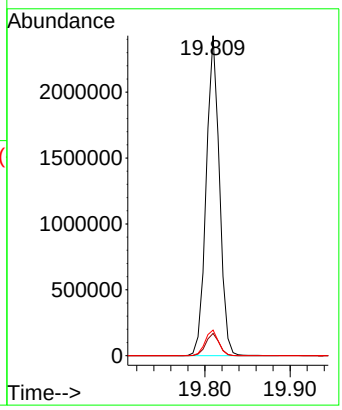


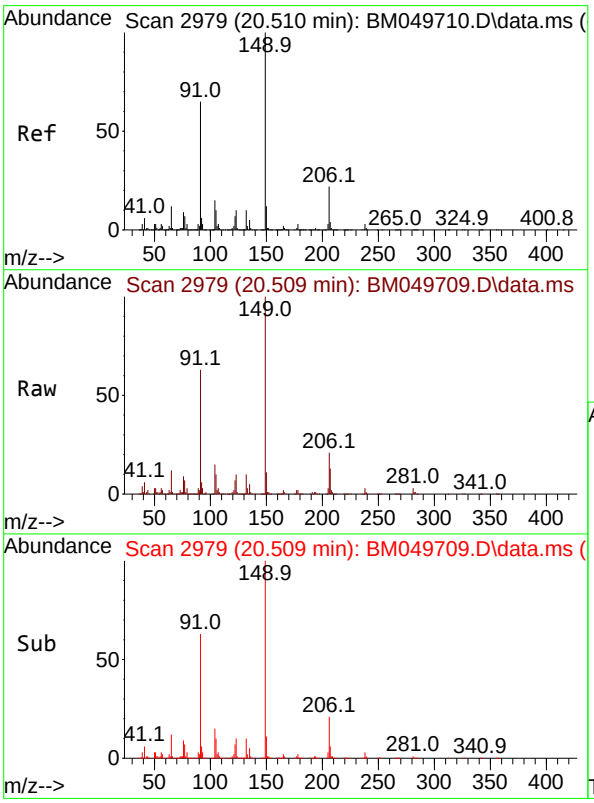
#79
Terphenyl-d14
Concen: 40.593 ng
RT: 19.809 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 2611487

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	8.0	6.0	9.0

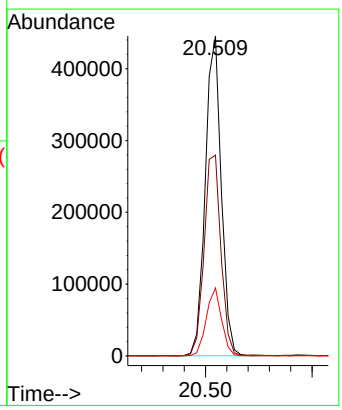


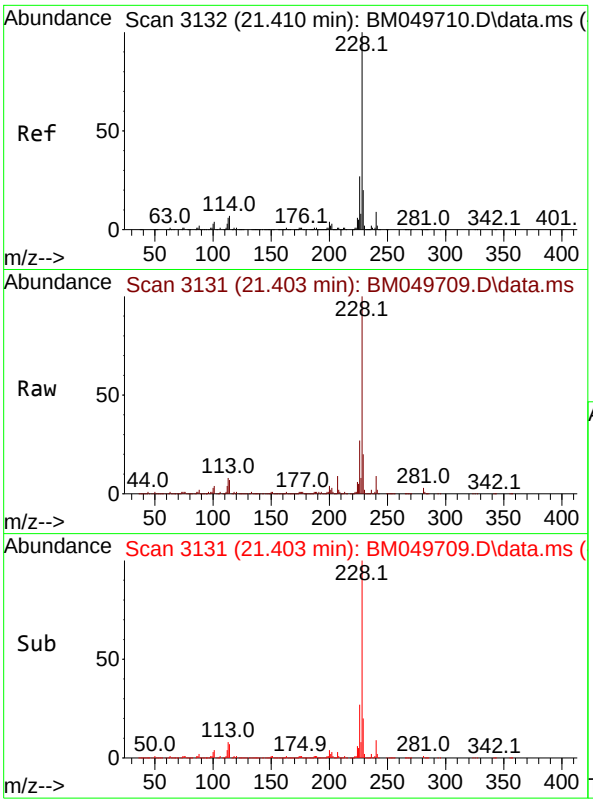


#80
Butylbenzylphthalate
Concen: 19.737 ng
RT: 20.509 min Scan# 2979
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:149 Resp: 463918

Ion	Ratio	Lower	Upper
149	100		
91	62.8	52.2	78.4
206	21.2	17.6	26.4



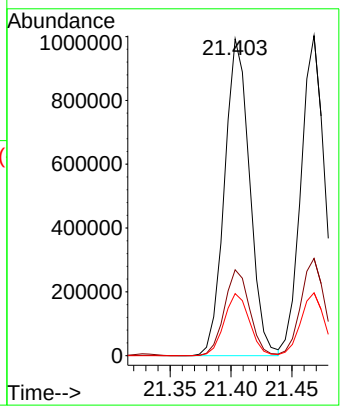


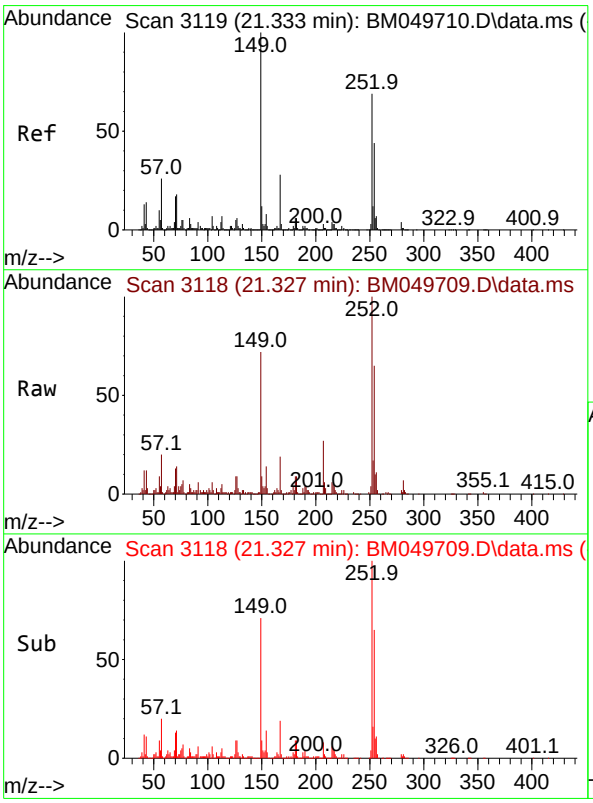
#81
Benzo(a)anthracene
Concen: 19.727 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1428447

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.0	33.0
229	19.6	15.8	23.8

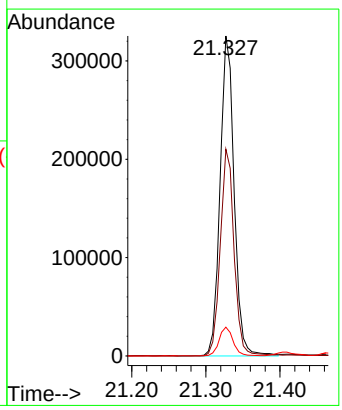


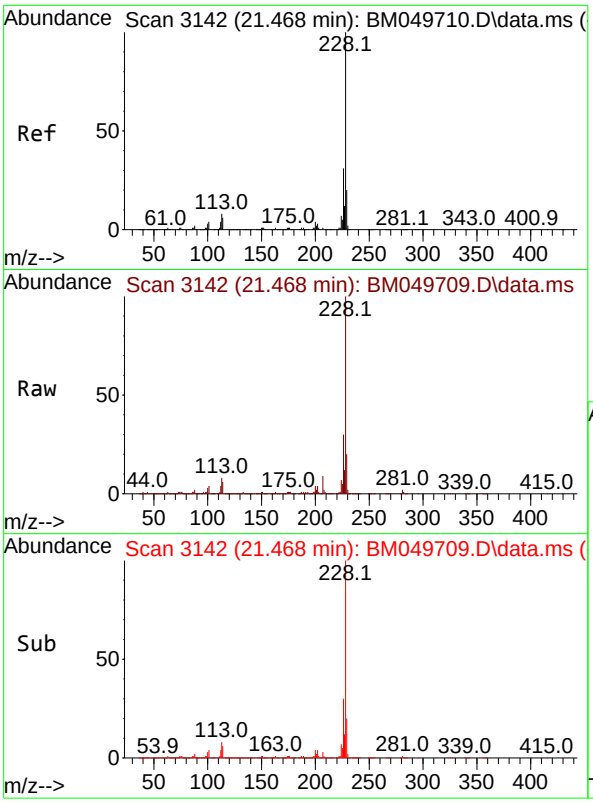


#82
3,3'-Dichlorobenzidine
Concen: 18.203 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:252 Resp: 429145

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.0	76.4
126	9.0	6.3	9.5



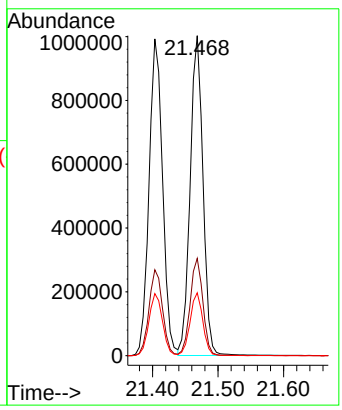


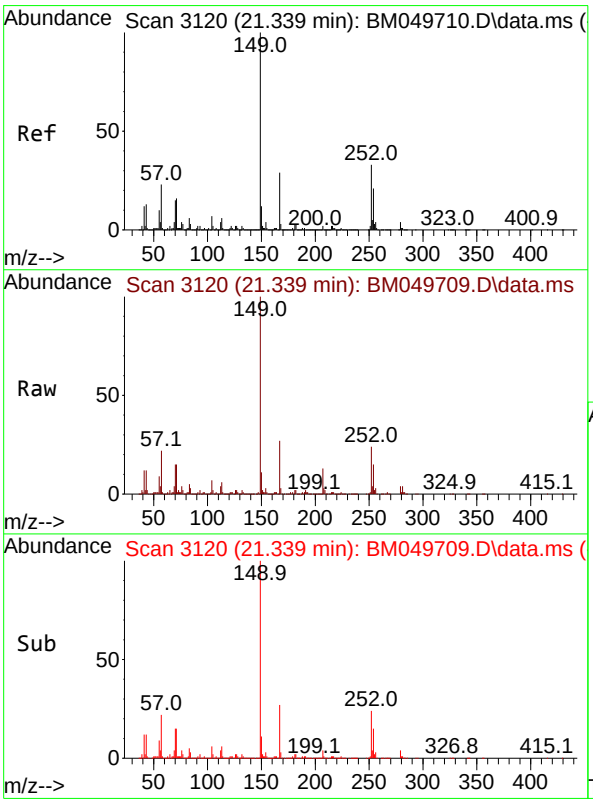
#83
Chrysene
Concen: 19.877 ng
RT: 21.468 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1364401

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.5	36.7
229	19.7	15.8	23.6

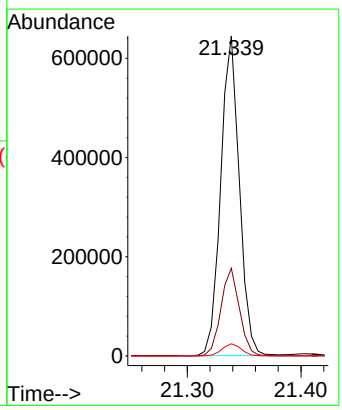


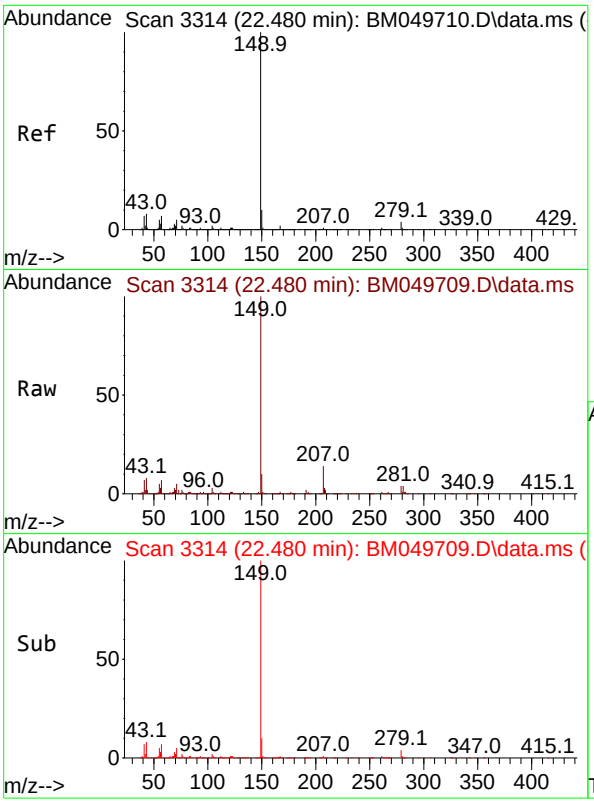


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.066 ng
RT: 21.339 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:149 Resp: 735062

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.9	34.3
279	3.8	3.5	5.3



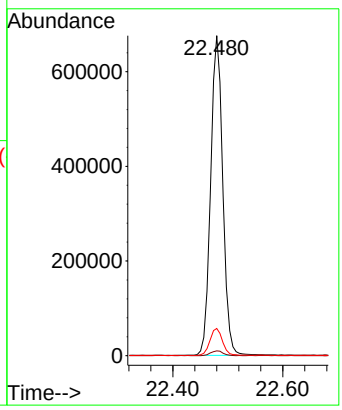


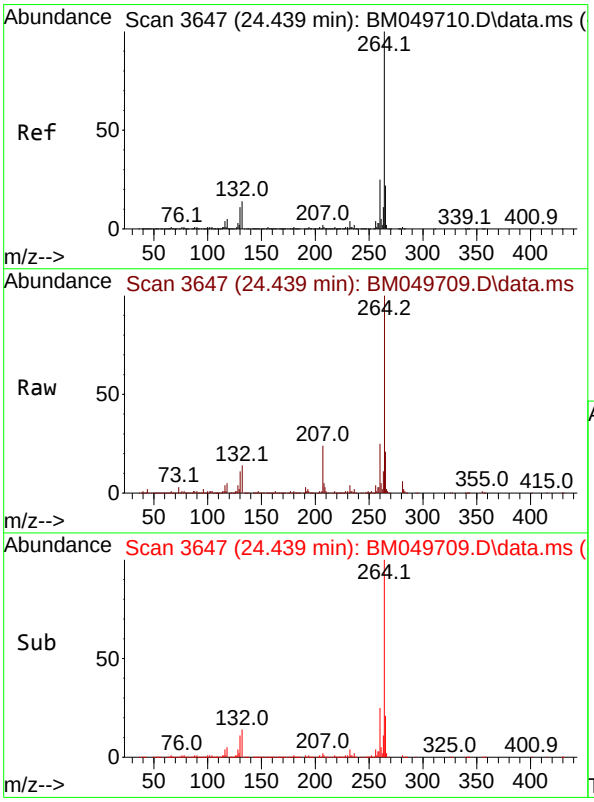
#85
Di-n-octyl phthalate
Concen: 18.166 ng
RT: 22.480 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1034304

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	6.8	10.2

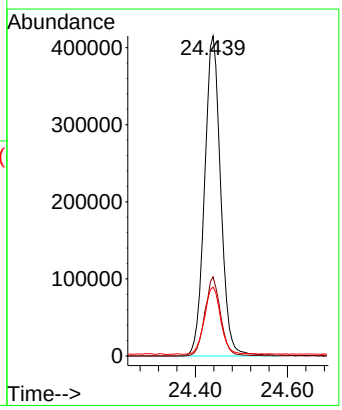


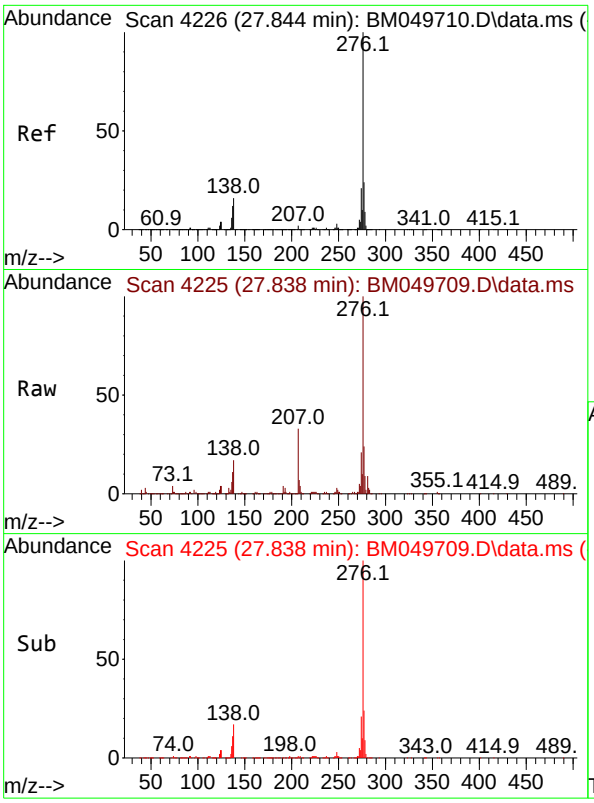


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.439 min Scan# 3647
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:264 Resp: 1012386

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	21.5	18.2	27.2



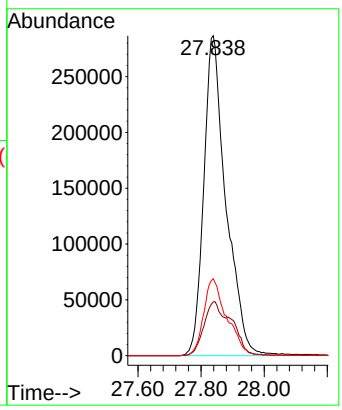


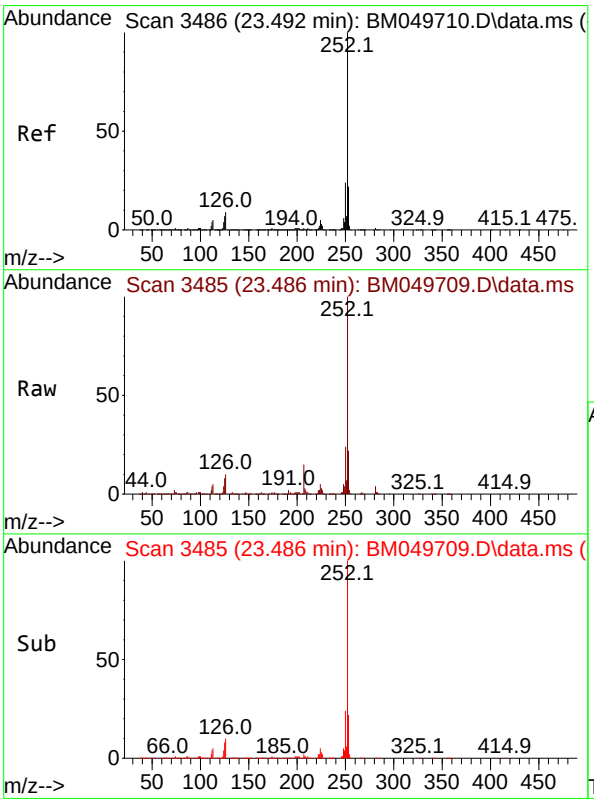
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.195 ng
RT: 27.838 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 1398710

Ion	Ratio	Lower	Upper
276	100		
138	21.1	16.3	24.5
277	25.1	19.9	29.9

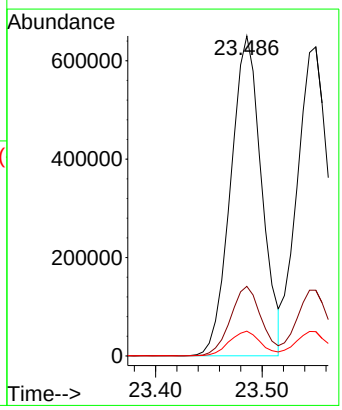


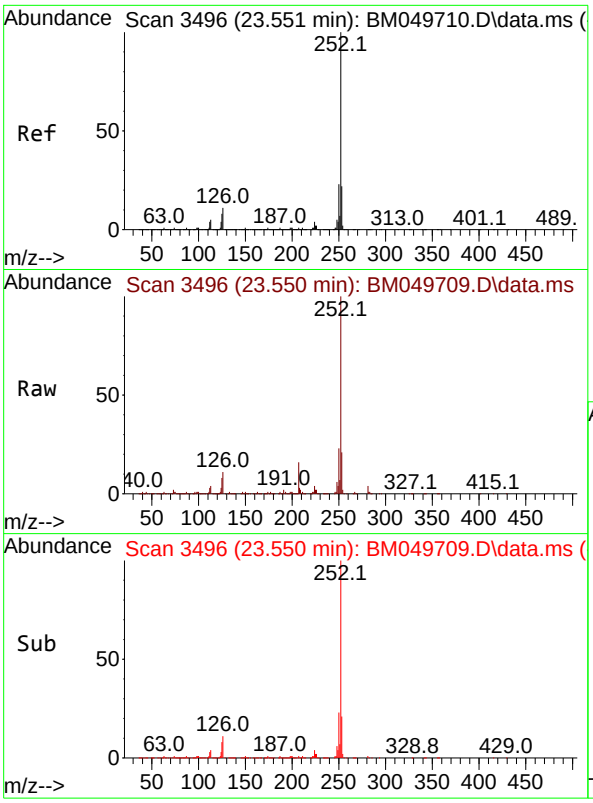


#88
Benzo(b)fluoranthene
Concen: 19.257 ng
RT: 23.486 min Scan# 3485
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:252 Resp: 1313124

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	7.8	5.9	8.9



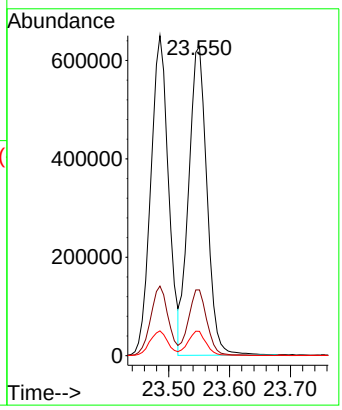


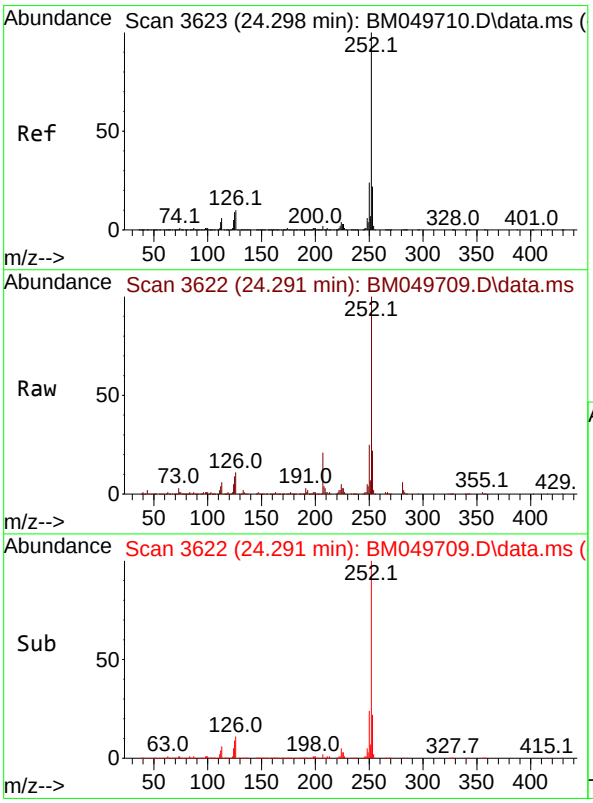
#89
Benzo(k)fluoranthene
Concen: 19.526 ng
RT: 23.550 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1310136

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.3	25.9
125	7.9	6.2	9.2

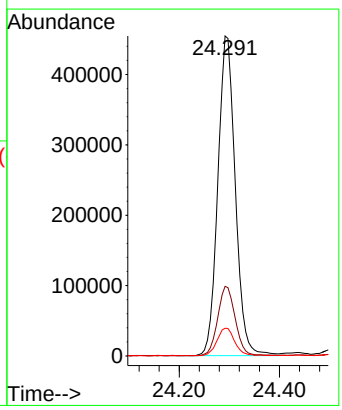


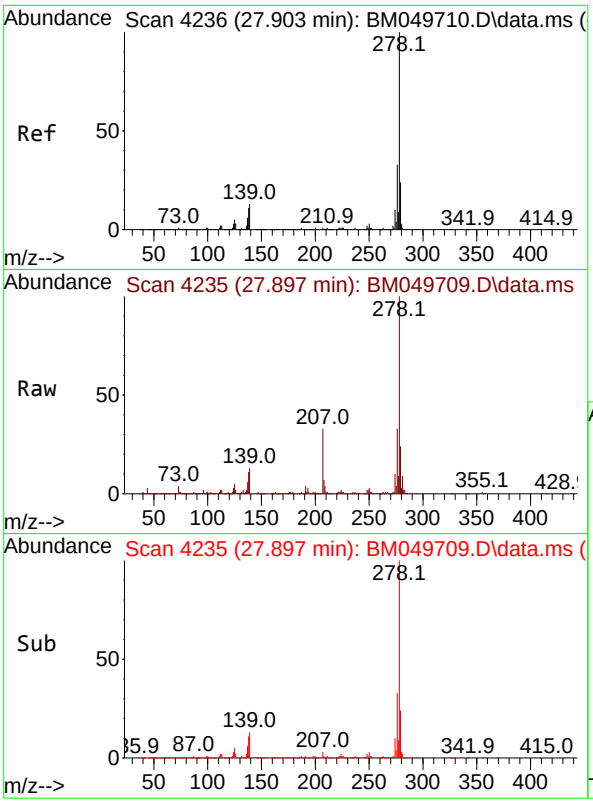


#90
Benzo(a)pyrene
Concen: 19.183 ng
RT: 24.291 min Scan# 3622
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:252 Resp: 1098704

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	8.7	7.0	10.6



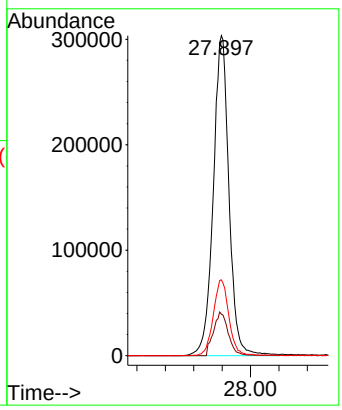


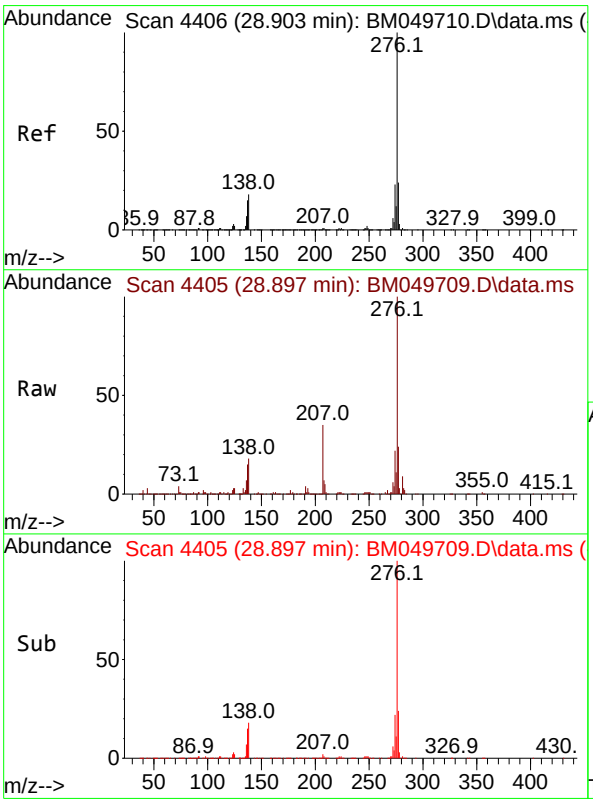
#91
Dibenzo(a,h)anthracene
Concen: 19.199 ng
RT: 27.897 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1165557

Ion	Ratio	Lower	Upper
278	100		
139	13.0	10.1	15.1
279	23.7	19.1	28.7

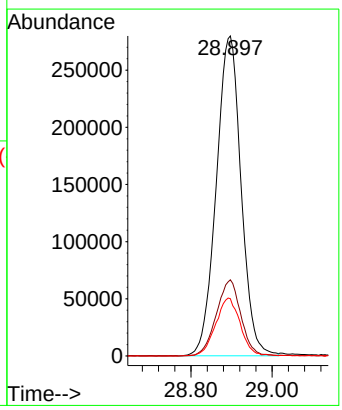




#92
Benzo(g,h,i)perylene
Concen: 19.418 ng
RT: 28.897 min Scan# 4405
Delta R.T. -0.006 min
Lab File: BM049709.D
Acq: 13 Mar 2025 11:00

Tgt Ion:276 Resp: 1187458

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	17.9	14.0	21.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049710.D
Acq On : 13 Mar 2025 11:39
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Mar 13 14:41:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	306869	20.000	ng	0.00
21) Naphthalene-d8	10.604	136	1035933	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	623426	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	1179542	20.000	ng	0.00
76) Chrysene-d12	21.427	240	1198251	20.000	ng	0.00
86) Perylene-d12	24.439	264	1136335	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	1443630	79.378	ng	0.00
7) Phenol-d6	6.981	99	1804713	79.073	ng	0.00
23) Nitrobenzene-d5	8.963	82	1595818	79.090	ng	0.00
42) 2,4,6-Tribromophenol	15.933	330	624211	85.746	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	3957740	79.506	ng	0.00
79) Terphenyl-d14	19.810	244	5787036	81.384	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.287	88	304783	38.713	ng	100
3) Pyridine	3.687	79	797353	39.607	ng	100
4) n-Nitrosodimethylamine	3.593	42	346864	38.989	ng	100
6) Aniline	7.134	93	749171	39.180	ng	100
8) 2-Chlorophenol	7.375	128	704524	39.119	ng	100
9) Benzaldehyde	6.946	77	419230	37.156	ng	100
10) Phenol	7.005	94	859475	38.837	ng	100
11) bis(2-Chloroethyl)ether	7.228	93	688676	38.429	ng	100
12) 1,3-Dichlorobenzene	7.699	146	838709	38.320	ng	100
13) 1,4-Dichlorobenzene	7.840	146	853391	38.649	ng	100
14) 1,2-Dichlorobenzene	8.158	146	816305	38.900	ng	100
15) Benzyl Alcohol	8.046	79	570190	39.810	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.340	45	812183	38.560	ng	100
17) 2-Methylphenol	8.252	107	519545	39.543	ng	100
18) Hexachloroethane	8.887	117	306470	39.304	ng	100
19) n-Nitroso-di-n-propyla...	8.616	70	532286	40.220	ng	100
20) 3+4-Methylphenols	8.581	107	698917	39.694	ng	100
22) Acetophenone	8.628	105	1049385	39.287	ng	100
24) Nitrobenzene	9.005	77	745329	39.175	ng	100
25) Isophorone	9.534	82	1223198	39.484	ng	100
26) 2-Nitrophenol	9.716	139	326569	40.328	ng	100
27) 2,4-Dimethylphenol	9.781	122	407285	39.514	ng	100
28) bis(2-Chloroethoxy)met...	10.016	93	843433	38.655	ng	100
29) 2,4-Dichlorophenol	10.251	162	668537	39.804	ng	100
30) 1,2,4-Trichlorobenzene	10.463	180	809518	38.523	ng	100
31) Naphthalene	10.651	128	2067950	38.821	ng	100
32) Benzoic acid	9.910	122	339891	38.761	ng	100
33) 4-Chloroaniline	10.757	127	724131	39.833	ng	100
34) Hexachlorobutadiene	10.946	225	502566	38.741	ng	100
35) Caprolactam	11.540	113	162546	41.684	ng	100
36) 4-Chloro-3-methylphenol	11.893	107	581269	40.328	ng	100
37) 2-Methylnaphthalene	12.269	142	1458607	39.160	ng	100
38) 1-Methylnaphthalene	12.487	142	1397474	38.887	ng	100
40) 1,2,4,5-Tetrachloroben...	12.634	216	898103	39.219	ng	100
41) Hexachlorocyclopentadiene	12.622	237	343127	40.446	ng	100
43) 2,4,6-Trichlorophenol	12.875	196	521138	40.633	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049710.D
Acq On : 13 Mar 2025 11:39
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Mar 13 14:41:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

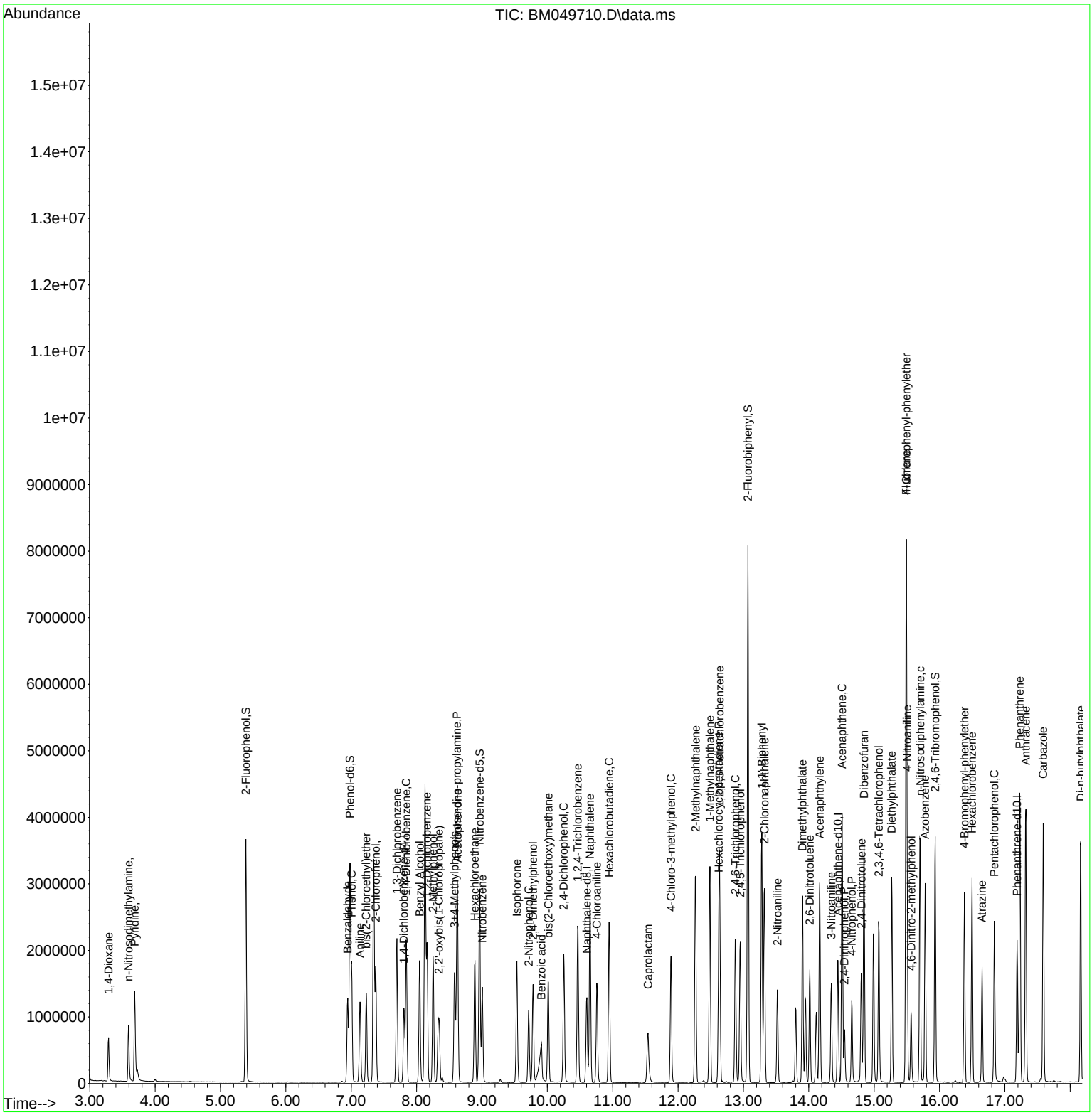
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.951	196	571159	40.810	ng	100
46) 1,1'-Biphenyl	13.281	154	1898343	39.509	ng	100
47) 2-Chloronaphthalene	13.322	162	1468019	39.253	ng	100
48) 2-Nitroaniline	13.522	65	349344	41.611	ng	100
49) Acenaphthylene	14.169	152	2084102	39.868	ng	100
50) Dimethylphthalate	13.904	163	1707639	39.784	ng	100
51) 2,6-Dinitrotoluene	14.016	165	349837	40.677	ng	100
52) Acenaphthene	14.510	154	1373000	40.091	ng	100
53) 3-Nitroaniline	14.345	138	340625	41.620	ng	100
54) 2,4-Dinitrophenol	14.545	184	164715	39.242	ng	100
55) Dibenzofuran	14.845	168	2233364	39.088	ng	100
56) 4-Nitrophenol	14.657	139	290397	40.763	ng	100
57) 2,4-Dinitrotoluene	14.804	165	462604	41.801	ng	100
58) Fluorene	15.492	166	1868135	40.158	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.069	232	479751	40.950	ng	100
60) Diethylphthalate	15.269	149	1619118	40.052	ng	100
61) 4-Chlorophenyl-phenyle...	15.492	204	1020109	40.157	ng	100
62) 4-Nitroaniline	15.504	138	372286	38.997	ng	100
63) Azobenzene	15.781	77	1551742	40.187	ng	100
65) 4,6-Dinitro-2-methylph...	15.569	198	235447	39.014	ng	100
66) n-Nitrosodiphenylamine	15.704	169	1414490	39.580	ng	100
67) 4-Bromophenyl-phenylether	16.380	248	532750	39.119	ng	100
68) Hexachlorobenzene	16.498	284	592070	38.661	ng	100
69) Atrazine	16.651	200	302291	38.381	ng	100
70) Pentachlorophenol	16.839	266	380031	39.488	ng	100
71) Phenanthrene	17.227	178	2579008	39.376	ng	100
72) Anthracene	17.322	178	2514440	39.641	ng	100
73) Carbazole	17.586	167	2338547	40.709	ng	100
74) Di-n-butylphthalate	18.163	149	2552958	40.548	ng	100
75) Fluoranthene	19.245	202	3065801	40.657	ng	100
77) Benzidine	19.427	184	504419	35.039	ng	100
78) Pyrene	19.604	202	3182324	38.013	ng	100
80) Butylbenzylphthalate	20.510	149	1035949	39.874	ng	100
81) Benzo(a)anthracene	21.410	228	3132766	39.142	ng	100
82) 3,3'-Dichlorobenzidine	21.333	252	985353	37.814	ng	100
83) Chrysene	21.468	228	2977456	39.245	ng	100
84) Bis(2-ethylhexyl)phtha...	21.339	149	1624965	40.133	ng	100
85) Di-n-octyl phthalate	22.480	149	2419176	38.441	ng	100
87) Indeno(1,2,3-cd)pyrene	27.844	276	3252652	39.769	ng	100
88) Benzo(b)fluoranthene	23.492	252	3021800	39.482	ng	100
89) Benzo(k)fluoranthene	23.551	252	2934888	38.970	ng	100
90) Benzo(a)pyrene	24.298	252	2545218	39.591	ng	100
91) Dibenzo(a,h)anthracene	27.903	278	2700706	39.633	ng	100
92) Benzo(g,h,i)perylene	28.903	276	2735035	39.847	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049710.D
Acq On : 13 Mar 2025 11:39
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

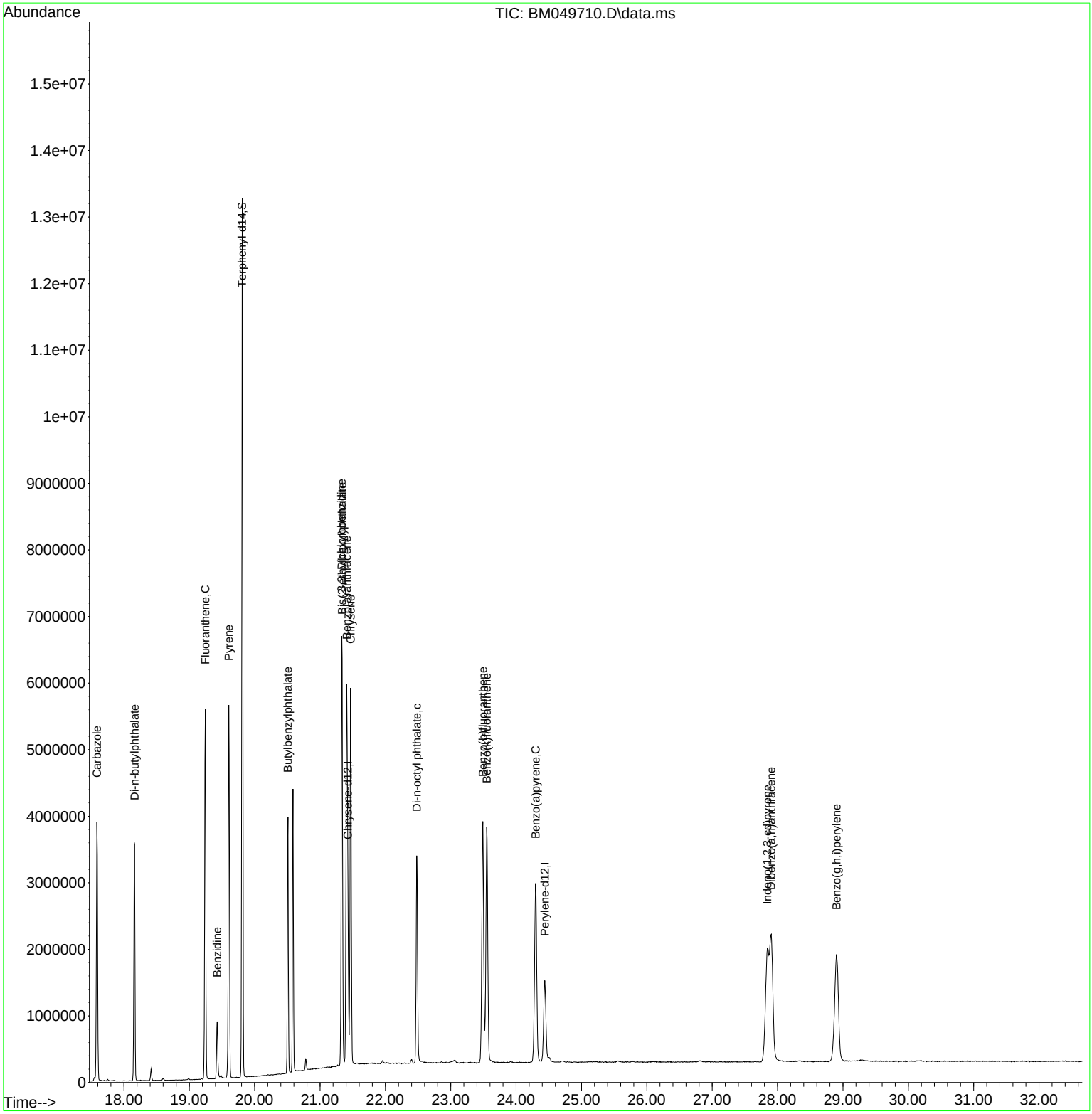
Quant Time: Mar 13 14:41:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

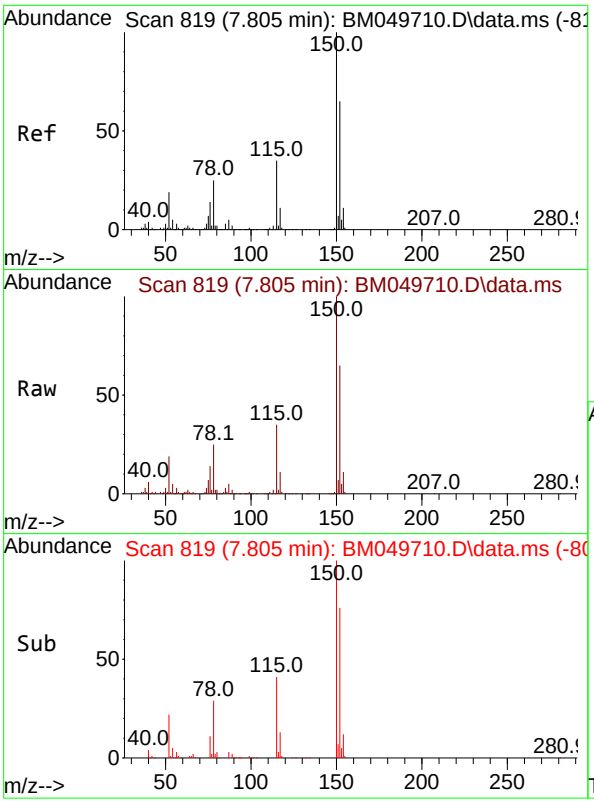


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049710.D
Acq On : 13 Mar 2025 11:39
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Mar 13 14:41:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration



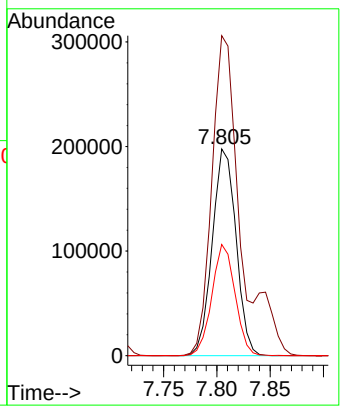


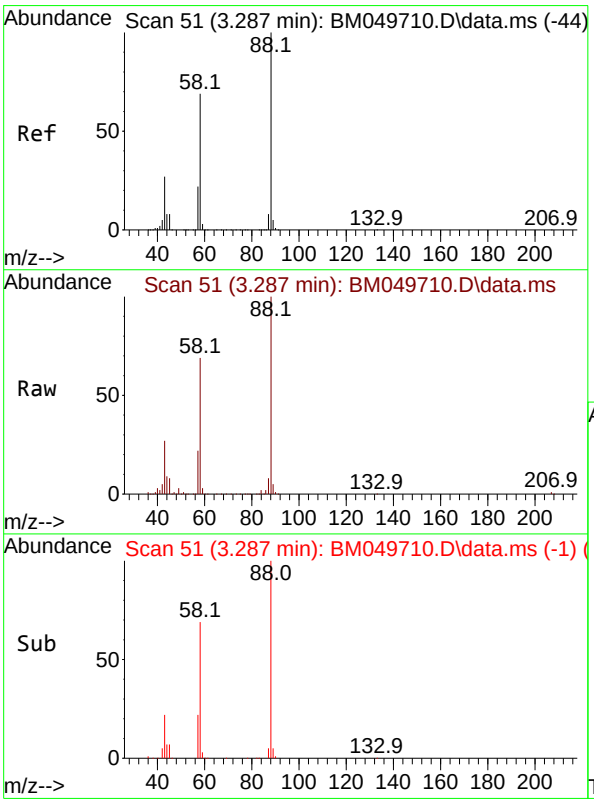
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 306869

Ion	Ratio	Lower	Upper
152	100		
150	154.8	123.8	185.8
115	53.8	43.0	64.6

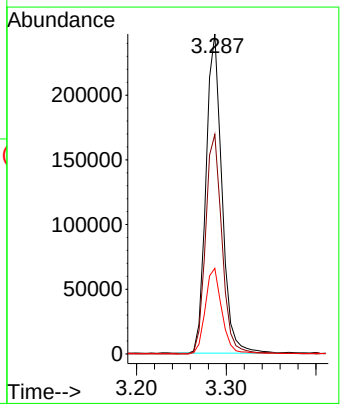


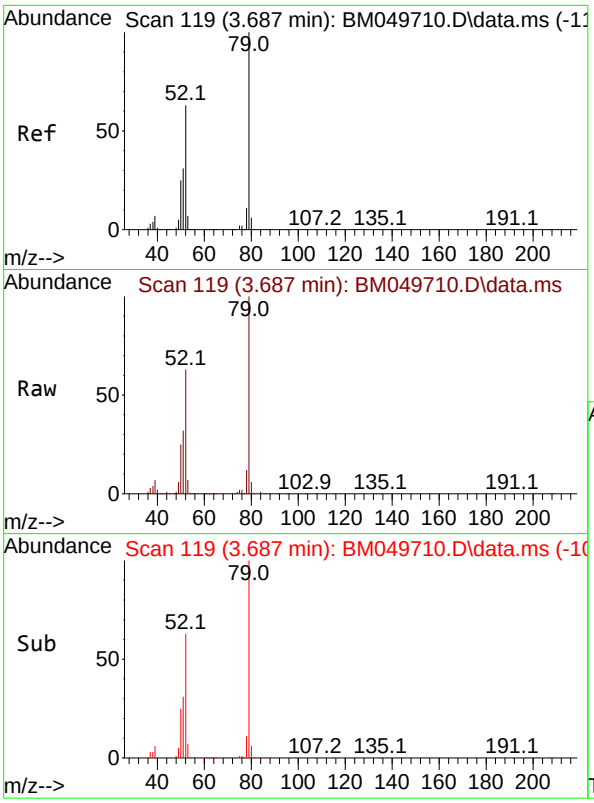


#2
1,4-Dioxane
Concen: 38.713 ng
RT: 3.287 min Scan# 51
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 88 Resp: 304783

Ion	Ratio	Lower	Upper
88	100		
58	70.9	56.7	85.1
43	28.3	22.6	34.0



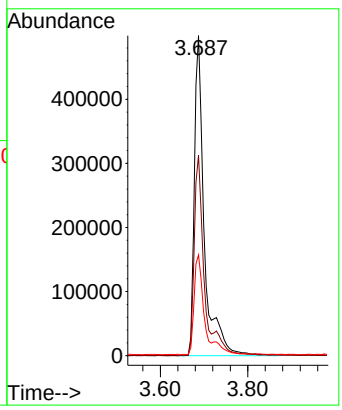


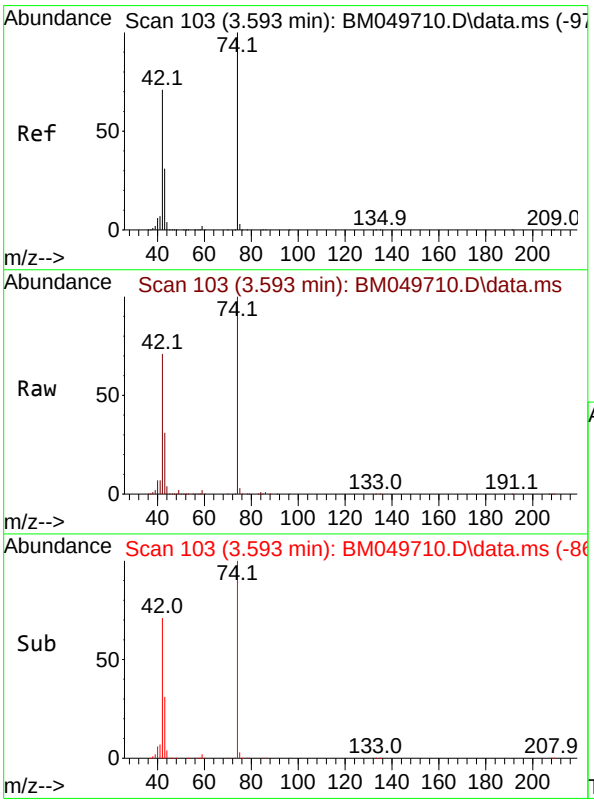
#3
Pyridine
Concen: 39.607 ng
RT: 3.687 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 797353

Ion	Ratio	Lower	Upper
79	100		
52	62.6	50.1	75.1
51	31.5	25.2	37.8

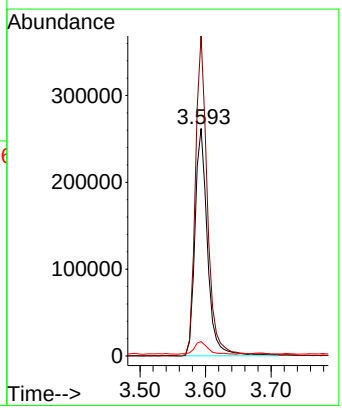


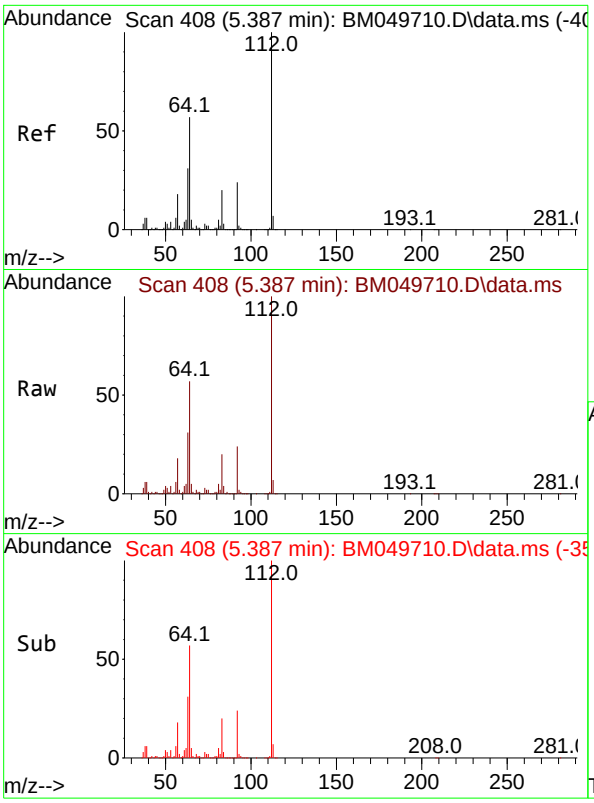


#4
n-Nitrosodimethylamine
Concen: 38.989 ng
RT: 3.593 min Scan# 103
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 42 Resp: 346864

Ion	Ratio	Lower	Upper
42	100		
74	140.7	112.6	168.8
44	6.3	5.0	7.6



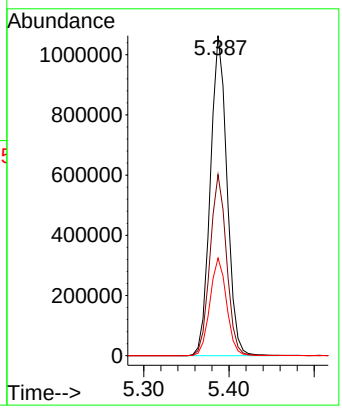


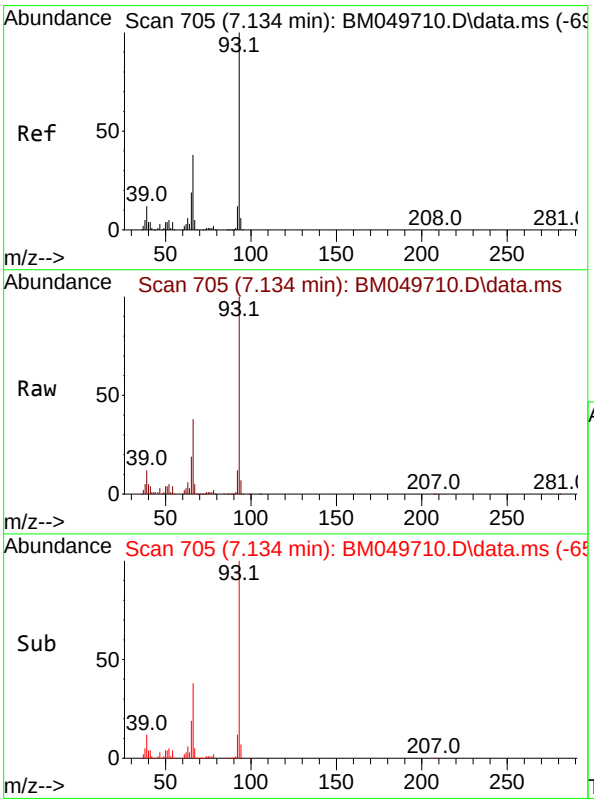
#5
2-Fluorophenol
Concen: 79.378 ng
RT: 5.387 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1443630

Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.3	67.9
63	30.5	24.4	36.6

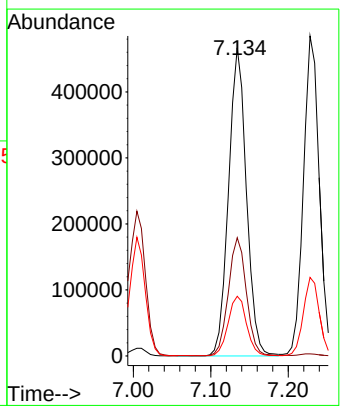


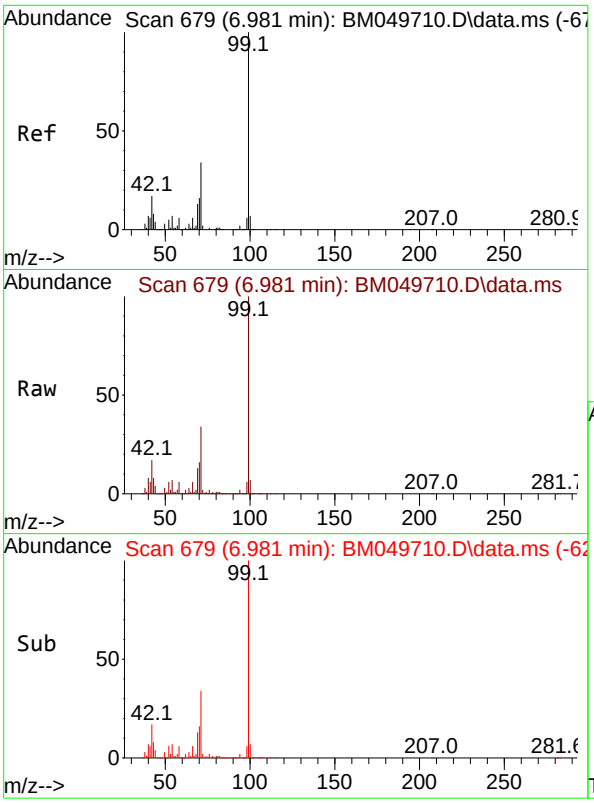


#6
Aniline
Concen: 39.180 ng
RT: 7.134 min Scan# 705
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 93 Resp: 749171

Ion	Ratio	Lower	Upper
93	100		
66	38.3	30.6	46.0
65	19.3	15.4	23.2



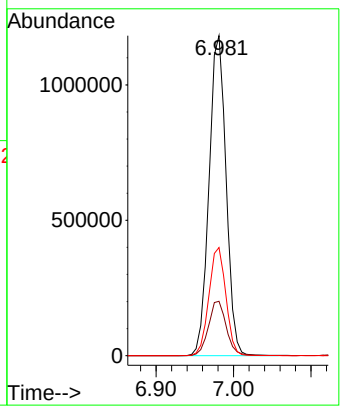


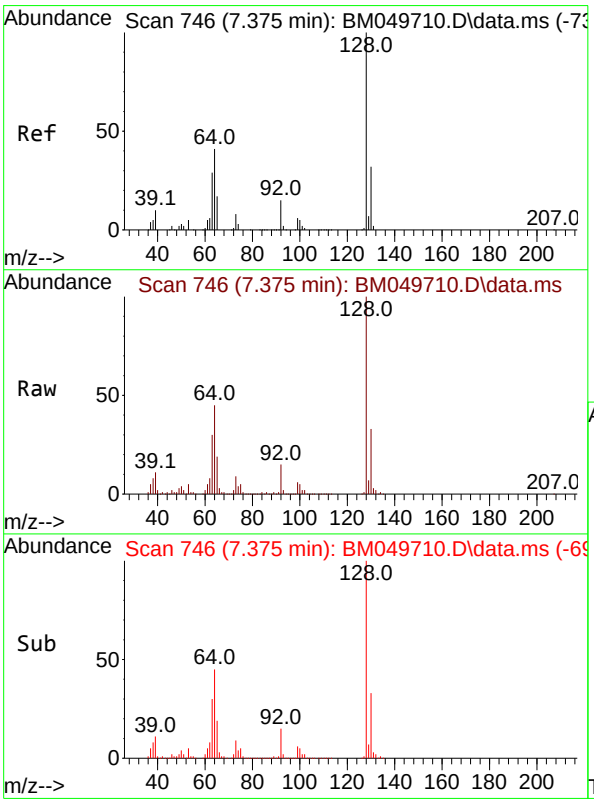
#7
Phenol-d6
Concen: 79.073 ng
RT: 6.981 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1804713

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.6	20.4
71	33.8	27.0	40.6

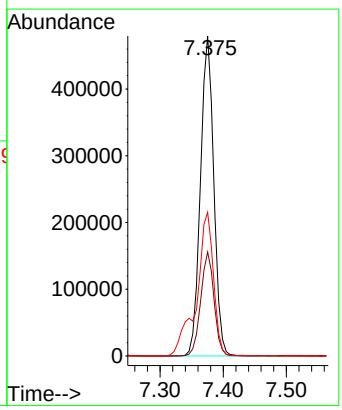


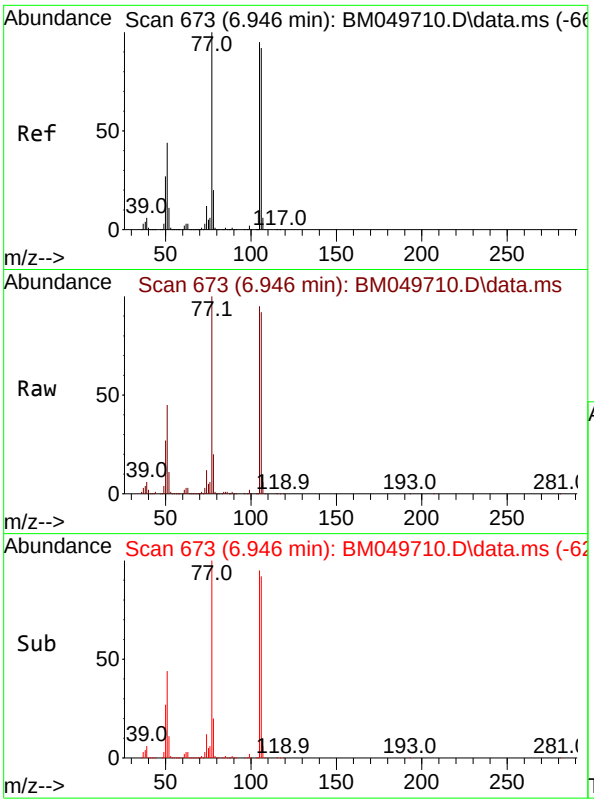


#8
2-Chlorophenol
Concen: 39.119 ng
RT: 7.375 min Scan# 746
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:128 Resp: 704524

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.5	52.5
64	44.9	24.9	64.9



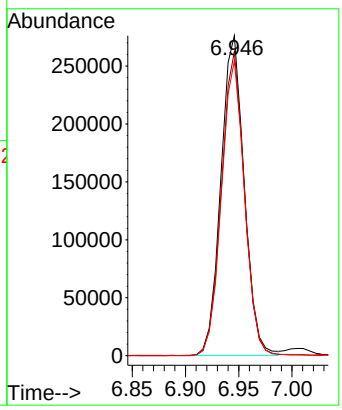


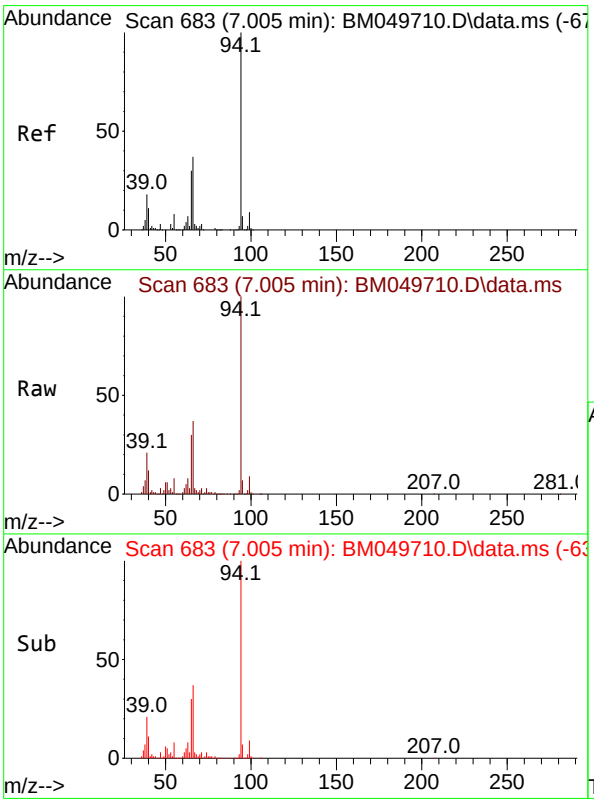
#9
Benzaldehyde
Concen: 37.156 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 419230

Ion	Ratio	Lower	Upper
77	100		
105	95.0	75.0	115.0
106	92.3	72.3	112.3

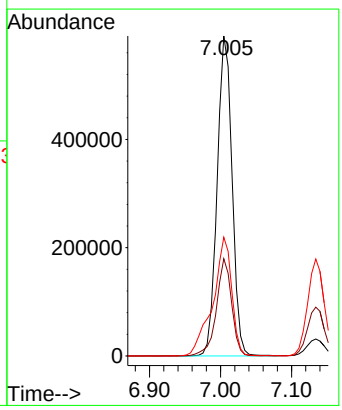


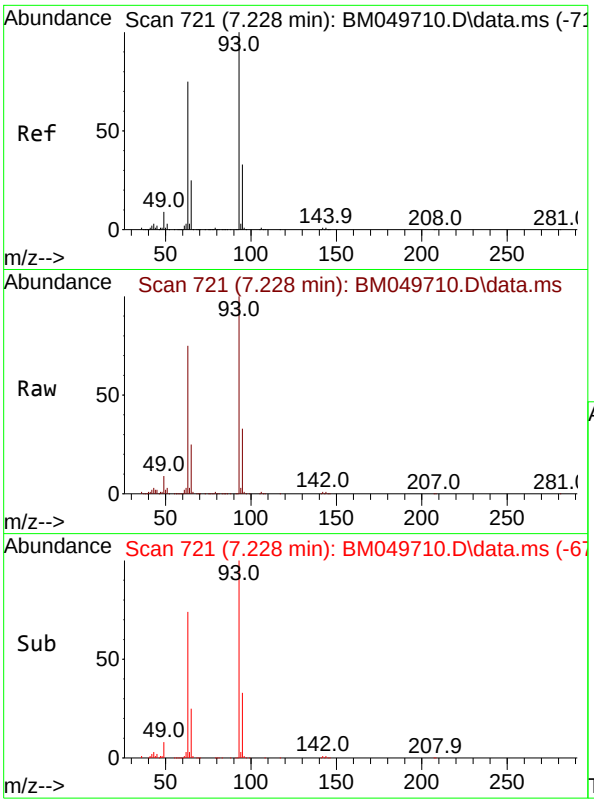


#10
Phenol
Concen: 38.837 ng
RT: 7.005 min Scan# 683
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 94 Resp: 859475

Ion	Ratio	Lower	Upper
94	100		
65	30.4	10.4	50.4
66	37.1	17.1	57.1



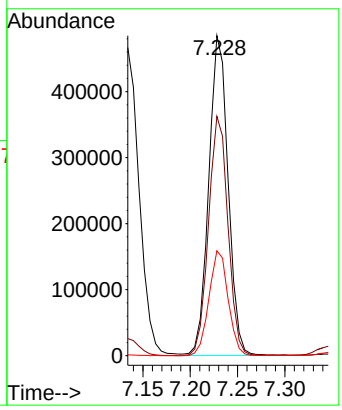


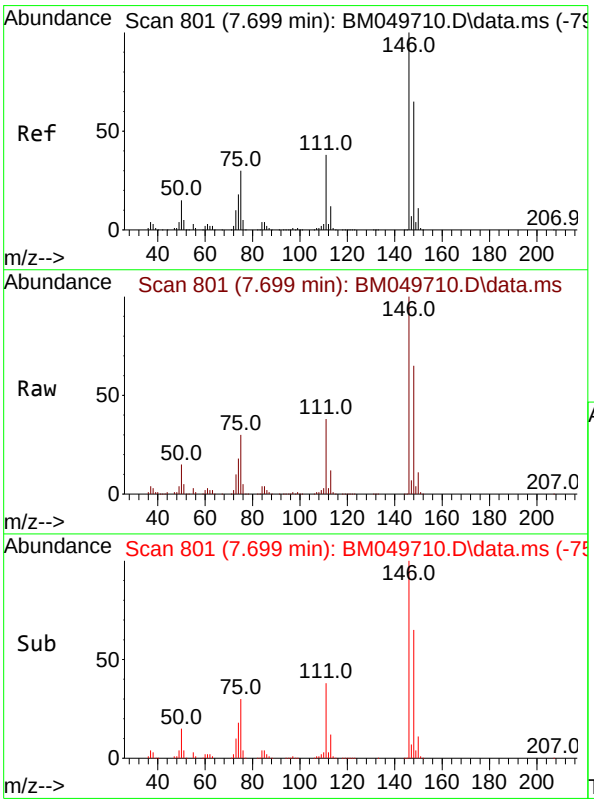
#11
bis(2-Chloroethyl)ether
Concen: 38.429 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 688676

Ion	Ratio	Lower	Upper
93	100		
63	74.8	54.8	94.8
95	32.8	12.8	52.8

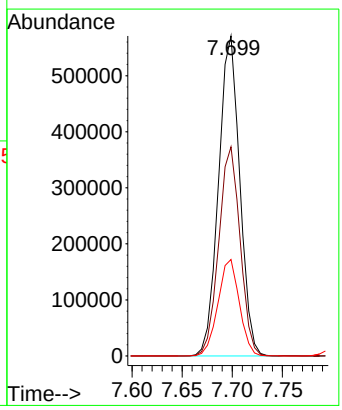


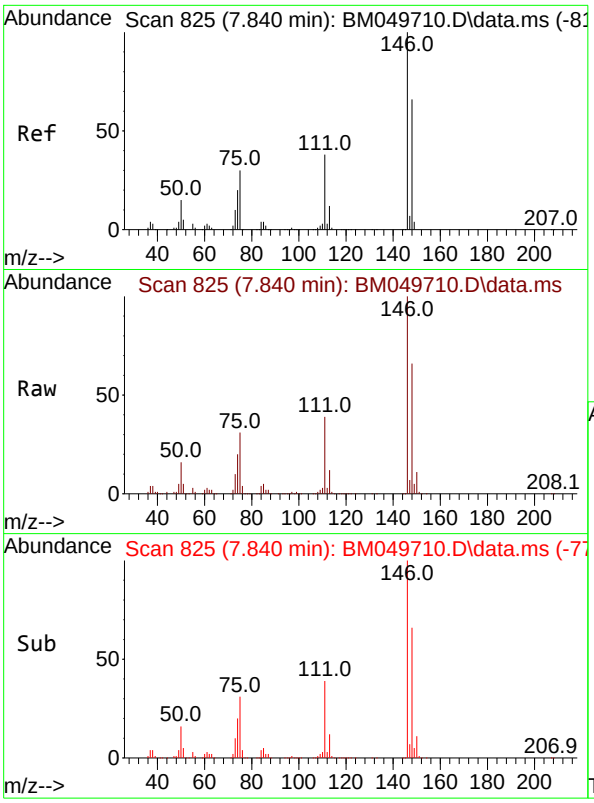


#12
1,3-Dichlorobenzene
Concen: 38.320 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:146 Resp: 838709

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.3	78.5
75	30.2	24.2	36.2



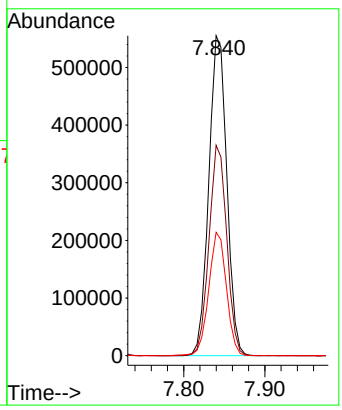


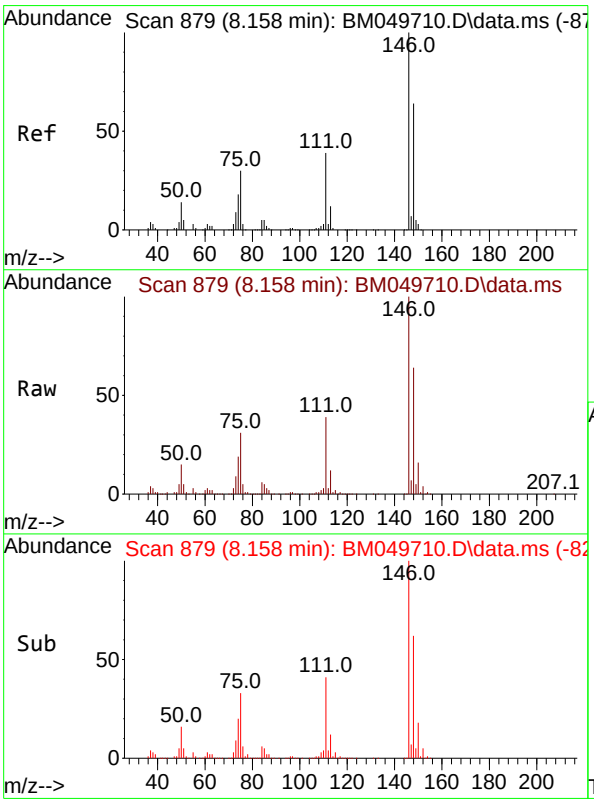
#13
1,4-Dichlorobenzene
Concen: 38.649 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 853391

Ion	Ratio	Lower	Upper
146	100		
148	65.8	52.6	79.0
111	38.5	30.8	46.2

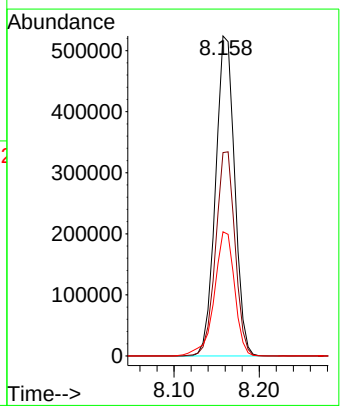


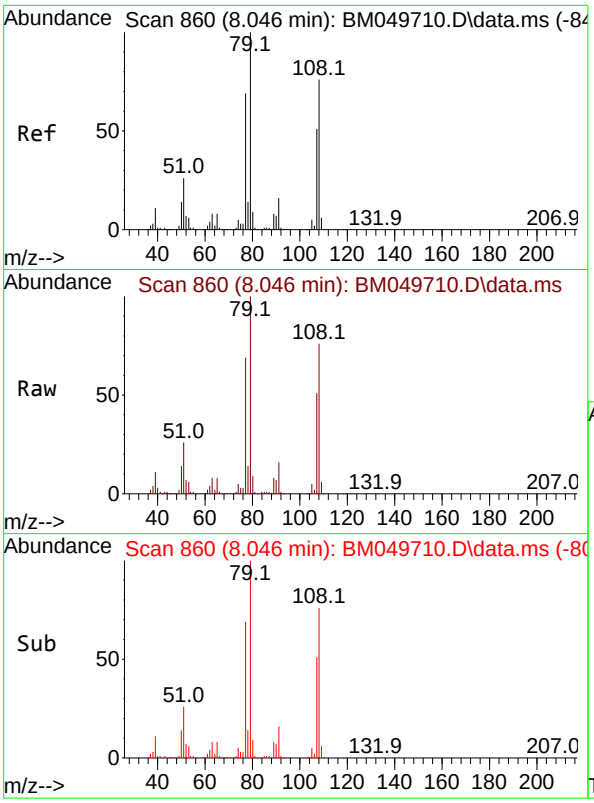


#14
1,2-Dichlorobenzene
Concen: 38.900 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:146 Resp: 816305

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.9	76.3
111	38.8	31.0	46.6



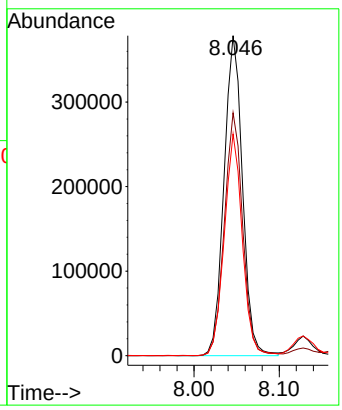


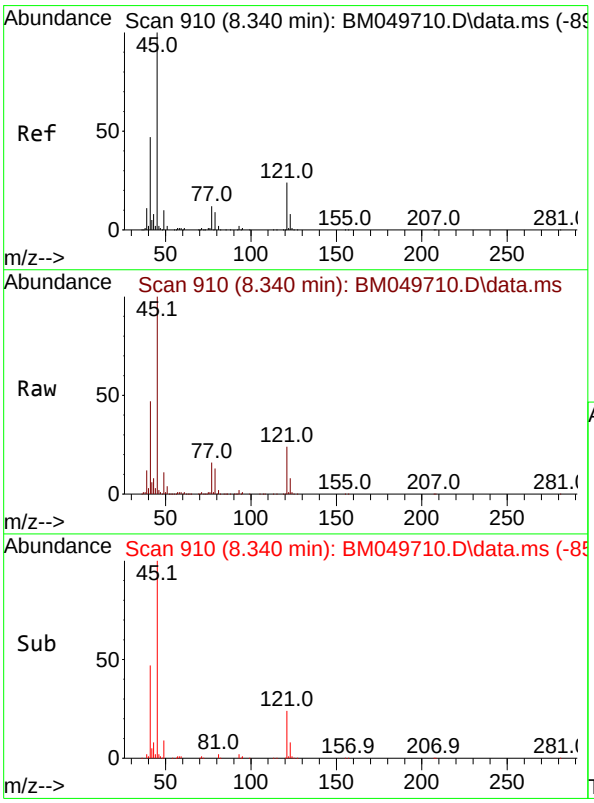
#15
Benzyl Alcohol
Concen: 39.810 ng
RT: 8.046 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 570190

Ion	Ratio	Lower	Upper
79	100		
108	75.9	60.7	91.1
77	69.3	55.4	83.2

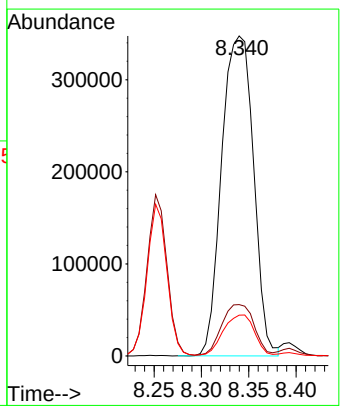


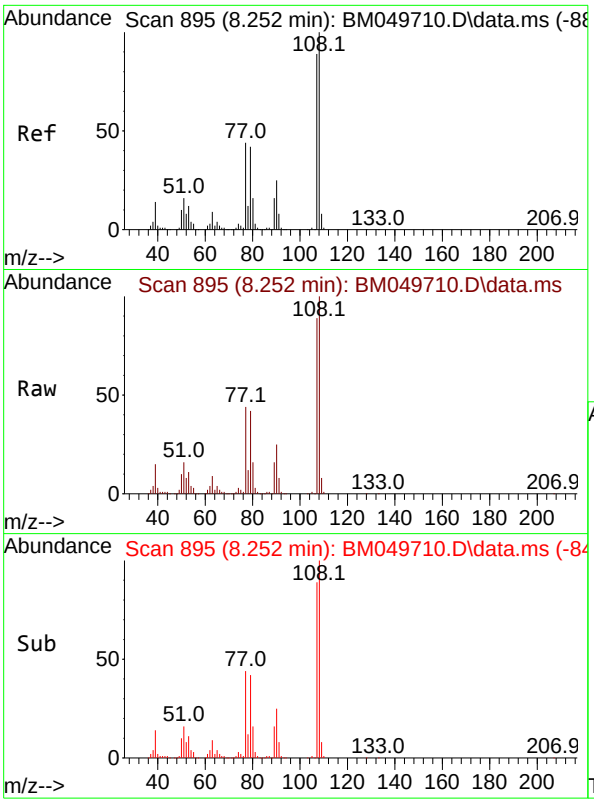


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.560 ng
RT: 8.340 min Scan# 910
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 45 Resp: 812183

Ion	Ratio	Lower	Upper
45	100		
77	16.1	0.0	36.1
79	12.8	0.0	32.8



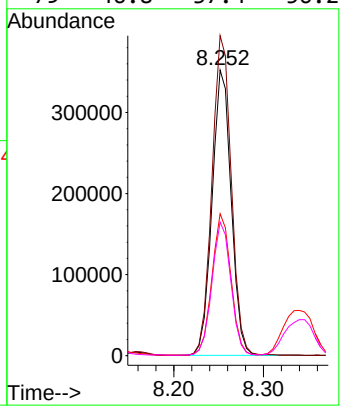


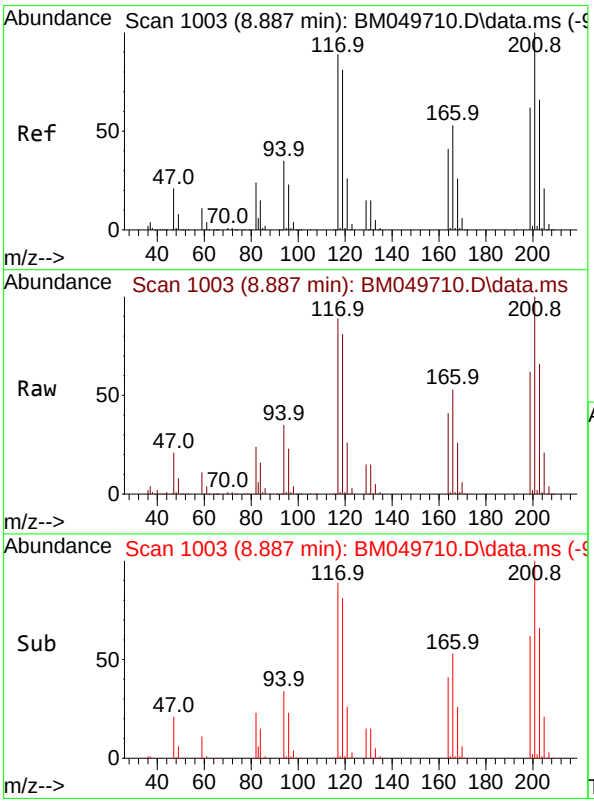
#17
2-Methylphenol
Concen: 39.543 ng
RT: 8.252 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 519545

Ion	Ratio	Lower	Upper
107	100		
108	112.0	89.6	134.4
77	49.7	39.8	59.6
79	46.8	37.4	56.2

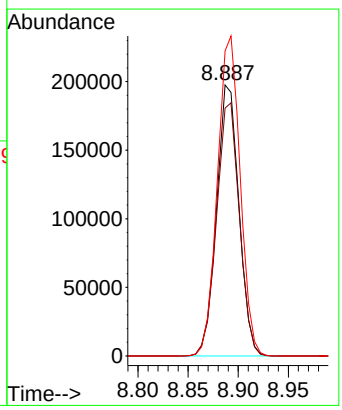


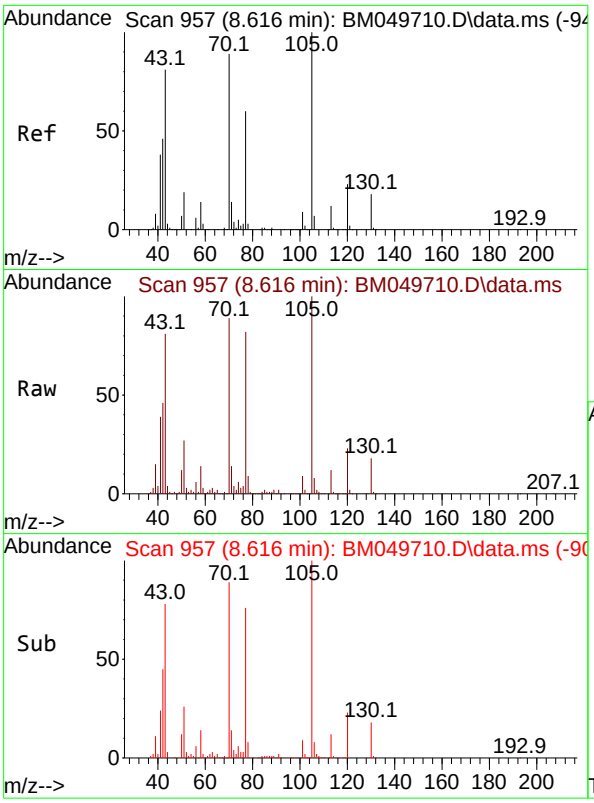


#18
Hexachloroethane
Concen: 39.304 ng
RT: 8.887 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:117 Resp: 306470

Ion	Ratio	Lower	Upper
117	100		
119	91.4	73.1	109.7
201	112.5	90.0	135.0



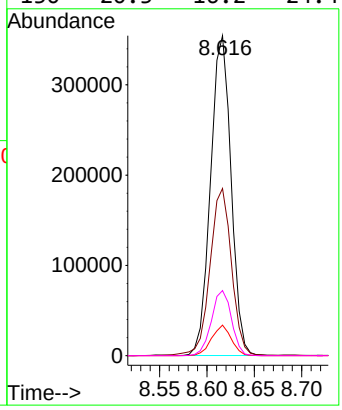


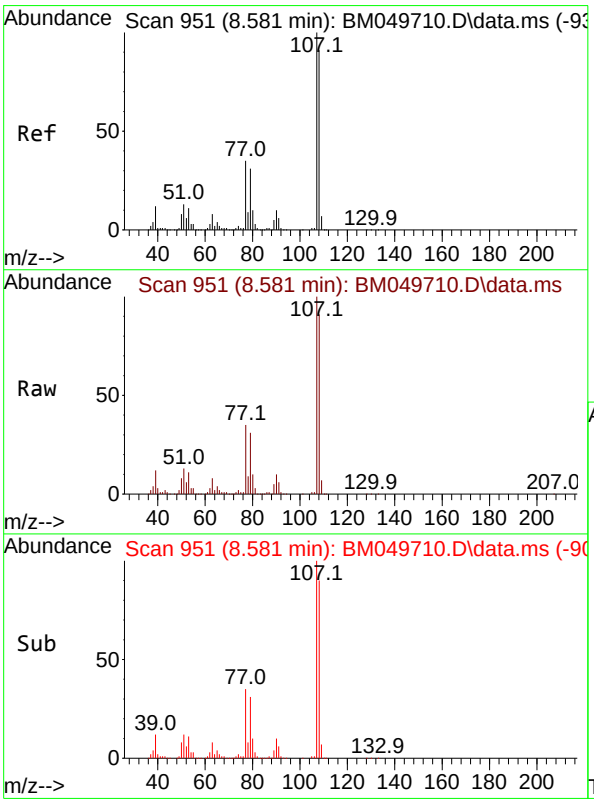
#19
n-Nitroso-di-n-propylamine
Concen: 40.220 ng
RT: 8.616 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 532286

Ion	Ratio	Lower	Upper
70	100		
42	52.2	41.8	62.6
101	9.6	7.7	11.5
130	20.3	16.2	24.4

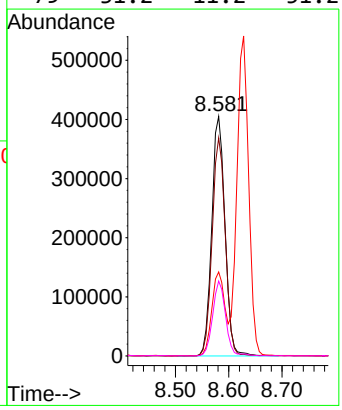


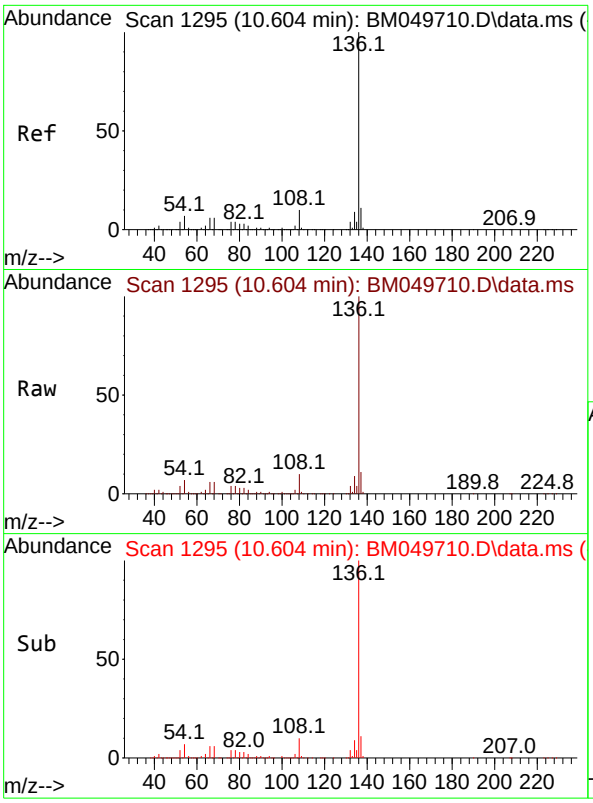


#20
3+4-Methylphenols
Concen: 39.694 ng
RT: 8.581 min Scan# 951
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:107 Resp: 698917

Ion	Ratio	Lower	Upper
107	100		
108	91.0	71.0	111.0
77	35.1	15.1	55.1
79	31.2	11.2	51.2



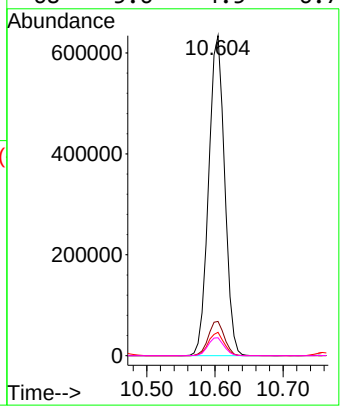


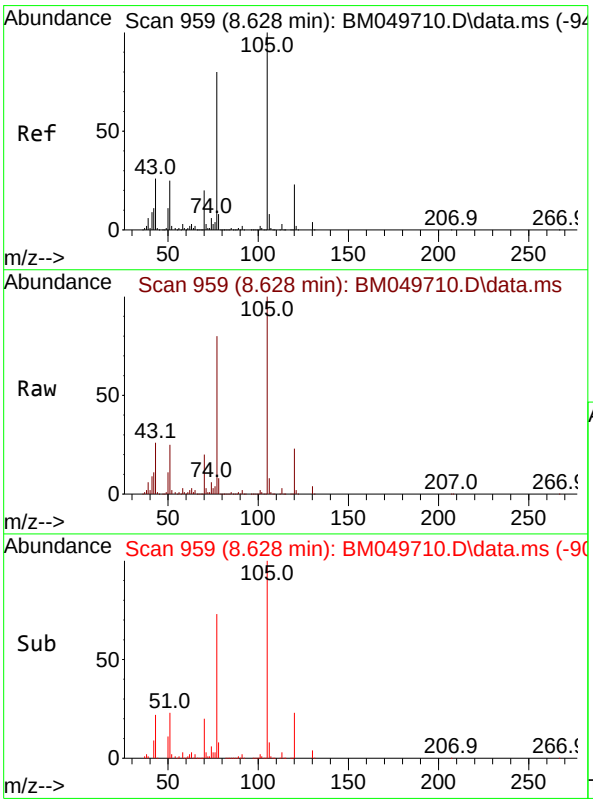
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1035933

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	7.3	5.8	8.8
68	5.6	4.5	6.7

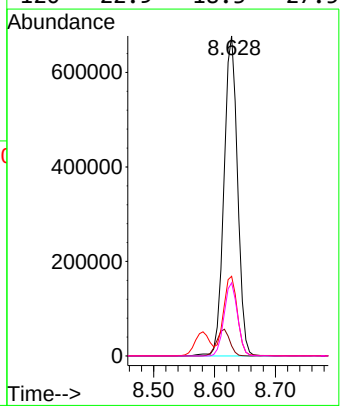


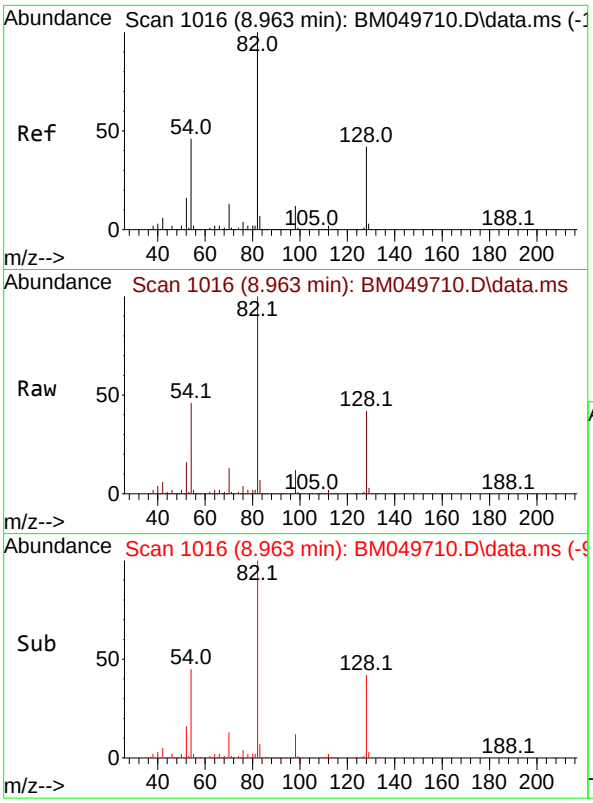


#22
Acetophenone
Concen: 39.287 ng
RT: 8.628 min Scan# 959
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:105 Resp: 1049385

Ion	Ratio	Lower	Upper
105	100		
71	3.1	2.5	3.7
51	24.9	19.9	29.9
120	22.9	18.3	27.5



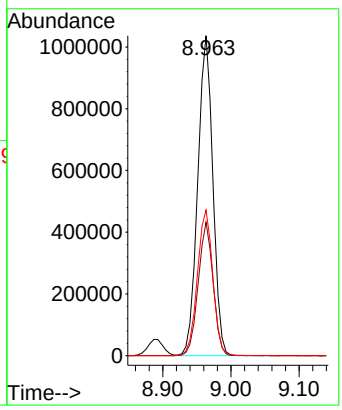


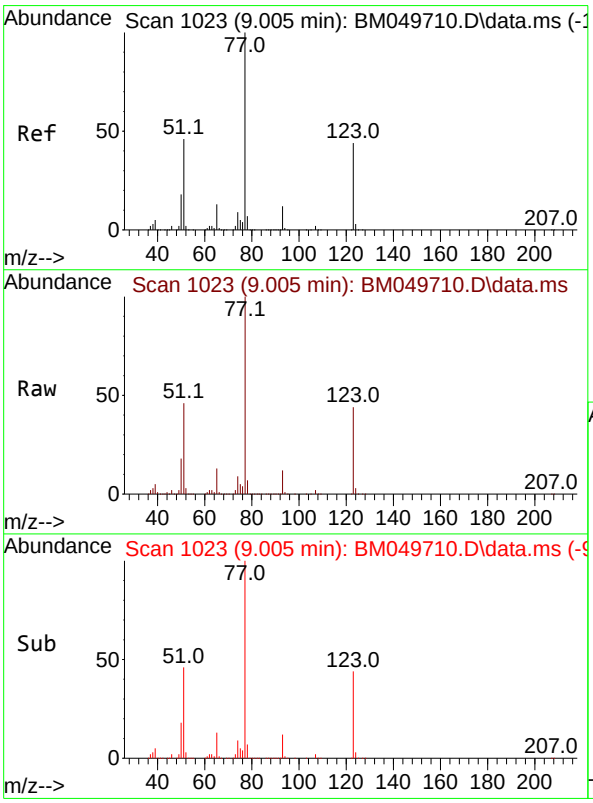
#23
Nitrobenzene-d5
Concen: 79.090 ng
RT: 8.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1595818

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.4	50.0
54	45.5	36.4	54.6

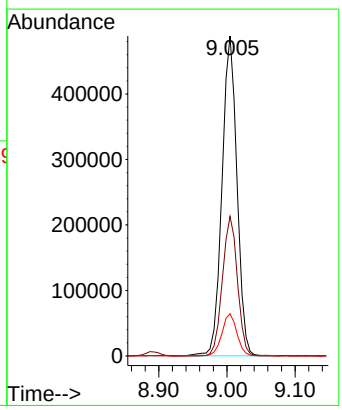


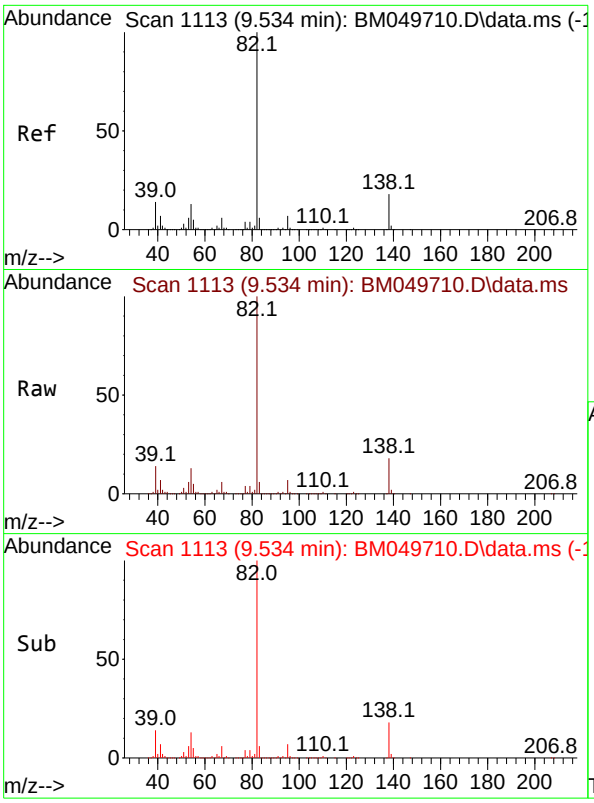


#24
Nitrobenzene
Concen: 39.175 ng
RT: 9.005 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 77 Resp: 745329

Ion	Ratio	Lower	Upper
77	100		
123	43.6	34.9	52.3
65	13.2	10.6	15.8



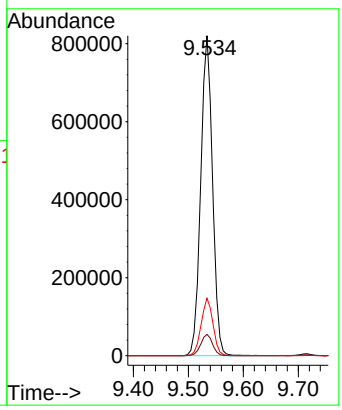


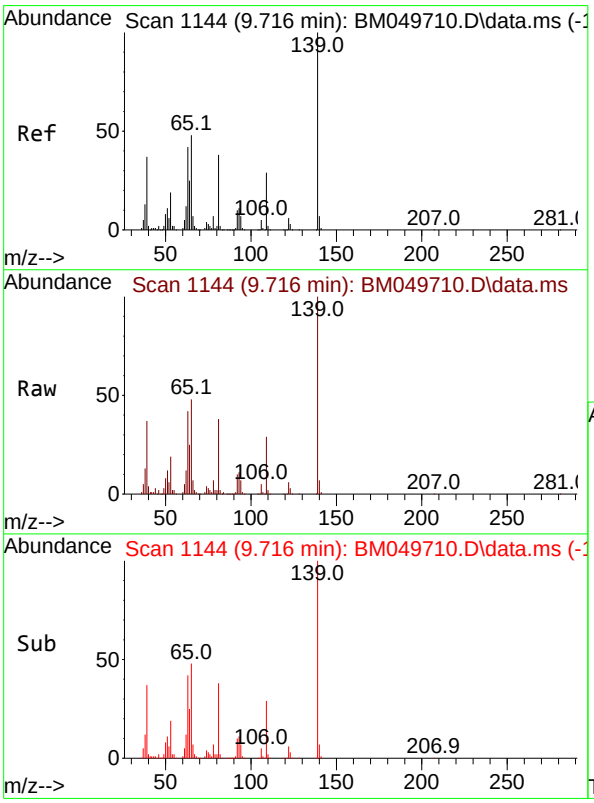
#25
Isophorone
Concen: 39.484 ng
RT: 9.534 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1223198

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.3	7.9
138	18.0	14.4	21.6

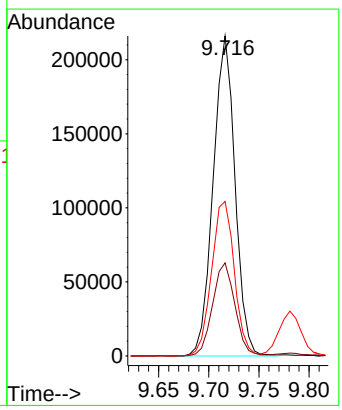


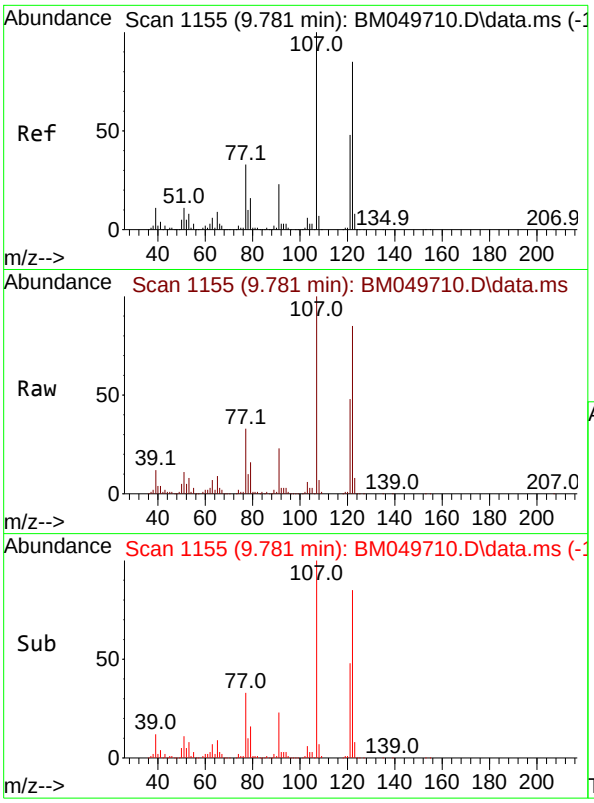


#26
2-Nitrophenol
Concen: 40.328 ng
RT: 9.716 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:139 Resp: 326569

Ion	Ratio	Lower	Upper
139	100		
109	29.1	23.3	34.9
65	48.3	38.6	58.0



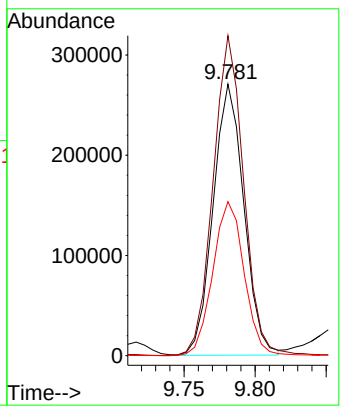


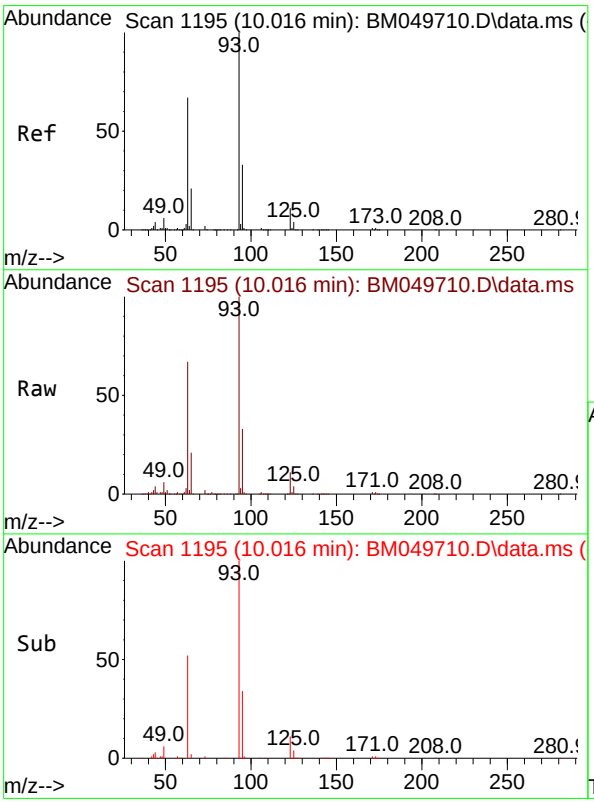
#27
2,4-Dimethylphenol
Concen: 39.514 ng
RT: 9.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 407285

Ion	Ratio	Lower	Upper
122	100		
107	117.9	94.3	141.5
121	56.8	45.4	68.2

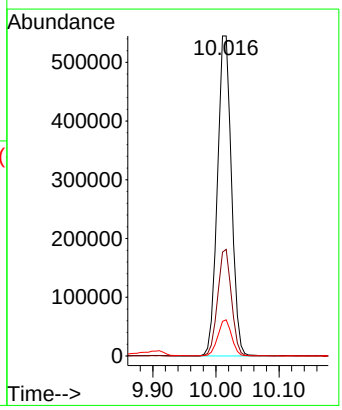


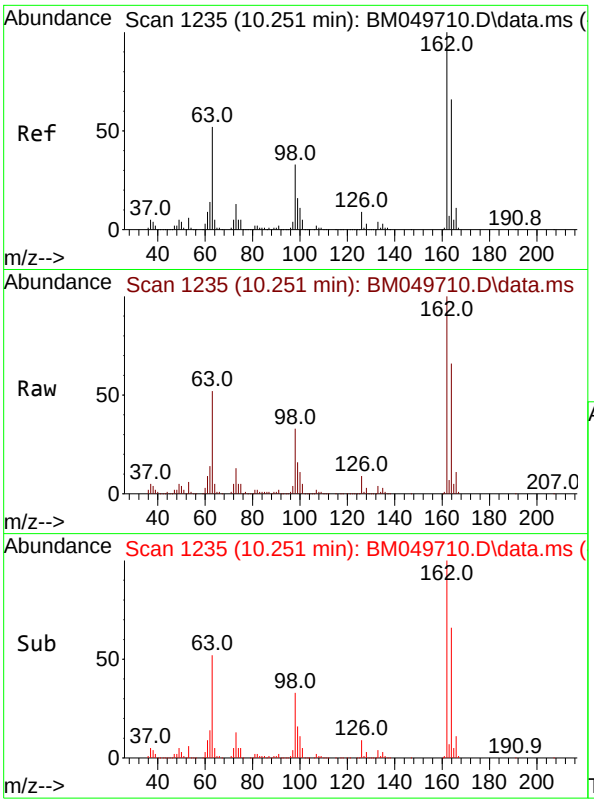


#28
bis(2-Chloroethoxy)methane
Concen: 38.655 ng
RT: 10.016 min Scan# 1195
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 93 Resp: 843433

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.6	40.0
123	11.3	9.0	13.6



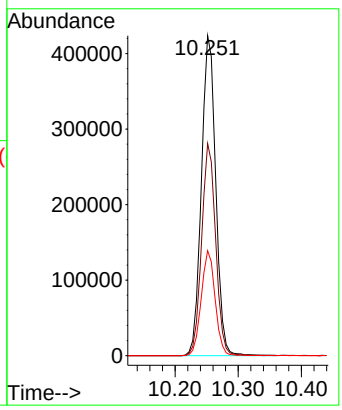


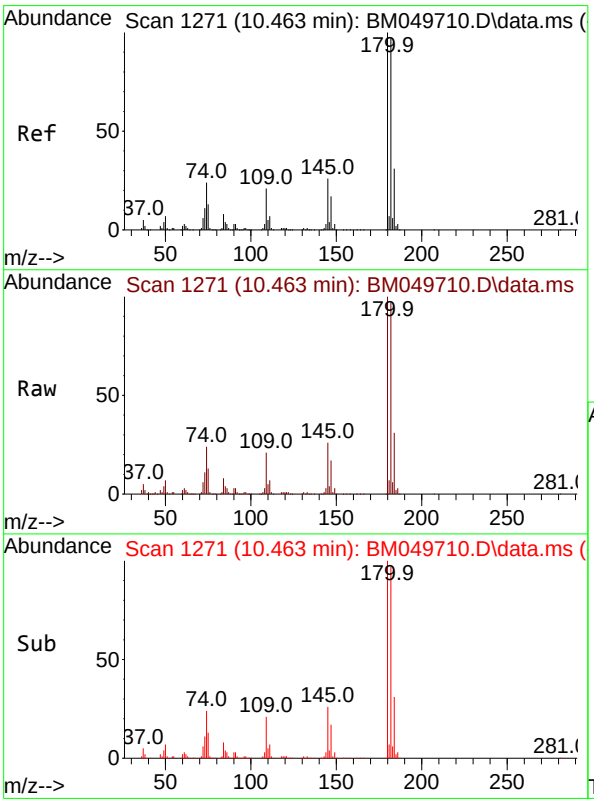
#29
2,4-Dichlorophenol
Concen: 39.804 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 668537

Ion	Ratio	Lower	Upper
162	100		
164	66.3	46.3	86.3
98	32.8	12.8	52.8

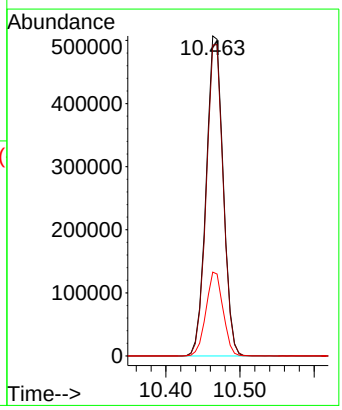


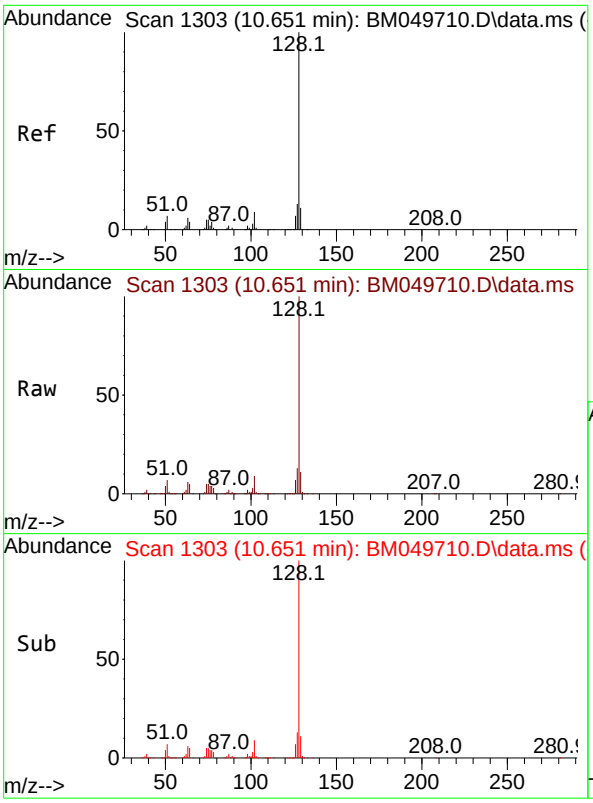


#30
1,2,4-Trichlorobenzene
Concen: 38.523 ng
RT: 10.463 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:180 Resp: 809518

Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.7	116.5
145	26.2	21.0	31.4



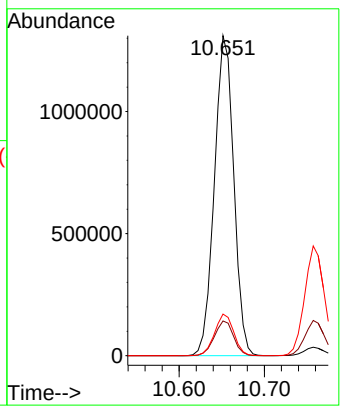


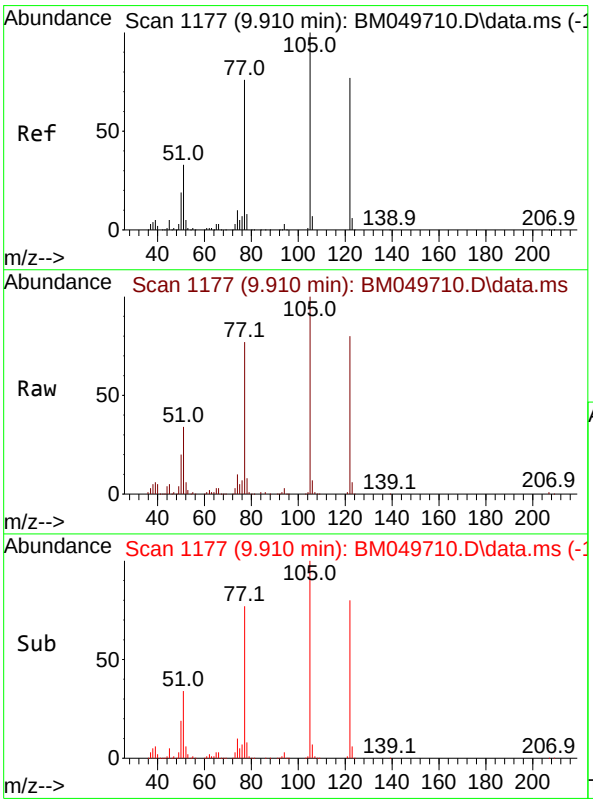
#31
Naphthalene
Concen: 38.821 ng
RT: 10.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2067950

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.0	10.4	15.6

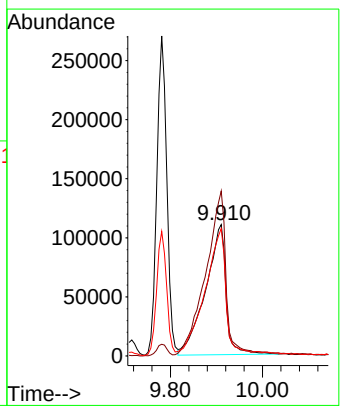


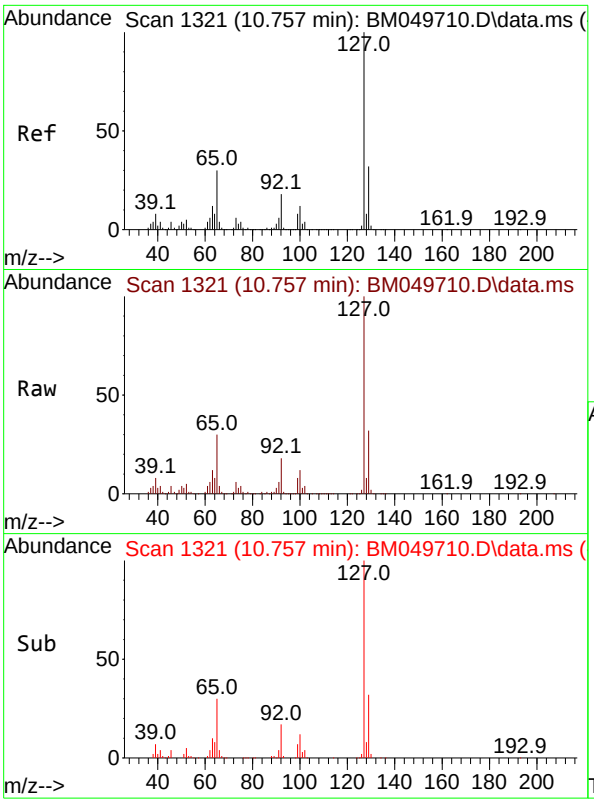


#32
Benzoic acid
Concen: 38.761 ng
RT: 9.910 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:122 Resp: 339891

Ion	Ratio	Lower	Upper
122	100		
105	125.6	105.6	145.6
77	96.9	76.9	116.9



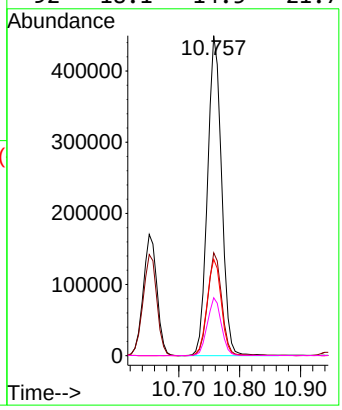


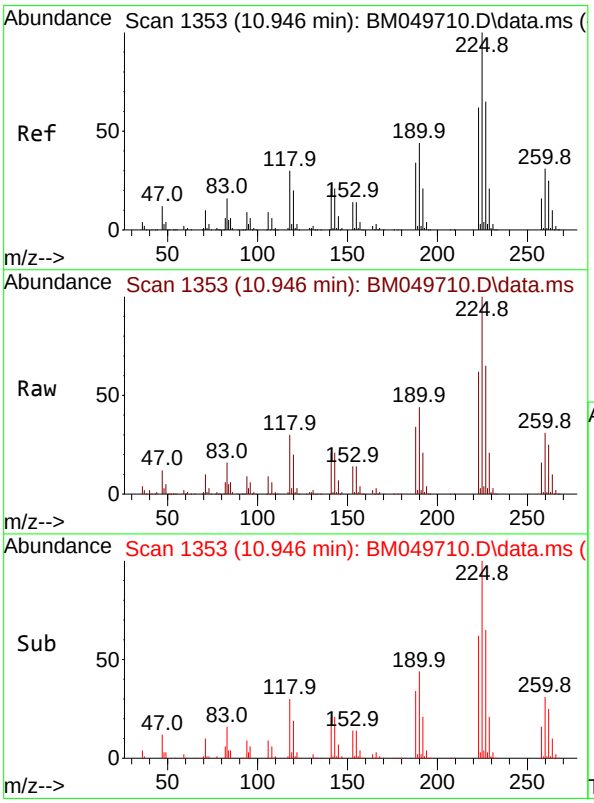
#33
4-Chloroaniline
Concen: 39.833 ng
RT: 10.757 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 724131

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	30.1	24.1	36.1
92	18.1	14.5	21.7

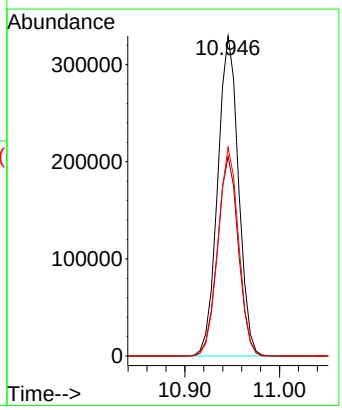


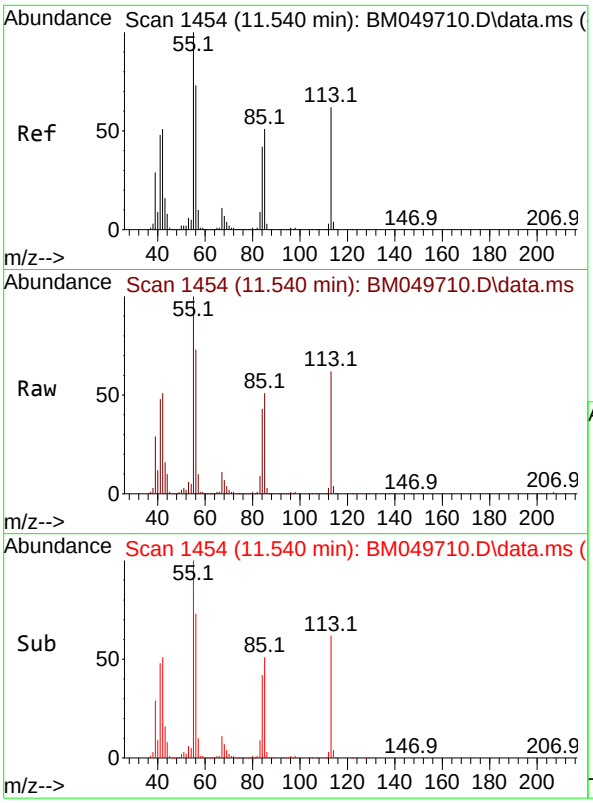


#34
Hexachlorobutadiene
Concen: 38.741 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:225 Resp: 502566

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.8
227	65.1	52.1	78.1



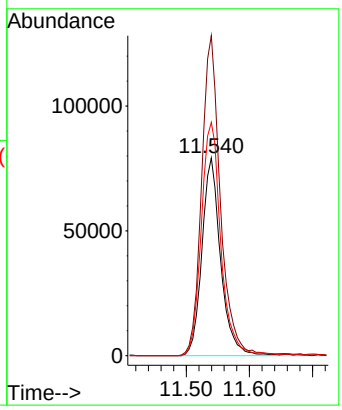


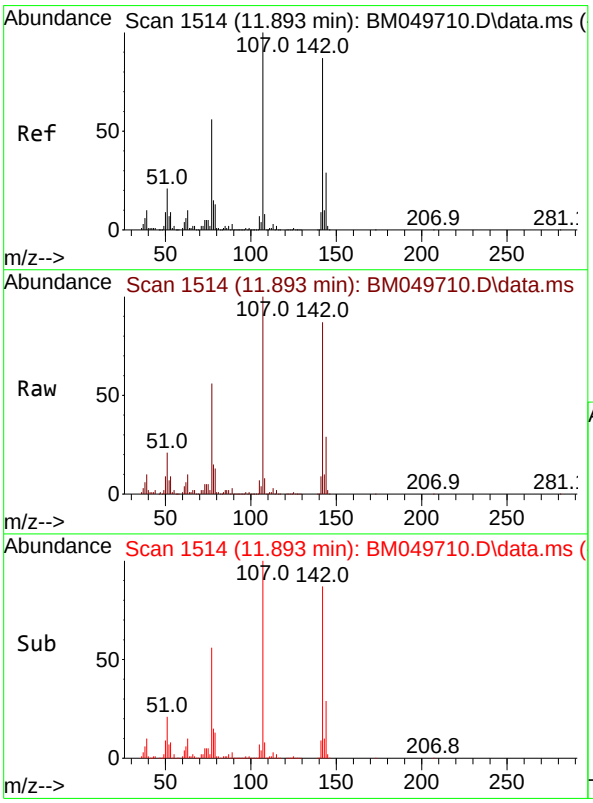
#35
Caprolactam
Concen: 41.684 ng
RT: 11.540 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 162546

Ion	Ratio	Lower	Upper
113	100		
55	161.8	141.8	181.8
56	118.0	98.0	138.0

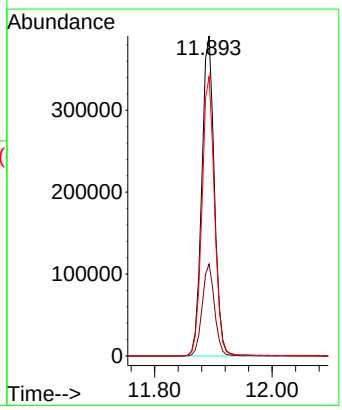


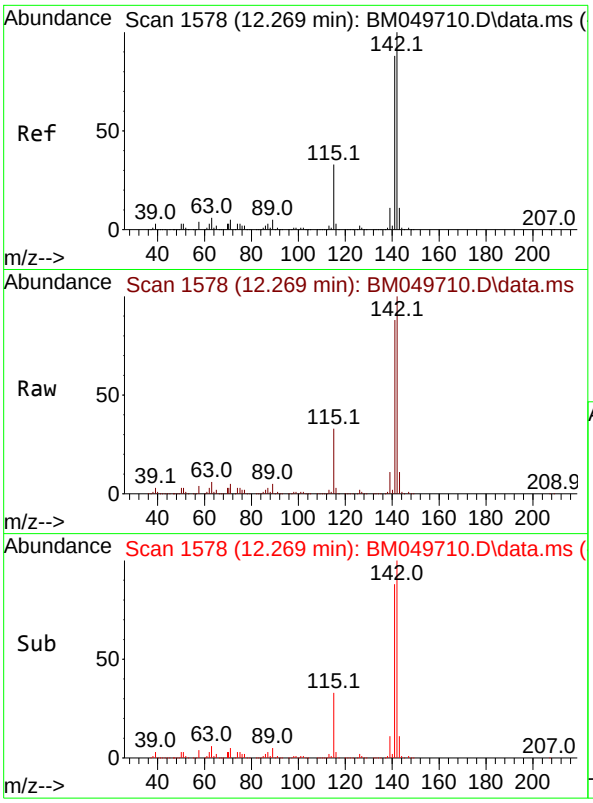


#36
4-Chloro-3-methylphenol
Concen: 40.328 ng
RT: 11.893 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:107 Resp: 581269

Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.0	34.6
142	87.3	69.8	104.8



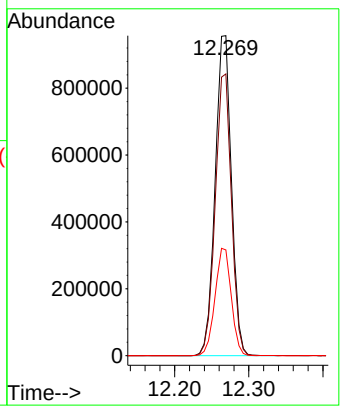


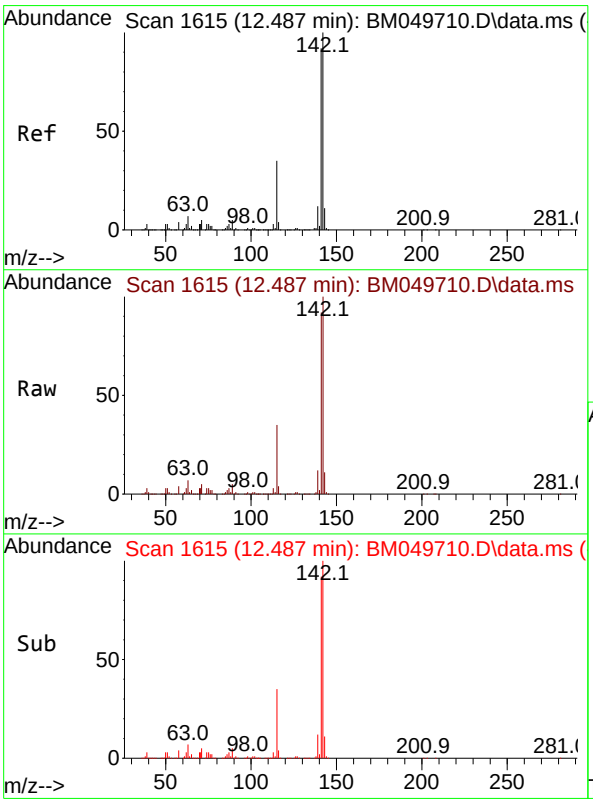
#37
2-Methylnaphthalene
Concen: 39.160 ng
RT: 12.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1458607

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.5	105.7
115	33.1	26.5	39.7

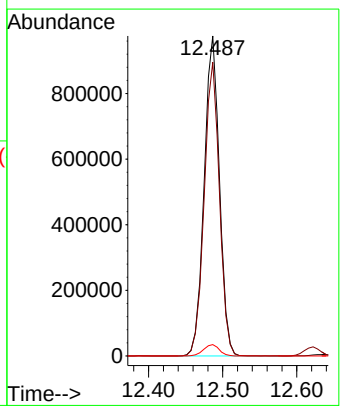


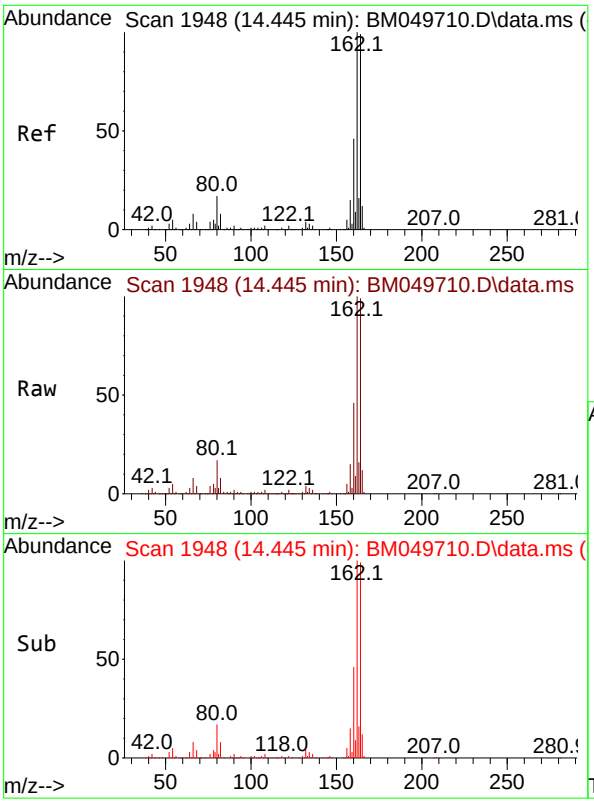


#38
1-Methylnaphthalene
Concen: 38.887 ng
RT: 12.487 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:142 Resp: 1397474

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.4	110.2
116	3.5	2.8	4.2



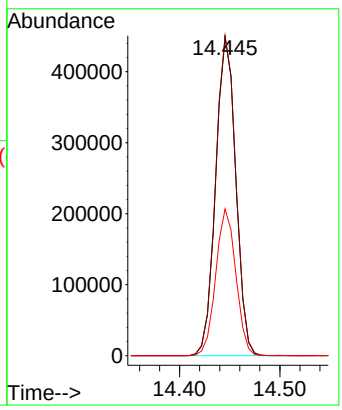


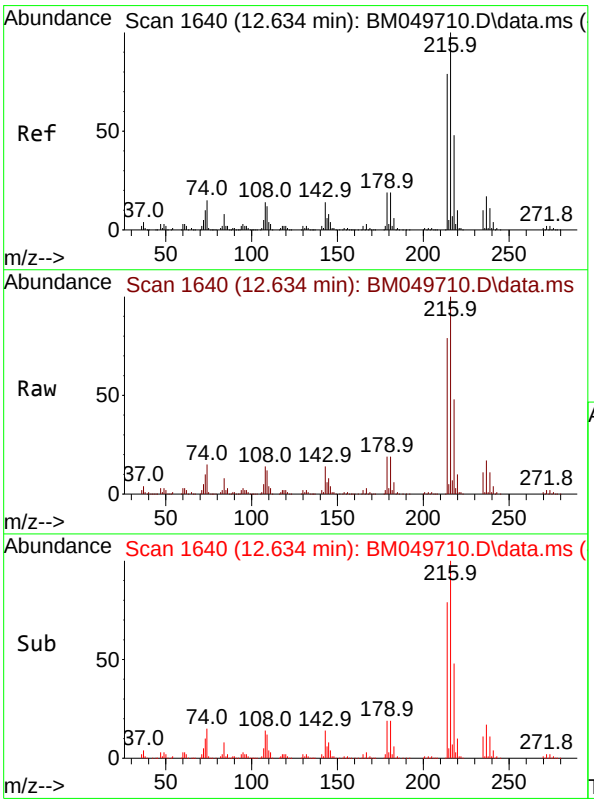
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 623426

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.5	120.7
160	46.1	36.9	55.3

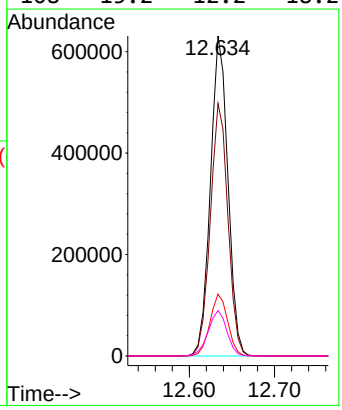


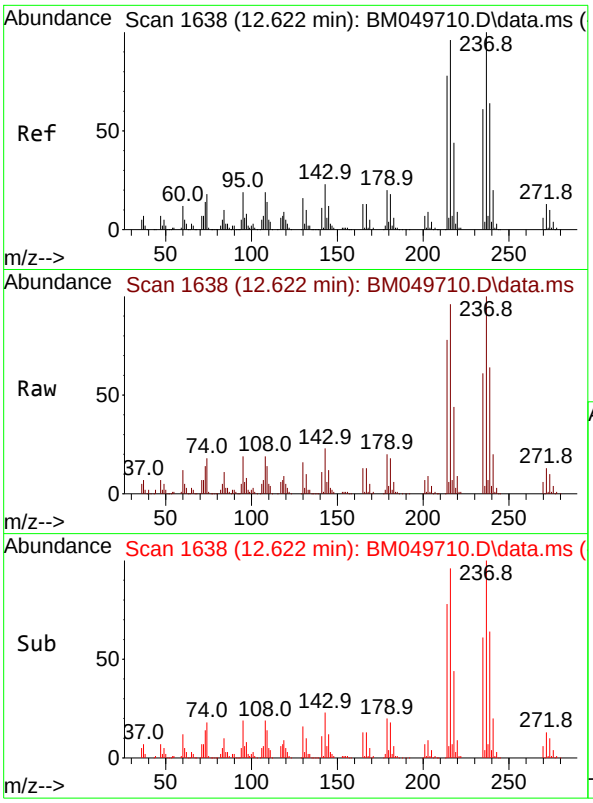


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.219 ng
RT: 12.634 min Scan# 1640
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:216 Resp: 898103

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.5	95.3
179	19.6	15.7	23.5
108	15.2	12.2	18.2



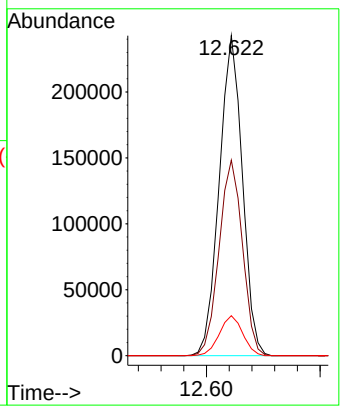


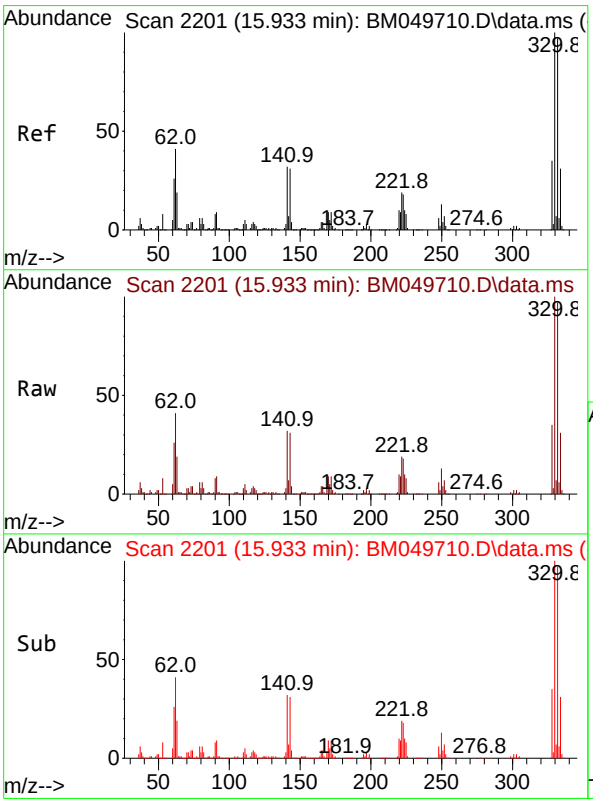
#41
Hexachlorocyclopentadiene
Concen: 40.446 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 343127

Ion	Ratio	Lower	Upper
237	100		
235	61.1	41.1	81.1
272	12.5	0.0	32.5

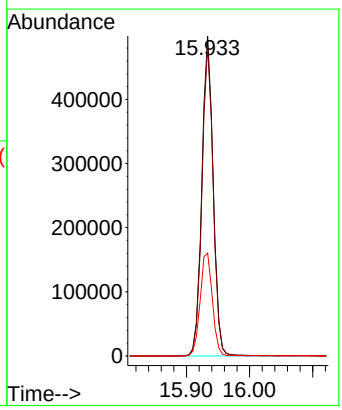


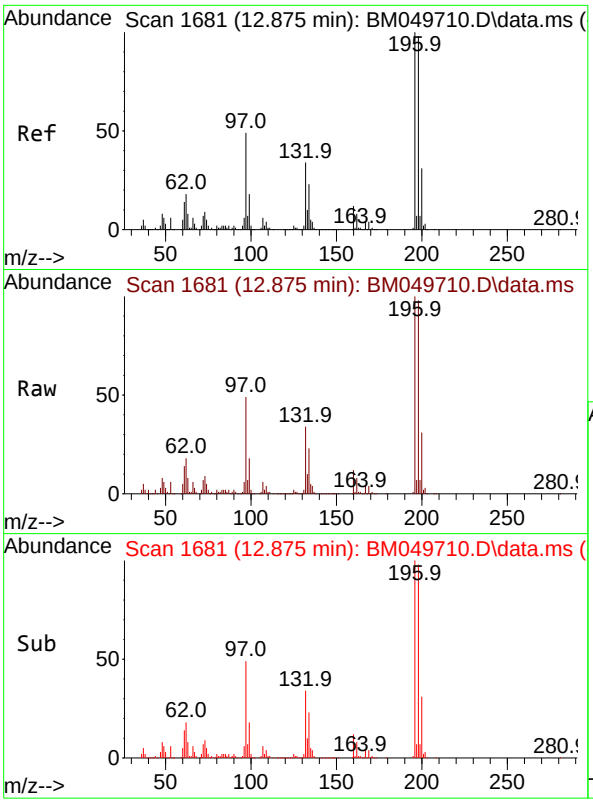


#42
2,4,6-Tribromophenol
Concen: 85.746 ng
RT: 15.933 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:330 Resp: 624211

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.4
141	34.7	27.8	41.6



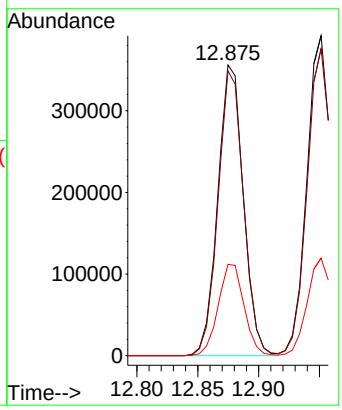


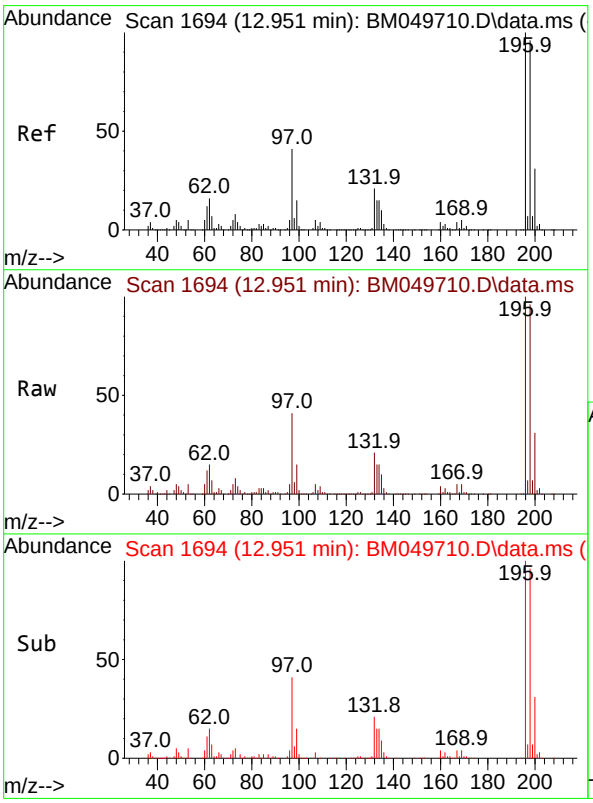
#43
2,4,6-Trichlorophenol
Concen: 40.633 ng
RT: 12.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 521138

Ion	Ratio	Lower	Upper
196	100		
198	97.9	78.3	117.5
200	31.4	25.1	37.7

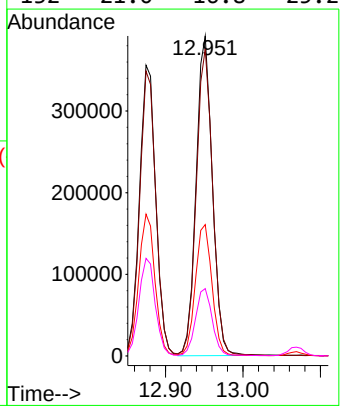


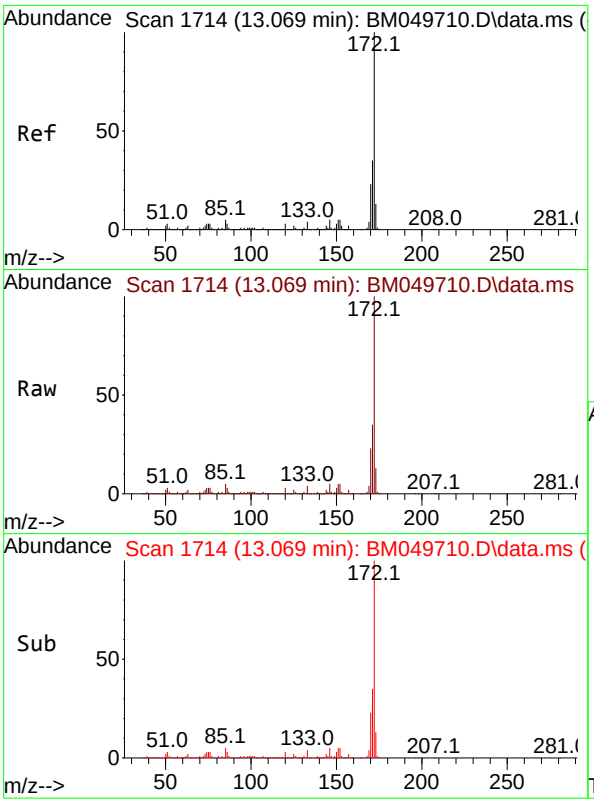


#44
2,4,5-Trichlorophenol
Concen: 40.810 ng
RT: 12.951 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:196 Resp: 571159

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.7	115.1
97	41.1	32.9	49.3
132	21.0	16.8	25.2



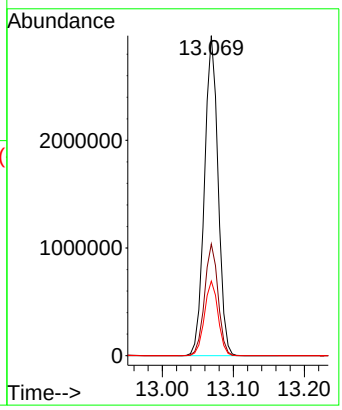


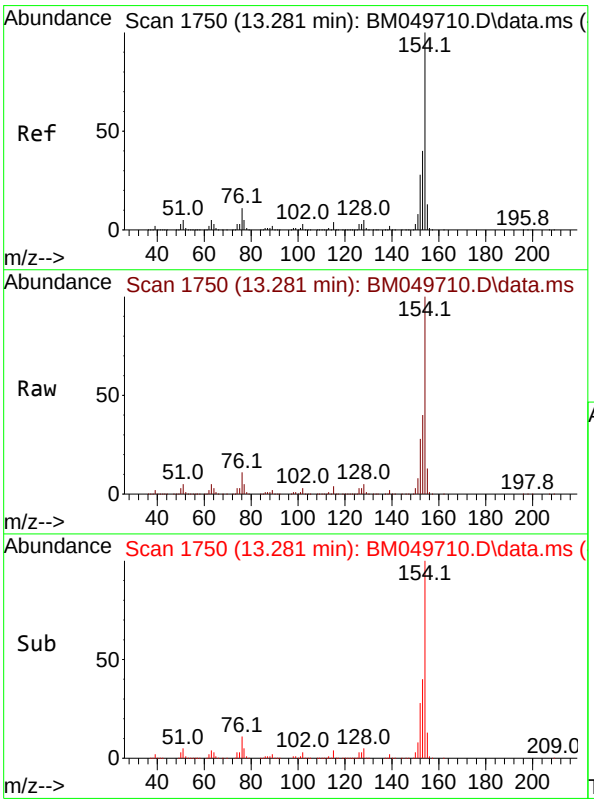
#45
2-Fluorobiphenyl
Concen: 79.506 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 3957740

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.3	18.6	28.0

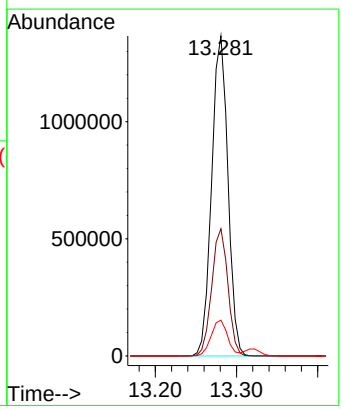


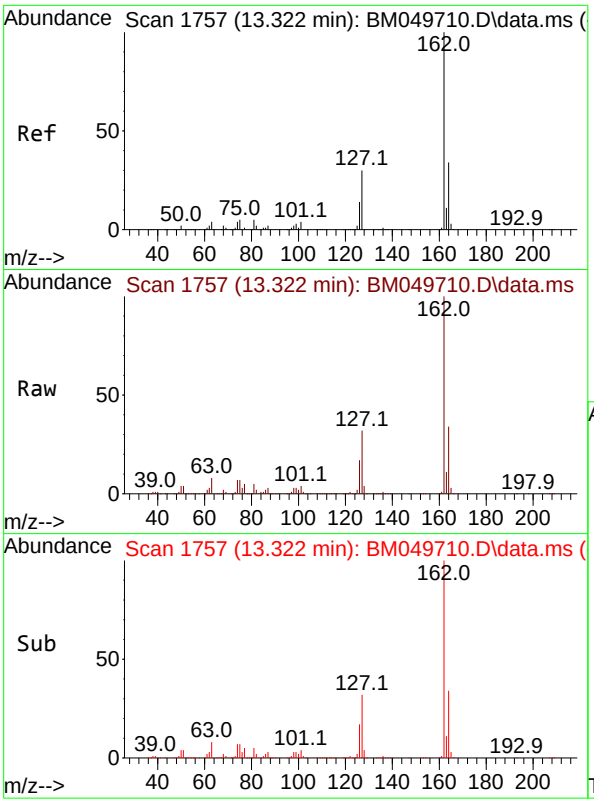


#46
1,1'-Biphenyl
Concen: 39.509 ng
RT: 13.281 min Scan# 1750
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:154 Resp: 1898343

Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.7	59.7
76	11.2	0.0	31.2



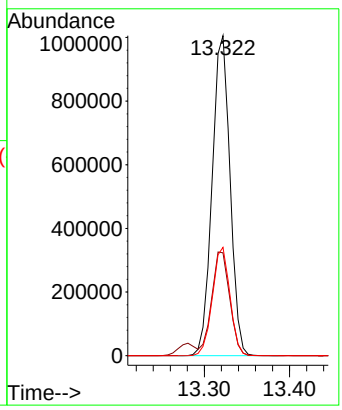


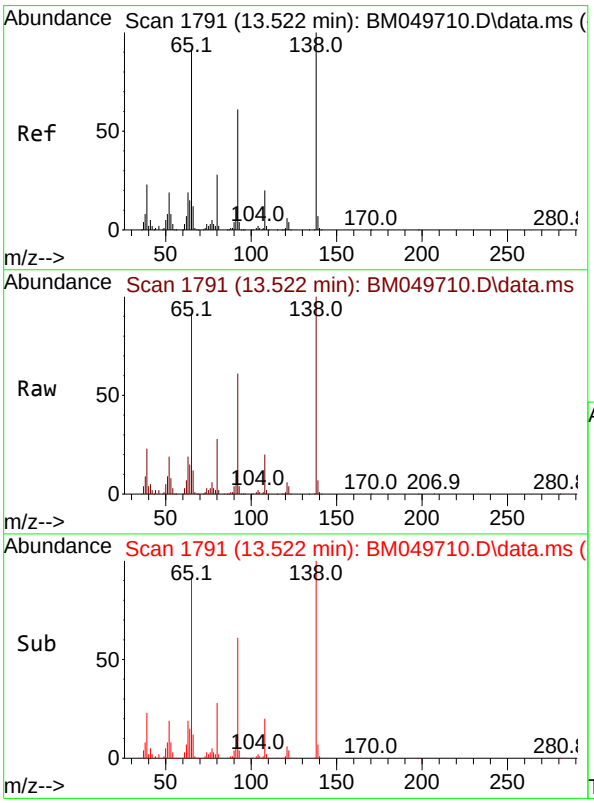
#47
2-Chloronaphthalene
Concen: 39.253 ng
RT: 13.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1468019

Ion	Ratio	Lower	Upper
162	100		
127	32.2	25.8	38.6
164	33.9	27.1	40.7

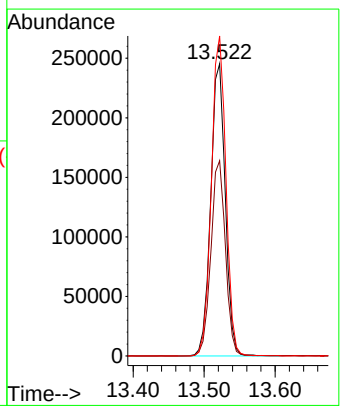


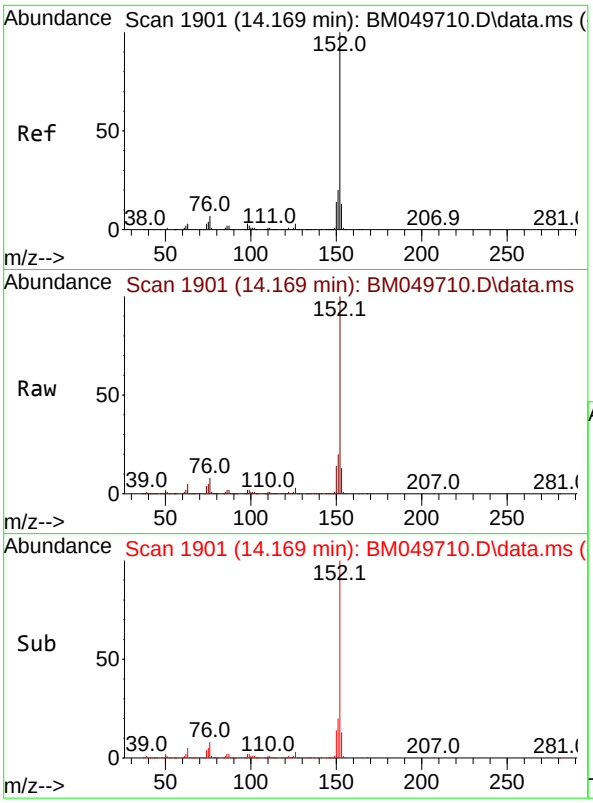


#48
2-Nitroaniline
Concen: 41.611 ng
RT: 13.522 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion: 65 Resp: 349344

Ion	Ratio	Lower	Upper
65	100		
92	66.8	53.4	80.2
138	109.5	87.6	131.4



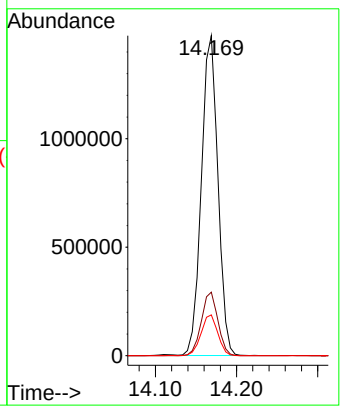


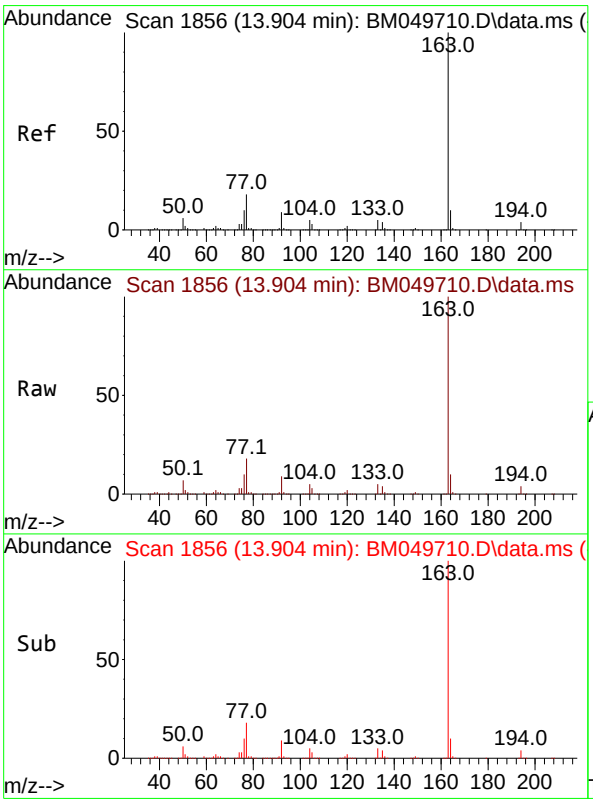
#49
Acenaphthylene
Concen: 39.868 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2084102

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

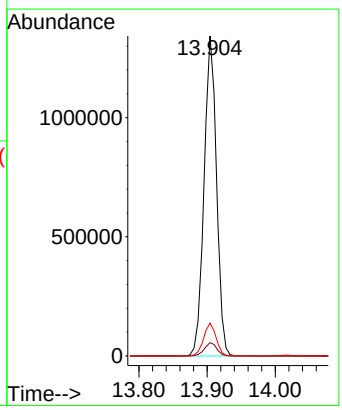


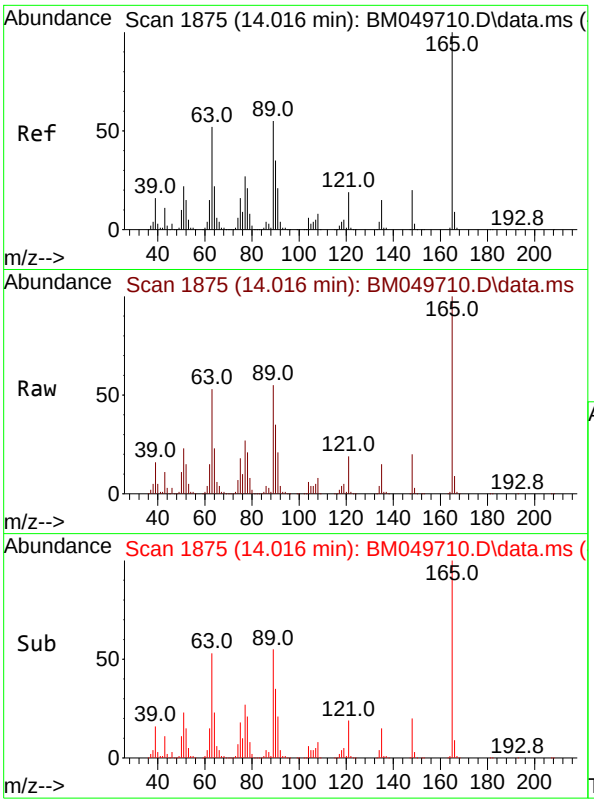


#50
Dimethylphthalate
Concen: 39.784 ng
RT: 13.904 min Scan# 1856
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:163 Resp: 1707639

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.2	12.2



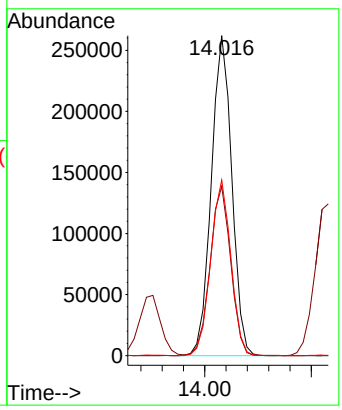


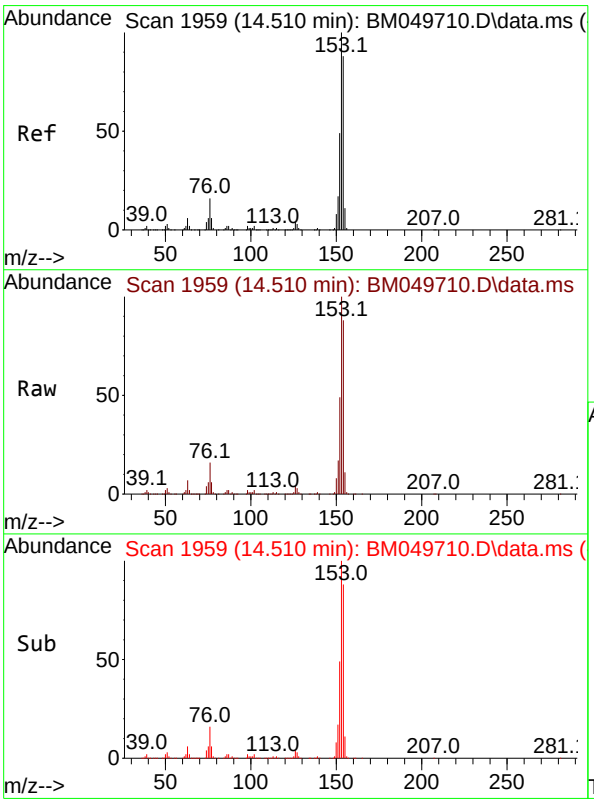
#51
2,6-Dinitrotoluene
Concen: 40.677 ng
RT: 14.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 349837

Ion	Ratio	Lower	Upper
165	100		
63	52.9	42.3	63.5
89	54.9	43.9	65.9

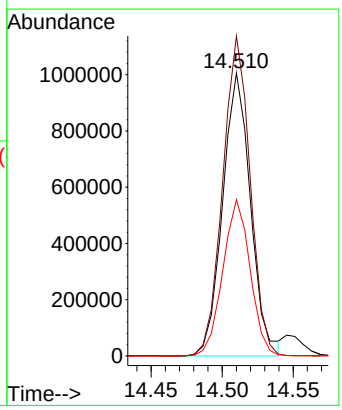


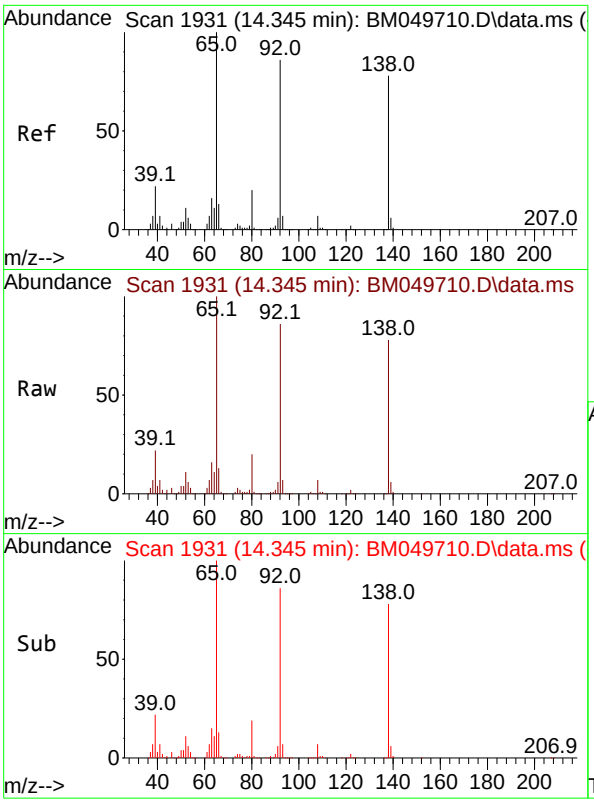


#52
Acenaphthene
Concen: 40.091 ng
RT: 14.510 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:154 Resp: 1373000

Ion	Ratio	Lower	Upper
154	100		
153	113.0	90.4	135.6
152	55.2	44.2	66.2



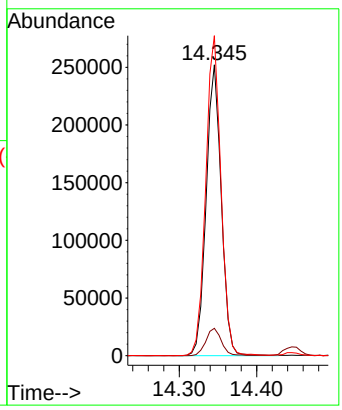


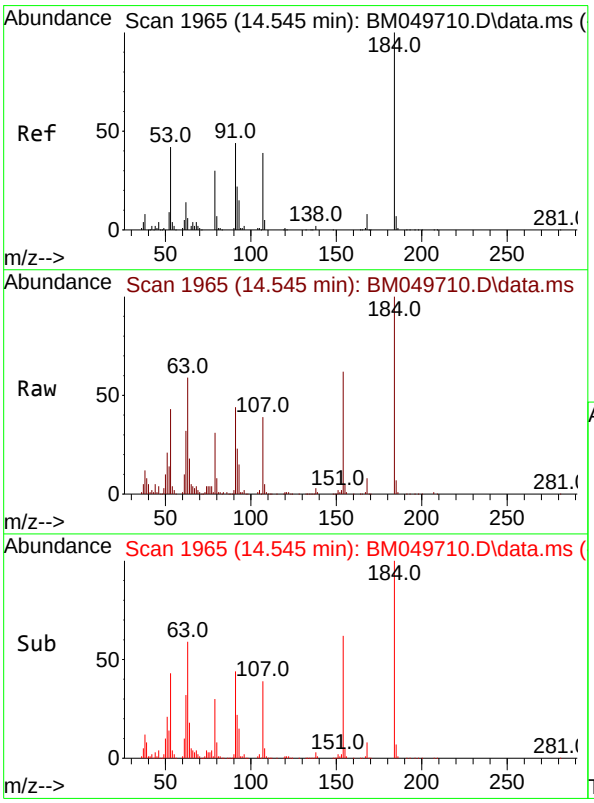
#53
3-Nitroaniline
Concen: 41.620 ng
RT: 14.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 340625

Ion	Ratio	Lower	Upper
138	100		
108	9.4	7.5	11.3
92	110.0	88.0	132.0

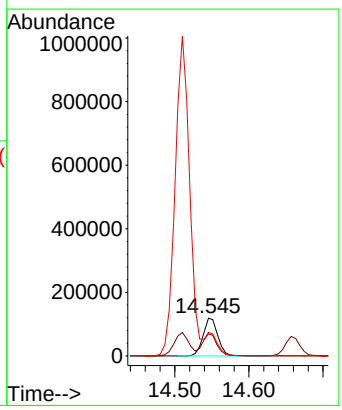


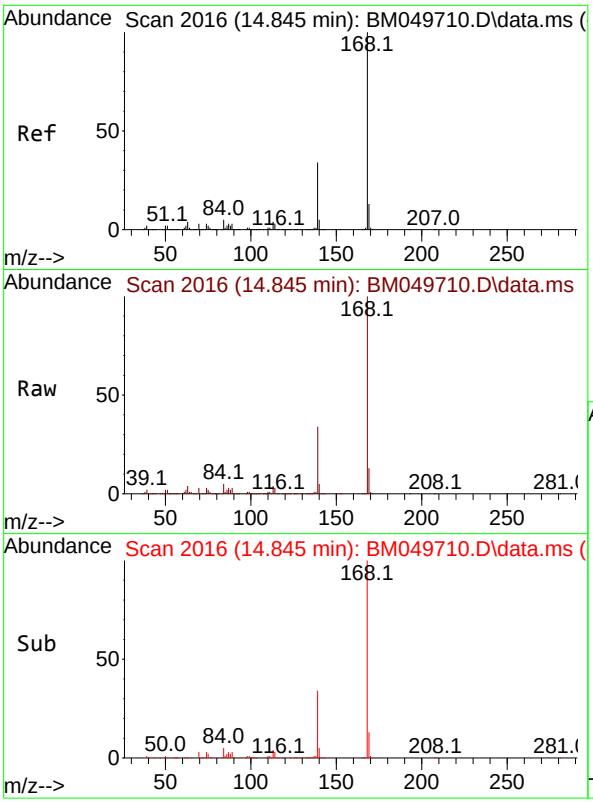


#54
2,4-Dinitrophenol
Concen: 39.242 ng
RT: 14.545 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:184 Resp: 164715

Ion	Ratio	Lower	Upper
184	100		
63	59.0	47.2	70.8
154	62.4	49.9	74.9



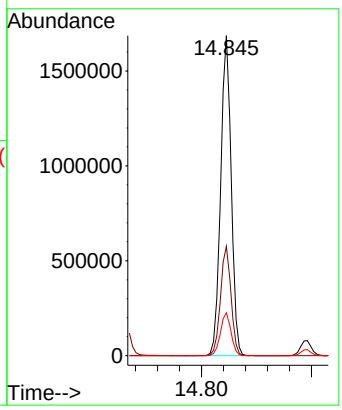


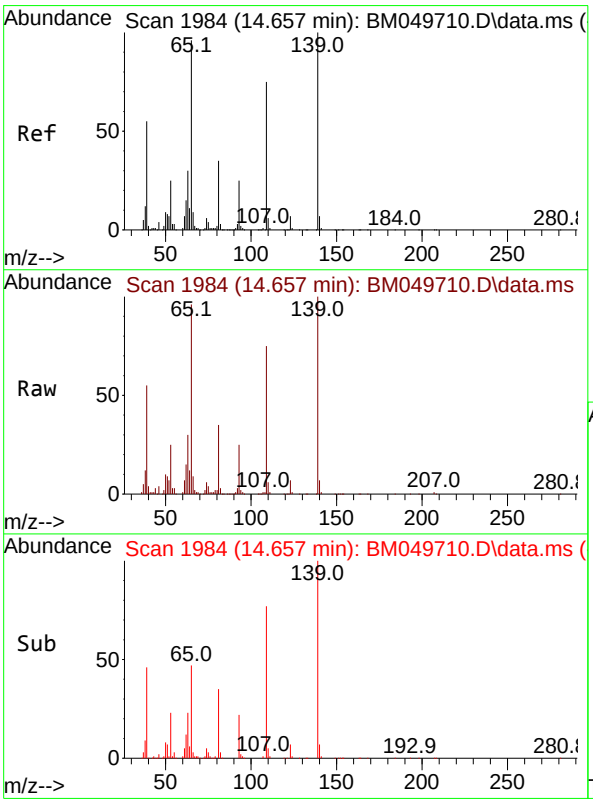
#55
Dibenzofuran
Concen: 39.088 ng
RT: 14.845 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2233364

Ion	Ratio	Lower	Upper
168	100		
139	34.2	27.4	41.0
169	13.4	10.7	16.1

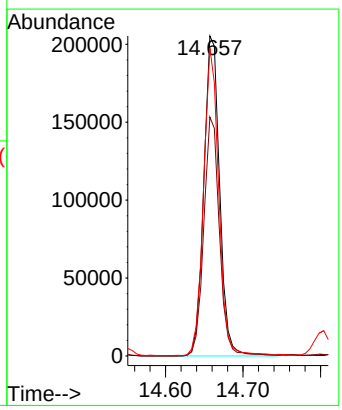


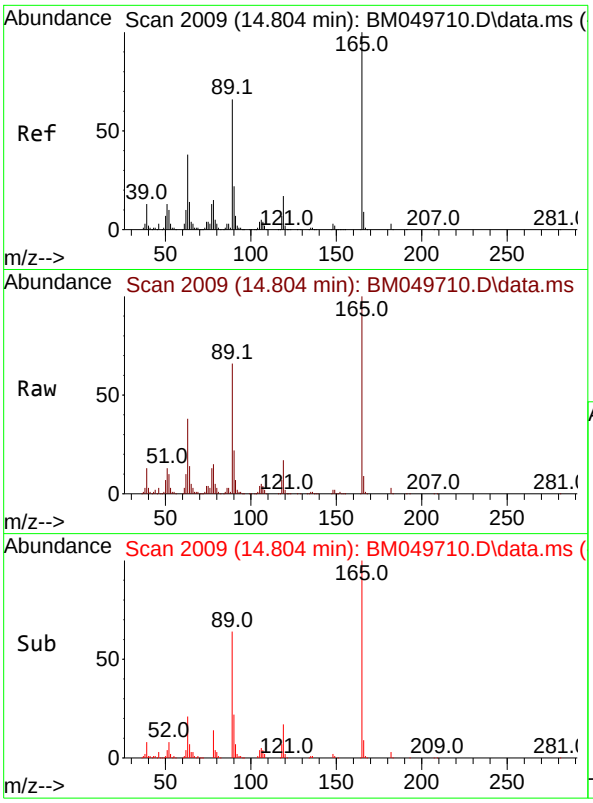


#56
4-Nitrophenol
Concen: 40.763 ng
RT: 14.657 min Scan# 1984
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:139 Resp: 290397

Ion	Ratio	Lower	Upper
139	100		
109	74.7	54.7	94.7
65	96.2	76.2	116.2



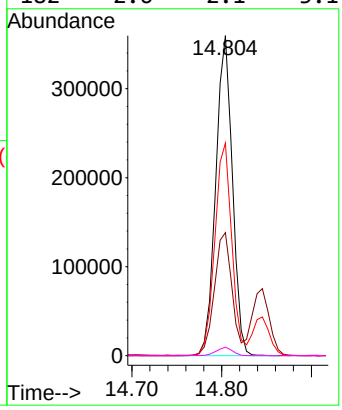


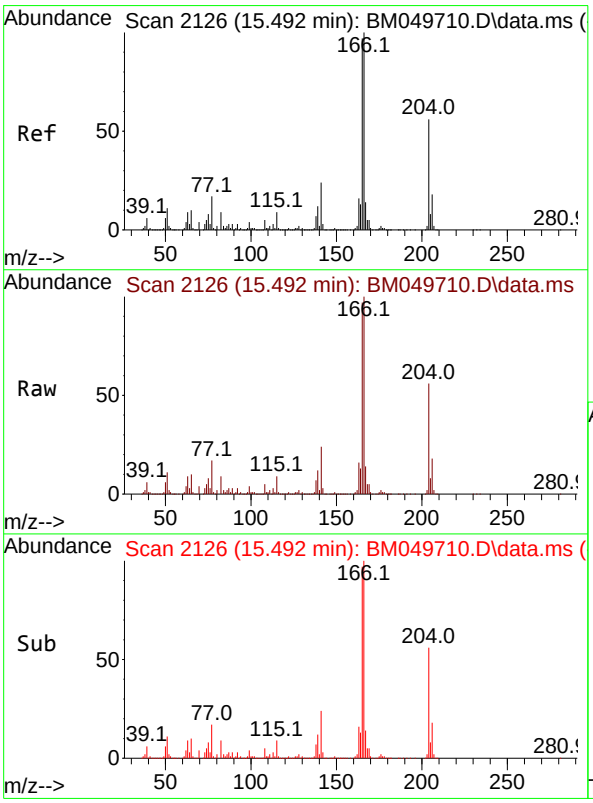
#57
2,4-Dinitrotoluene
Concen: 41.801 ng
RT: 14.804 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 462604

Ion	Ratio	Lower	Upper
165	100		
63	38.5	30.8	46.2
89	66.4	53.1	79.7
182	2.6	2.1	3.1

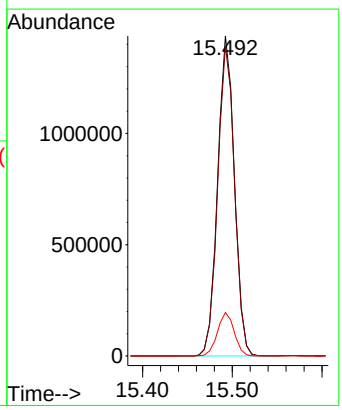


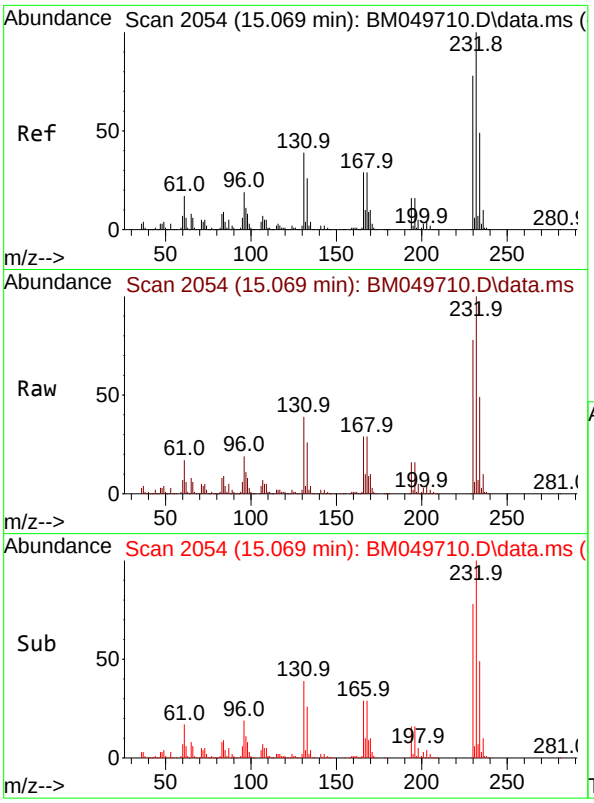


#58
Fluorene
Concen: 40.158 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:166 Resp: 1868135

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.5	116.3
167	13.6	10.9	16.3



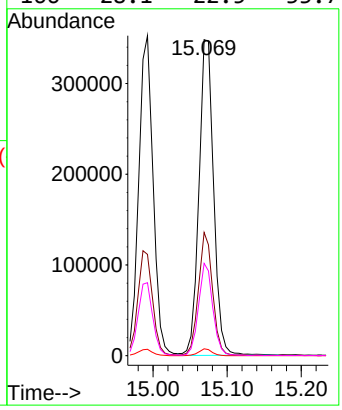


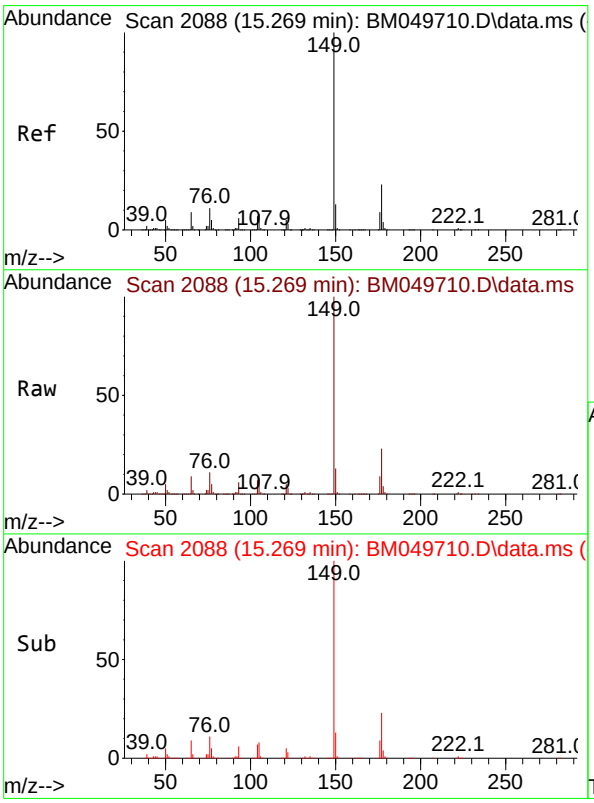
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.950 ng
RT: 15.069 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 479751

Ion	Ratio	Lower	Upper
232	100		
131	37.5	30.0	45.0
130	2.0	1.6	2.4
166	28.1	22.5	33.7

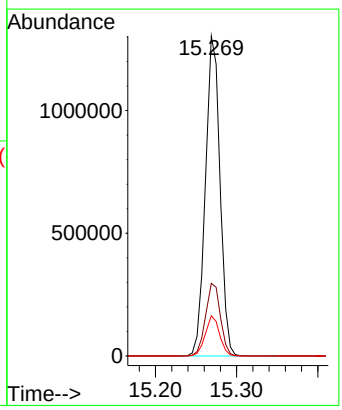


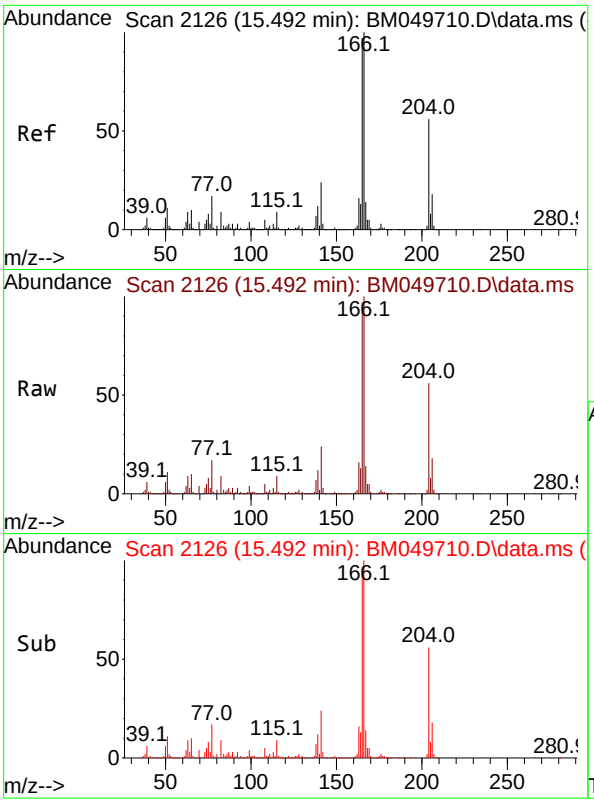


#60
Diethylphthalate
Concen: 40.052 ng
RT: 15.269 min Scan# 2088
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:149 Resp: 1619118

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.2	27.2
150	12.5	10.0	15.0



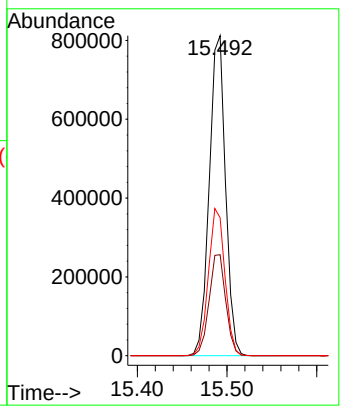


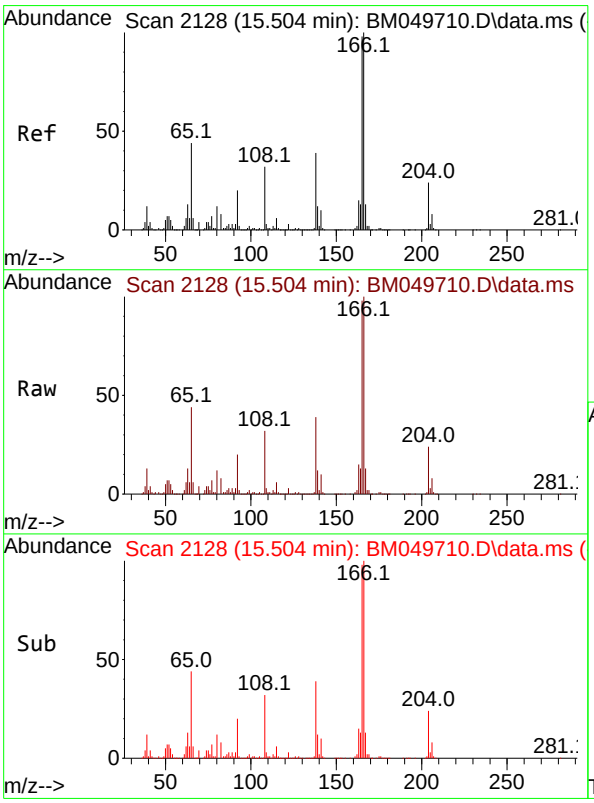
#61
4-Chlorophenyl-phenylether
Concen: 40.157 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 1020109

Ion	Ratio	Lower	Upper
204	100		
206	31.5	25.2	37.8
141	43.1	34.5	51.7

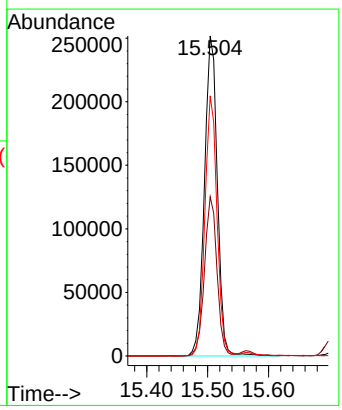


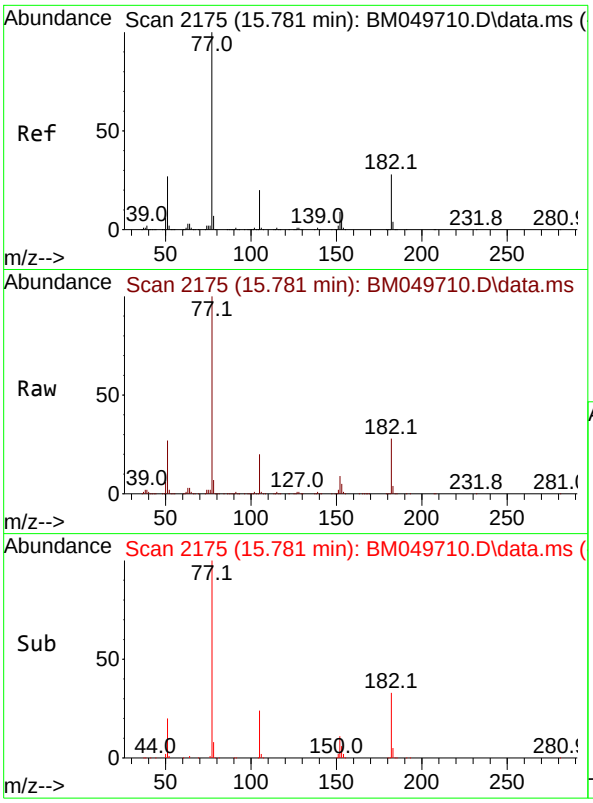


#62
4-Nitroaniline
Concen: 38.997 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:138 Resp: 372286

Ion	Ratio	Lower	Upper
138	100		
92	49.8	29.8	69.8
108	81.3	61.3	101.3



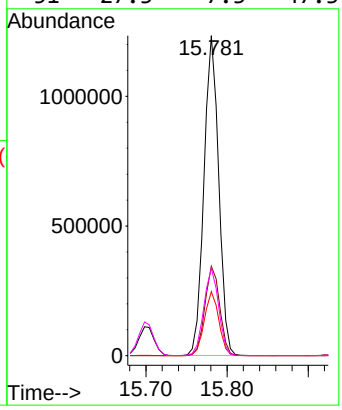


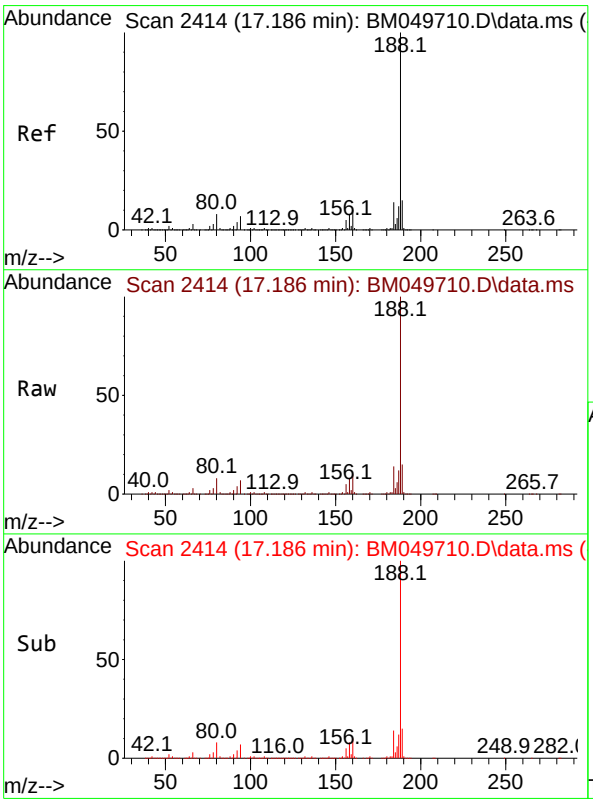
#63
Azobenzene
Concen: 40.187 ng
RT: 15.781 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1551742

Ion	Ratio	Lower	Upper
77	100		
182	28.0	8.0	48.0
105	20.0	0.0	40.0
51	27.3	7.3	47.3

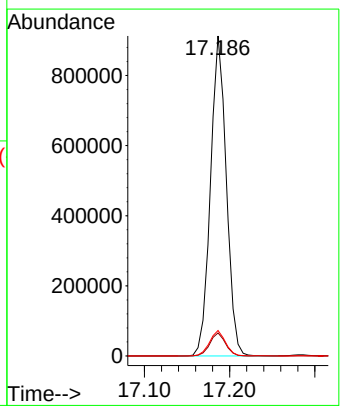


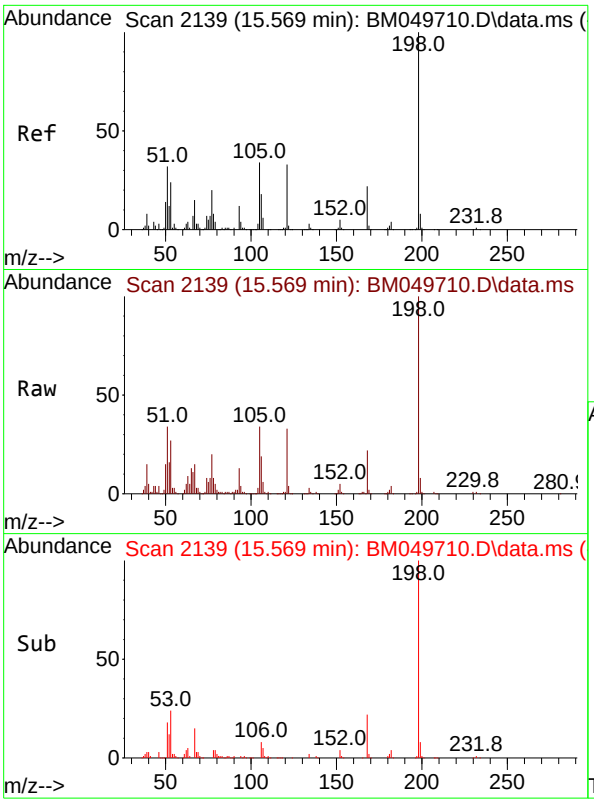


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:188 Resp: 1179542

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	7.9	6.3	9.5



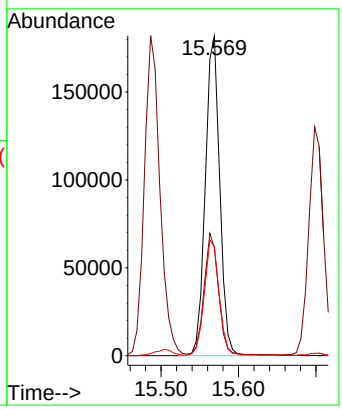


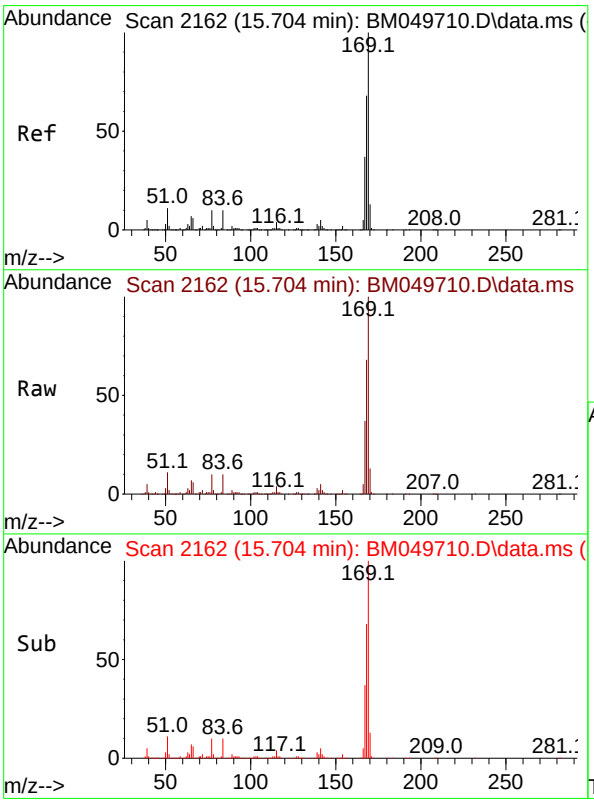
#65
4,6-Dinitro-2-methylphenol
Concen: 39.014 ng
RT: 15.569 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 235447

Ion	Ratio	Lower	Upper
198	100		
51	33.8	13.8	53.8
105	34.0	14.0	54.0

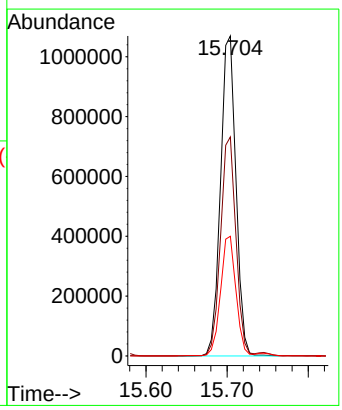


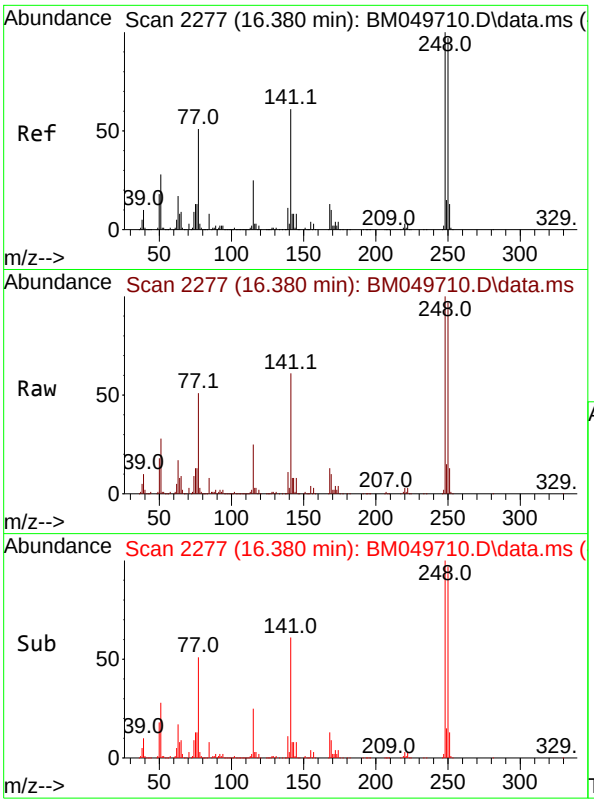


#66
n-Nitrosodiphenylamine
Concen: 39.580 ng
RT: 15.704 min Scan# 2162
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:169 Resp: 1414490

Ion	Ratio	Lower	Upper
169	100		
168	68.5	54.8	82.2
167	37.4	29.9	44.9



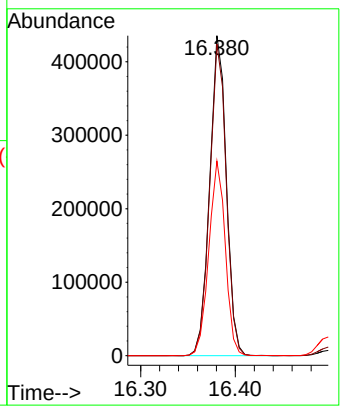


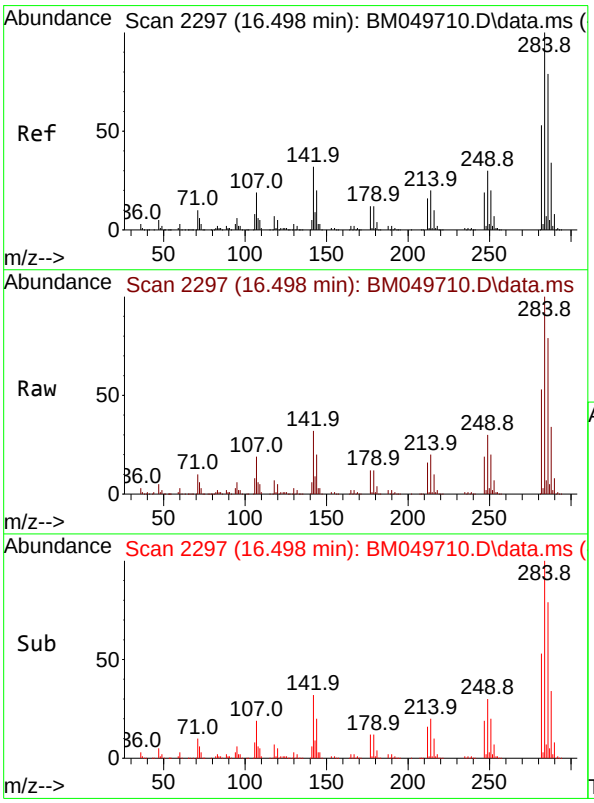
#67
4-Bromophenyl-phenylether
Concen: 39.119 ng
RT: 16.380 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 532750

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.9	116.9
141	60.8	48.6	73.0

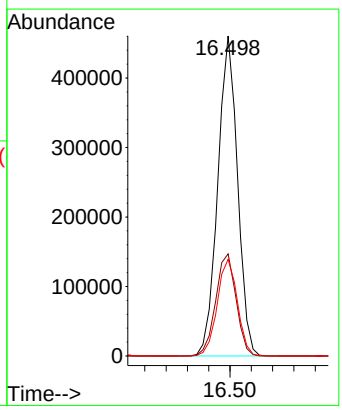


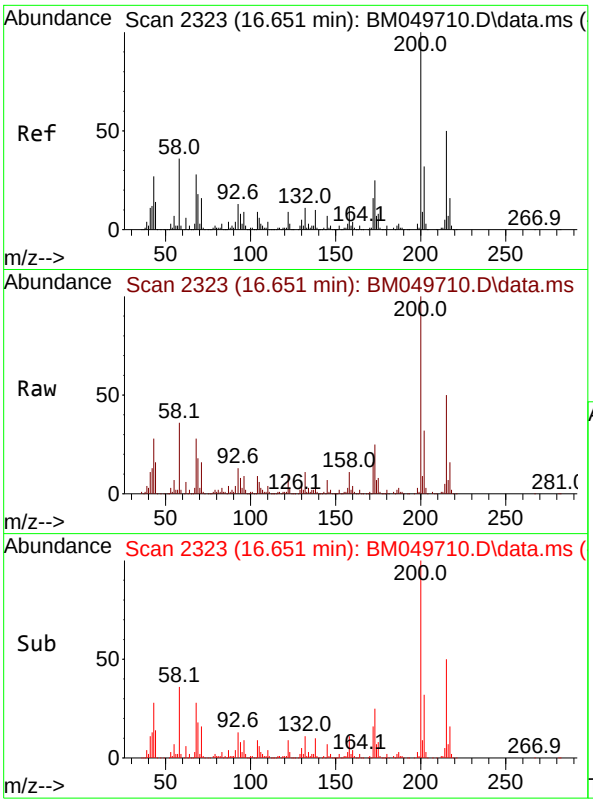


#68
Hexachlorobenzene
Concen: 38.661 ng
RT: 16.498 min Scan# 2297
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:284 Resp: 592070

Ion	Ratio	Lower	Upper
284	100		
142	31.9	25.5	38.3
249	30.2	24.2	36.2



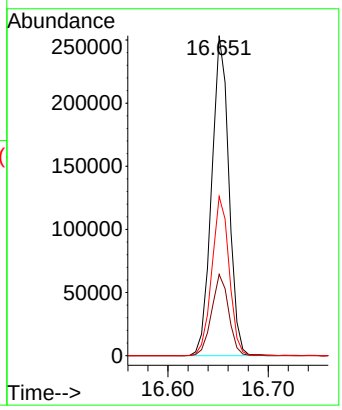


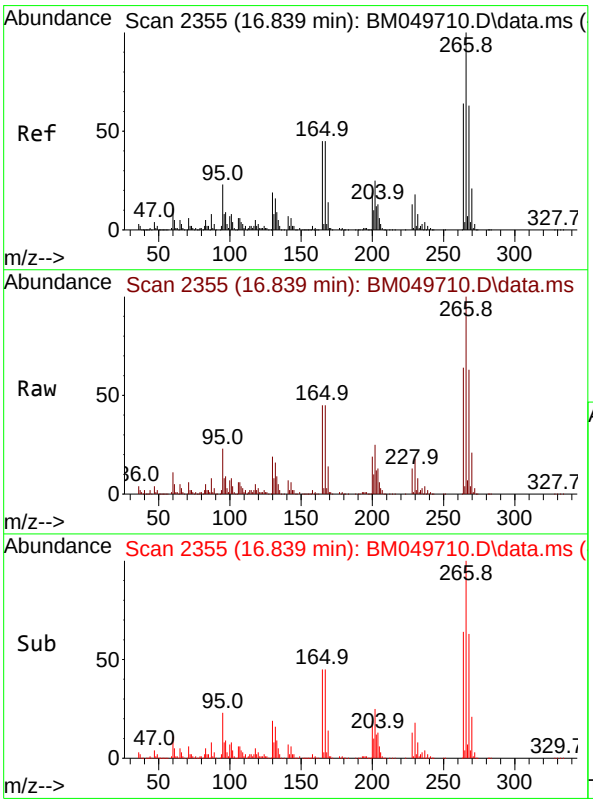
#69
Atrazine
Concen: 38.381 ng
RT: 16.651 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 302291

Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.4	45.4
215	49.8	29.8	69.8

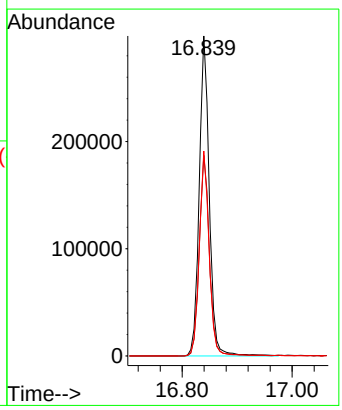


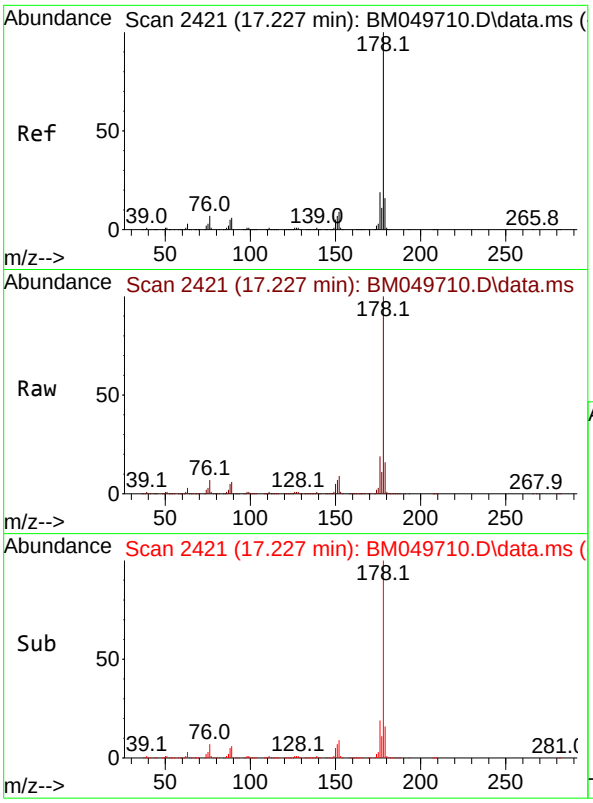


#70
Pentachlorophenol
Concen: 39.488 ng
RT: 16.839 min Scan# 2355
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:266 Resp: 380031

Ion	Ratio	Lower	Upper
266	100		
268	62.7	50.2	75.2
264	64.1	51.3	76.9



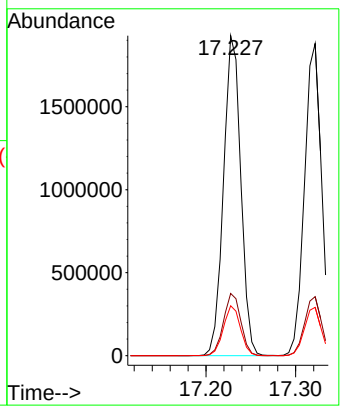


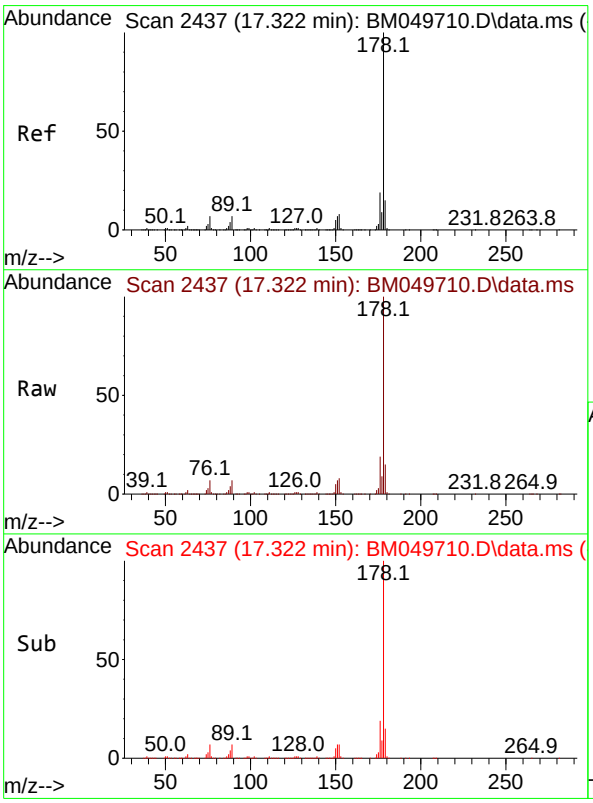
#71
Phenanthrene
Concen: 39.376 ng
RT: 17.227 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2579008

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	12.5	18.7

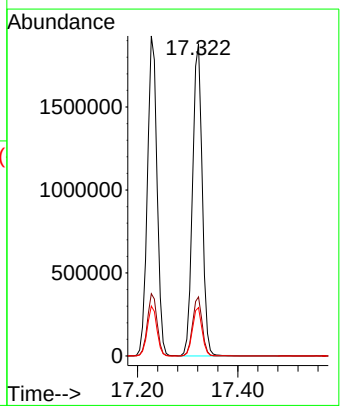


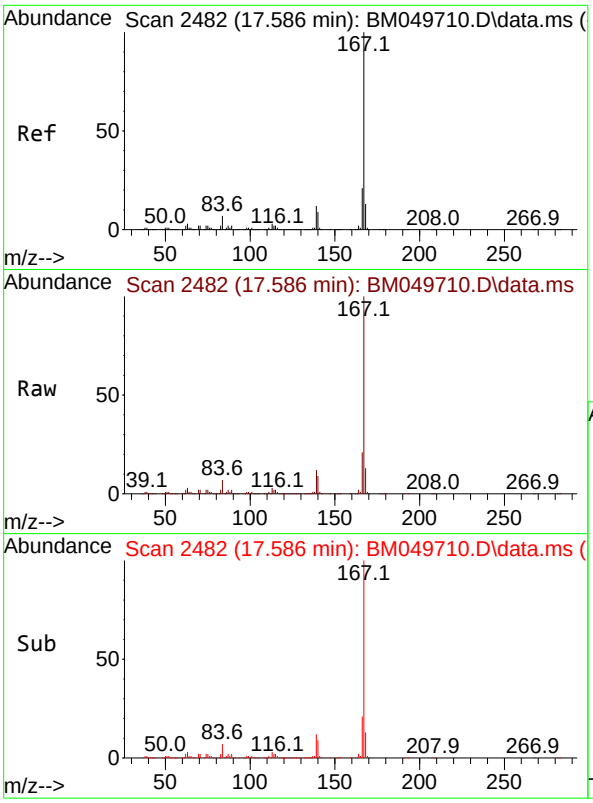


#72
Anthracene
Concen: 39.641 ng
RT: 17.322 min Scan# 2437
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:178 Resp: 2514440

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



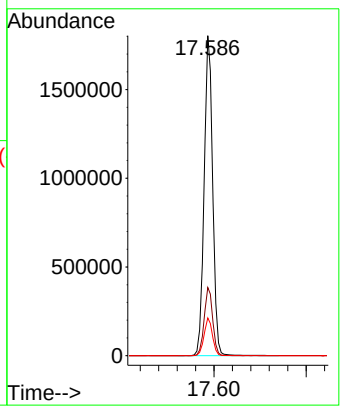


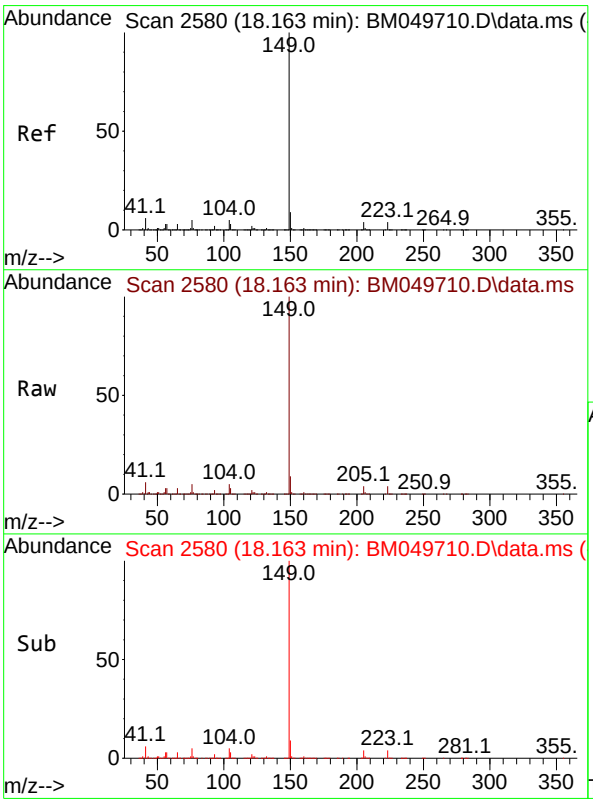
#73
Carbazole
Concen: 40.709 ng
RT: 17.586 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2338547

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	11.8	9.4	14.2

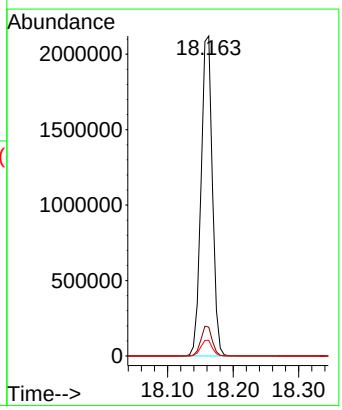


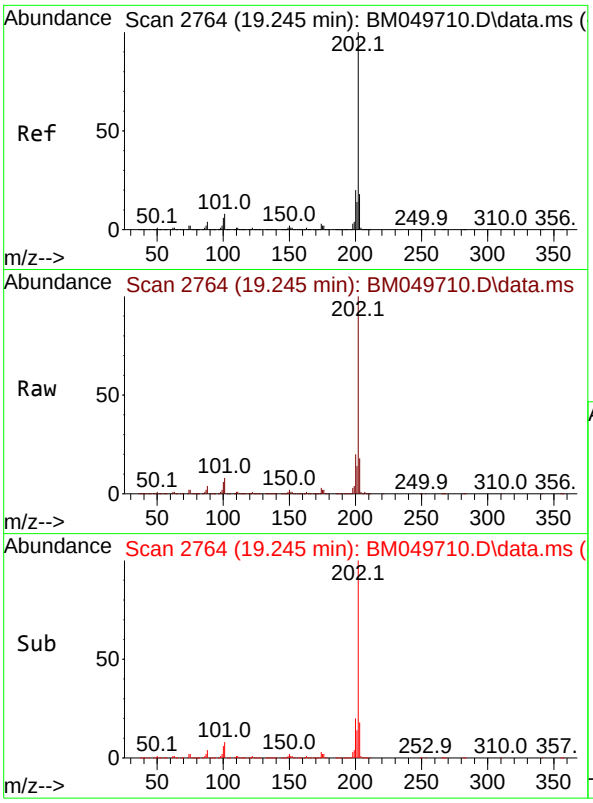


#74
Di-n-butylphthalate
Concen: 40.548 ng
RT: 18.163 min Scan# 2580
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:149 Resp: 2552958

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.2	10.8
104	4.9	3.9	5.9



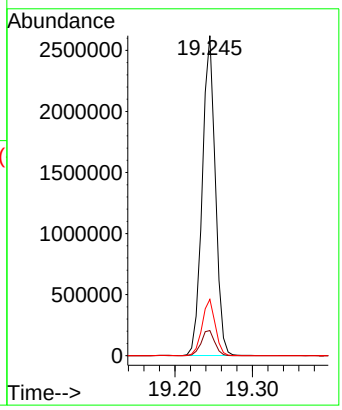


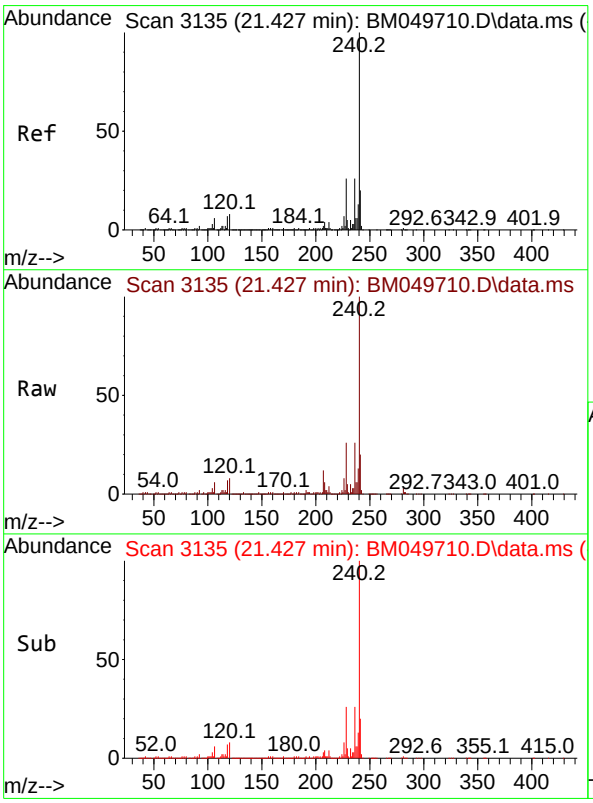
#75
Fluoranthene
Concen: 40.657 ng
RT: 19.245 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 3065801

Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	27.8
203	17.6	0.0	37.6

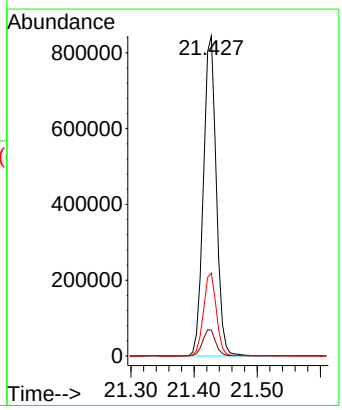


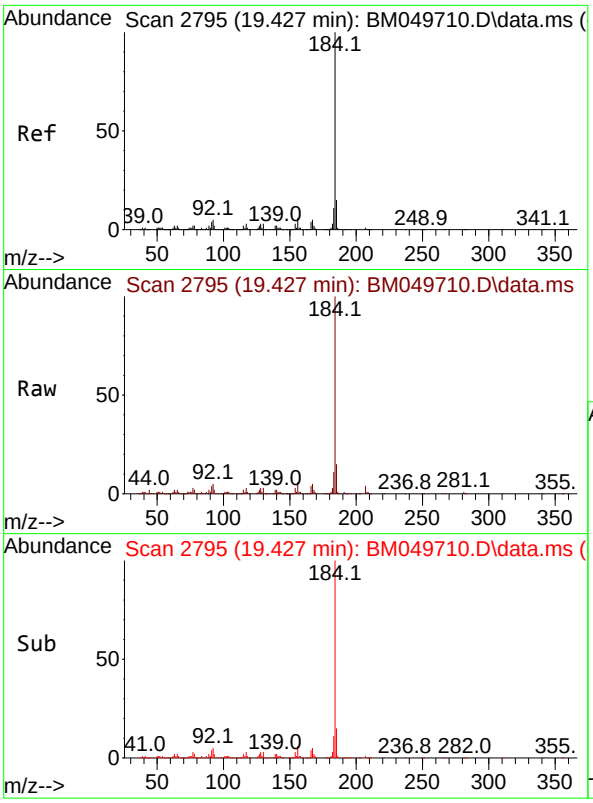


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:240 Resp: 1198251

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	25.9	20.7	31.1



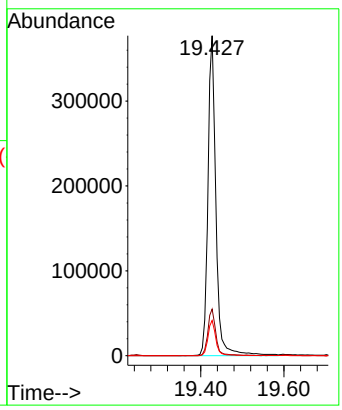


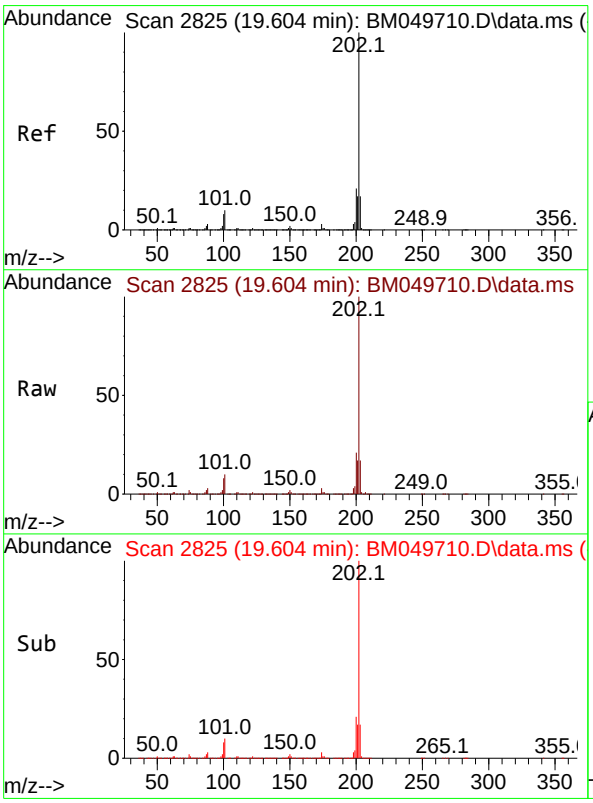
#77
Benzidine
Concen: 35.039 ng
RT: 19.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 504419

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.7	17.5
183	11.0	8.8	13.2

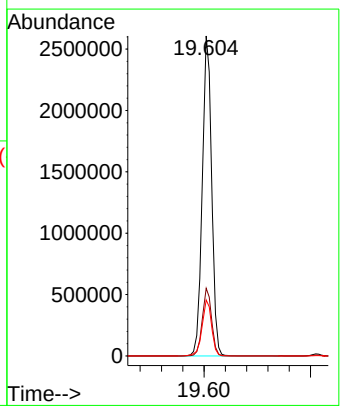


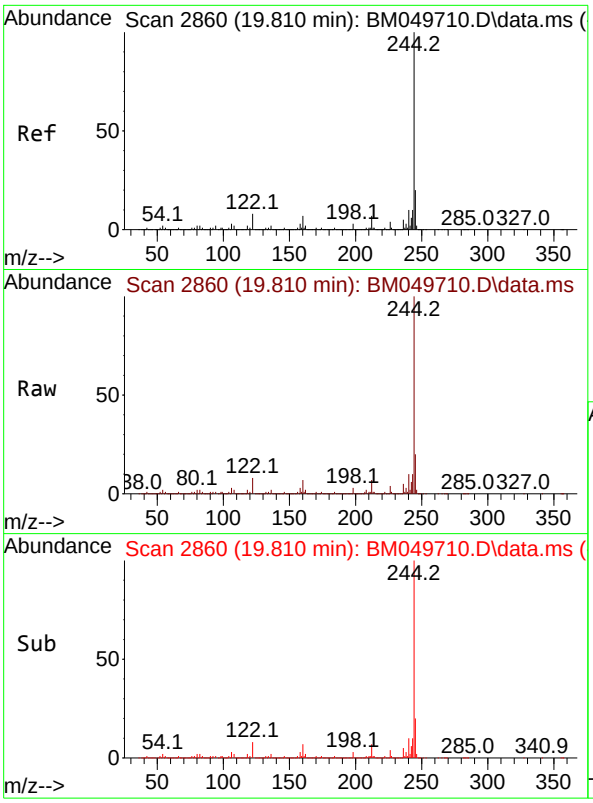


#78
Pyrene
Concen: 38.013 ng
RT: 19.604 min Scan# 2825
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:202 Resp: 3182324

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.5	14.0	21.0



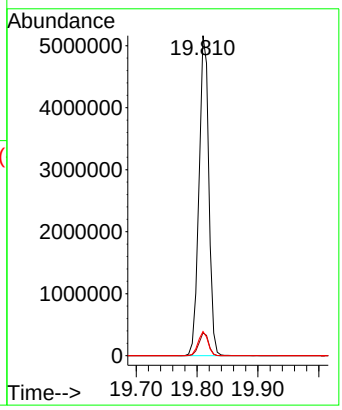


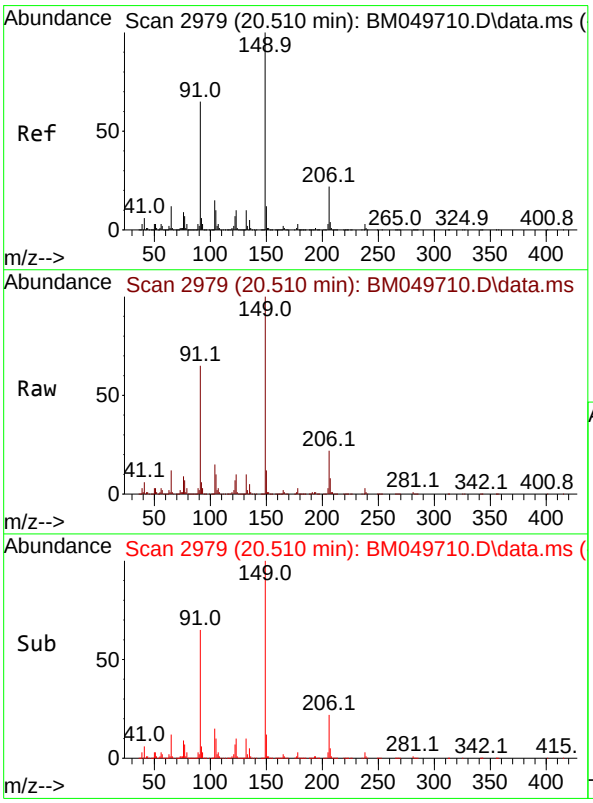
#79
Terphenyl-d14
Concen: 81.384 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 5787036

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	7.5	6.0	9.0

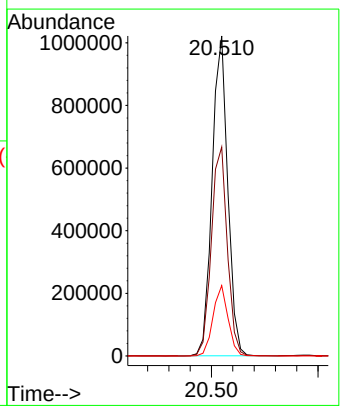


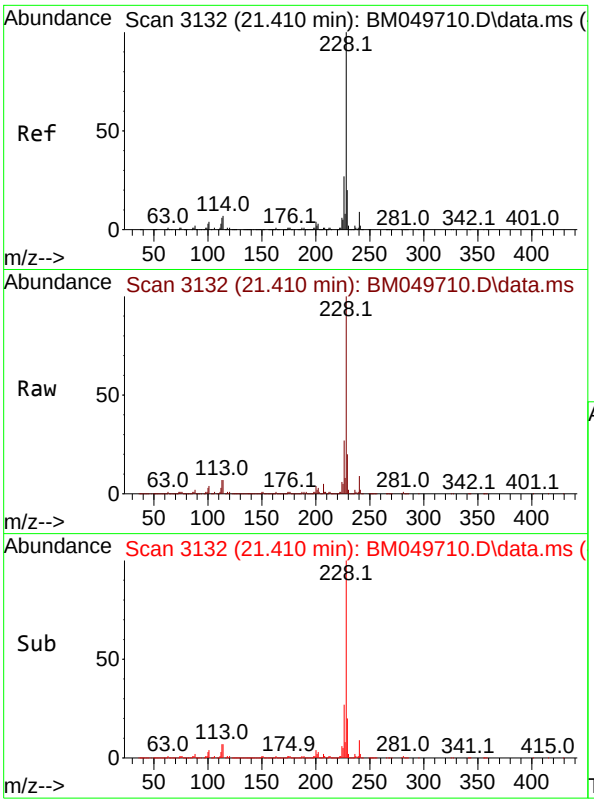


#80
Butylbenzylphthalate
Concen: 39.874 ng
RT: 20.510 min Scan# 2979
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:149 Resp: 1035949

Ion	Ratio	Lower	Upper
149	100		
91	65.3	52.2	78.4
206	22.0	17.6	26.4



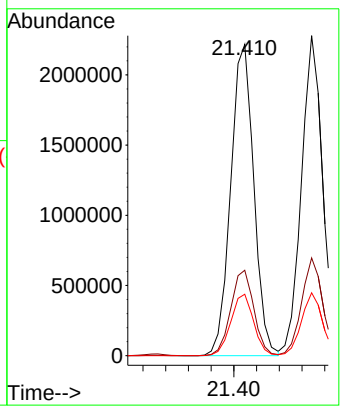


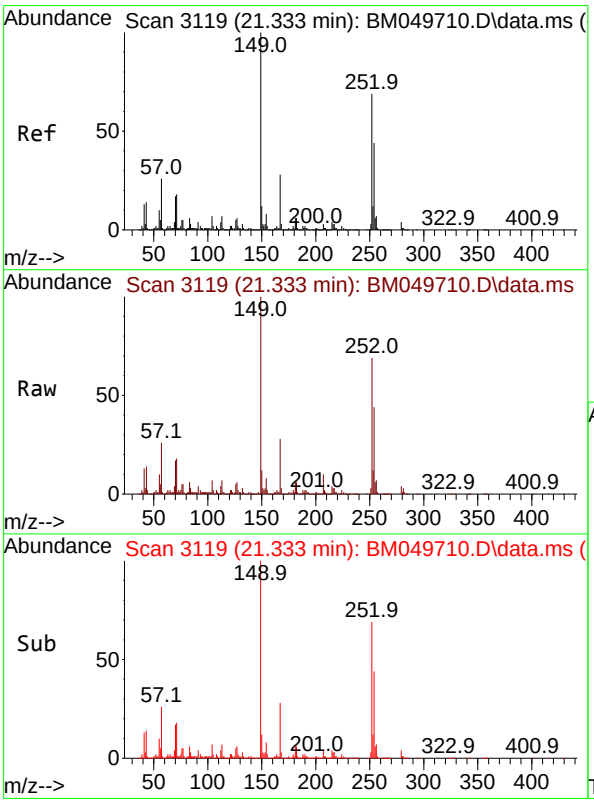
#81
Benzo(a)anthracene
Concen: 39.142 ng
RT: 21.410 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3132766

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.0	33.0
229	19.8	15.8	23.8

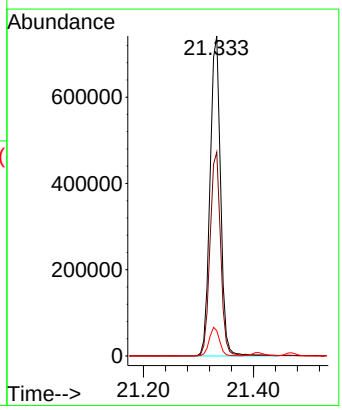


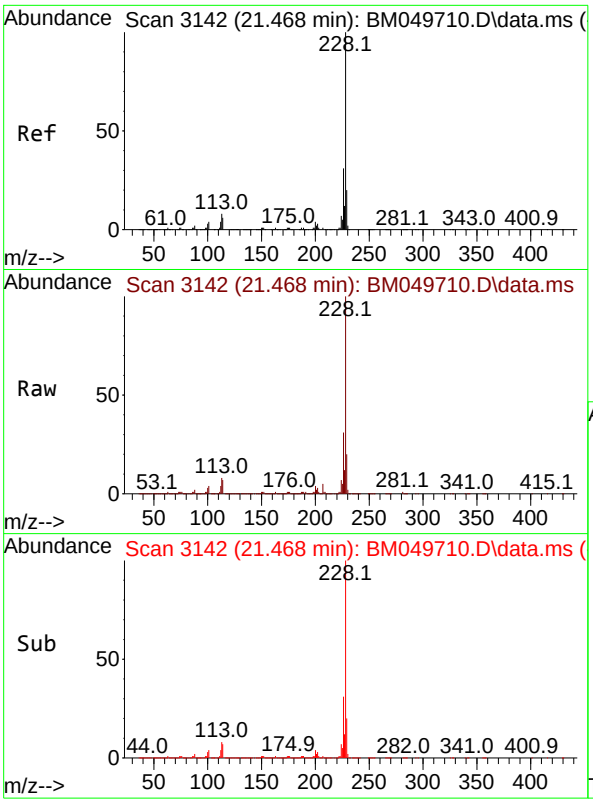


#82
3,3'-Dichlorobenzidine
Concen: 37.814 ng
RT: 21.333 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:252 Resp: 985353

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.0	76.4
126	7.9	6.3	9.5



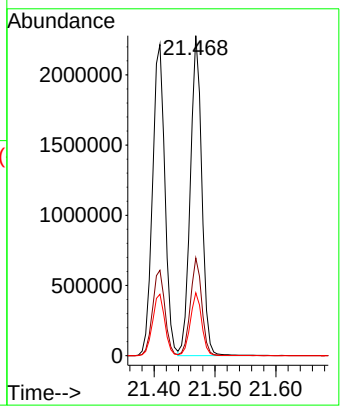


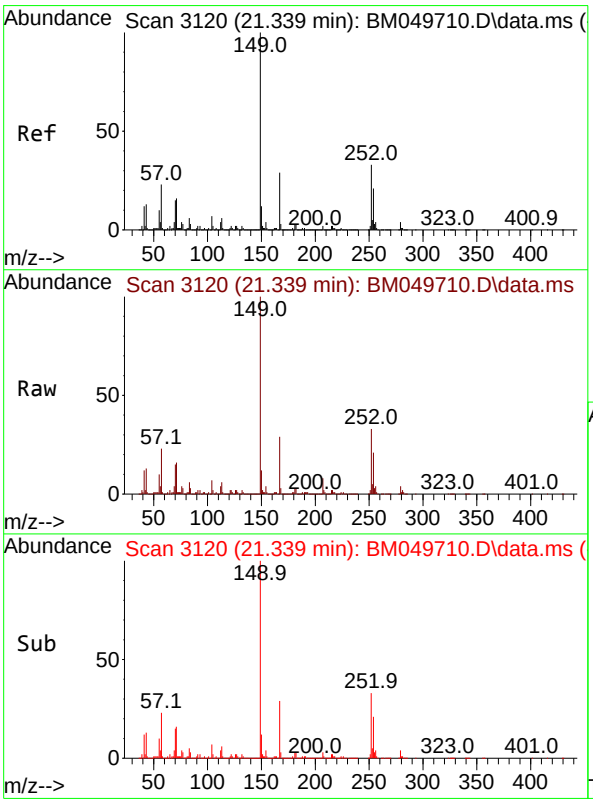
#83
Chrysene
Concen: 39.245 ng
RT: 21.468 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 2977456

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	19.7	15.8	23.6

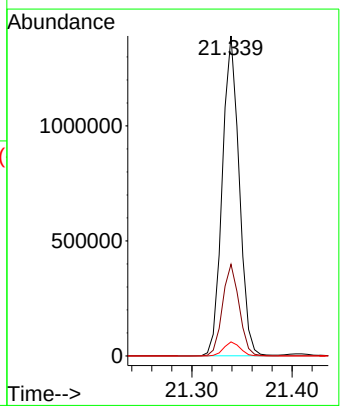


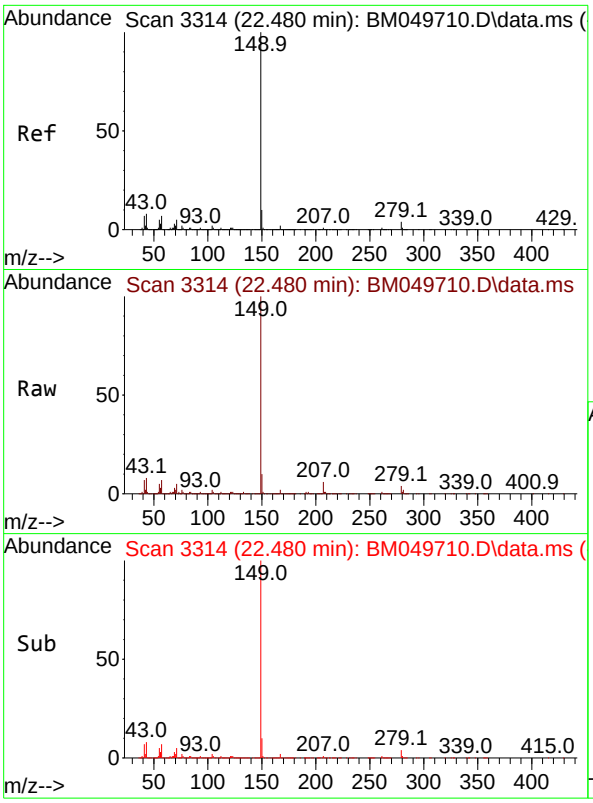


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.133 ng
RT: 21.339 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:149 Resp: 1624965

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.9	34.3
279	4.4	3.5	5.3



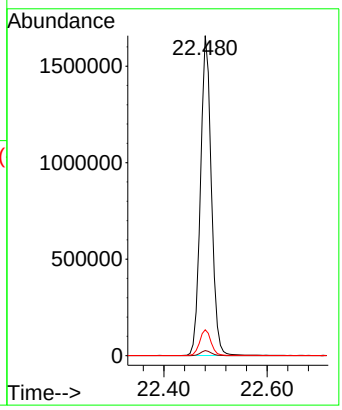


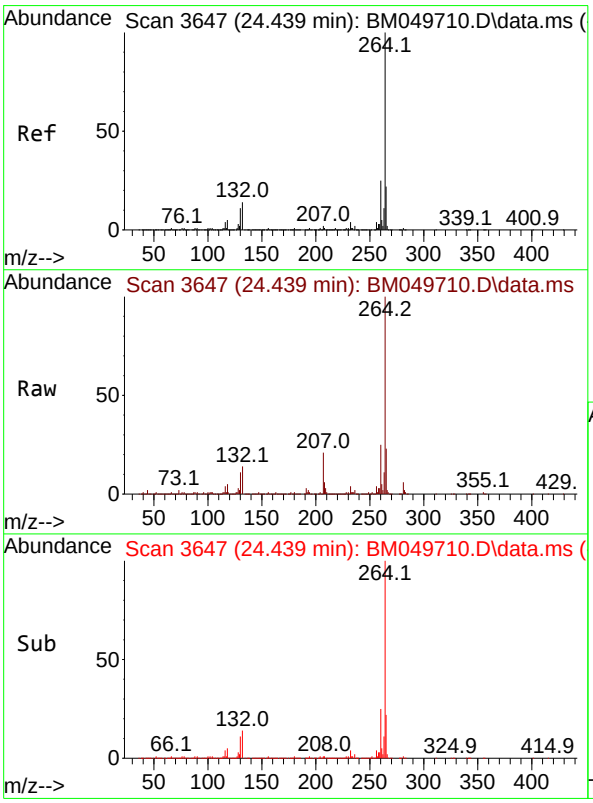
#85
Di-n-octyl phthalate
Concen: 38.441 ng
RT: 22.480 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 2419176

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.5	6.8	10.2

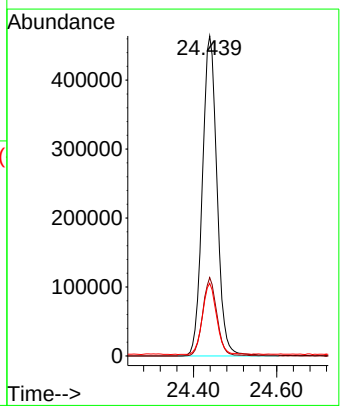


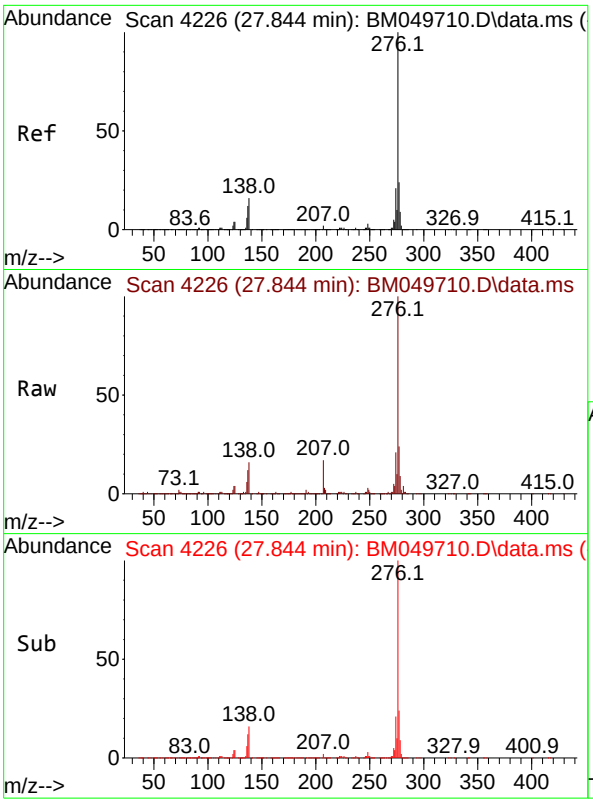


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.439 min Scan# 3647
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:264 Resp: 1136335

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	22.7	18.2	27.2



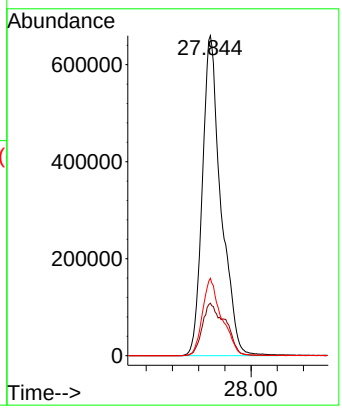


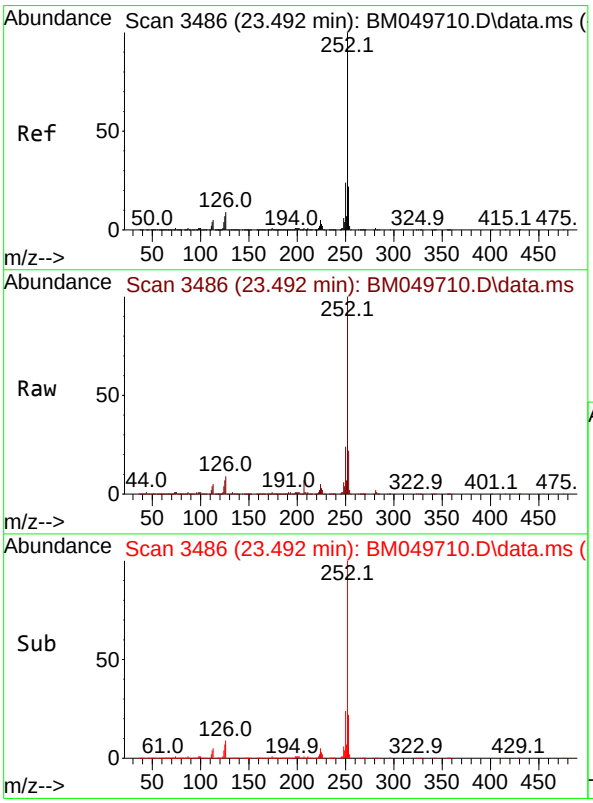
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.769 ng
RT: 27.844 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 3252652

Ion	Ratio	Lower	Upper
276	100		
138	20.4	16.3	24.5
277	24.9	19.9	29.9

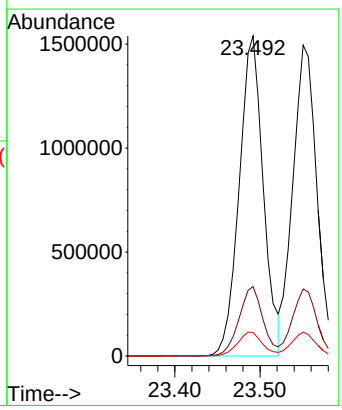


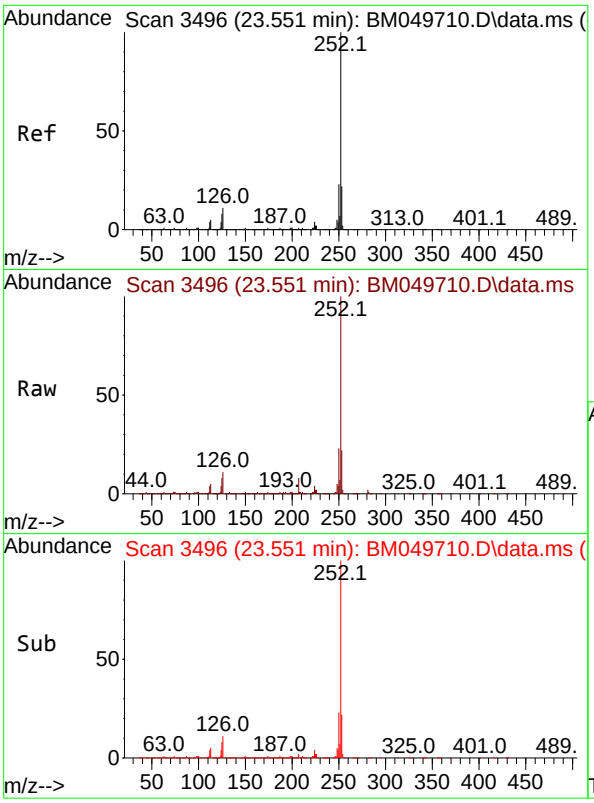


#88
Benzo(b)fluoranthene
Concen: 39.482 ng
RT: 23.492 min Scan# 3486
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:252 Resp: 3021800

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	7.4	5.9	8.9



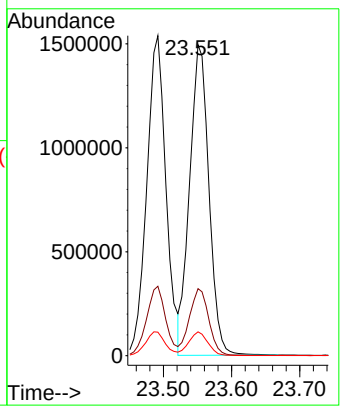


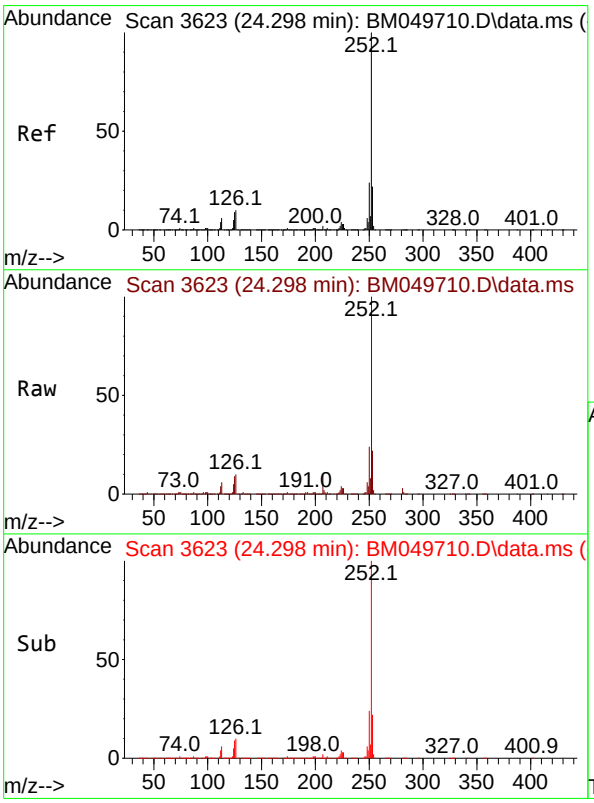
#89
Benzo(k)fluoranthene
Concen: 38.970 ng
RT: 23.551 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 2934888

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	7.7	6.2	9.2

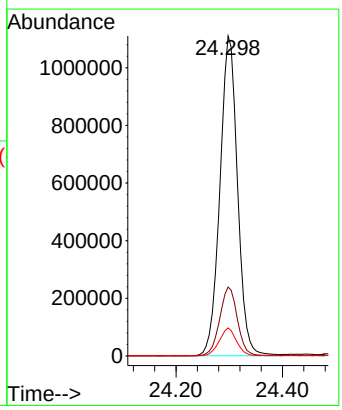


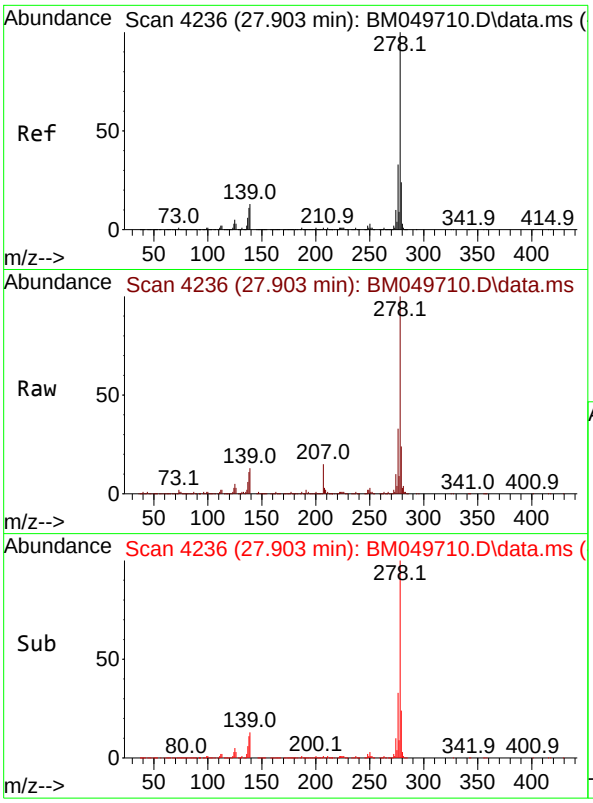


#90
Benzo(a)pyrene
Concen: 39.591 ng
RT: 24.298 min Scan# 3623
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:252 Resp: 2545218

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	8.8	7.0	10.6



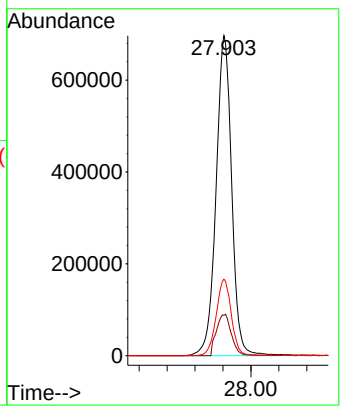


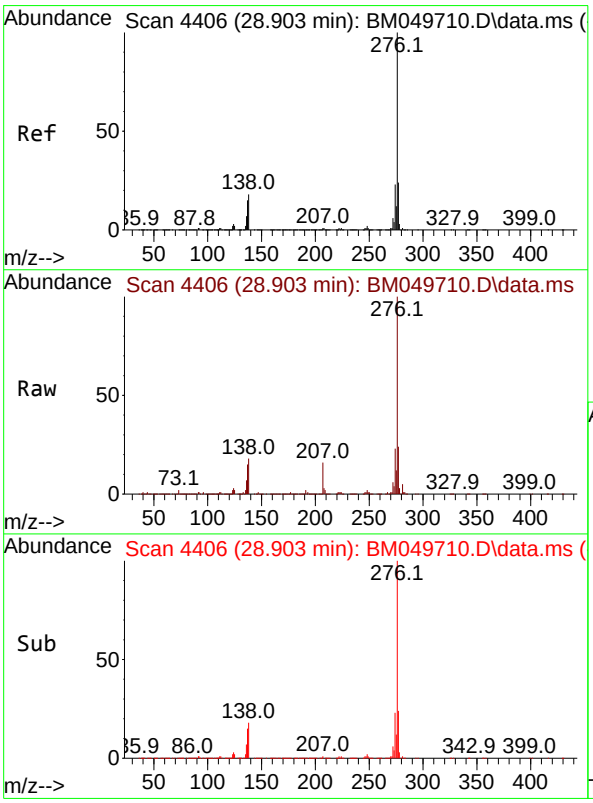
#91
Dibenzo(a,h)anthracene
Concen: 39.633 ng
RT: 27.903 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 2700706

Ion	Ratio	Lower	Upper
278	100		
139	12.6	10.1	15.1
279	23.9	19.1	28.7

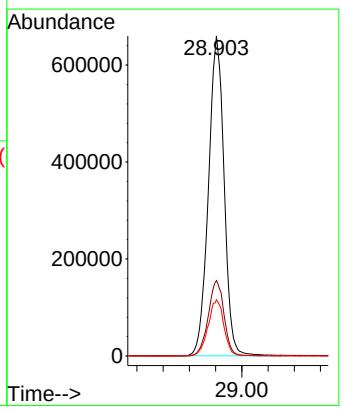




#92
Benzo(g,h,i)perylene
Concen: 39.847 ng
RT: 28.903 min Scan# 4406
Delta R.T. 0.000 min
Lab File: BM049710.D
Acq: 13 Mar 2025 11:39

Tgt Ion:276 Resp: 2735035

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	17.5	14.0	21.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049711.D
Acq On : 13 Mar 2025 12:19
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 13 14:42:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	343156	20.000	ng		0.00
21) Naphthalene-d8	10.604	136	1142867	20.000	ng		0.00
39) Acenaphthene-d10	14.445	164	676067	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	1230919	20.000	ng		0.00
76) Chrysene-d12	21.427	240	1192033	20.000	ng		0.00
86) Perylene-d12	24.439	264	1121126	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.387	112	2126098	104.542	ng		0.00
7) Phenol-d6	6.981	99	2664041	104.381	ng		0.00
23) Nitrobenzene-d5	8.963	82	2304709	103.536	ng		0.00
42) 2,4,6-Tribromophenol	15.933	330	911616	115.476	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	5733658	106.213	ng		0.00
79) Terphenyl-d14	19.809	244	8058803	113.924	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.287	88	439502	49.921	ng		99
3) Pyridine	3.687	79	1121278m	49.807	ng		
4) n-Nitrosodimethylamine	3.593	42	501117	50.371	ng		99
6) Aniline	7.140	93	1069294	50.009	ng		99
8) 2-Chlorophenol	7.375	128	1037349	51.508	ng		99
9) Benzaldehyde	6.946	77	587735	46.582	ng		98
10) Phenol	7.010	94	1267748	51.228	ng		97
11) bis(2-Chloroethyl)ether	7.234	93	1010944	50.446	ng		99
12) 1,3-Dichlorobenzene	7.698	146	1254499	51.256	ng		99
13) 1,4-Dichlorobenzene	7.846	146	1252803	50.739	ng		99
14) 1,2-Dichlorobenzene	8.163	146	1198091	51.057	ng		99
15) Benzyl Alcohol	8.046	79	838336	52.343	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.340	45	1173127	49.807	ng		99
17) 2-Methylphenol	8.257	107	763369	51.956	ng		99
18) Hexachloroethane	8.893	117	447960	51.375	ng		94
19) n-Nitroso-di-n-propyla...	8.616	70	773184	52.245	ng		98
20) 3+4-Methylphenols	8.581	107	1014565	51.528	ng		98
22) Acetophenone	8.628	105	1505469	51.088	ng	#	99
24) Nitrobenzene	9.004	77	1071054	51.028	ng		99
25) Isophorone	9.534	82	1769403	51.772	ng		100
26) 2-Nitrophenol	9.716	139	488752	54.709	ng		99
27) 2,4-Dimethylphenol	9.781	122	596007	52.413	ng		98
28) bis(2-Chloroethoxy)met...	10.016	93	1230419	51.115	ng		99
29) 2,4-Dichlorophenol	10.251	162	976969	52.725	ng		97
30) 1,2,4-Trichlorobenzene	10.469	180	1181673	50.972	ng		100
31) Naphthalene	10.651	128	3024467	51.466	ng		99
32) Benzoic acid	9.928	122	511116	52.834	ng		99
33) 4-Chloroaniline	10.763	127	1019020	50.809	ng		99
34) Hexachlorobutadiene	10.945	225	745756	52.109	ng		99
35) Caprolactam	11.545	113	226631	52.681	ng		96
36) 4-Chloro-3-methylphenol	11.892	107	825613	51.921	ng		99
37) 2-Methylnaphthalene	12.269	142	2099664	51.096	ng		99
38) 1-Methylnaphthalene	12.486	142	2032245	51.260	ng		99
40) 1,2,4,5-Tetrachloroben...	12.633	216	1320335	53.168	ng		99
41) Hexachlorocyclopentadiene	12.622	237	506457	55.050	ng		96
43) 2,4,6-Trichlorophenol	12.881	196	757946	54.496	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049711.D
Acq On : 13 Mar 2025 12:19
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:42:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.951	196	807292	53.190	ng	99
46) 1,1'-Biphenyl	13.280	154	2715061	52.107	ng	100
47) 2-Chloronaphthalene	13.322	162	2103079	51.855	ng	99
48) 2-Nitroaniline	13.522	65	496484	54.532	ng	98
49) Acenaphthylene	14.169	152	2966785	52.334	ng	100
50) Dimethylphthalate	13.904	163	2369244	50.900	ng	100
51) 2,6-Dinitrotoluene	14.016	165	487346	52.253	ng	98
52) Acenaphthene	14.510	154	1935920	52.126	ng	100
53) 3-Nitroaniline	14.345	138	468558	52.794	ng	98
54) 2,4-Dinitrophenol	14.551	184	245877	49.851	ng	97
55) Dibenzofuran	14.845	168	3181581	51.347	ng	99
56) 4-Nitrophenol	14.663	139	392805	50.845	ng	99
57) 2,4-Dinitrotoluene	14.804	165	640402	53.361	ng	99
58) Fluorene	15.492	166	2644175	52.414	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.074	232	665660	52.395	ng	99
60) Diethylphthalate	15.274	149	2261890	51.595	ng	99
61) 4-Chlorophenyl-phenyle...	15.492	204	1471150	53.403	ng	99
62) 4-Nitroaniline	15.510	138	502155	47.589	ng	99
63) Azobenzene	15.780	77	2173983	51.918	ng	99
65) 4,6-Dinitro-2-methylph...	15.569	198	336162	49.773	ng	96
66) n-Nitrosodiphenylamine	15.704	169	1980682	53.109	ng	98
67) 4-Bromophenyl-phenylether	16.380	248	765956	53.896	ng	99
68) Hexachlorobenzene	16.498	284	842630	52.726	ng	99
69) Atrazine	16.651	200	302033	36.748	ng	99
70) Pentachlorophenol	16.839	266	524923	52.267	ng	98
71) Phenanthrene	17.227	178	3564661	52.153	ng	100
72) Anthracene	17.321	178	3519355	53.168	ng	100
73) Carbazole	17.586	167	3125864	52.143	ng	100
74) Di-n-butylphthalate	18.163	149	3583163	54.535	ng	99
75) Fluoranthene	19.245	202	4164429	52.921	ng	100
77) Benzidine	19.427	184	815052	56.913	ng	99
78) Pyrene	19.604	202	4375693	52.541	ng	99
80) Butylbenzylphthalate	20.509	149	1436857	55.594	ng	99
81) Benzo(a)anthracene	21.409	228	4214500	52.933	ng	100
82) 3,3'-Dichlorobenzidine	21.333	252	1413811	54.540	ng	100
83) Chrysene	21.468	228	3970998	52.613	ng	99
84) Bis(2-ethylhexyl)phtha...	21.339	149	2296803	57.022	ng	99
85) Di-n-octyl phthalate	22.480	149	3414666	54.543	ng	100
87) Indeno(1,2,3-cd)pyrene	27.850	276	4391909	54.427	ng	100
88) Benzo(b)fluoranthene	23.492	252	4015121	53.172	ng	99
89) Benzo(k)fluoranthene	23.556	252	3946464	53.113	ng	99
90) Benzo(a)pyrene	24.303	252	3392495	53.487	ng	99
91) Dibenzo(a,h)anthracene	27.909	278	3641852	54.170	ng	99
92) Benzo(g,h,i)perylene	28.915	276	3633253	53.651	ng	99

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

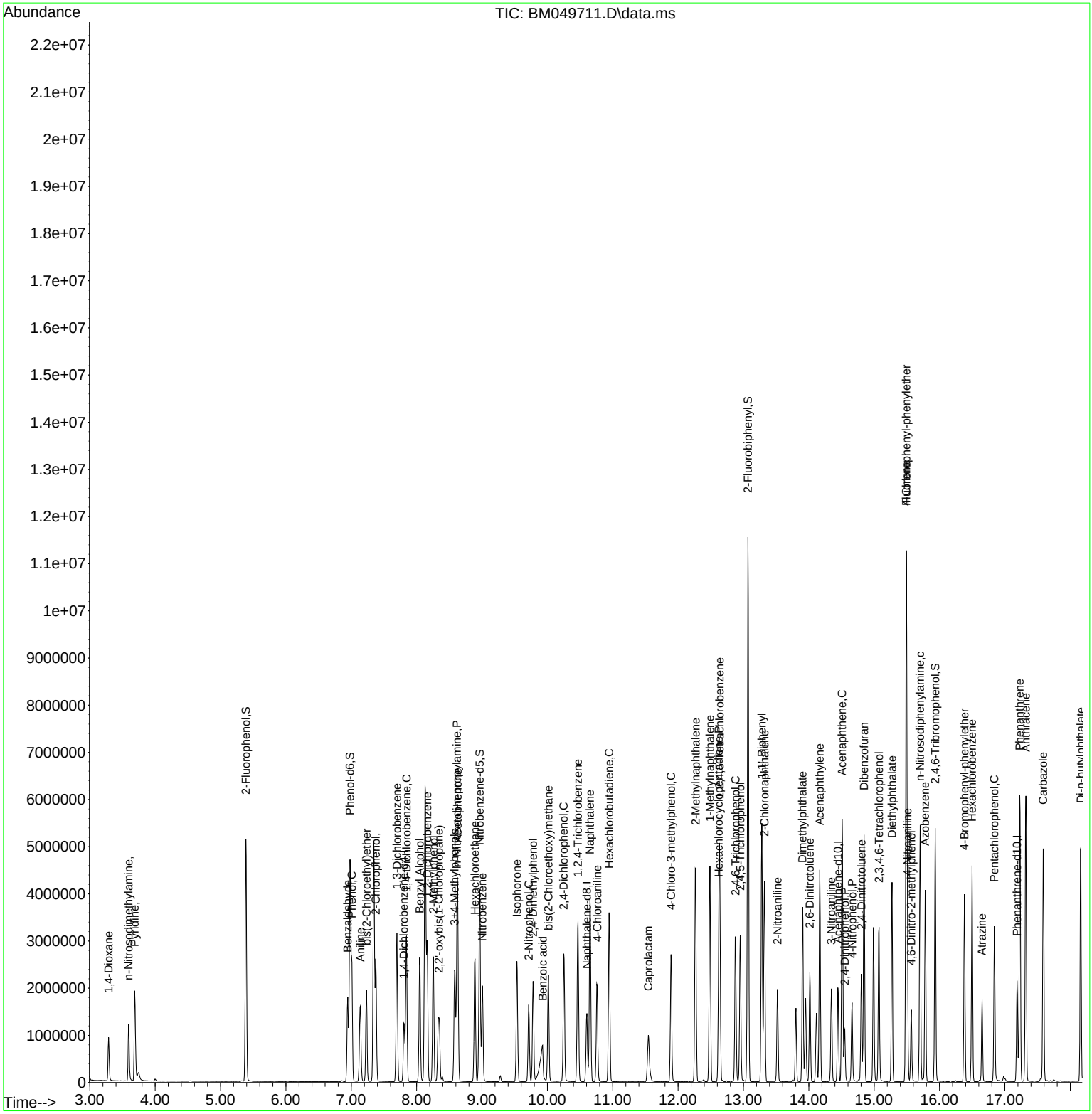
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049711.D
Acq On : 13 Mar 2025 12:19
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 13 14:42:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



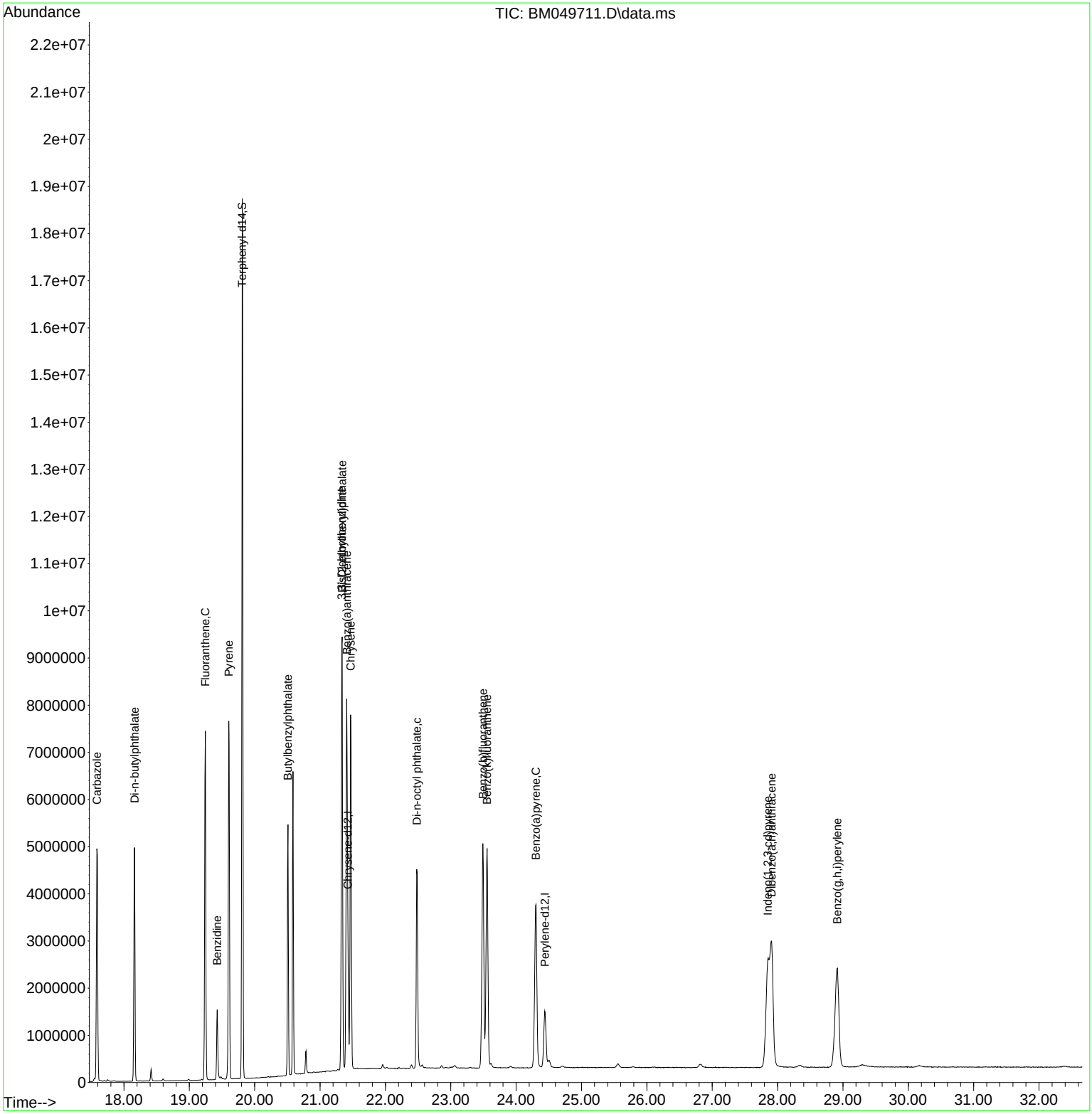
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049711.D
Acq On : 13 Mar 2025 12:19
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

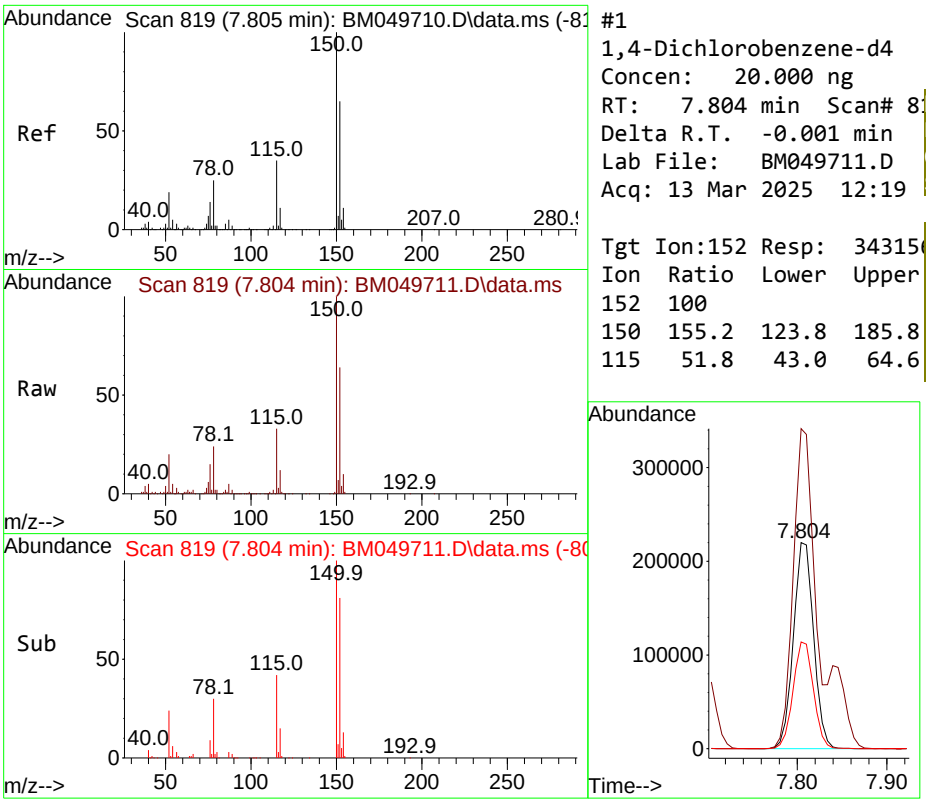
Quant Time: Mar 13 14:42:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 8
Delta R.T. -0.001 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

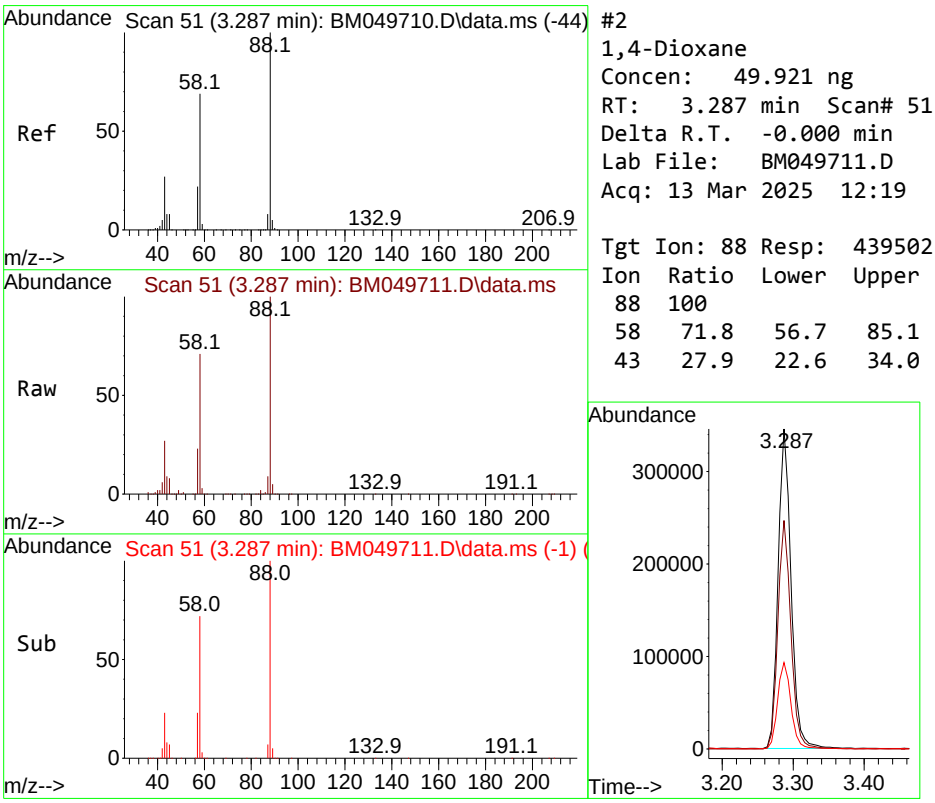
Tgt Ion:152 Resp: 34315

Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.8	185.8
115	51.8	43.0	64.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

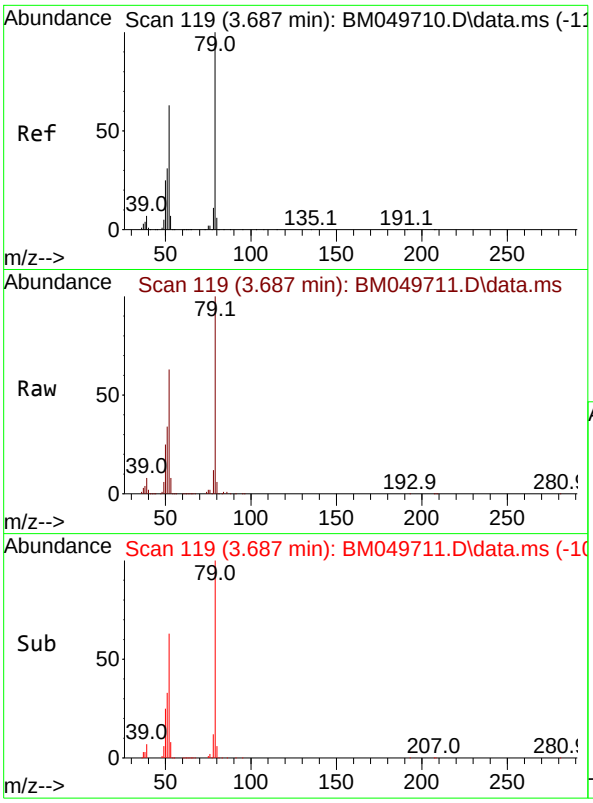
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#2
1,4-Dioxane
Concen: 49.921 ng
RT: 3.287 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 88 Resp: 439502

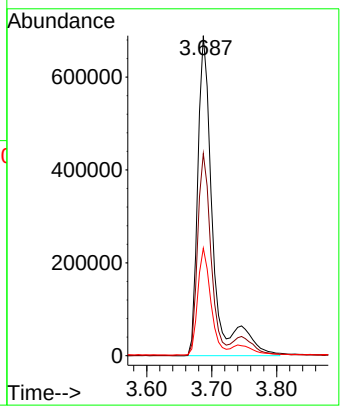
Ion	Ratio	Lower	Upper
88	100		
58	71.8	56.7	85.1
43	27.9	22.6	34.0



#3
Pyridine
Concen: 49.807 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 79 Resp: 112127

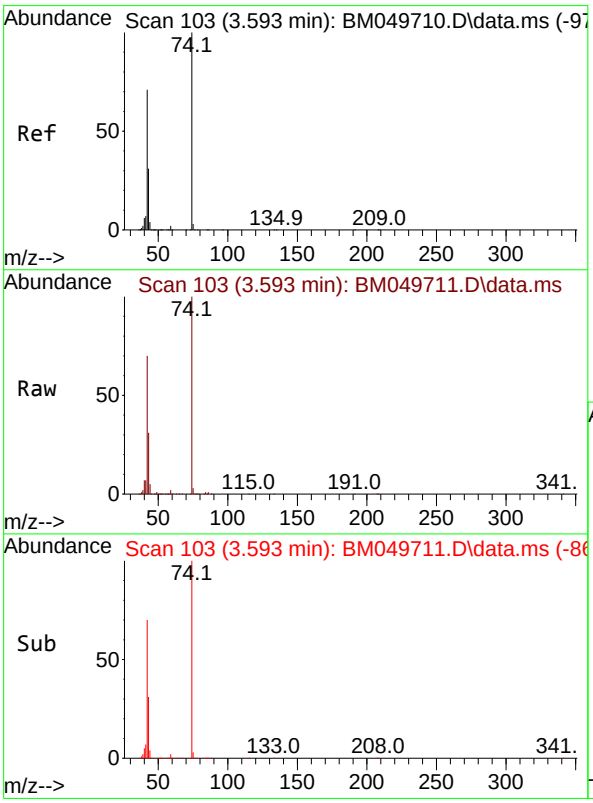
Ion	Ratio	Lower	Upper
79	100		
52	63.2	50.1	75.1
51	33.6	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

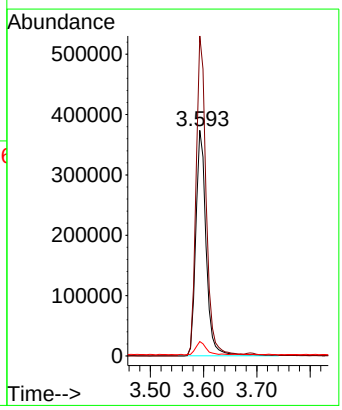
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

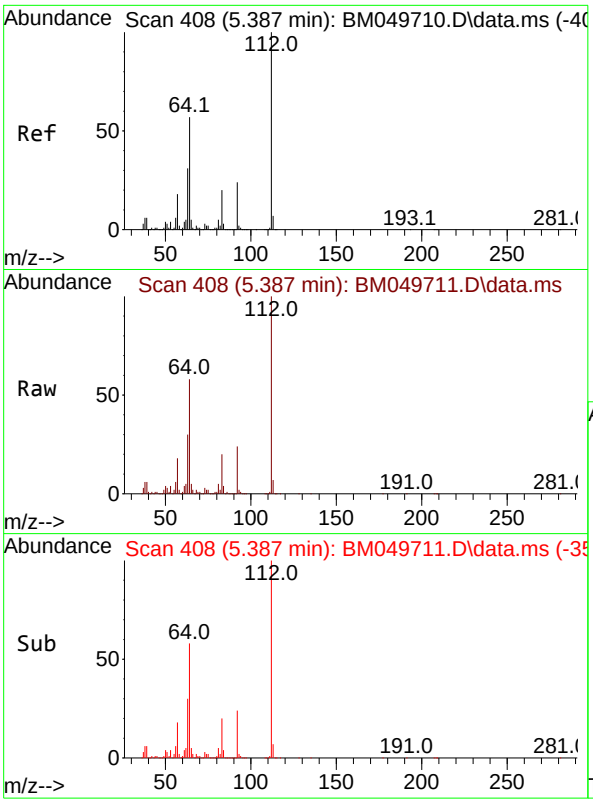


#4
n-Nitrosodimethylamine
Concen: 50.371 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 42 Resp: 501117

Ion	Ratio	Lower	Upper
42	100		
74	141.9	112.6	168.8
44	6.4	5.0	7.6

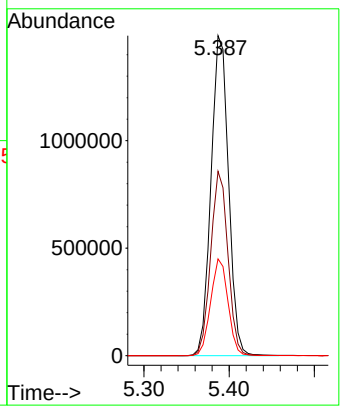




#5
2-Fluorophenol
Concen: 104.542 ng
RT: 5.387 min Scan# 4(
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:112 Resp: 212609

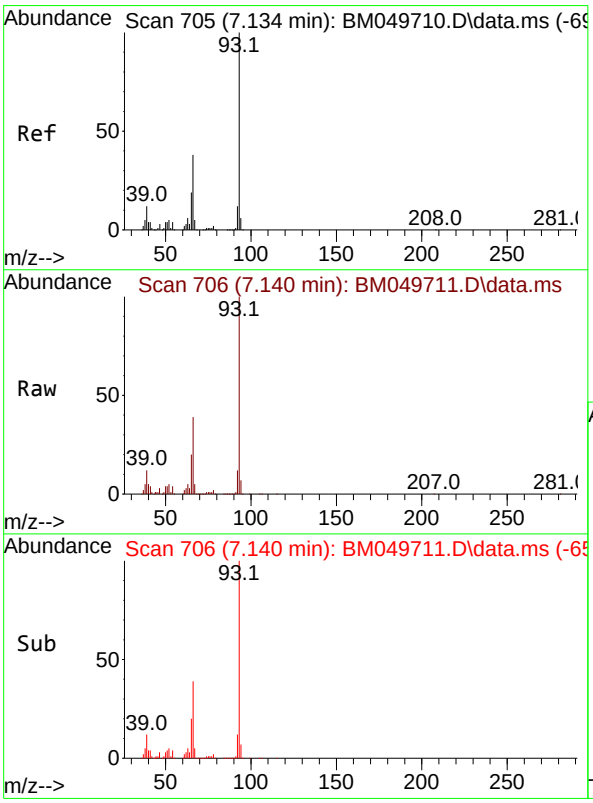
Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.3	67.9
63	30.2	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

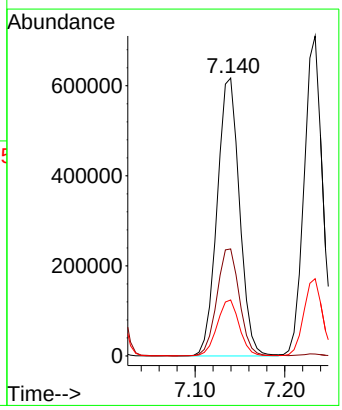
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

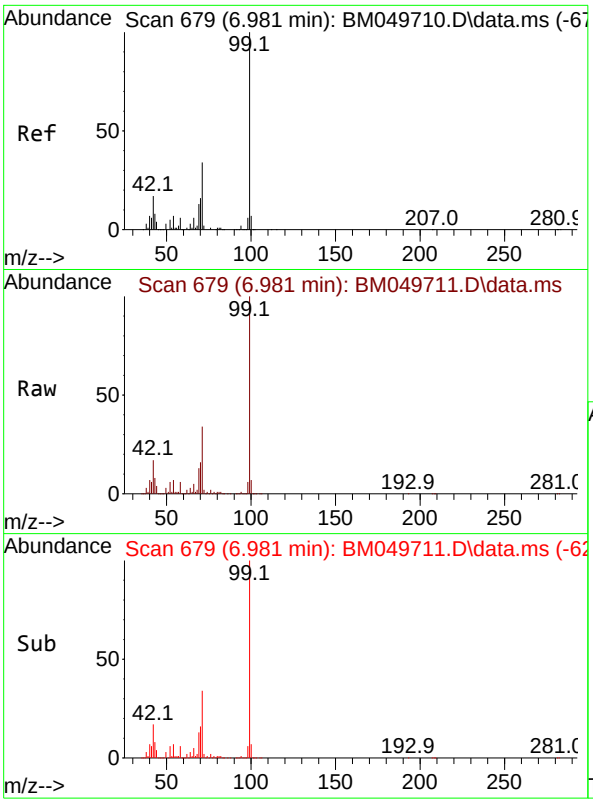


#6
Aniline
Concen: 50.009 ng
RT: 7.140 min Scan# 706
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 93 Resp: 1069294

Ion	Ratio	Lower	Upper
93	100		
66	38.5	30.6	46.0
65	20.2	15.4	23.2

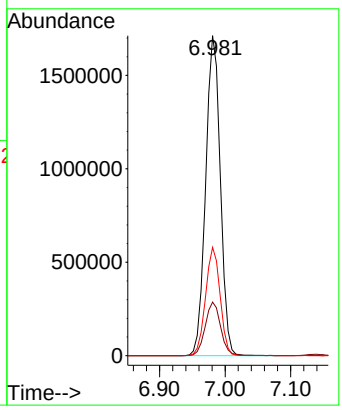




#7
Phenol-d6
Concen: 104.381 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 99 Resp: 266404

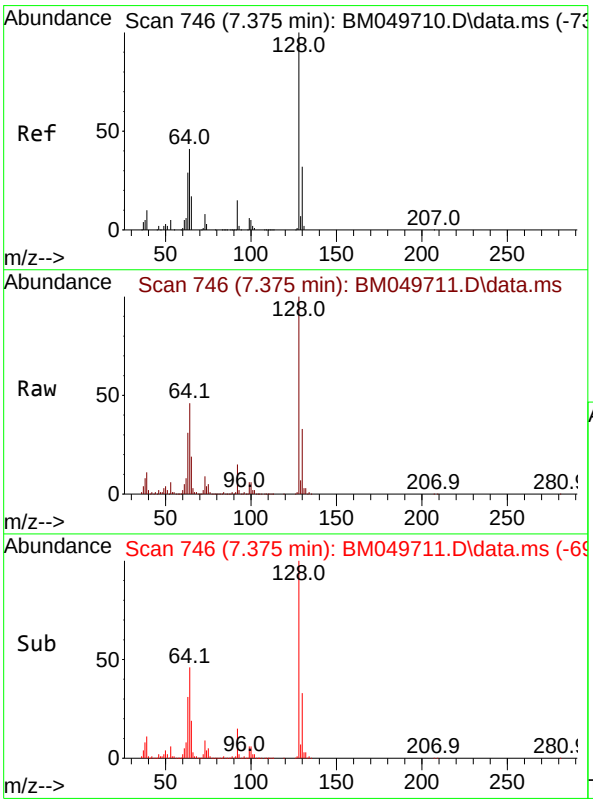
Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.6	20.4
71	33.9	27.0	40.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

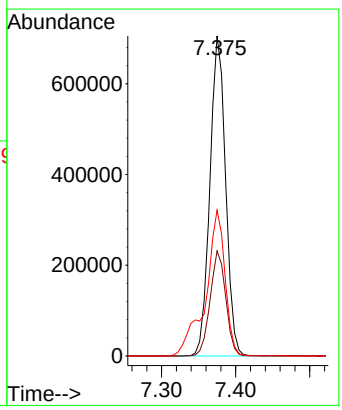
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

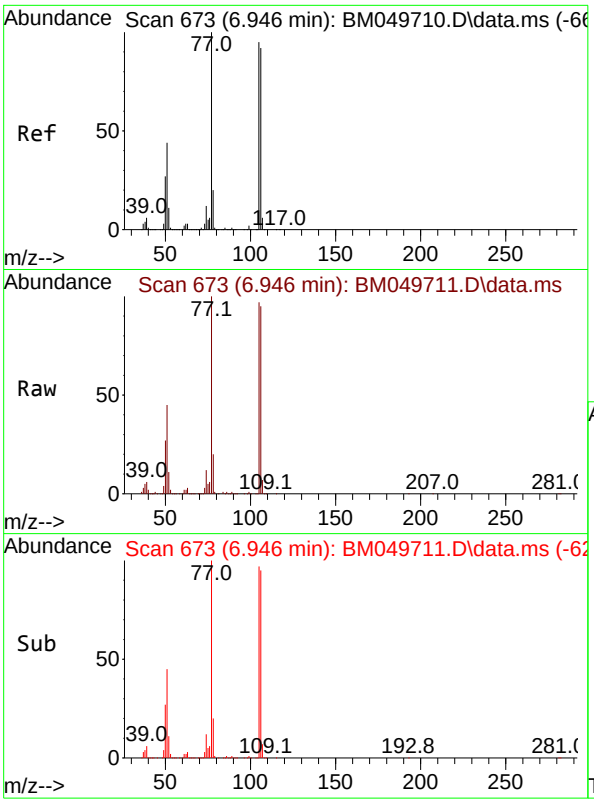


#8
2-Chlorophenol
Concen: 51.508 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:128 Resp: 1037349

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.5	52.5
64	45.5	24.9	64.9

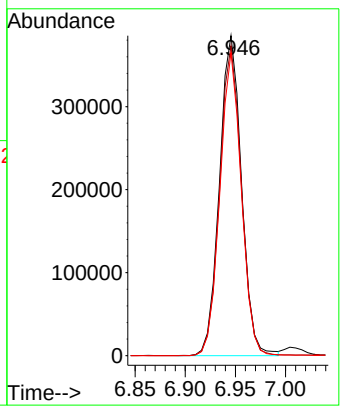




#9
Benzaldehyde
Concen: 46.582 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 77 Resp: 58773

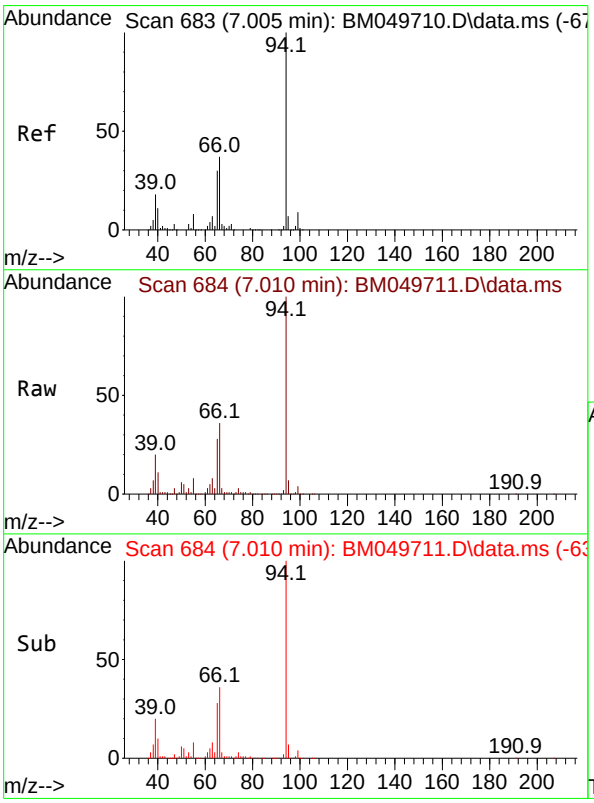
Ion	Ratio	Lower	Upper
77	100		
105	96.9	75.0	115.0
106	94.7	72.3	112.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

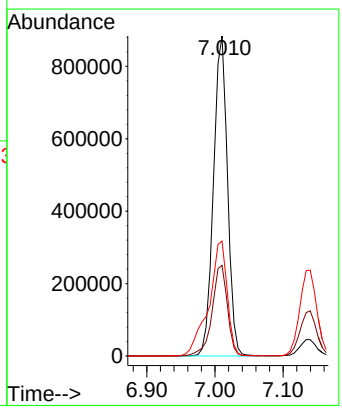
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

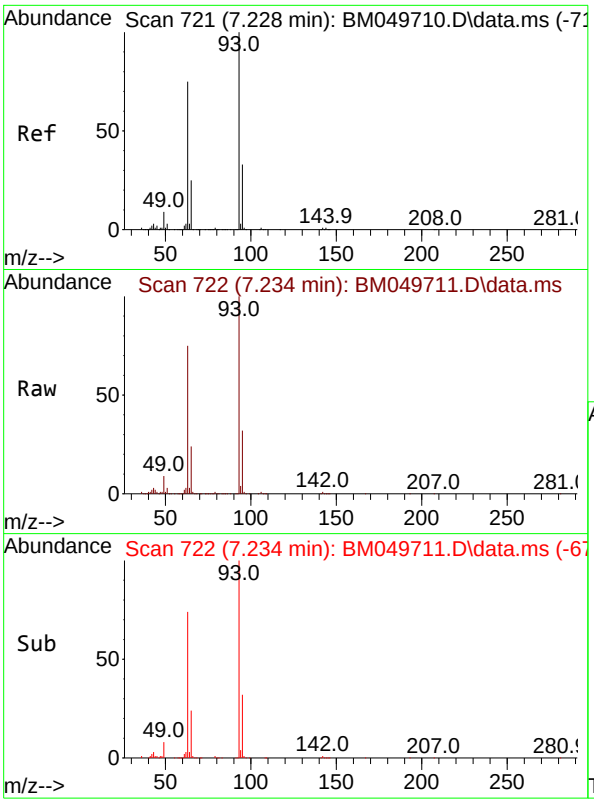


#10
Phenol
Concen: 51.228 ng
RT: 7.010 min Scan# 684
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 94 Resp: 1267748

Ion	Ratio	Lower	Upper
94	100		
65	28.3	10.4	50.4
66	35.9	17.1	57.1

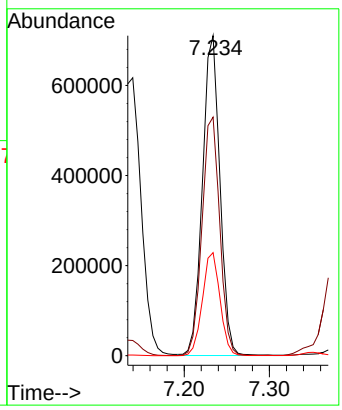




#11
bis(2-Chloroethyl)ether
Concen: 50.446 ng
RT: 7.234 min Scan# 7
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 93 Resp: 101094

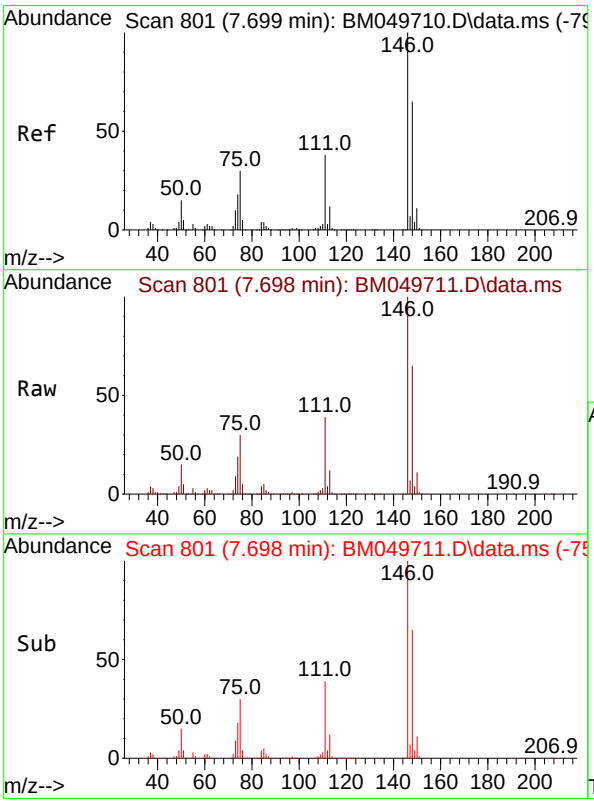
Ion	Ratio	Lower	Upper
93	100		
63	74.5	54.8	94.8
95	32.2	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

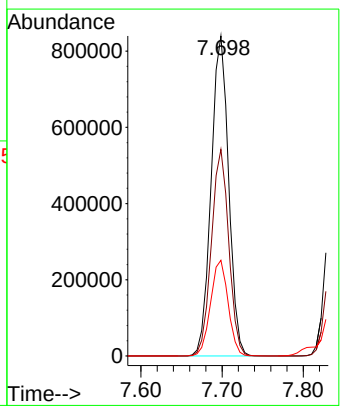
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

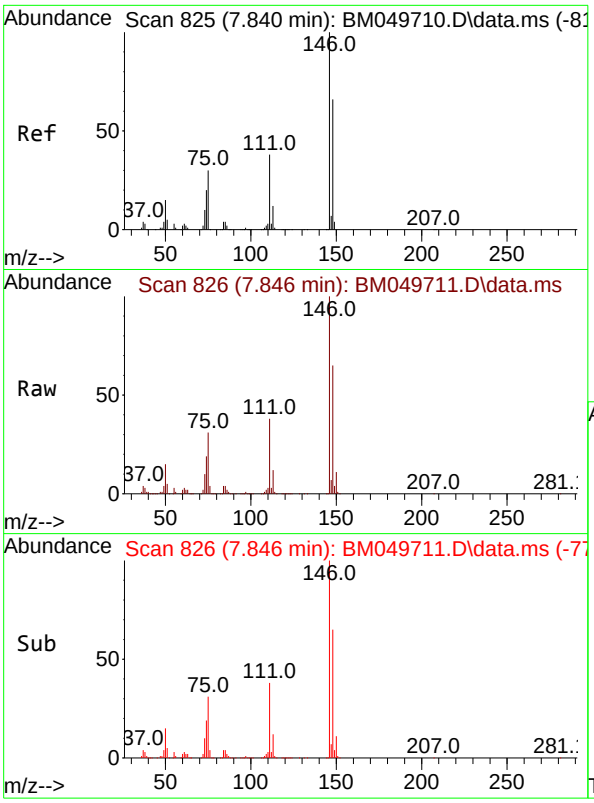


#12
1,3-Dichlorobenzene
Concen: 51.256 ng
RT: 7.698 min Scan# 801
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:146 Resp: 1254499

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.3	78.5
75	29.9	24.2	36.2

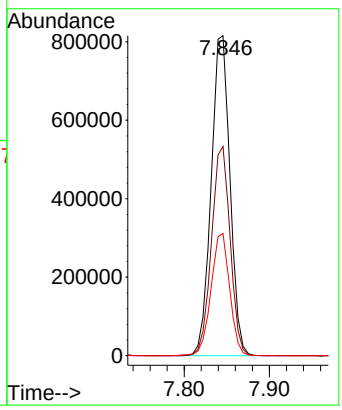




#13
1,4-Dichlorobenzene
Concen: 50.739 ng
RT: 7.846 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:146 Resp: 125280

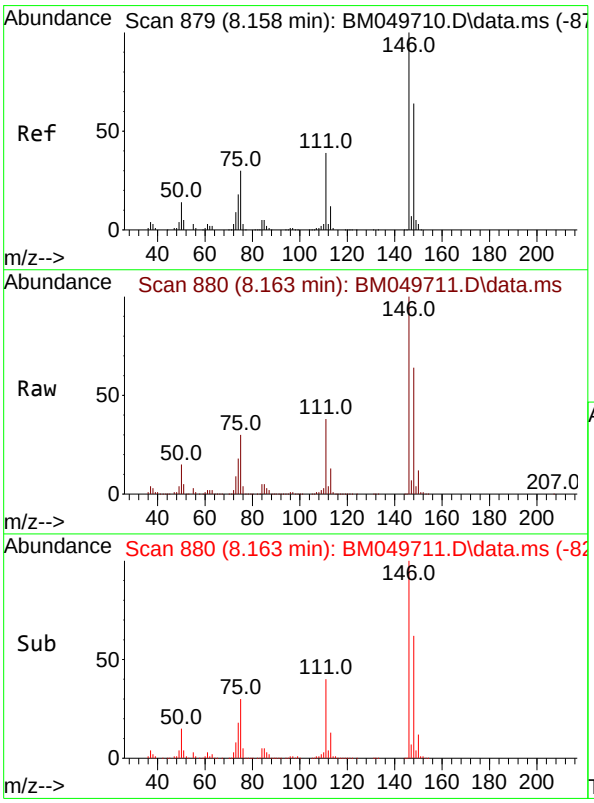
Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.6	79.0
111	38.2	30.8	46.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

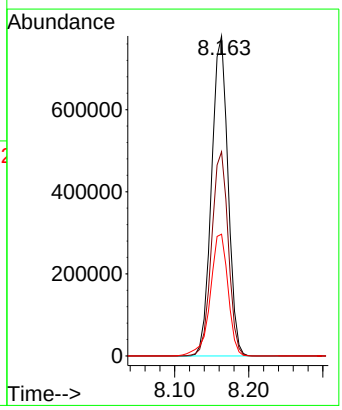
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

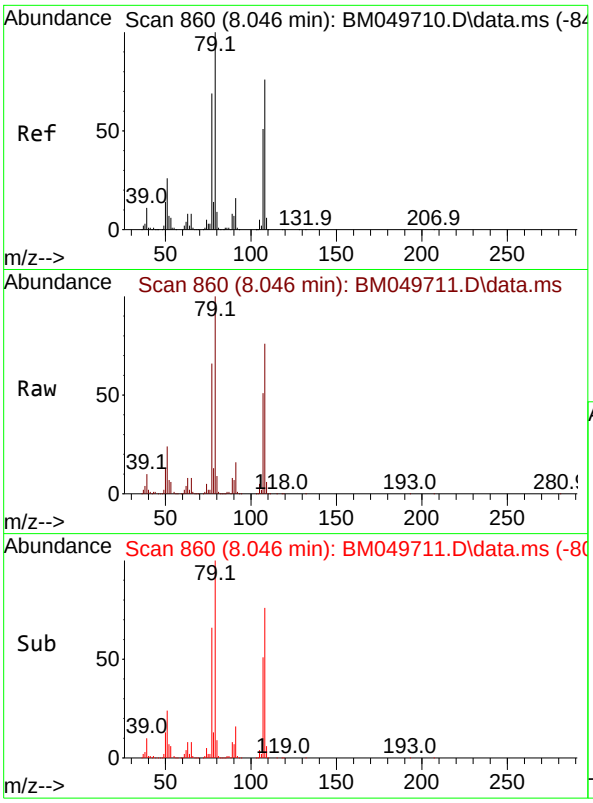


#14
1,2-Dichlorobenzene
Concen: 51.057 ng
RT: 8.163 min Scan# 880
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:146 Resp: 1198091

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.9	76.3
111	38.1	31.0	46.6

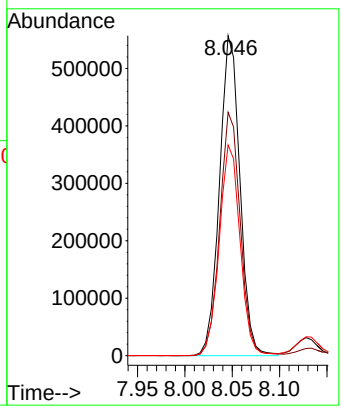




#15
Benzyl Alcohol
Concen: 52.343 ng
RT: 8.046 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 79 Resp: 83833

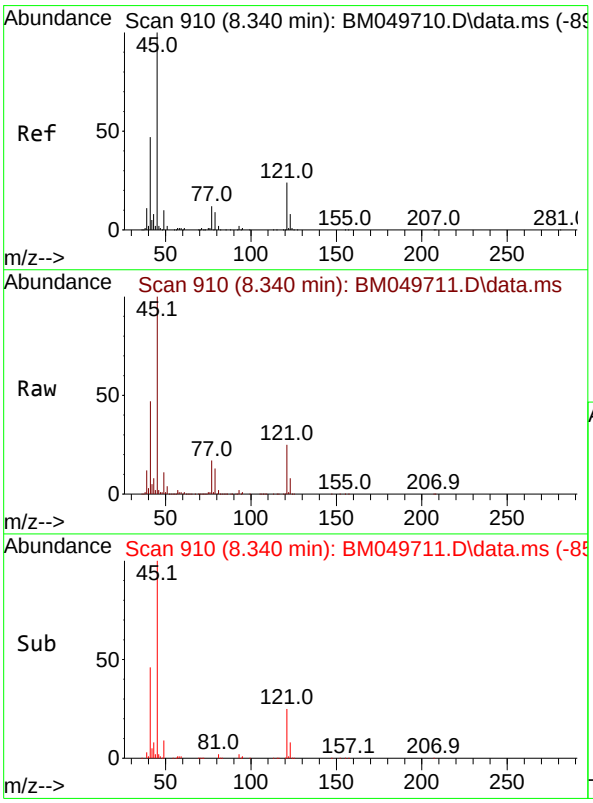
Ion	Ratio	Lower	Upper
79	100		
108	76.1	60.7	91.1
77	65.8	55.4	83.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

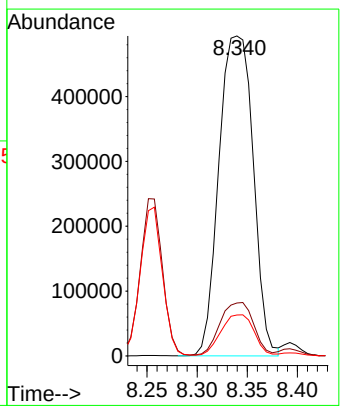
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

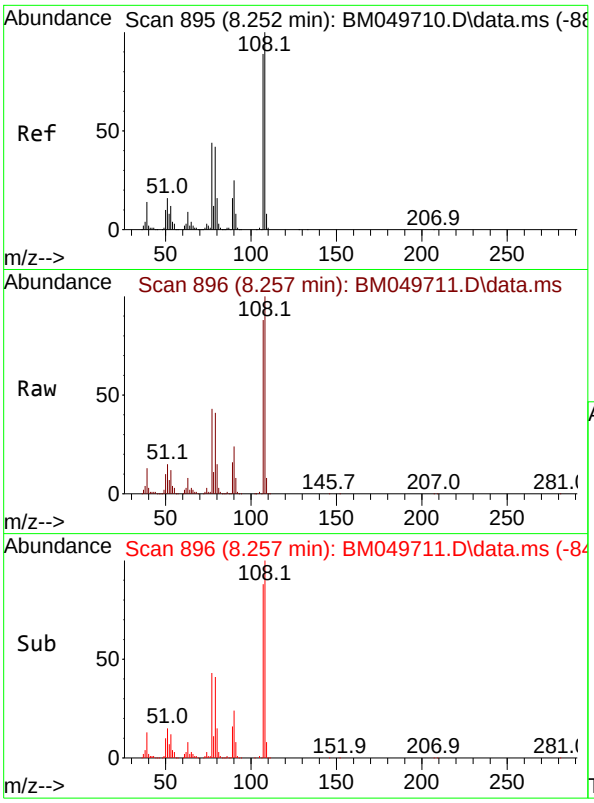


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.807 ng
RT: 8.340 min Scan# 910
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 45 Resp: 1173127

Ion	Ratio	Lower	Upper
45	100		
77	16.6	0.0	36.1
79	12.8	0.0	32.8

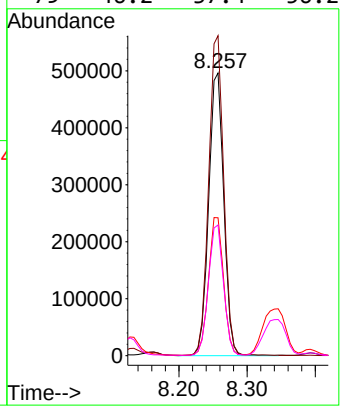




#17
2-Methylphenol
Concen: 51.956 ng
RT: 8.257 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:107 Resp: 76336

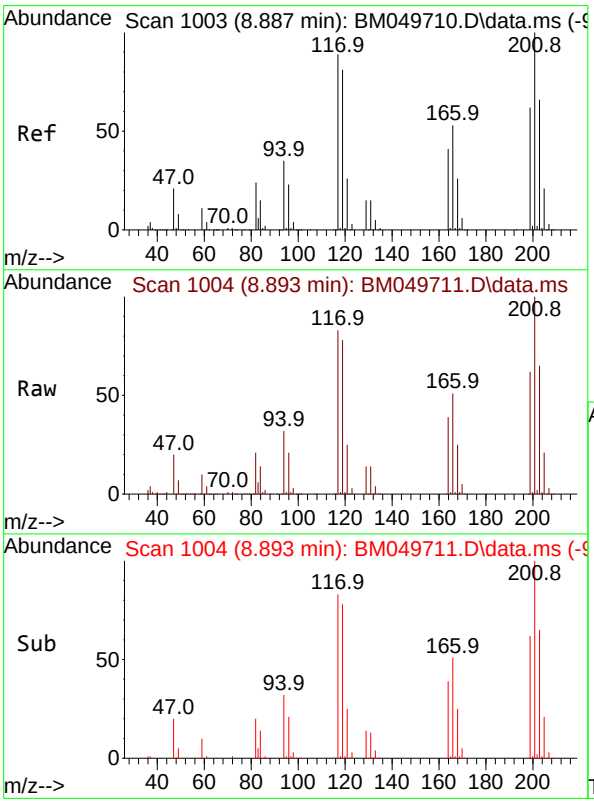
Ion	Ratio	Lower	Upper
107	100		
108	113.2	89.6	134.4
77	48.8	39.8	59.6
79	46.2	37.4	56.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

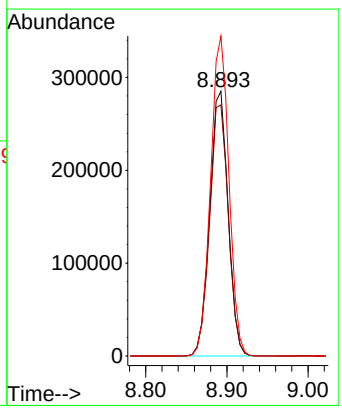
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

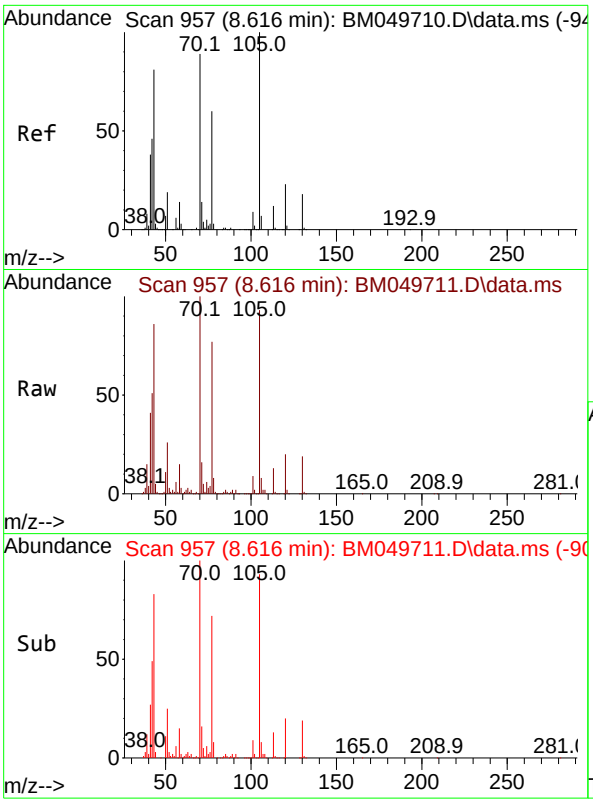


#18
Hexachloroethane
Concen: 51.375 ng
RT: 8.893 min Scan# 1004
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:117 Resp: 447960

Ion	Ratio	Lower	Upper
117	100		
119	94.9	73.1	109.7
201	121.0	90.0	135.0

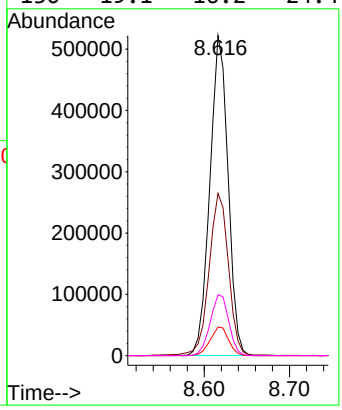




#19
n-Nitroso-di-n-propylamine
Concen: 52.245 ng
RT: 8.616 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 70 Resp: 77318

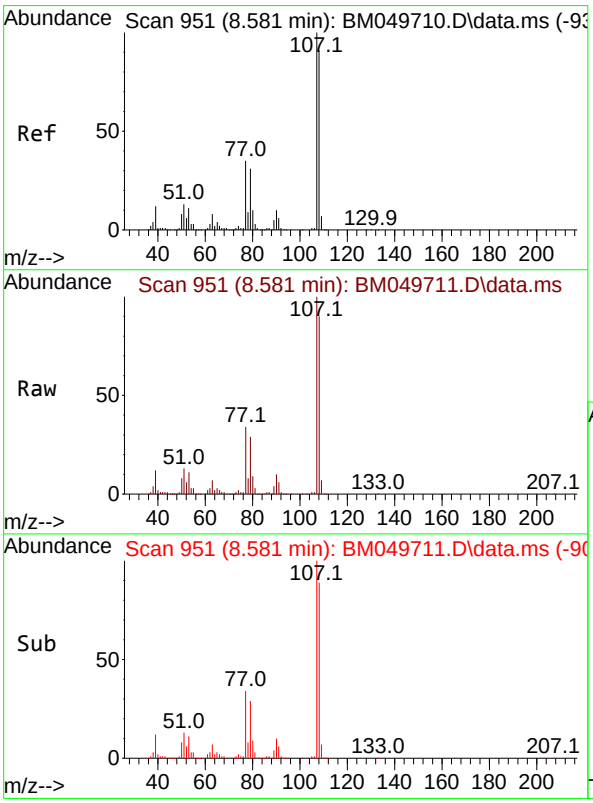
Ion	Ratio	Lower	Upper
70	100		
42	50.7	41.8	62.6
101	9.0	7.7	11.5
130	19.1	16.2	24.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

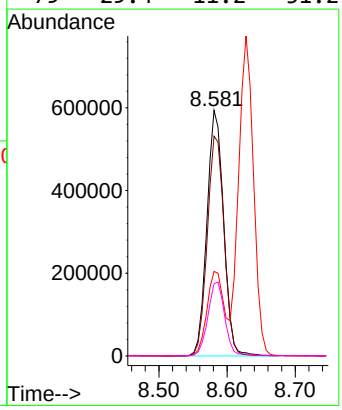
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

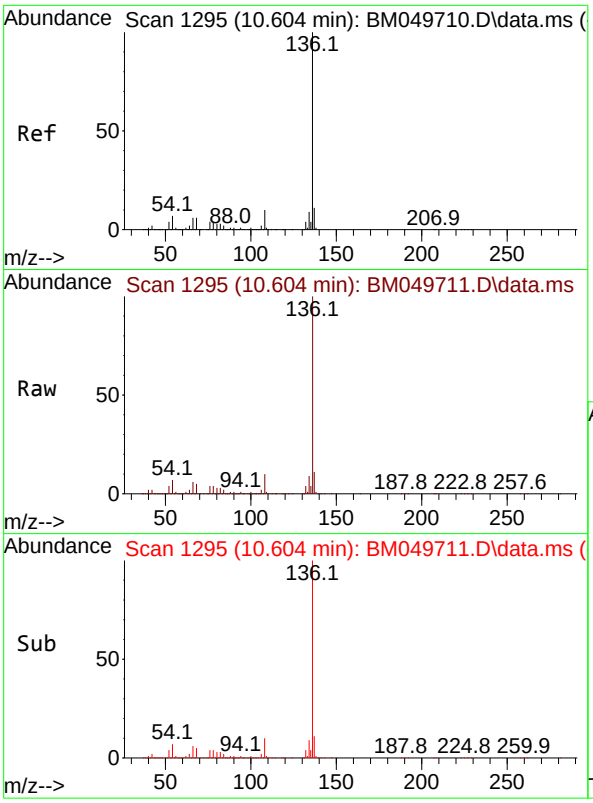


#20
3+4-Methylphenols
Concen: 51.528 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:107 Resp: 1014565

Ion	Ratio	Lower	Upper
107	100		
108	89.5	71.0	111.0
77	34.4	15.1	55.1
79	29.4	11.2	51.2

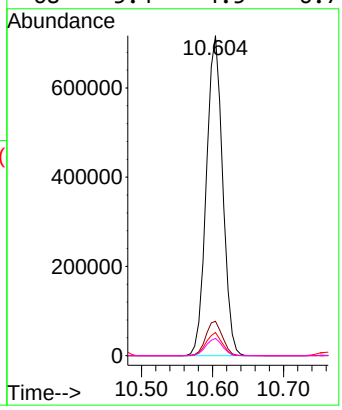




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:136 Resp: 114286

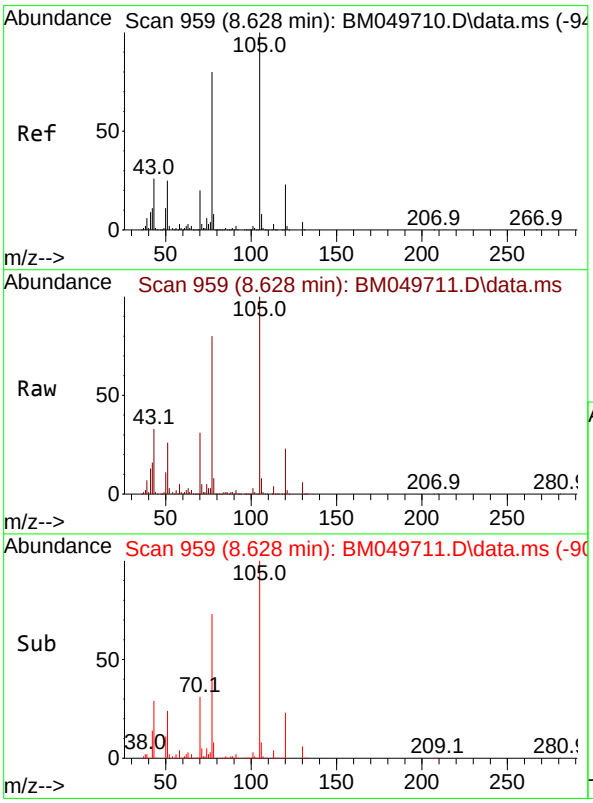
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	7.3	5.8	8.8
68	5.4	4.5	6.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

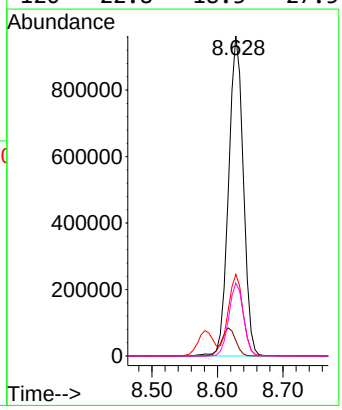
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

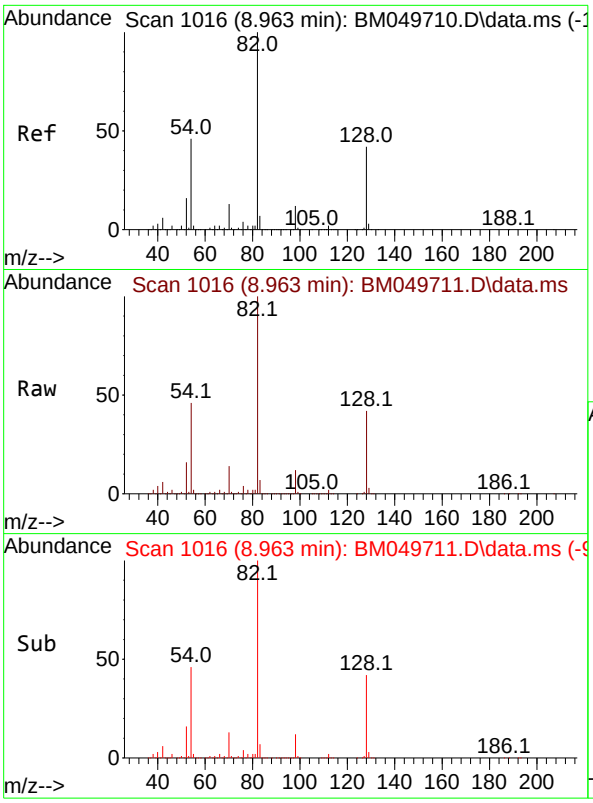


#22
Acetophenone
Concen: 51.088 ng
RT: 8.628 min Scan# 959
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:105 Resp: 1505469

Ion	Ratio	Lower	Upper
105	100		
71	4.9	2.5	3.7#
51	25.5	19.9	29.9
120	22.8	18.3	27.5

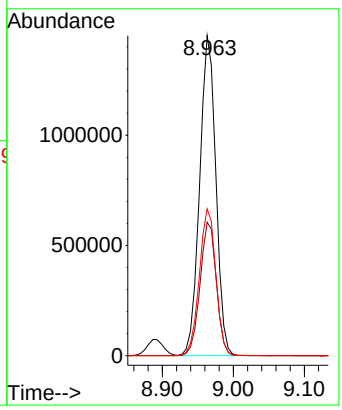




#23
Nitrobenzene-d5
Concen: 103.536 ng
RT: 8.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 82 Resp: 230470

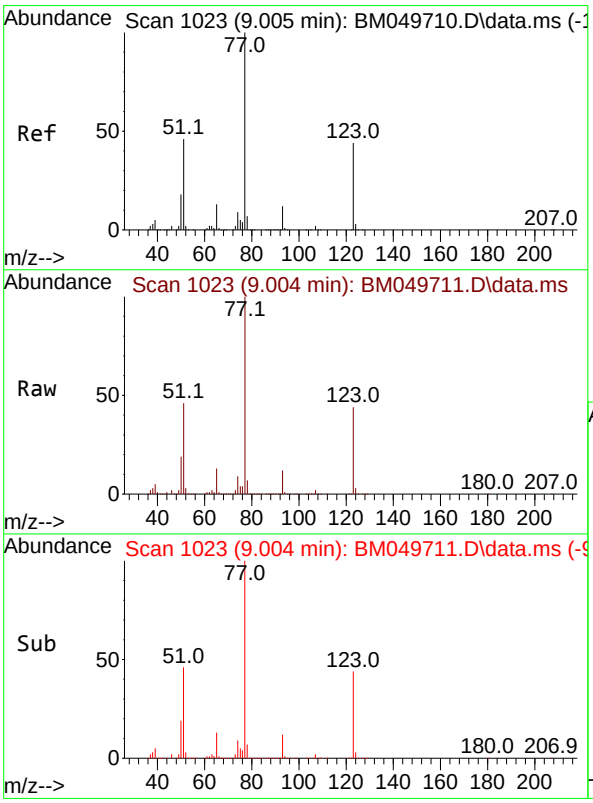
Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.4	50.0
54	45.8	36.4	54.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

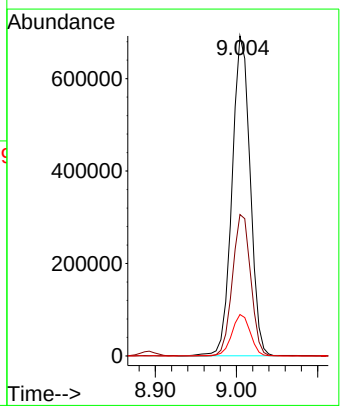
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

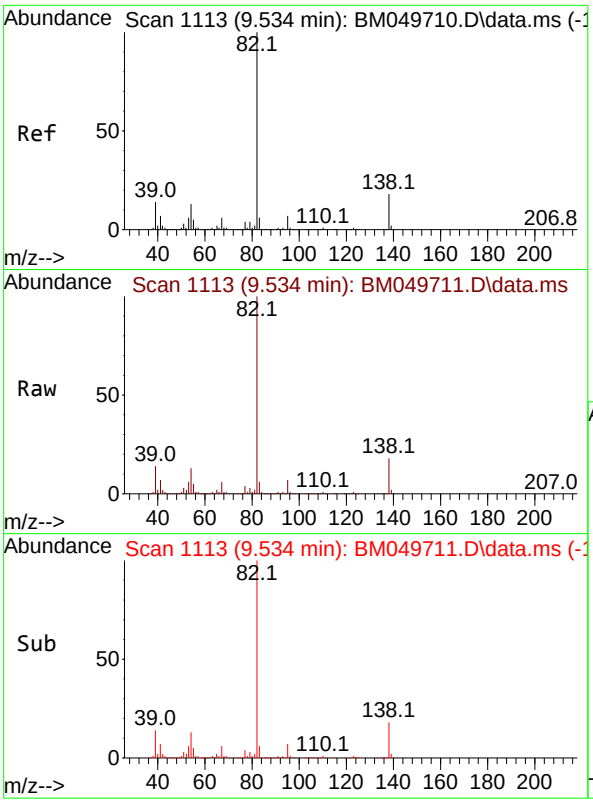


#24
Nitrobenzene
Concen: 51.028 ng
RT: 9.004 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 77 Resp: 1071054

Ion	Ratio	Lower	Upper
77	100		
123	44.2	34.9	52.3
65	13.0	10.6	15.8





#25
Isophorone
Concen: 51.772 ng
RT: 9.534 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

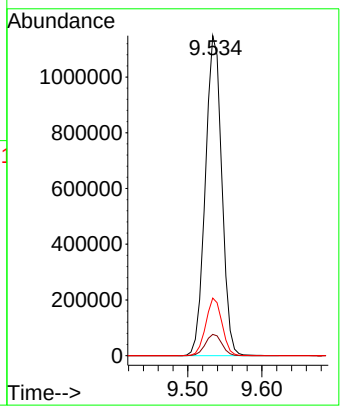
Tgt Ion: 82 Resp: 176940

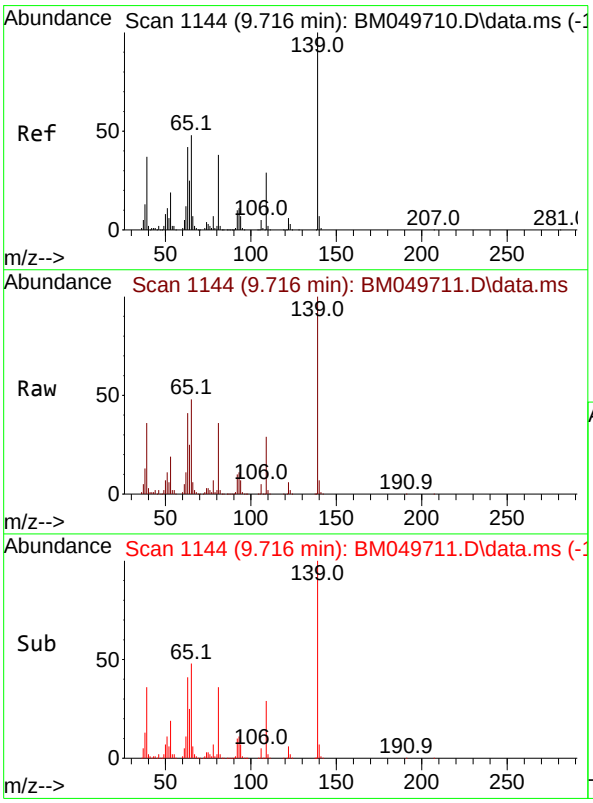
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.3	7.9
138	18.0	14.4	21.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

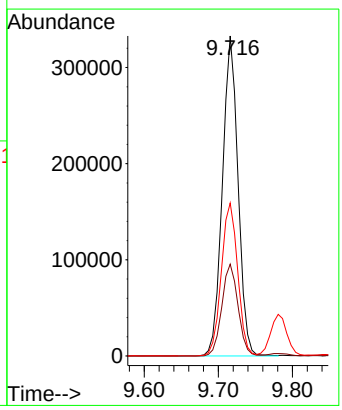


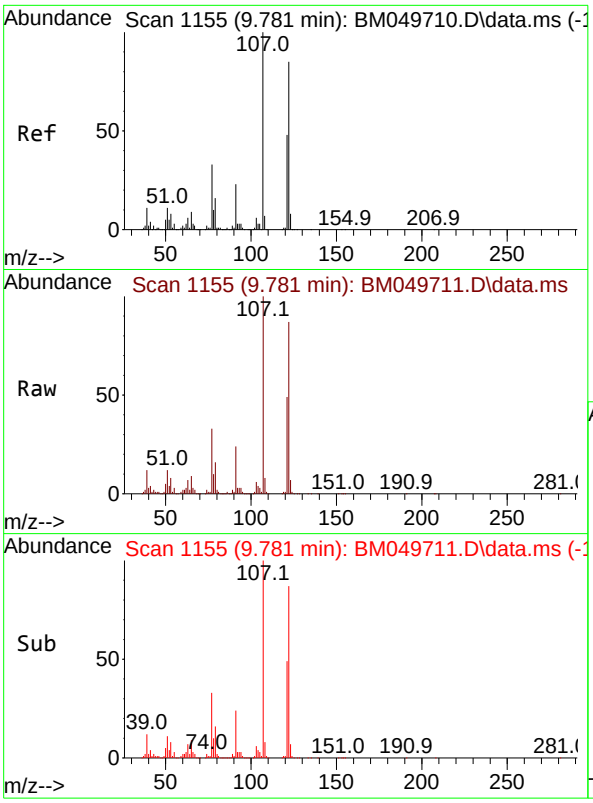


#26
2-Nitrophenol
Concen: 54.709 ng
RT: 9.716 min Scan# 1144
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:139 Resp: 488752

Ion	Ratio	Lower	Upper
139	100		
109	28.7	23.3	34.9
65	47.8	38.6	58.0

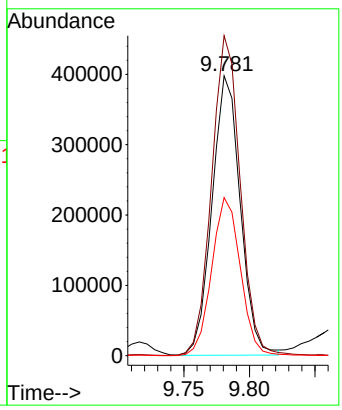




#27
2,4-Dimethylphenol
Concen: 52.413 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:122 Resp: 59600

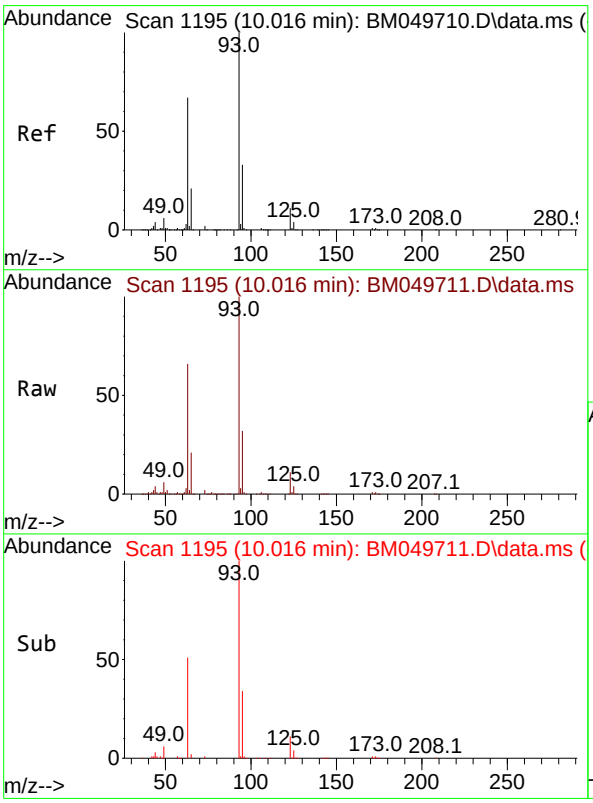
Ion	Ratio	Lower	Upper
122	100		
107	114.4	94.3	141.5
121	56.5	45.4	68.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

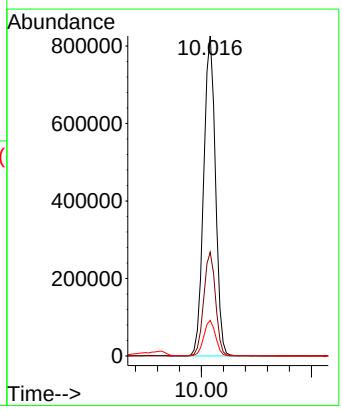
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

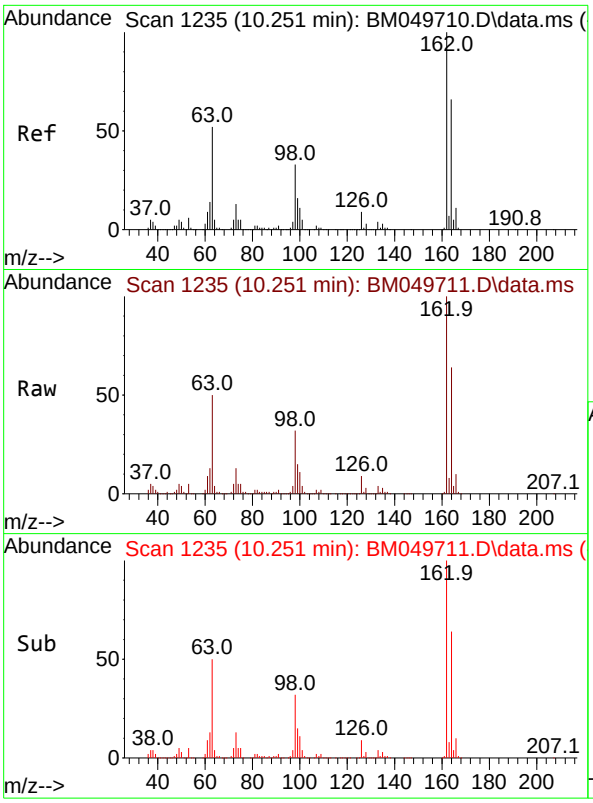


#28
bis(2-Chloroethoxy)methane
Concen: 51.115 ng
RT: 10.016 min Scan# 1195
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 93 Resp: 1230419

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.6	40.0
123	11.1	9.0	13.6

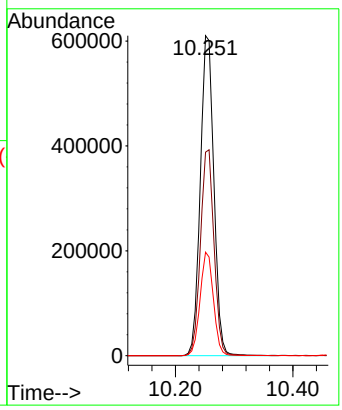




#29
2,4-Dichlorophenol
Concen: 52.725 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:162 Resp: 97696

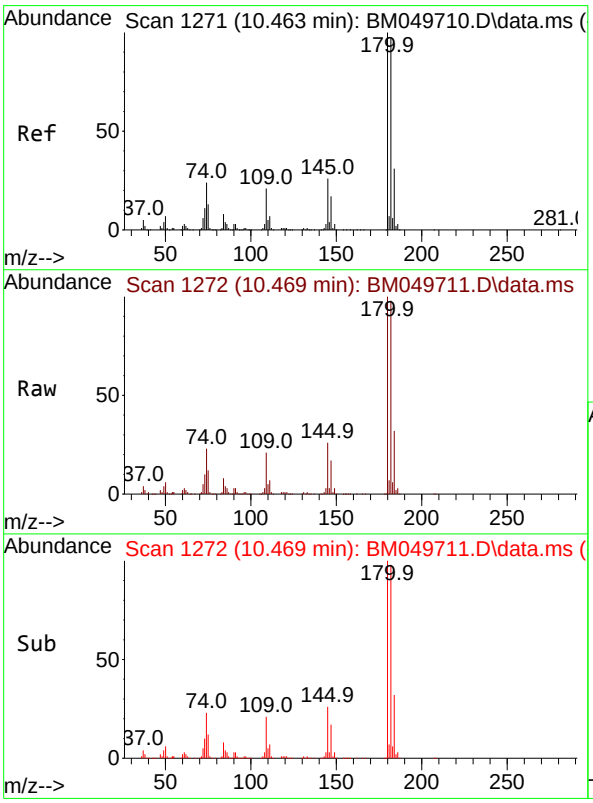
Ion	Ratio	Lower	Upper
162	100		
164	63.6	46.3	86.3
98	32.4	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

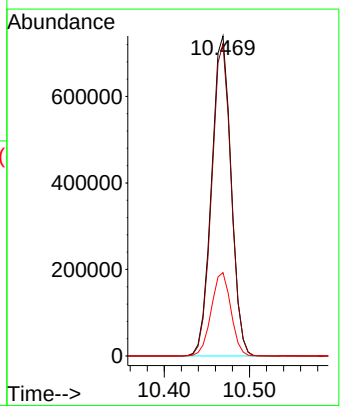
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

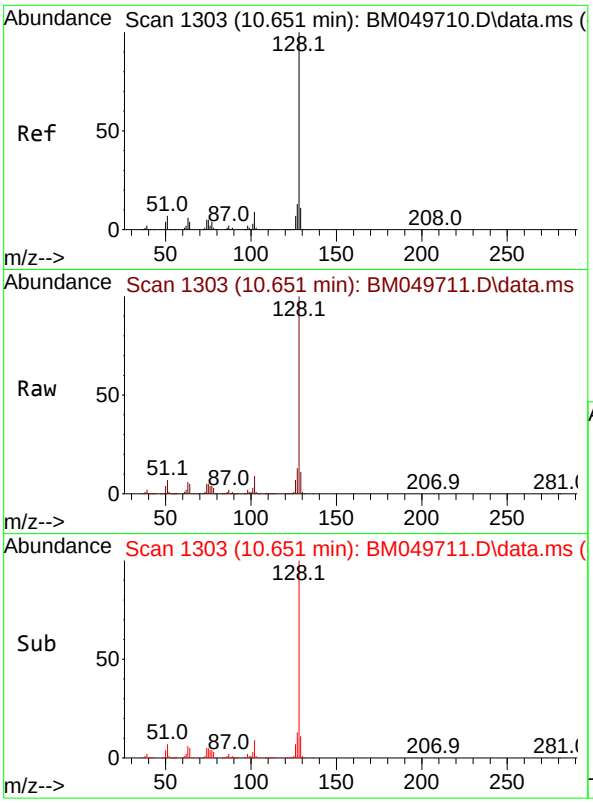


#30
1,2,4-Trichlorobenzene
Concen: 50.972 ng
RT: 10.469 min Scan# 1272
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:180 Resp: 1181673

Ion	Ratio	Lower	Upper
180	100		
182	97.6	77.7	116.5
145	26.0	21.0	31.4

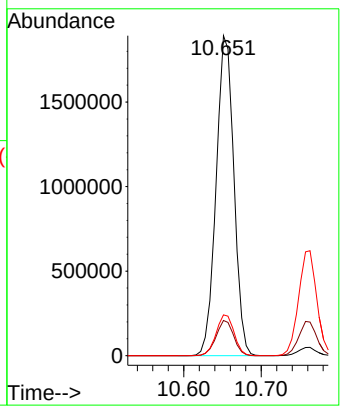




#31
Naphthalene
Concen: 51.466 ng
RT: 10.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:128 Resp: 302446

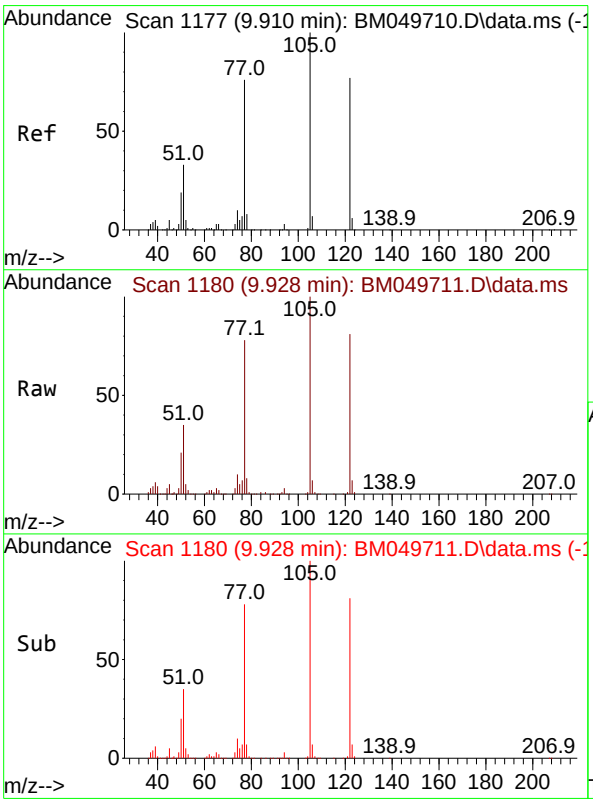
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	12.7	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

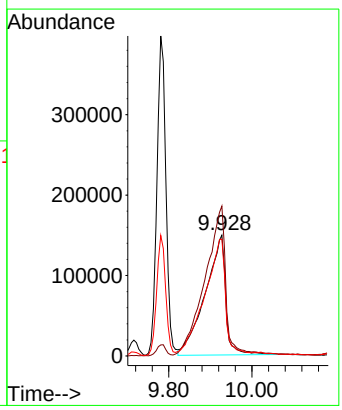
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

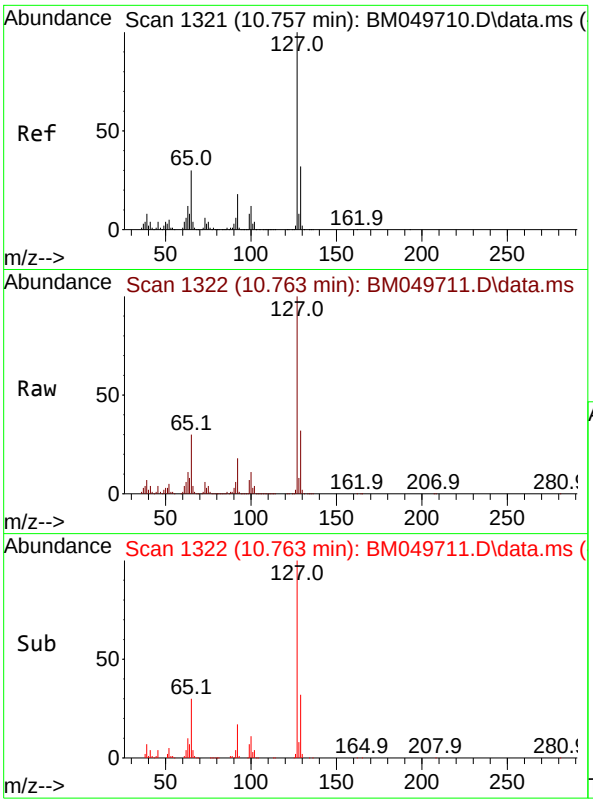


#32
Benzoic acid
Concen: 52.834 ng
RT: 9.928 min Scan# 1180
Delta R.T. 0.018 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:122 Resp: 511116

Ion	Ratio	Lower	Upper
122	100		
105	124.2	105.6	145.6
77	96.9	76.9	116.9

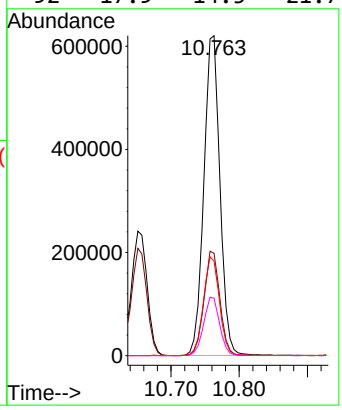




#33
4-Chloroaniline
Concen: 50.809 ng
RT: 10.763 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:127 Resp: 101902

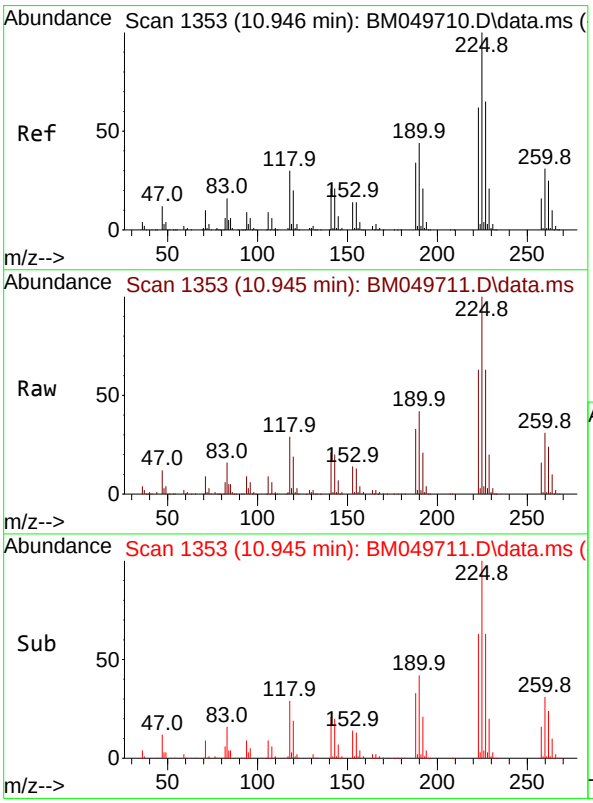
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.7	38.5
65	29.6	24.1	36.1
92	17.9	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

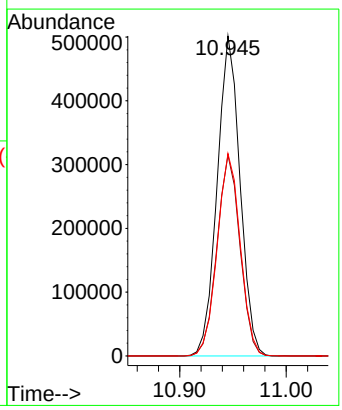
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

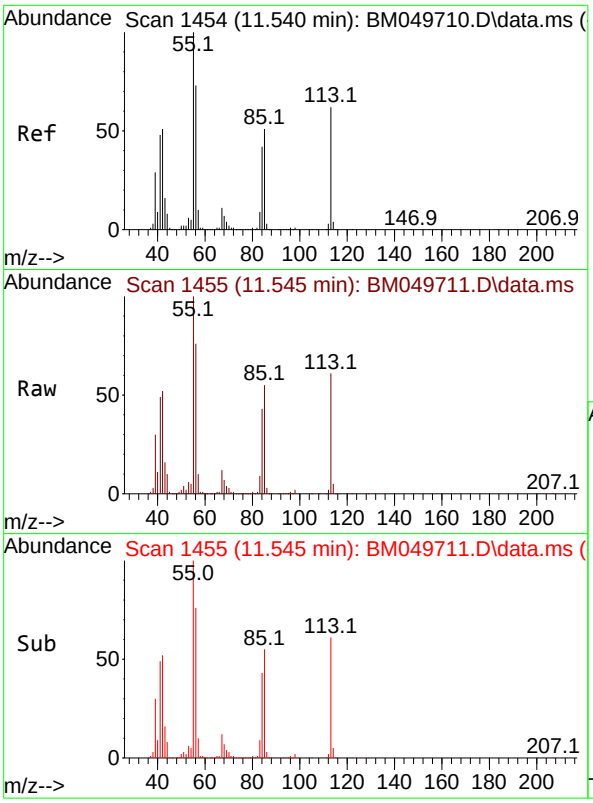


#34
Hexachlorobutadiene
Concen: 52.109 ng
RT: 10.945 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:225 Resp: 745756

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.8	74.8
227	63.3	52.1	78.1





#35
Caprolactam
Concen: 52.681 ng
RT: 11.545 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

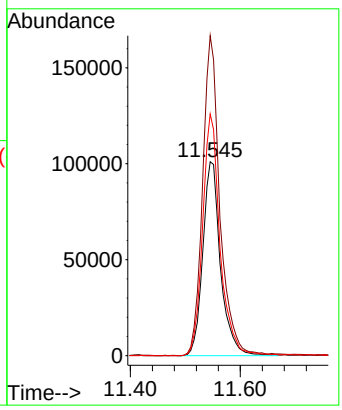
Tgt Ion:113 Resp: 22663

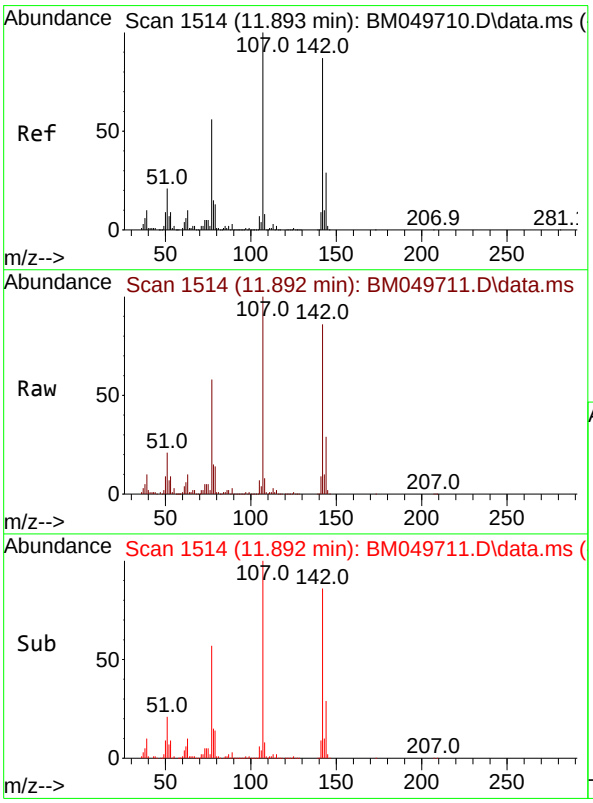
Ion	Ratio	Lower	Upper
113	100		
55	165.0	141.8	181.8
56	124.7	98.0	138.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

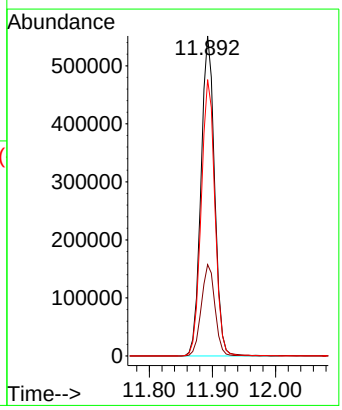


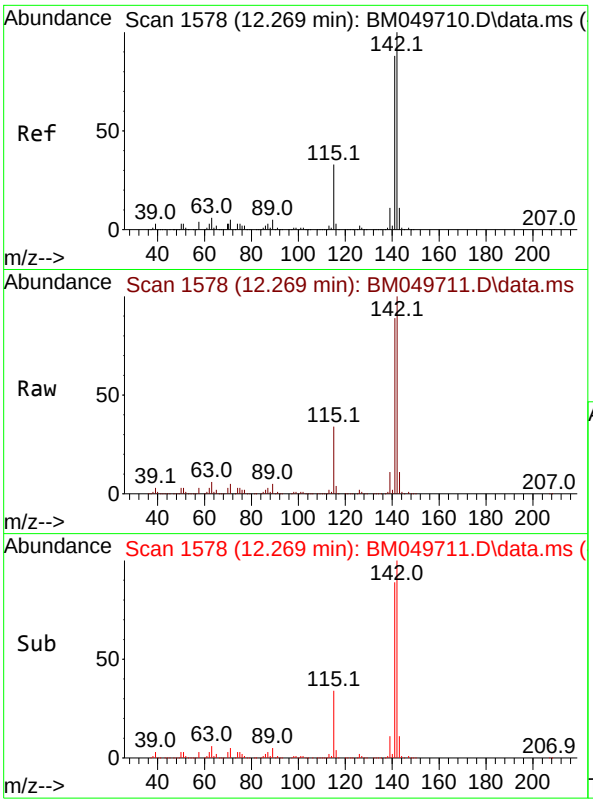


#36
4-Chloro-3-methylphenol
Concen: 51.921 ng
RT: 11.892 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:107 Resp: 825613

Ion	Ratio	Lower	Upper
107	100		
144	28.6	23.0	34.6
142	86.4	69.8	104.8

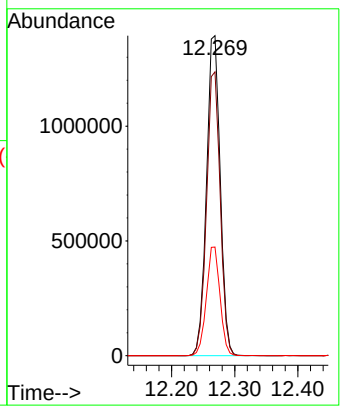




#37
2-Methylnaphthalene
Concen: 51.096 ng
RT: 12.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:142 Resp: 209966

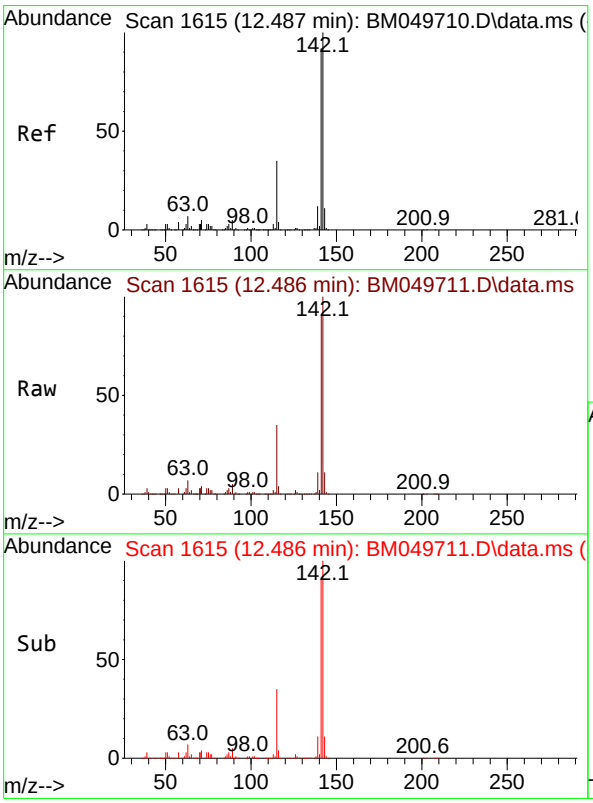
Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.5	105.7
115	34.0	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

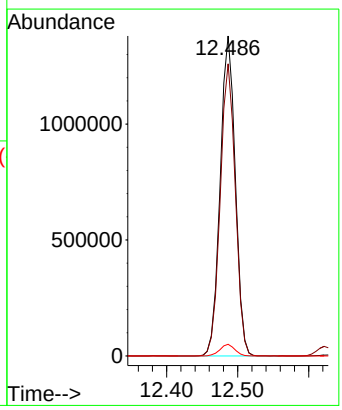
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

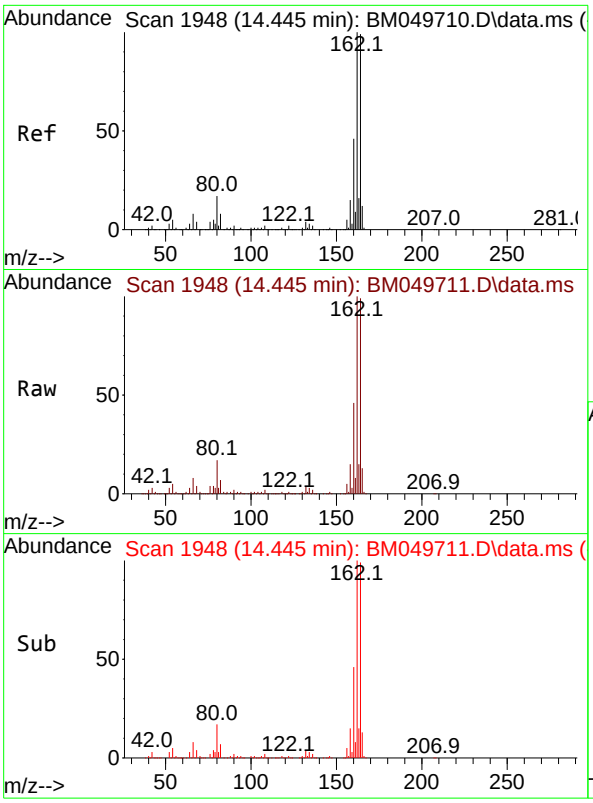


#38
1-Methylnaphthalene
Concen: 51.260 ng
RT: 12.486 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:142 Resp: 2032245

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.4	110.2
116	3.7	2.8	4.2

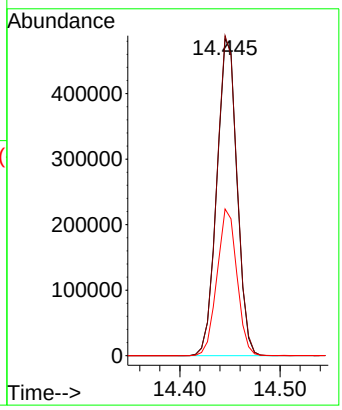




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:164 Resp: 67606

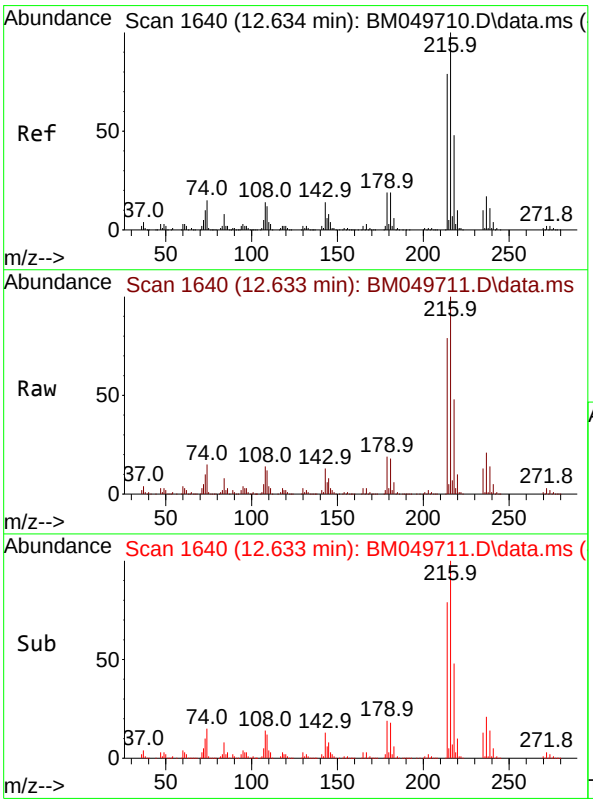
Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.5	120.7
160	46.3	36.9	55.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

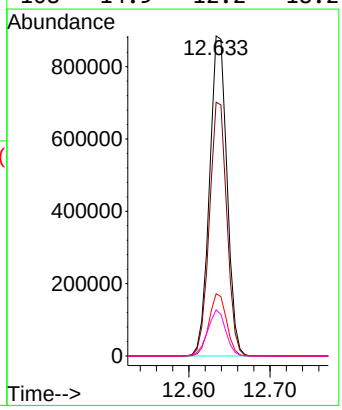
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

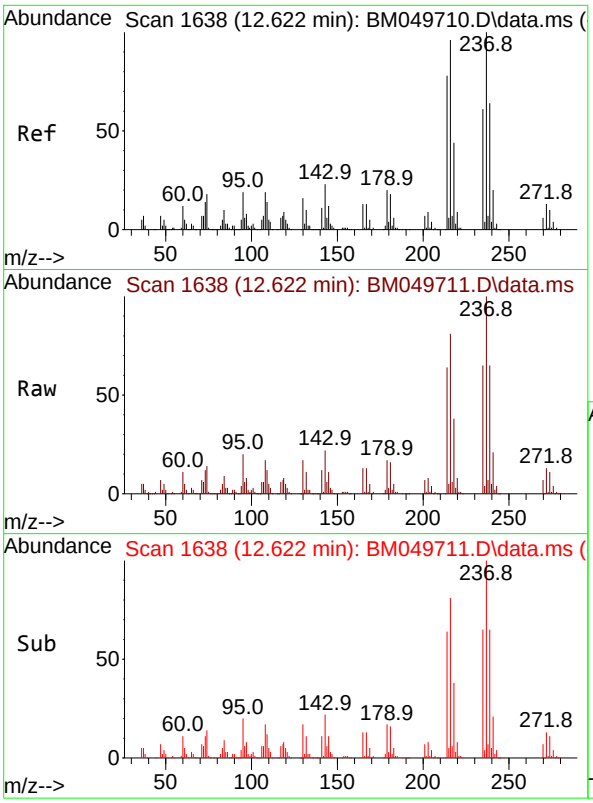


#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.168 ng
RT: 12.633 min Scan# 1640
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:216 Resp: 1320335

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.5	95.3
179	19.4	15.7	23.5
108	14.9	12.2	18.2

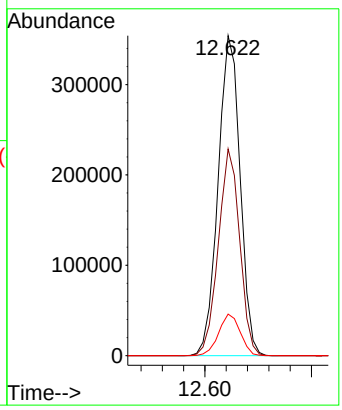




#41
Hexachlorocyclopentadiene
Concen: 55.050 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:237 Resp: 50645

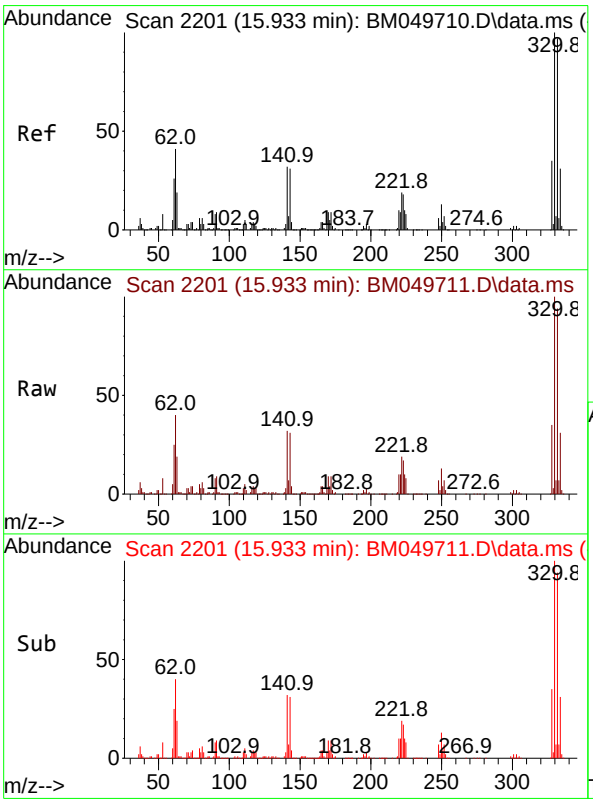
Ion	Ratio	Lower	Upper
237	100		
235	64.6	41.1	81.1
272	13.0	0.0	32.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

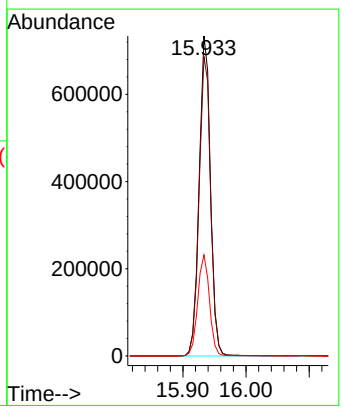
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

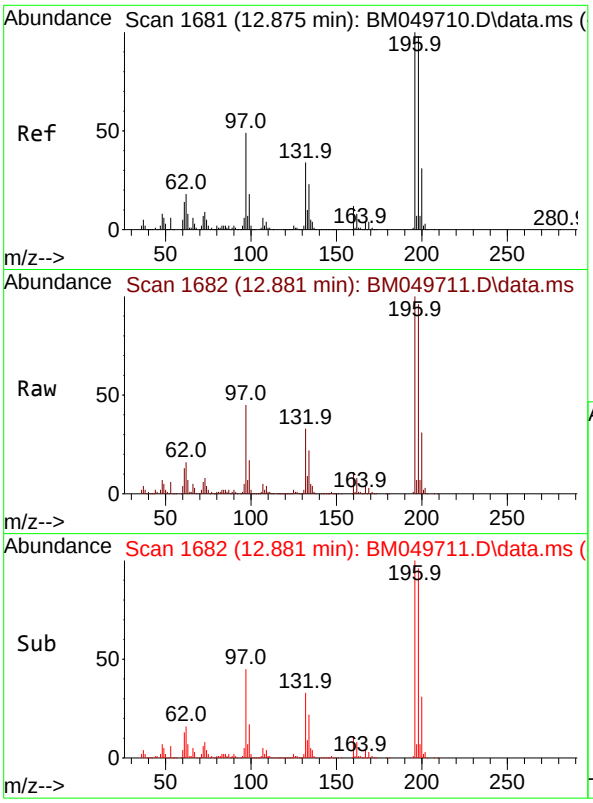


#42
2,4,6-Tribromophenol
Concen: 115.476 ng
RT: 15.933 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:330 Resp: 911616

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.4
141	32.6	27.8	41.6

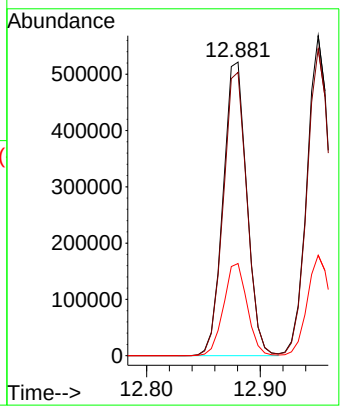




#43
2,4,6-Trichlorophenol
Concen: 54.496 ng
RT: 12.881 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:196 Resp: 75794

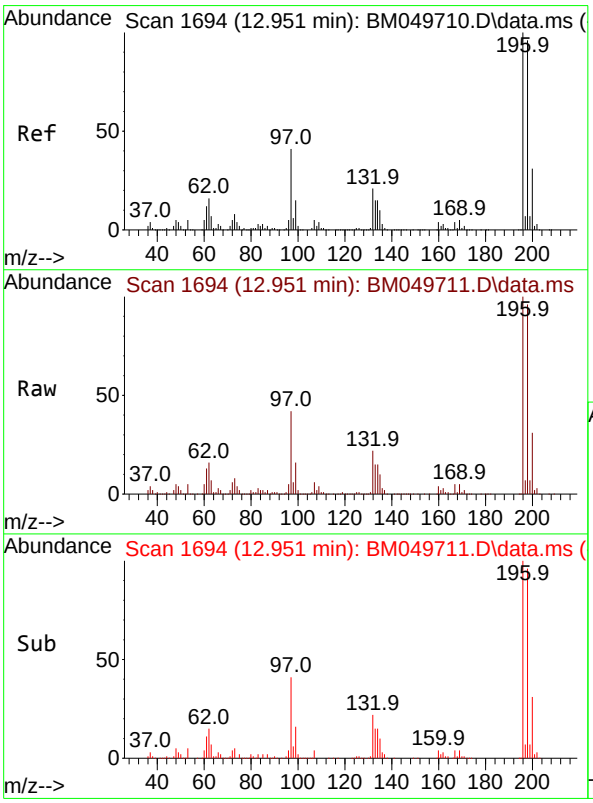
Ion	Ratio	Lower	Upper
196	100		
198	96.5	78.3	117.5
200	31.4	25.1	37.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

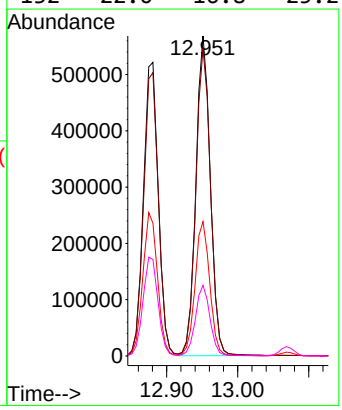
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

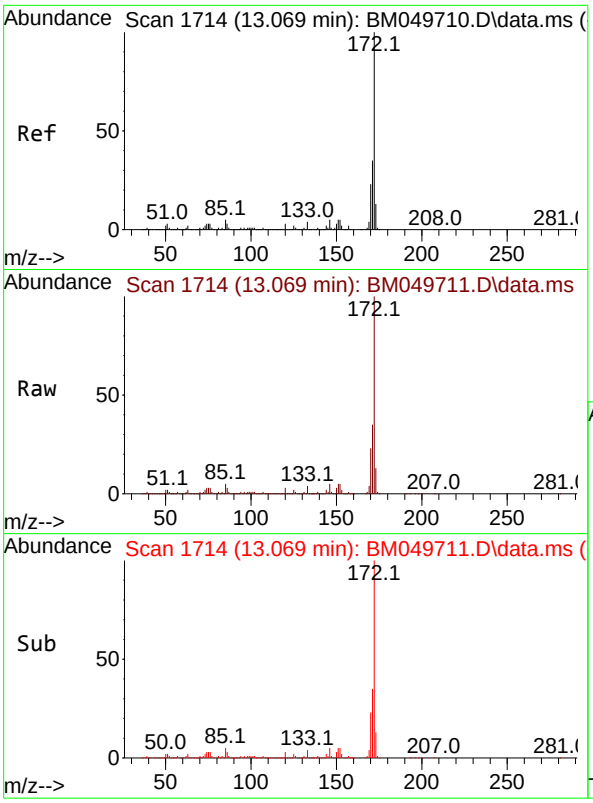


#44
2,4,5-Trichlorophenol
Concen: 53.190 ng
RT: 12.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:196 Resp: 807292

Ion	Ratio	Lower	Upper
196	100		
198	96.0	76.7	115.1
97	42.0	32.9	49.3
132	22.0	16.8	25.2

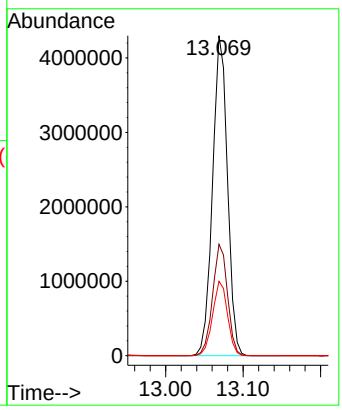




#45
2-Fluorobiphenyl
Concen: 106.213 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:172 Resp: 573365

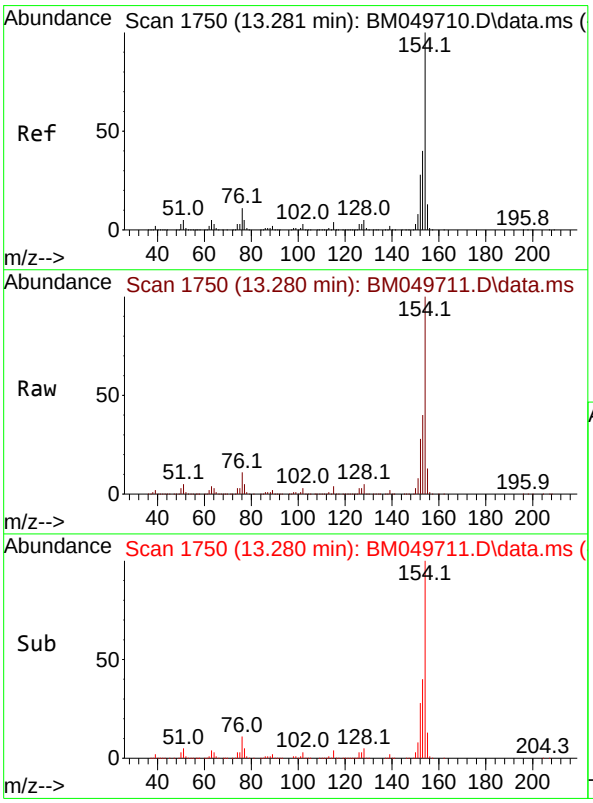
Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.9	41.9
170	23.2	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

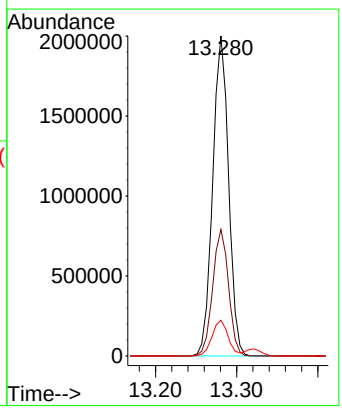
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

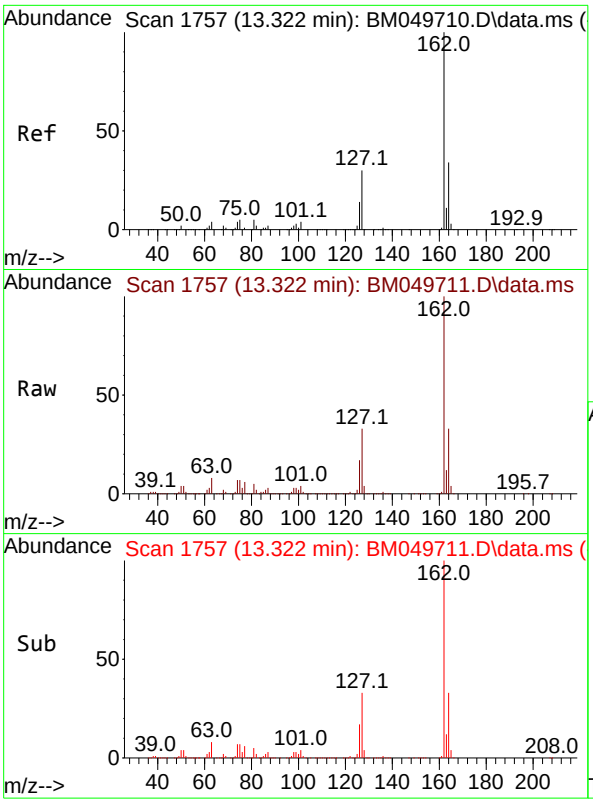


#46
1,1'-Biphenyl
Concen: 52.107 ng
RT: 13.280 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:154 Resp: 2715061

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.7	59.7
76	11.1	0.0	31.2

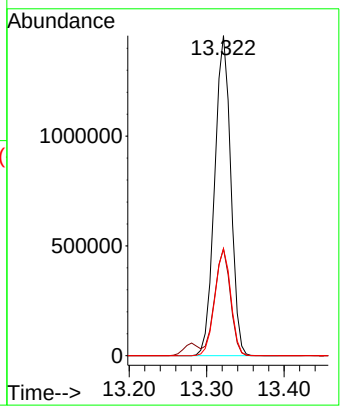




#47
2-Chloronaphthalene
Concen: 51.855 ng
RT: 13.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:162 Resp: 210307

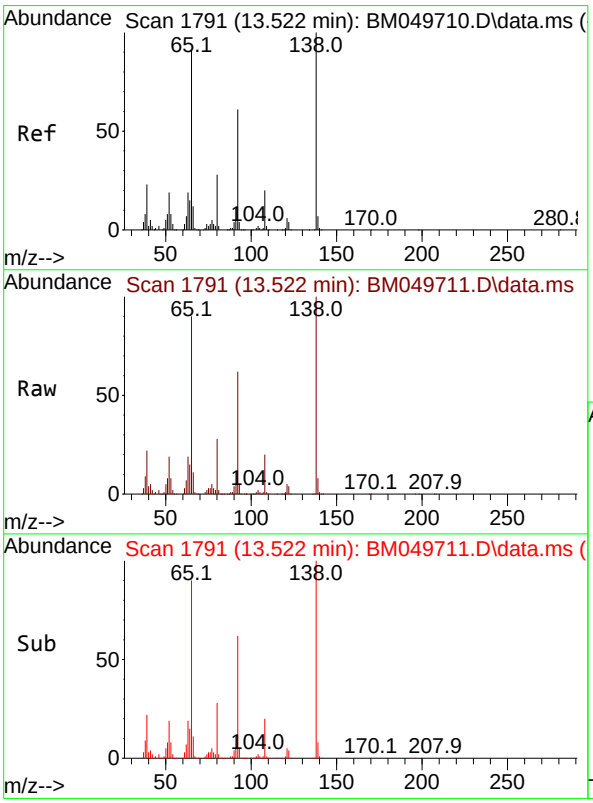
Ion	Ratio	Lower	Upper
162	100		
127	33.4	25.8	38.6
164	33.5	27.1	40.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

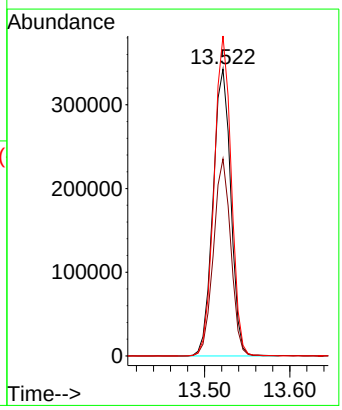
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

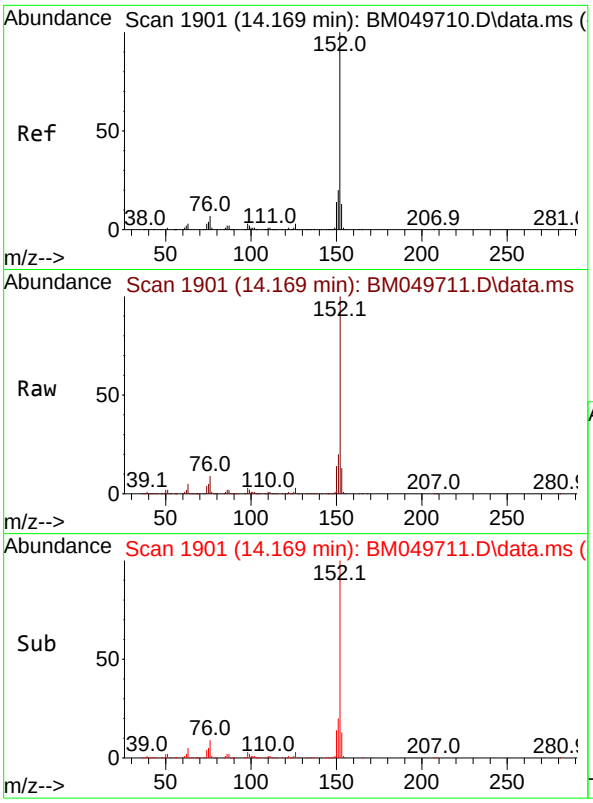


#48
2-Nitroaniline
Concen: 54.532 ng
RT: 13.522 min Scan# 1791
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 65 Resp: 496484

Ion	Ratio	Lower	Upper
65	100		
92	68.7	53.4	80.2
138	111.5	87.6	131.4

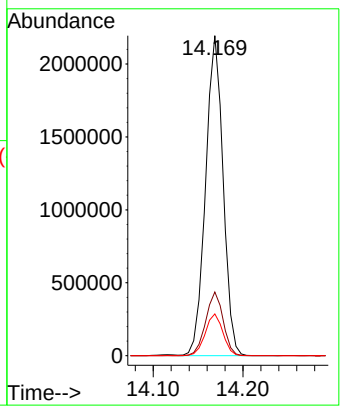




#49
Acenaphthylene
Concen: 52.334 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:152 Resp: 296678

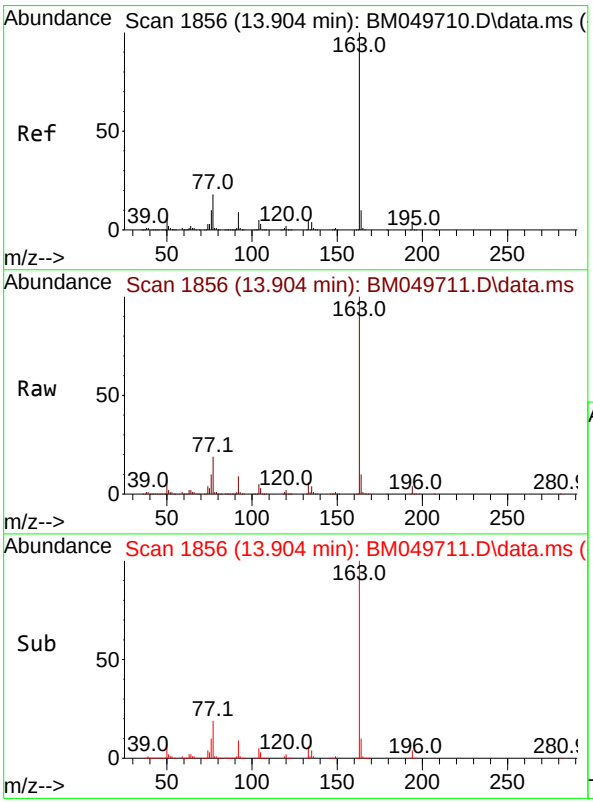
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.1	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

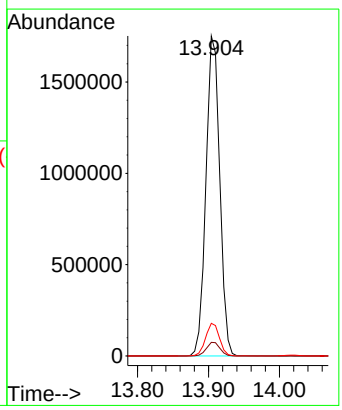
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

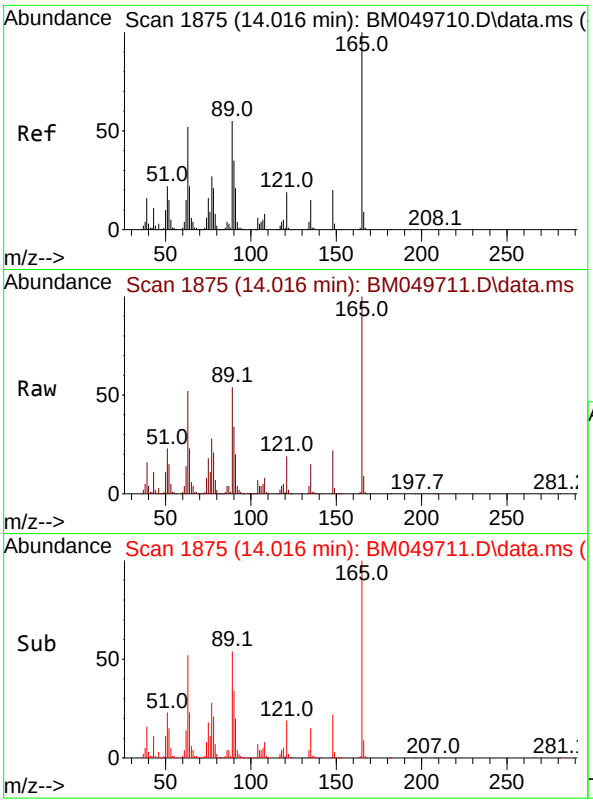


#50
Dimethylphthalate
Concen: 50.900 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:163 Resp: 2369244

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.2	12.2

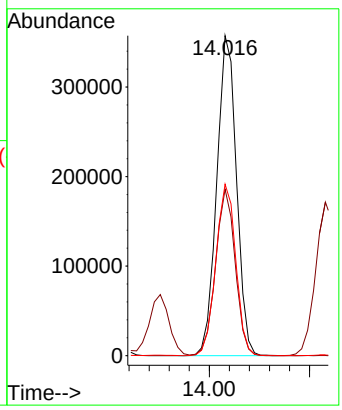




#51
2,6-Dinitrotoluene
Concen: 52.253 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:165 Resp: 48734

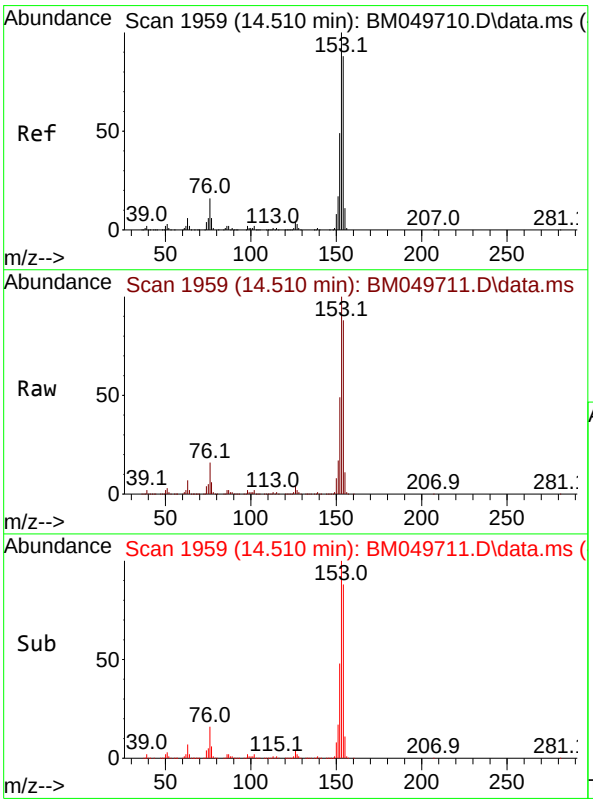
Ion	Ratio	Lower	Upper
165	100		
63	52.0	42.3	63.5
89	53.6	43.9	65.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

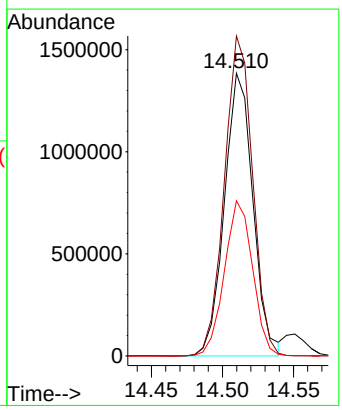
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

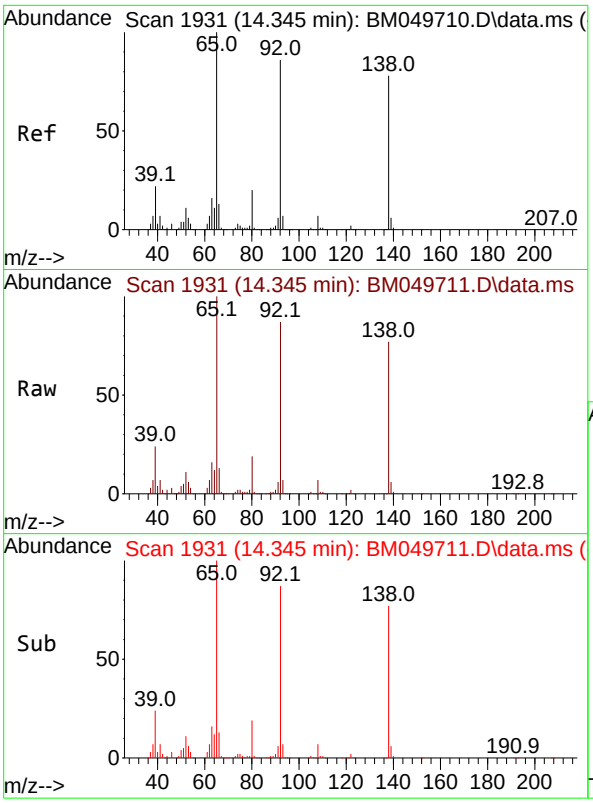


#52
Acenaphthene
Concen: 52.126 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:154 Resp: 1935920

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.4	135.6
152	54.9	44.2	66.2





#53
3-Nitroaniline
Concen: 52.794 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

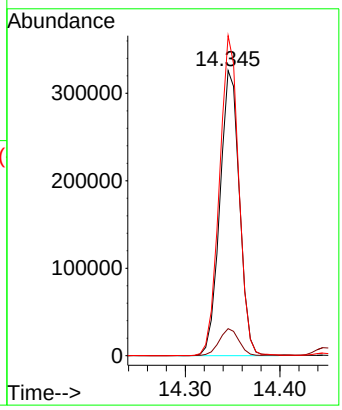
Tgt Ion:138 Resp: 46855

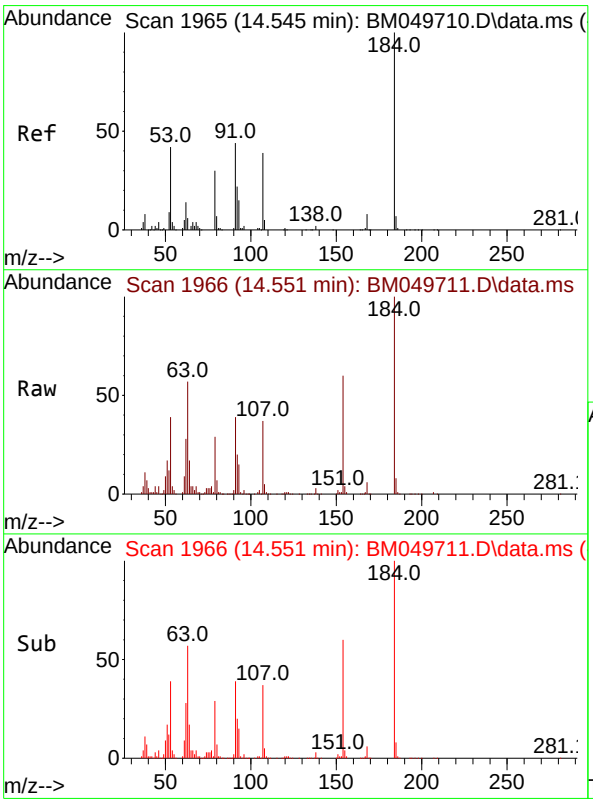
Ion	Ratio	Lower	Upper
138	100		
108	9.5	7.5	11.3
92	112.2	88.0	132.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

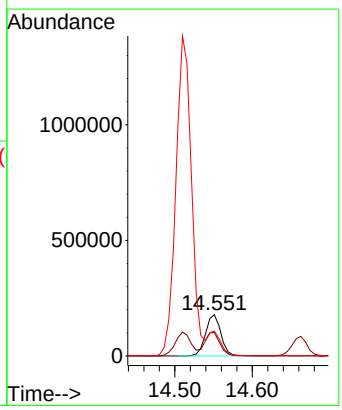


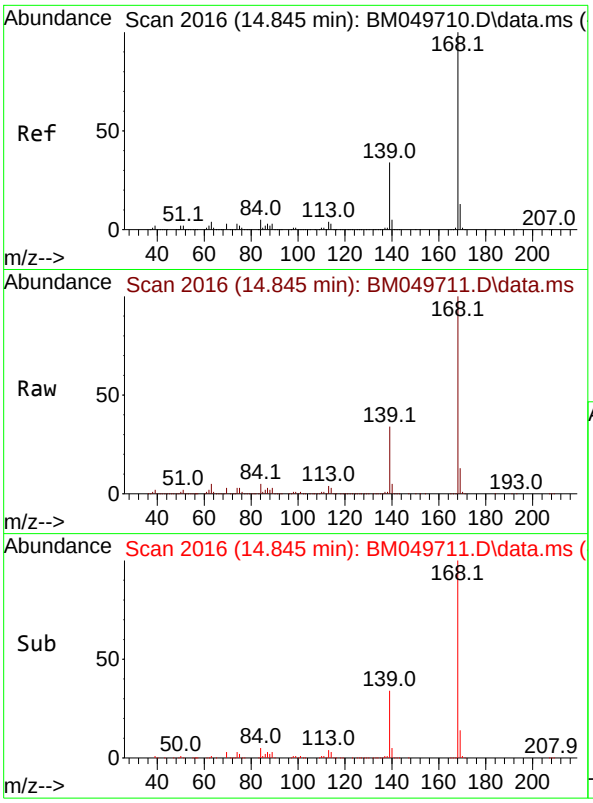


#54
2,4-Dinitrophenol
Concen: 49.851 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:184 Resp: 245877

Ion	Ratio	Lower	Upper
184	100		
63	57.0	47.2	70.8
154	60.1	49.9	74.9

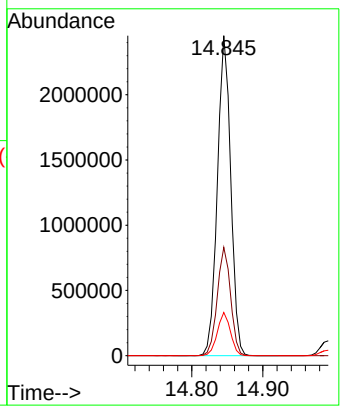




#55
Dibenzofuran
Concen: 51.347 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:168 Resp: 318158

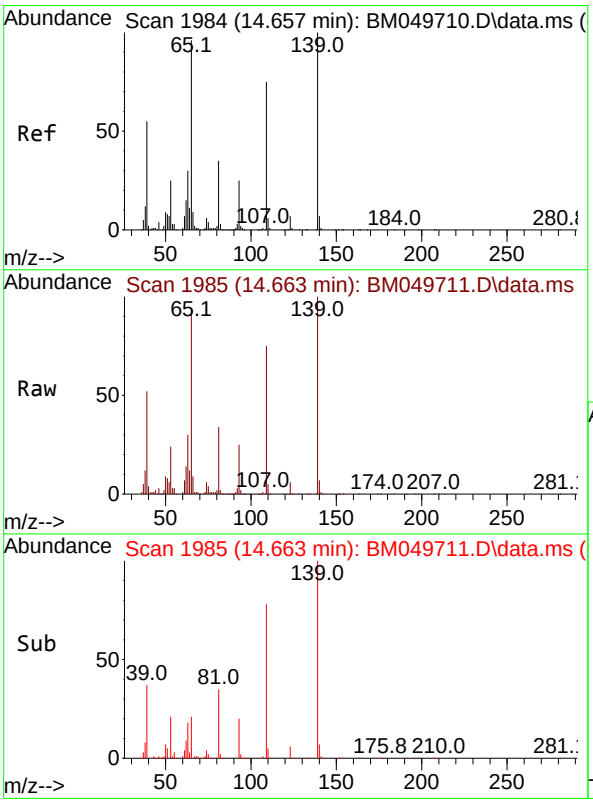
Ion	Ratio	Lower	Upper
168	100		
139	33.9	27.4	41.0
169	13.5	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

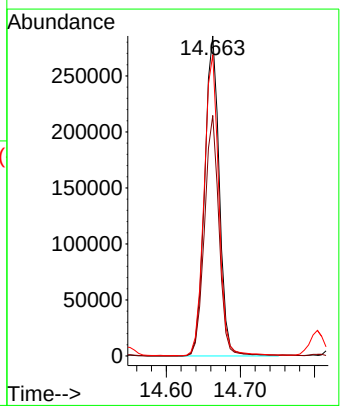
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

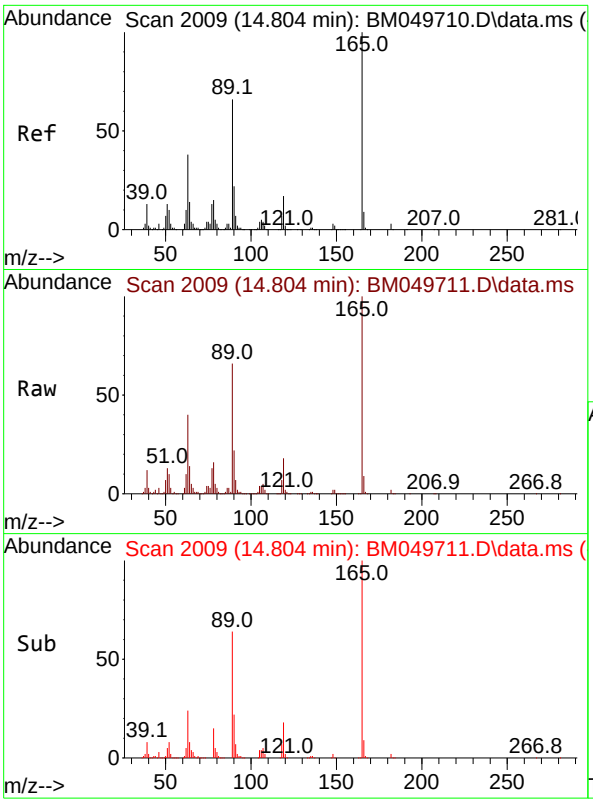


#56
4-Nitrophenol
Concen: 50.845 ng
RT: 14.663 min Scan# 1985
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:139 Resp: 392805

Ion	Ratio	Lower	Upper
139	100		
109	75.2	54.7	94.7
65	94.1	76.2	116.2

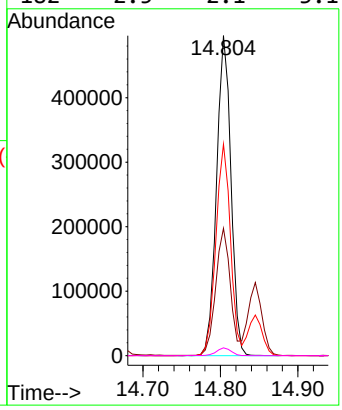




#57
2,4-Dinitrotoluene
Concen: 53.361 ng
RT: 14.804 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:165 Resp: 64040

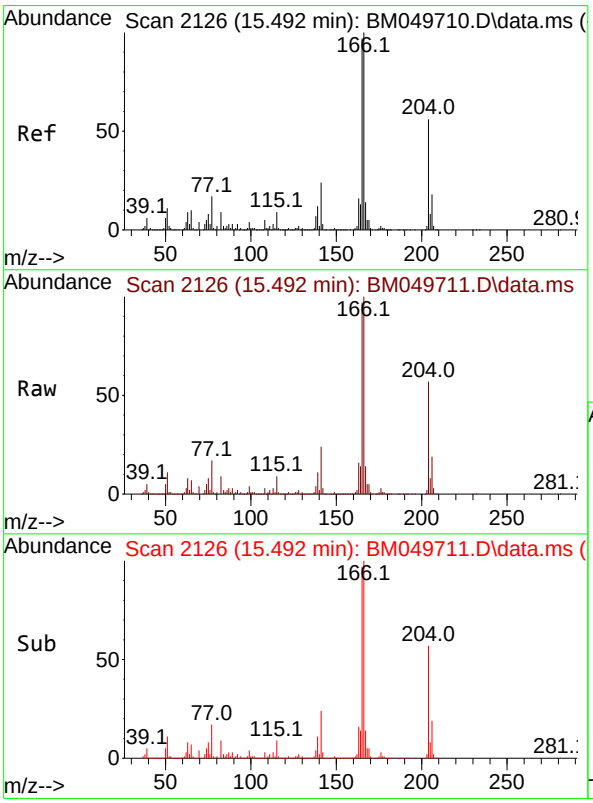
Ion	Ratio	Lower	Upper
165	100		
63	39.8	30.8	46.2
89	66.1	53.1	79.7
182	2.5	2.1	3.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

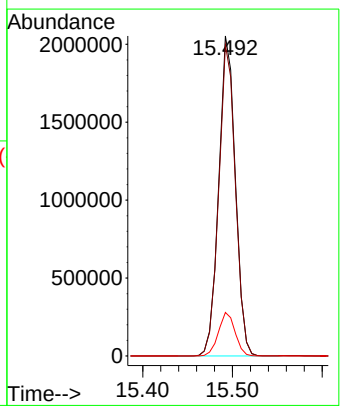
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

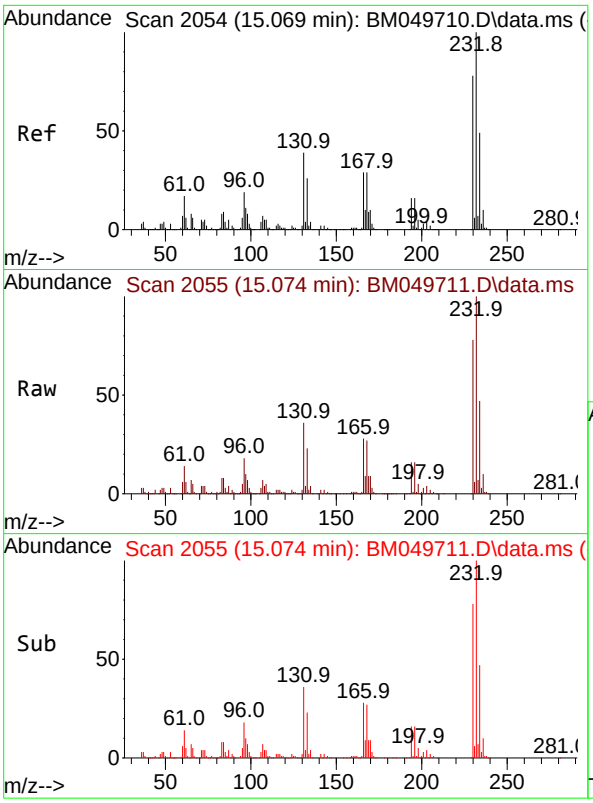


#58
Fluorene
Concen: 52.414 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:166 Resp: 2644175

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.5	116.3
167	13.6	10.9	16.3

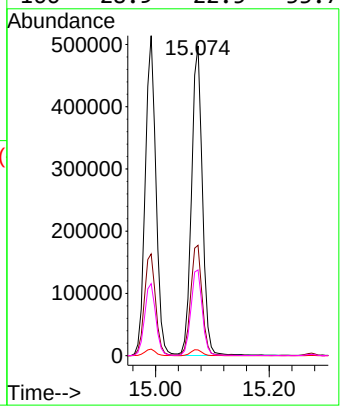




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.395 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:232 Resp: 66566

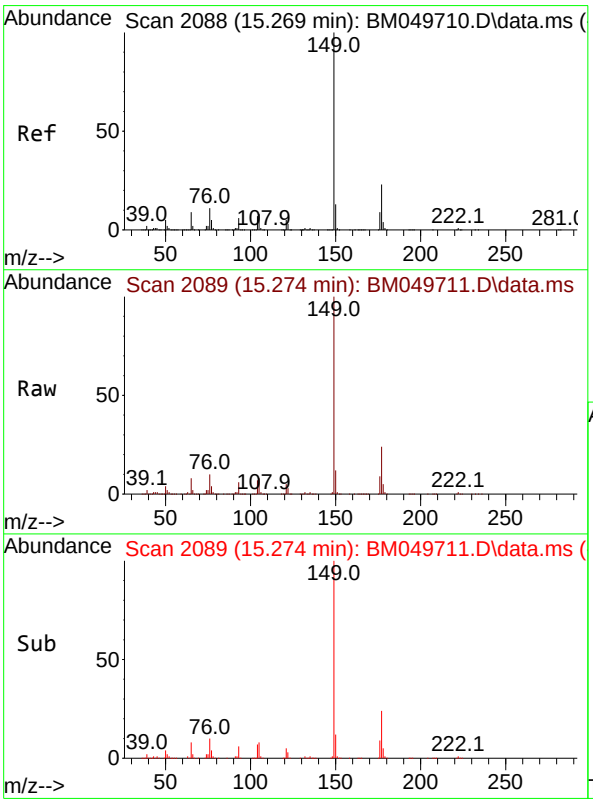
Ion	Ratio	Lower	Upper
232	100		
131	37.3	30.0	45.0
130	2.1	1.6	2.4
166	28.9	22.5	33.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

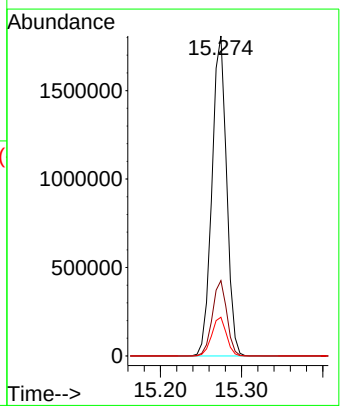
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

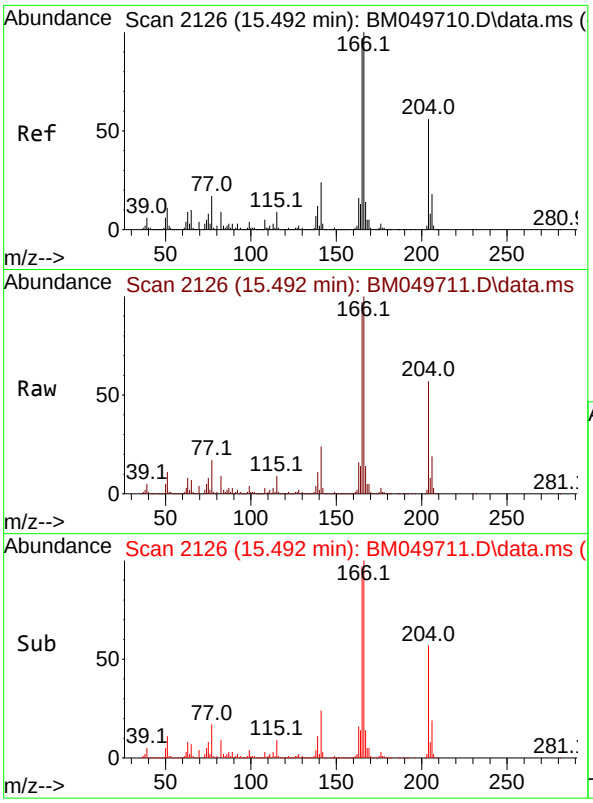


#60
Diethylphthalate
Concen: 51.595 ng
RT: 15.274 min Scan# 2089
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:149 Resp: 2261890

Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.2	27.2
150	12.1	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 53.403 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

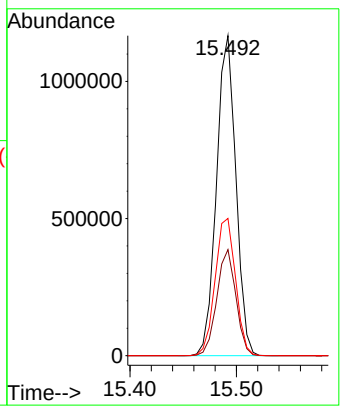
Tgt Ion:204 Resp: 147115

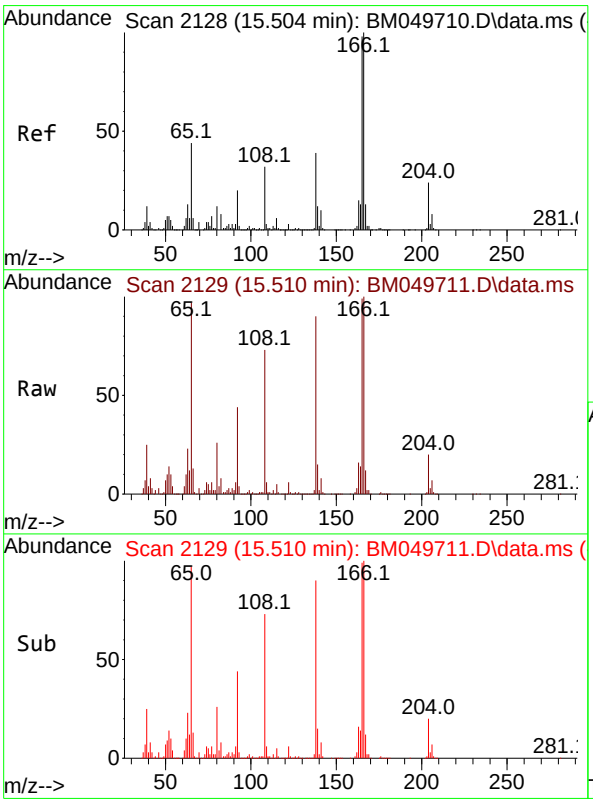
Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.2	37.8
141	42.9	34.5	51.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

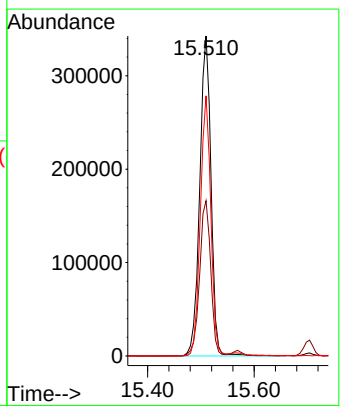


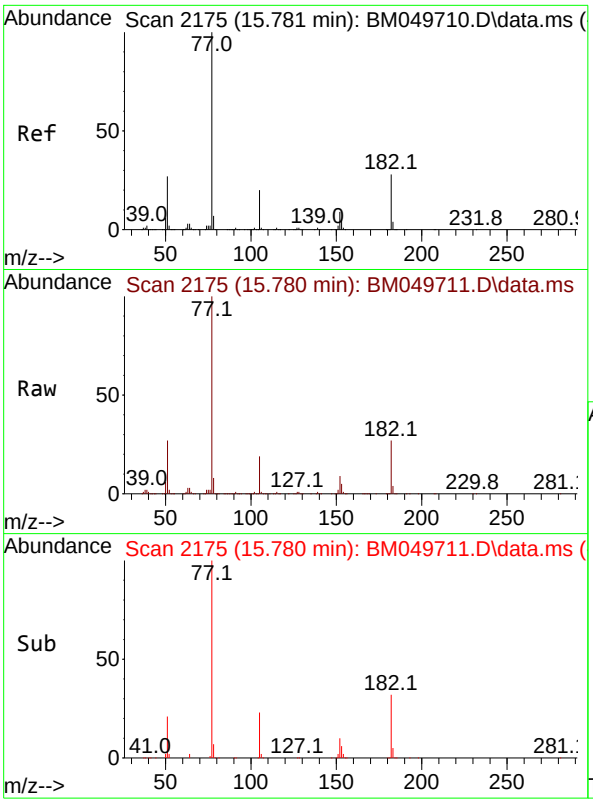


#62
4-Nitroaniline
Concen: 47.589 ng
RT: 15.510 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:138 Resp: 502155

Ion	Ratio	Lower	Upper
138	100		
92	48.5	29.8	69.8
108	81.3	61.3	101.3

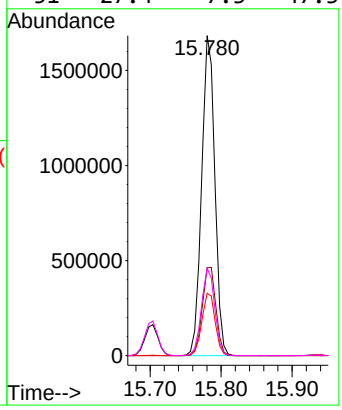




#63
Azobenzene
Concen: 51.918 ng
RT: 15.780 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion: 77 Resp: 217398

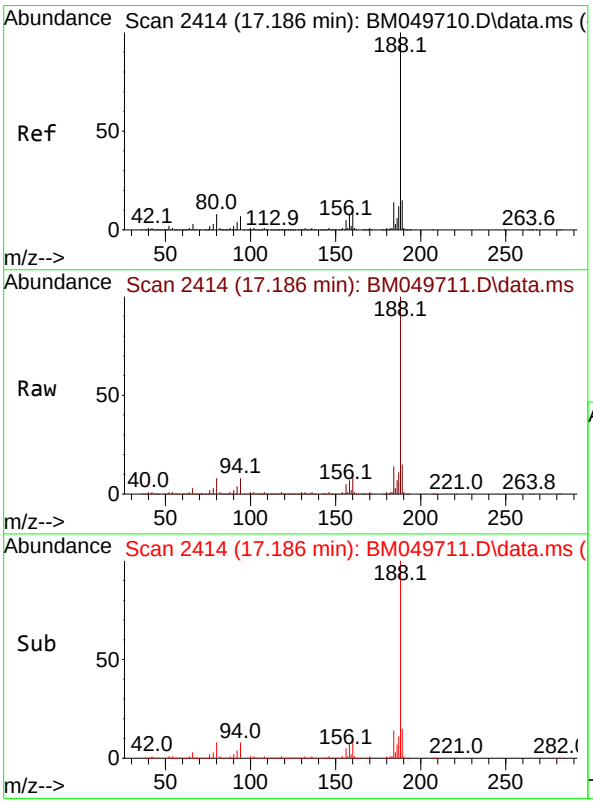
Ion	Ratio	Lower	Upper
77	100		
182	27.5	8.0	48.0
105	19.5	0.0	40.0
51	27.4	7.3	47.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

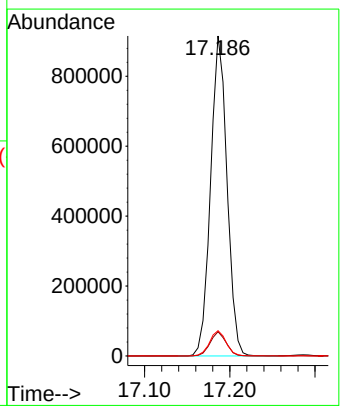
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

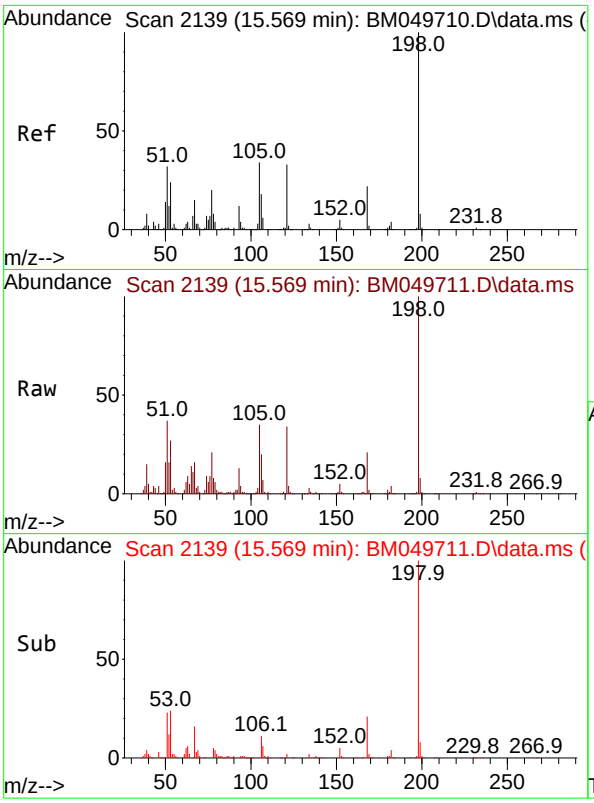


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:188 Resp: 1230919

Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.8	8.6
80	7.9	6.3	9.5





#65
4,6-Dinitro-2-methylphenol
Concen: 49.773 ng
RT: 15.569 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

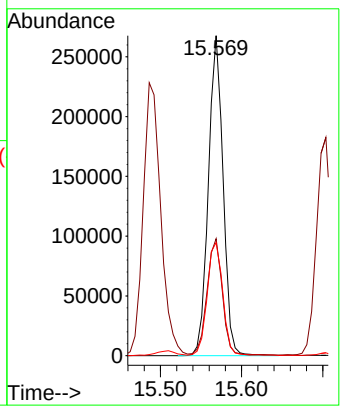
Tgt Ion:198 Resp: 33616

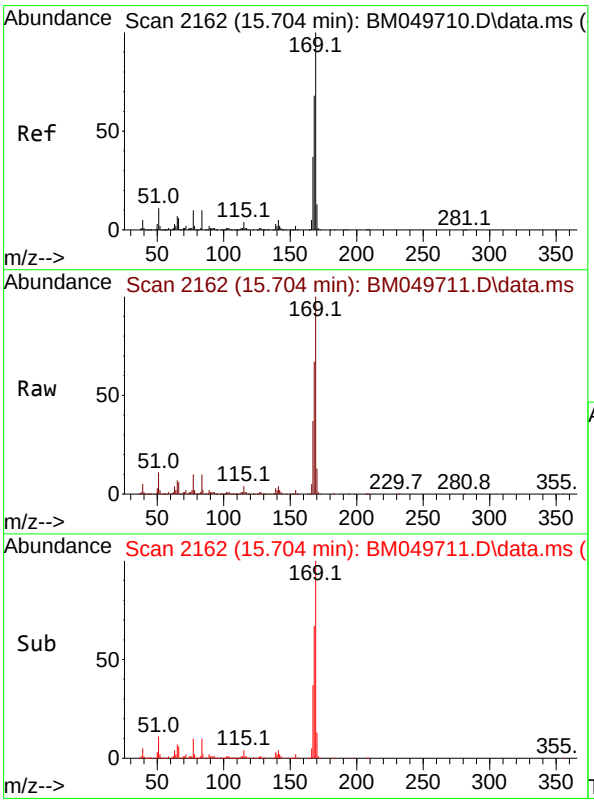
Ion	Ratio	Lower	Upper
198	100		
51	36.5	13.8	53.8
105	35.3	14.0	54.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

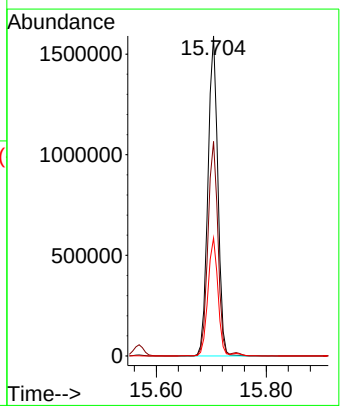


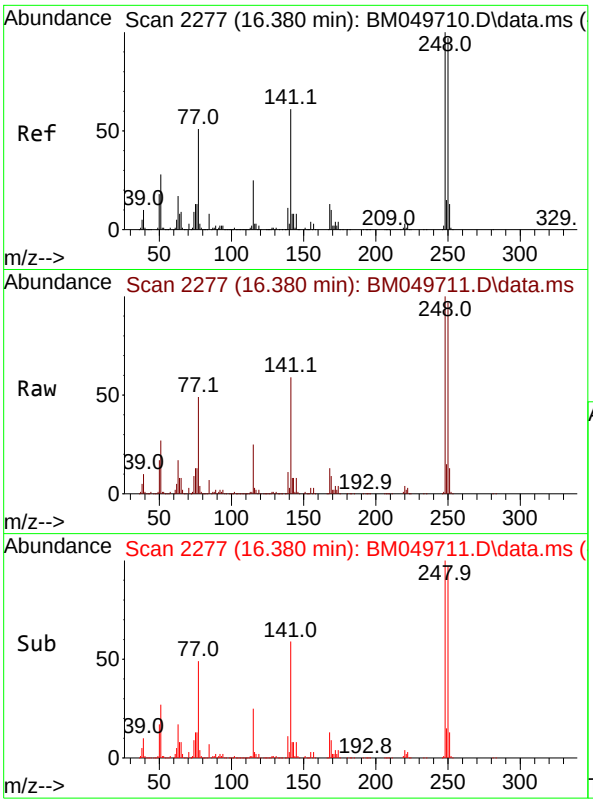


#66
n-Nitrosodiphenylamine
Concen: 53.109 ng
RT: 15.704 min Scan# 2162
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:169 Resp: 1980682

Ion	Ratio	Lower	Upper
169	100		
168	67.0	54.8	82.2
167	36.9	29.9	44.9





#67
4-Bromophenyl-phenylether
Concen: 53.896 ng
RT: 16.380 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

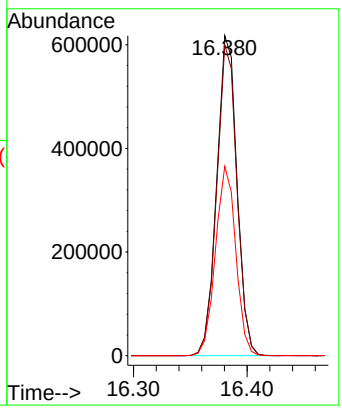
Tgt Ion:248 Resp: 76595

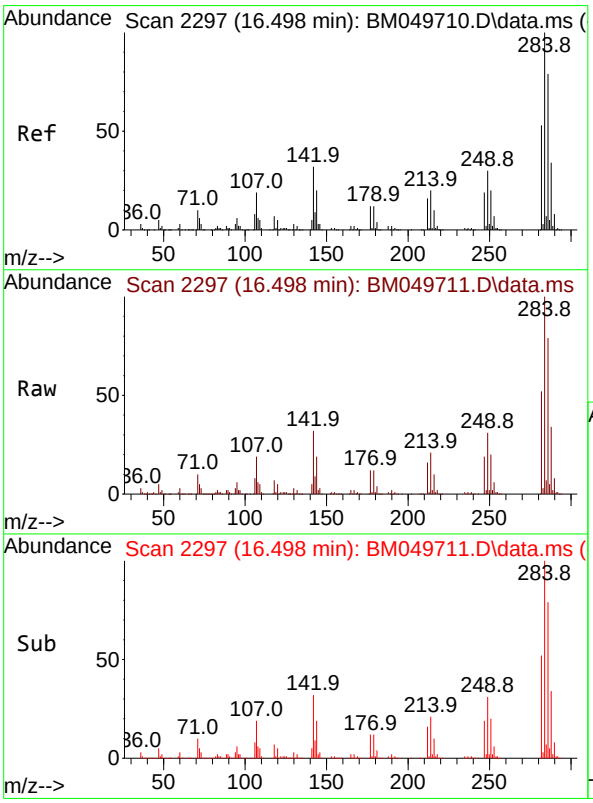
Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.9	116.9
141	59.1	48.6	73.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

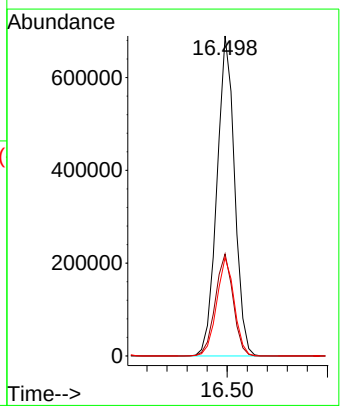


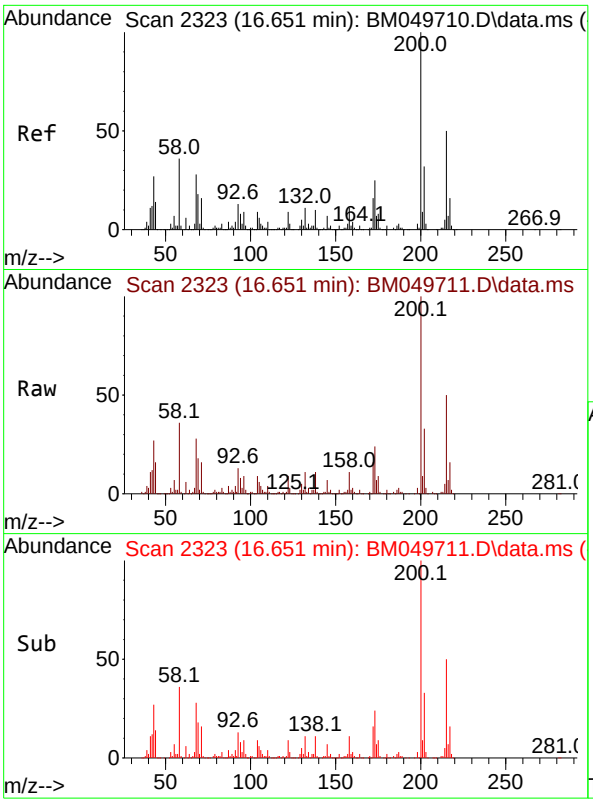


#68
Hexachlorobenzene
Concen: 52.726 ng
RT: 16.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:284 Resp: 842630

Ion	Ratio	Lower	Upper
284	100		
142	31.9	25.5	38.3
249	30.8	24.2	36.2





#69
Atrazine
Concen: 36.748 ng
RT: 16.651 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

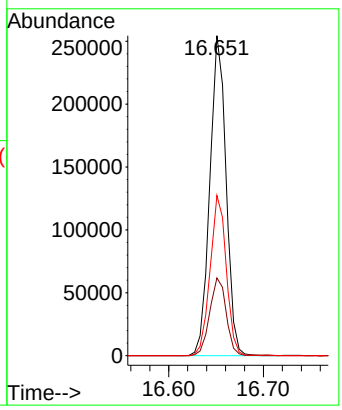
Tgt Ion:200 Resp: 30203

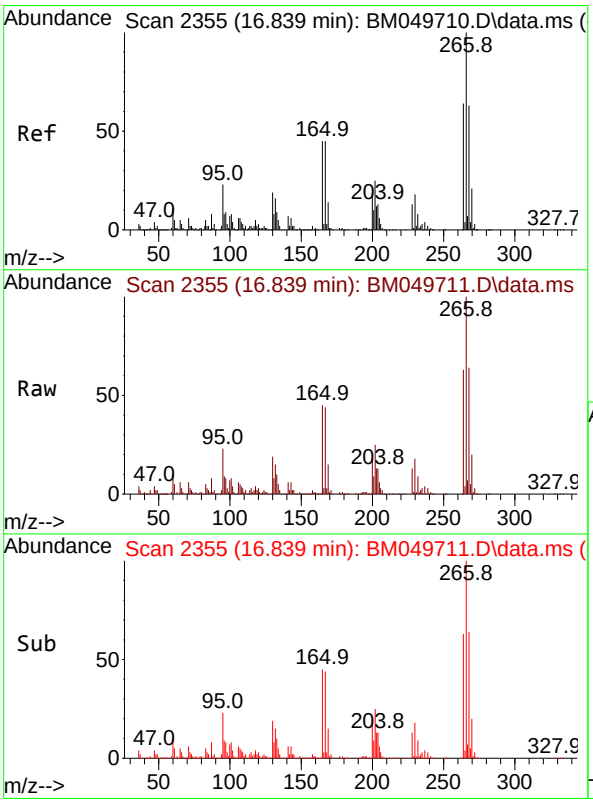
Ion	Ratio	Lower	Upper
200	100		
173	24.3	5.4	45.4
215	50.0	29.8	69.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

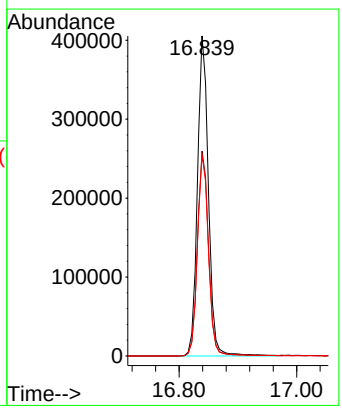


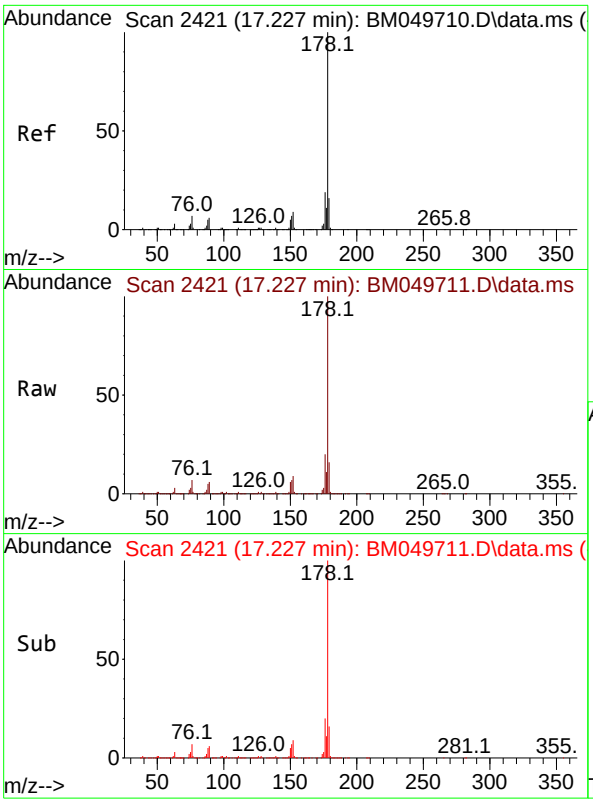


#70
Pentachlorophenol
Concen: 52.267 ng
RT: 16.839 min Scan# 2355
Delta R.T. 0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:266 Resp: 524923

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.2	75.2
264	62.8	51.3	76.9

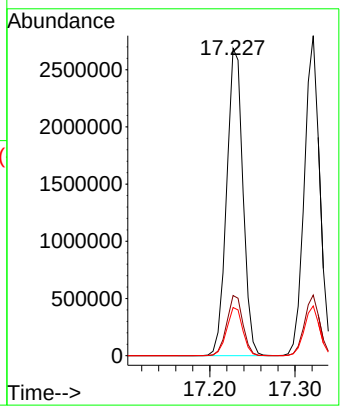




#71
Phenanthrene
Concen: 52.153 ng
RT: 17.227 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:178 Resp: 356466

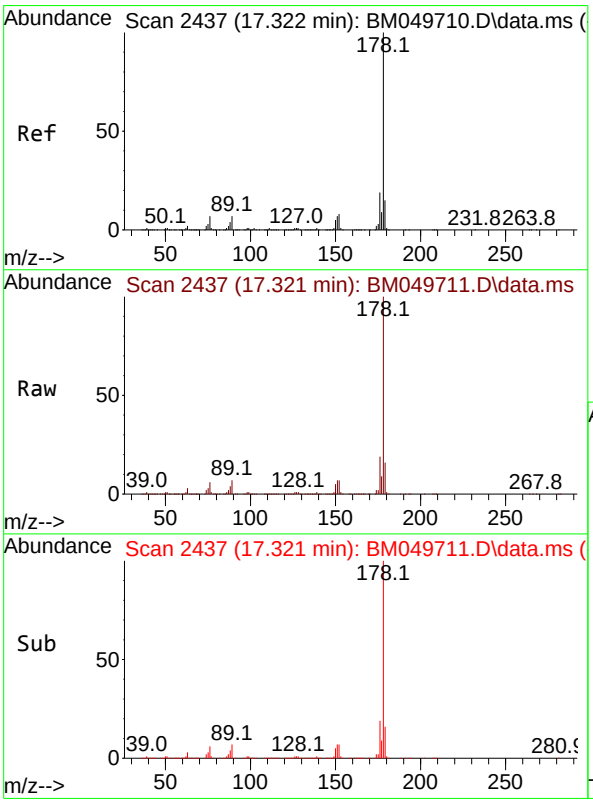
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.7	12.5	18.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

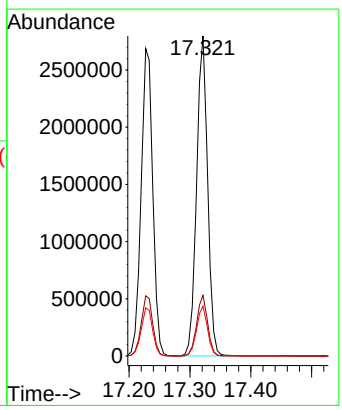
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

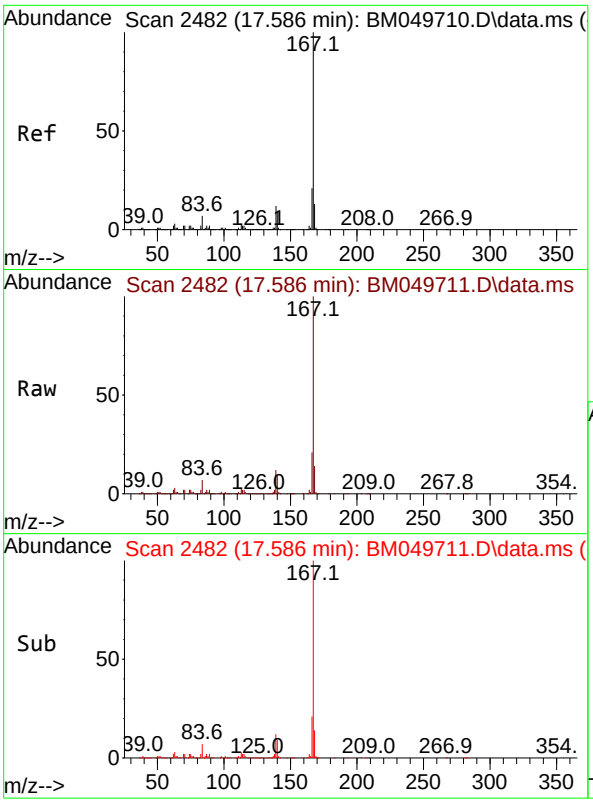


#72
Anthracene
Concen: 53.168 ng
RT: 17.321 min Scan# 2437
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:178 Resp: 3519355

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.6	12.4	18.6

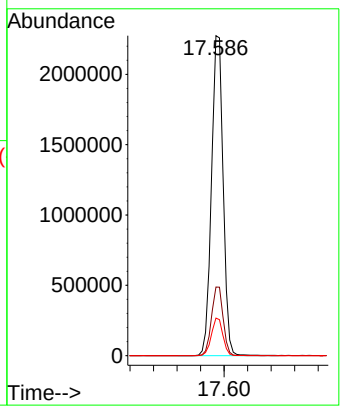




#73
Carbazole
Concen: 52.143 ng
RT: 17.586 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:167 Resp: 312586

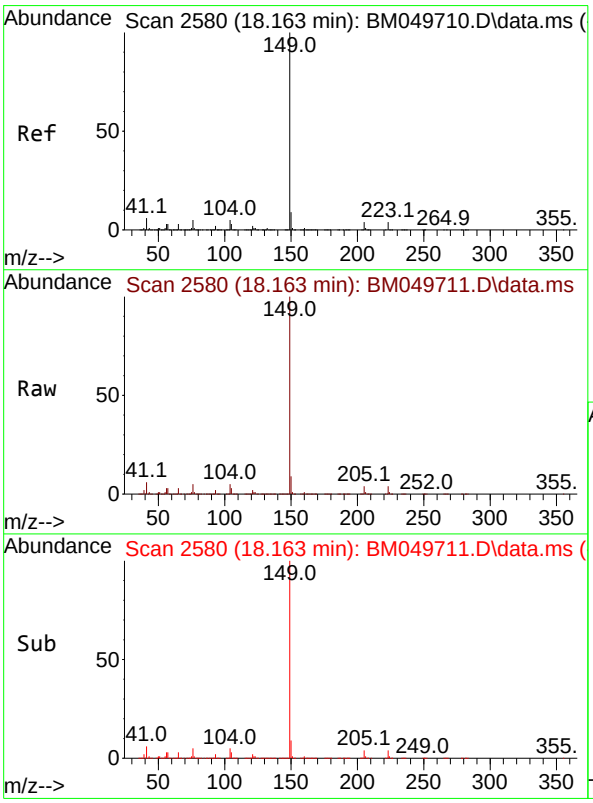
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	11.8	9.4	14.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

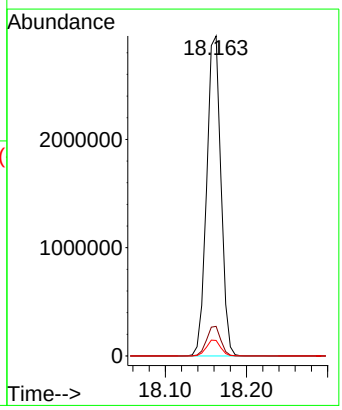
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

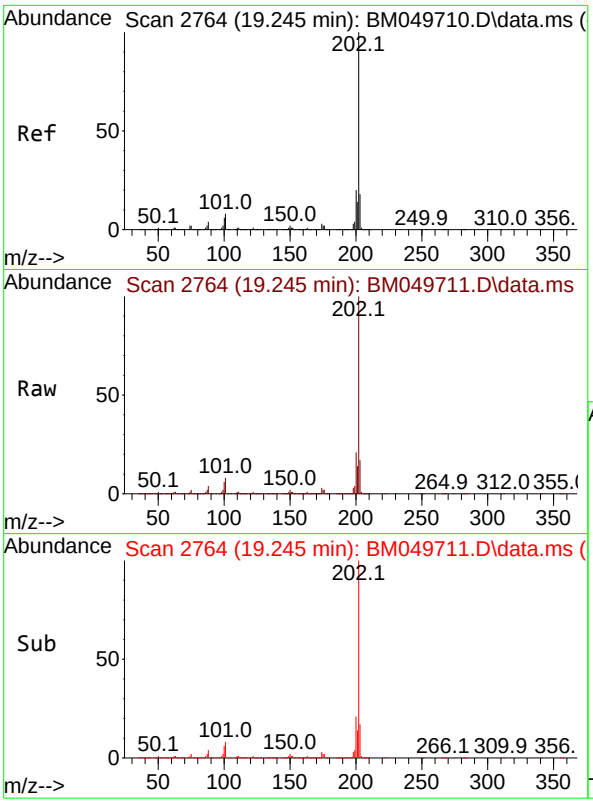


#74
Di-n-butylphthalate
Concen: 54.535 ng
RT: 18.163 min Scan# 2580
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:149 Resp: 3583163

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.2	10.8
104	4.8	3.9	5.9

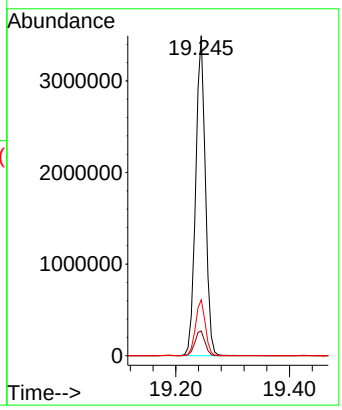




#75
Fluoranthene
Concen: 52.921 ng
RT: 19.245 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:202 Resp: 416442

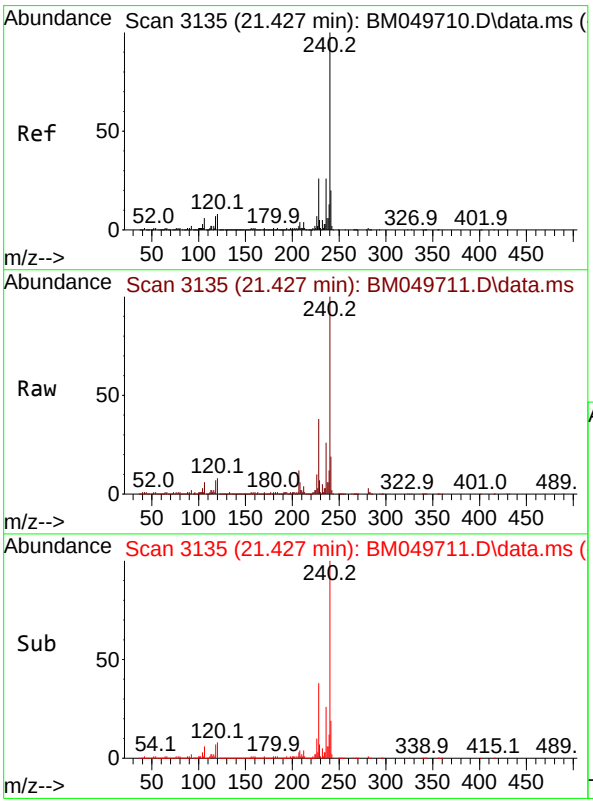
Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	27.8
203	17.4	0.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

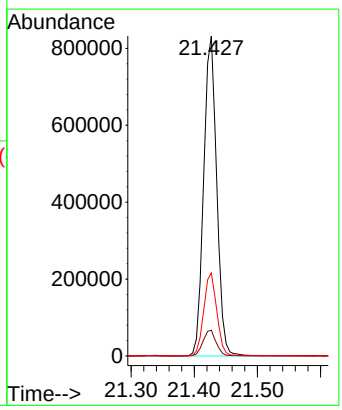
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

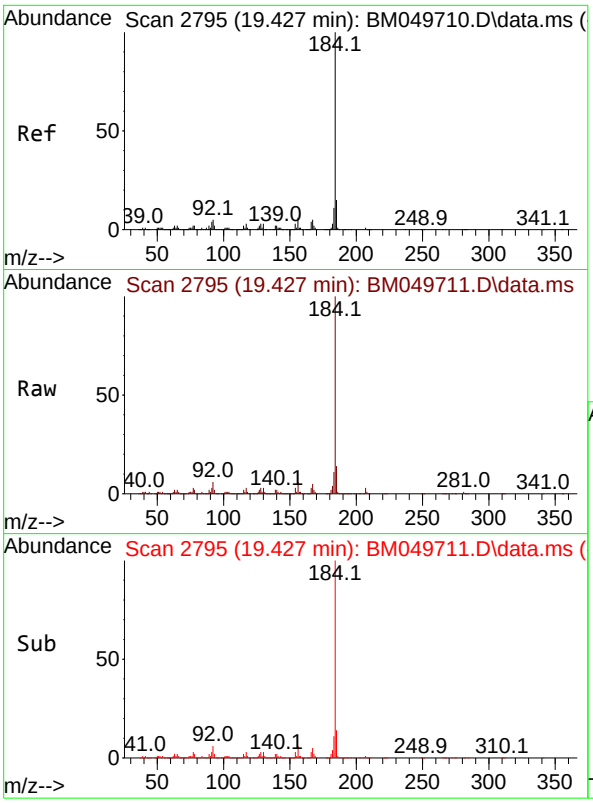


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:240 Resp: 1192033

Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.5	9.7
236	25.9	20.7	31.1

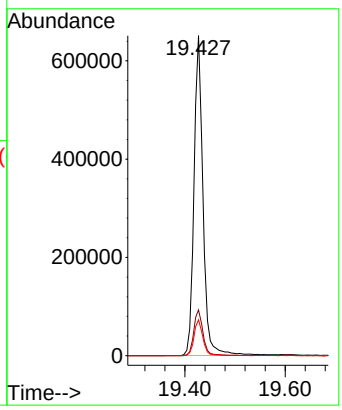




#77
Benzidine
Concen: 56.913 ng
RT: 19.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:184 Resp: 81505

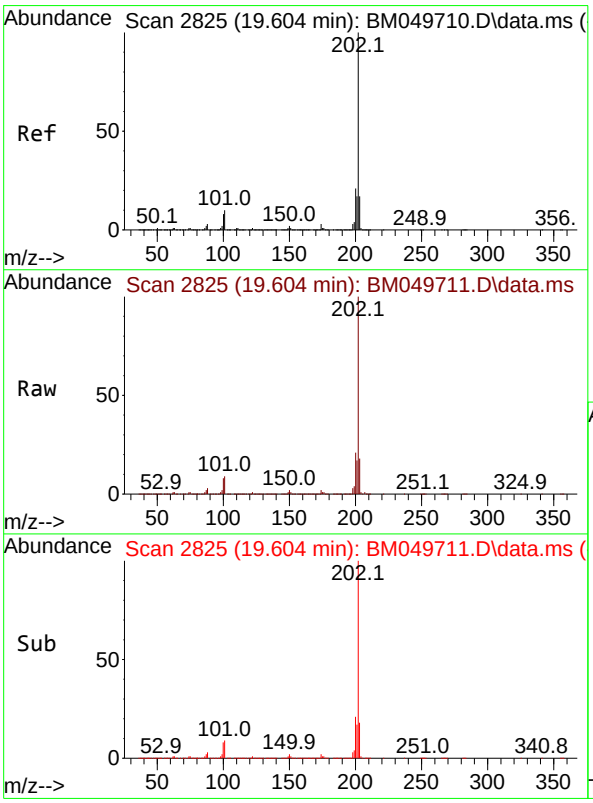
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.7	17.5
183	11.2	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

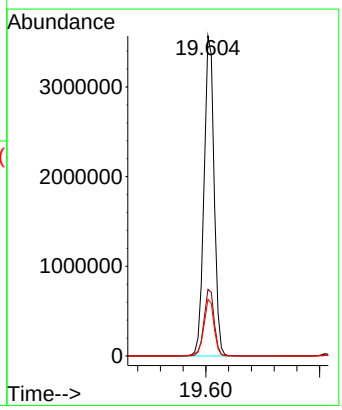
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

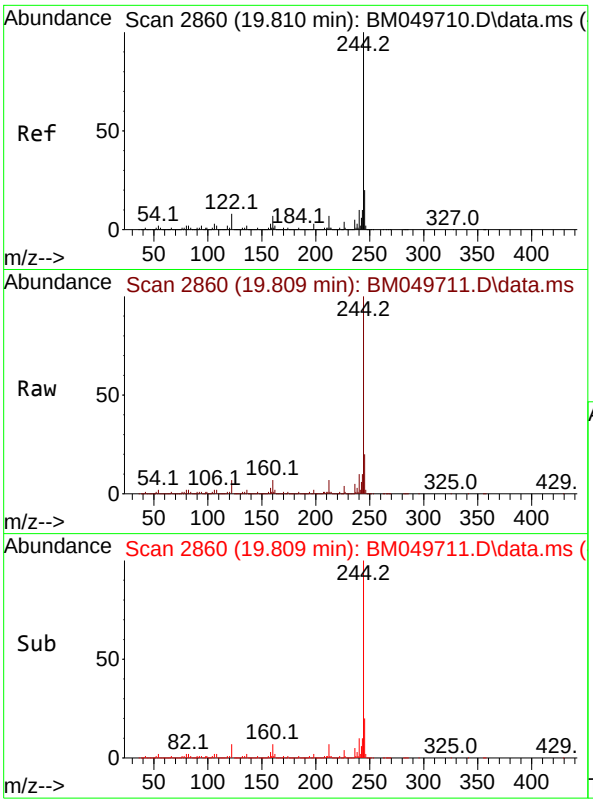


#78
Pyrene
Concen: 52.541 ng
RT: 19.604 min Scan# 2825
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:202 Resp: 4375693

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	17.7	14.0	21.0

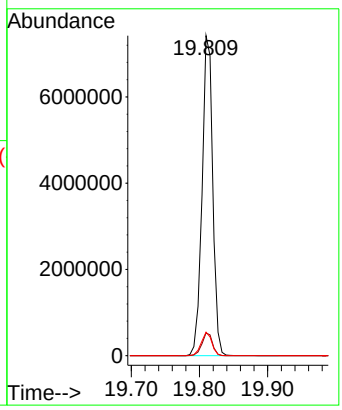




#79
Terphenyl-d14
Concen: 113.924 ng
RT: 19.809 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:244 Resp: 805880

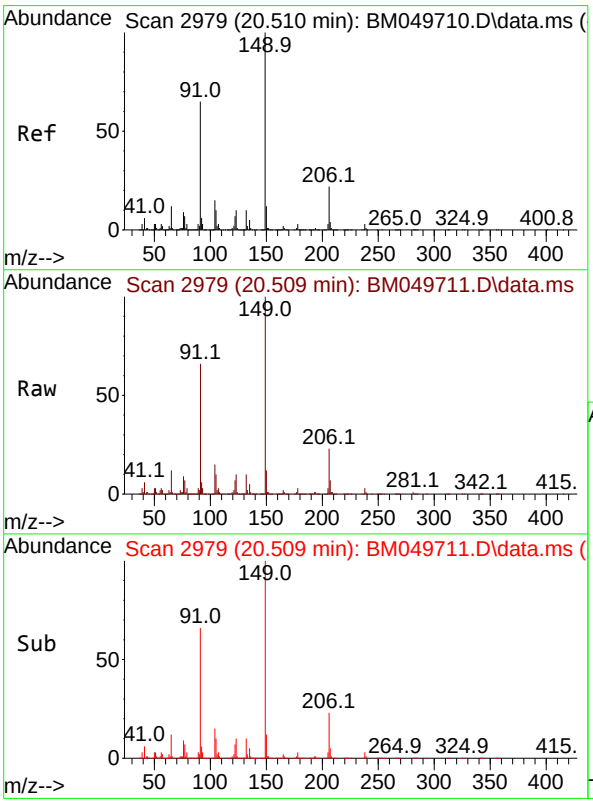
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	7.4	6.0	9.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

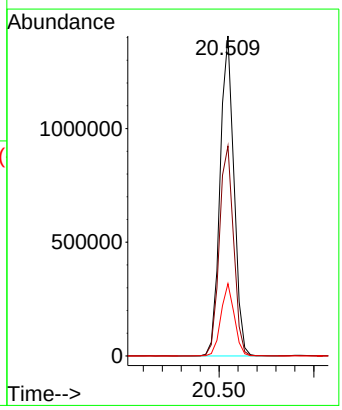
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

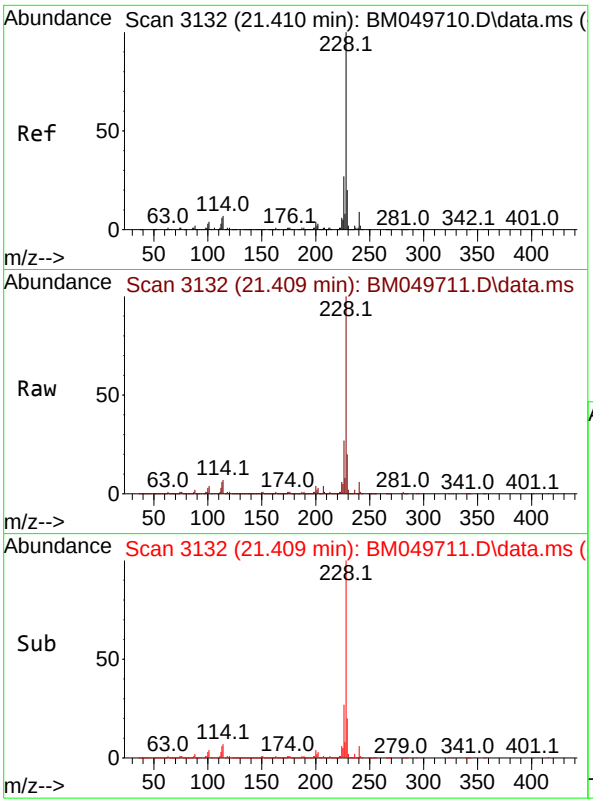


#80
Butylbenzylphthalate
Concen: 55.594 ng
RT: 20.509 min Scan# 2979
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:149 Resp: 1436857

Ion	Ratio	Lower	Upper
149	100		
91	65.6	52.2	78.4
206	22.6	17.6	26.4

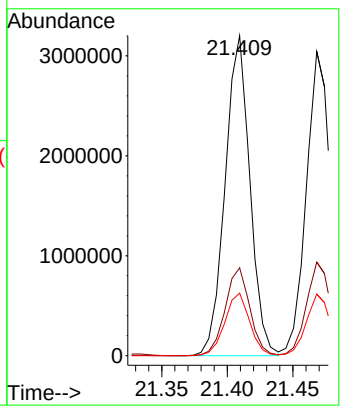




#81
Benzo(a)anthracene
Concen: 52.933 ng
RT: 21.409 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:228 Resp: 421450

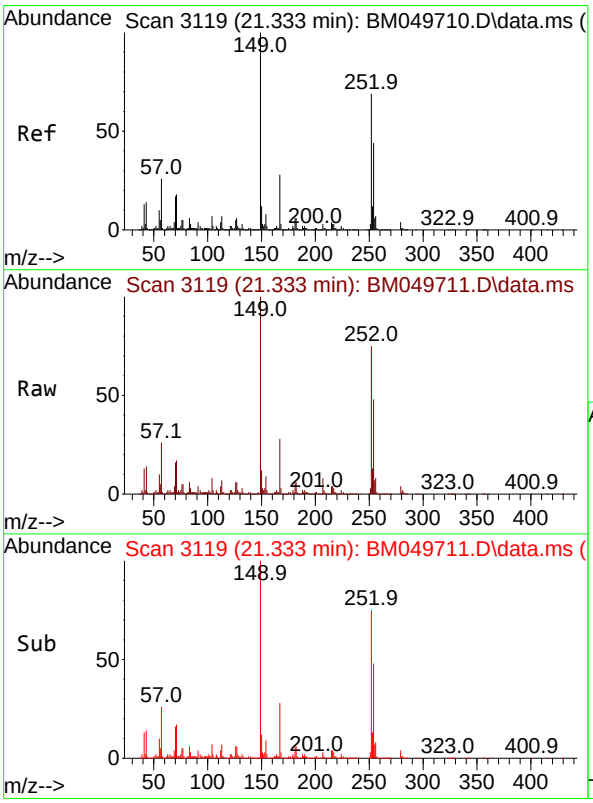
Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.0	33.0
229	19.6	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

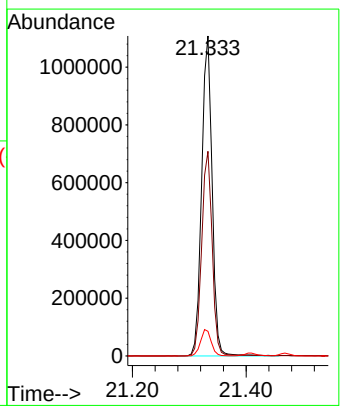
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

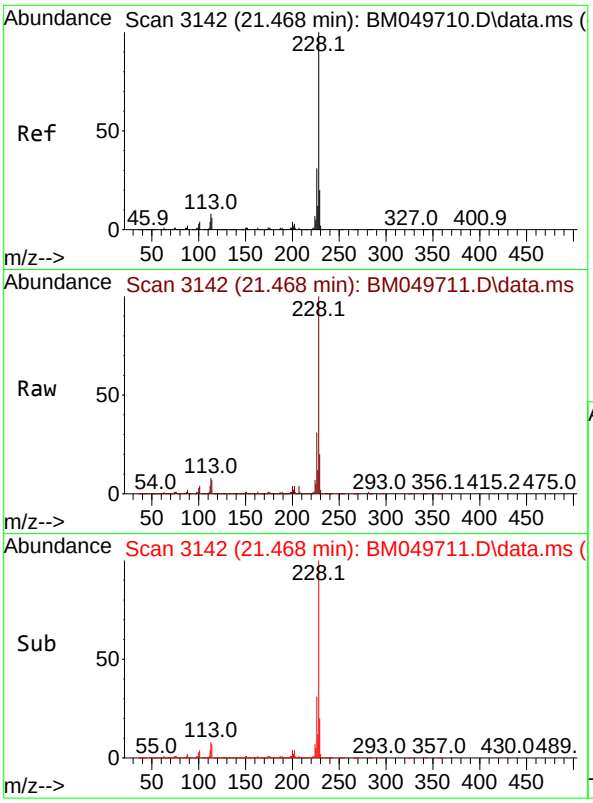


#82
3,3'-Dichlorobenzidine
Concen: 54.540 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:252 Resp: 1413811

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.0	76.4
126	7.7	6.3	9.5

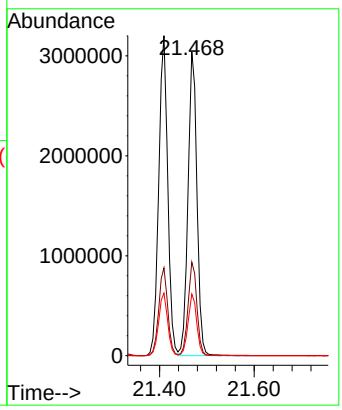




#83
Chrysene
Concen: 52.613 ng
RT: 21.468 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:228 Resp: 397099

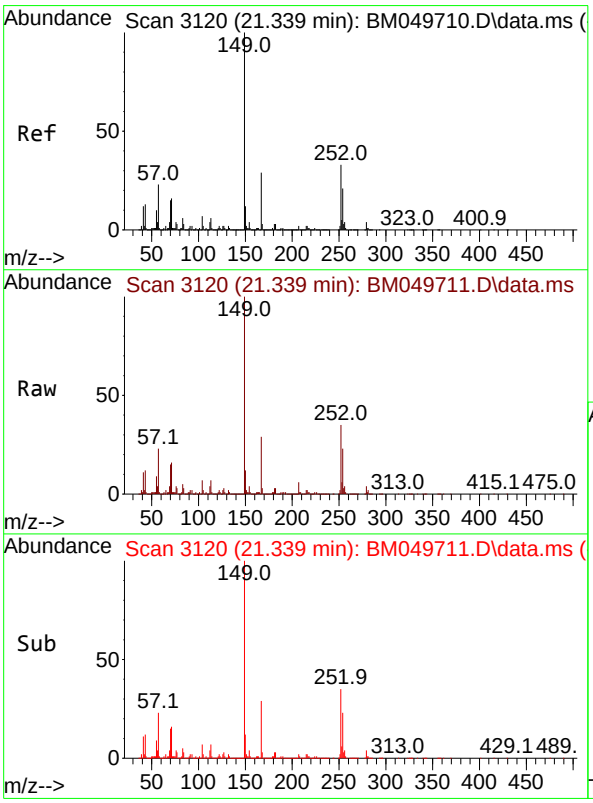
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.5	36.7
229	20.3	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

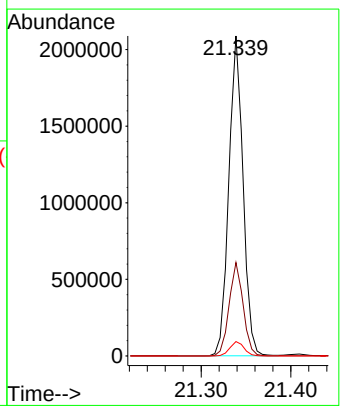
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

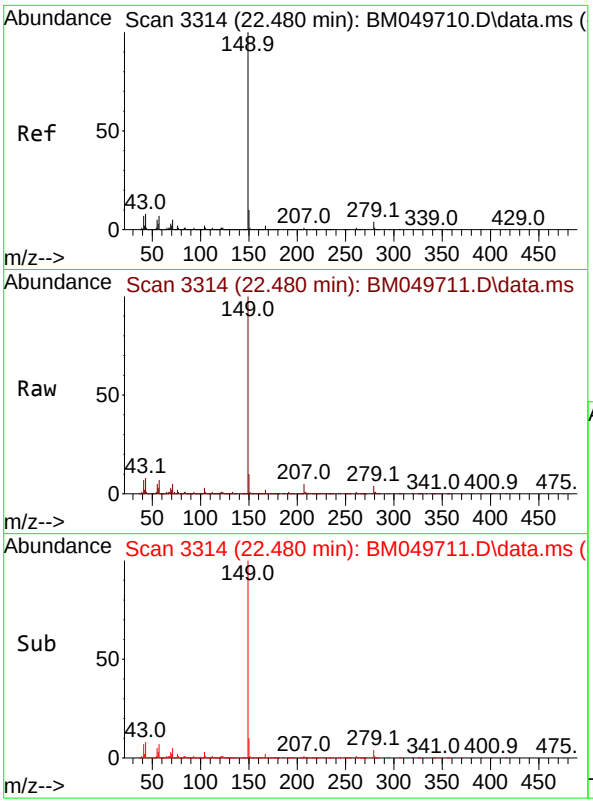


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.022 ng
RT: 21.339 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:149 Resp: 2296803

Ion	Ratio	Lower	Upper
149	100		
167	29.2	22.9	34.3
279	4.5	3.5	5.3

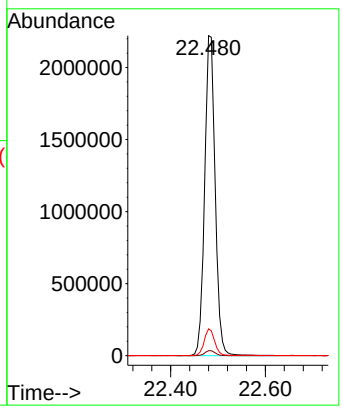




#85
Di-n-octyl phthalate
Concen: 54.543 ng
RT: 22.480 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:149 Resp: 341466

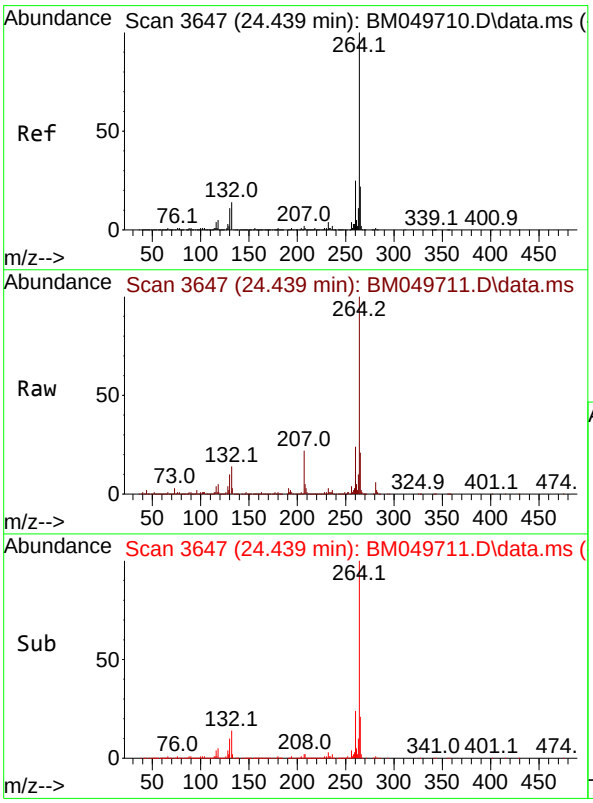
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.8	10.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

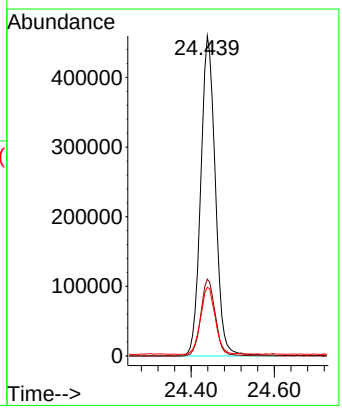
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

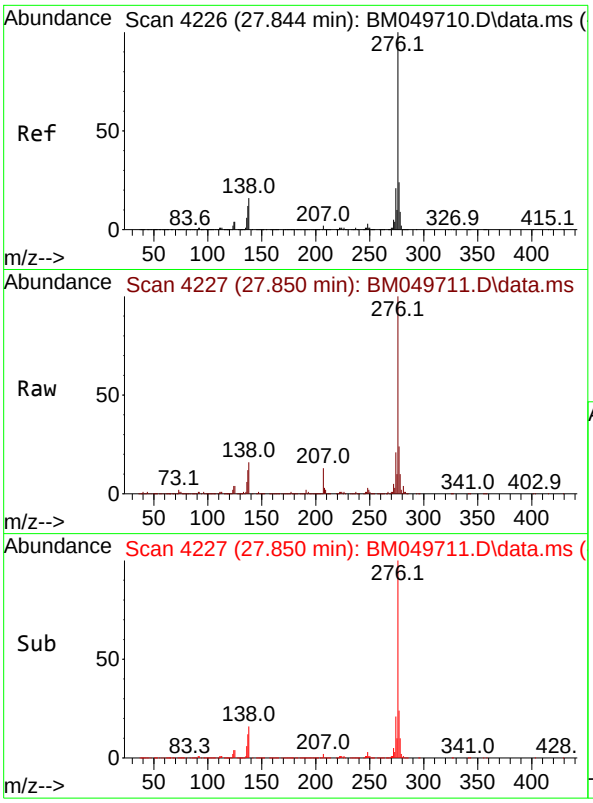


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.439 min Scan# 3647
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:264 Resp: 1121126

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	21.4	18.2	27.2

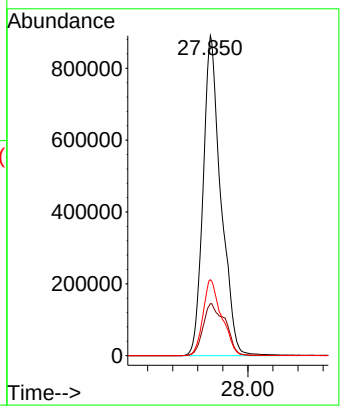




#87
Indeno(1,2,3-cd)pyrene
Concen: 54.427 ng
RT: 27.850 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:276 Resp: 439190

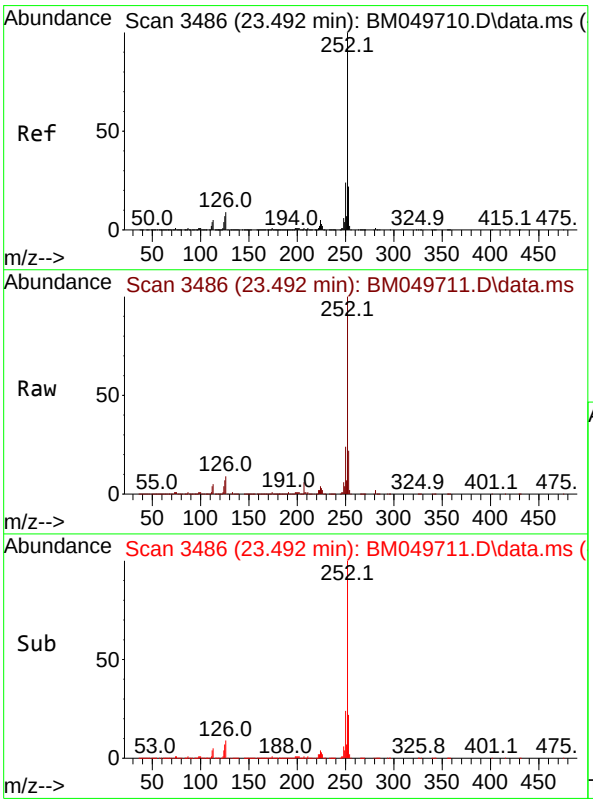
Ion	Ratio	Lower	Upper
276	100		
138	20.2	16.3	24.5
277	24.8	19.9	29.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

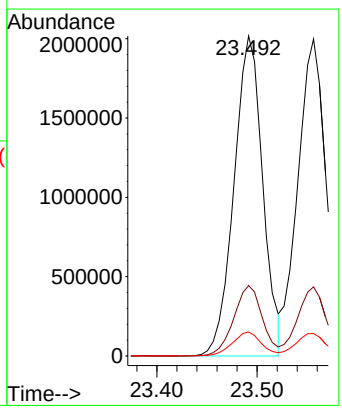
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

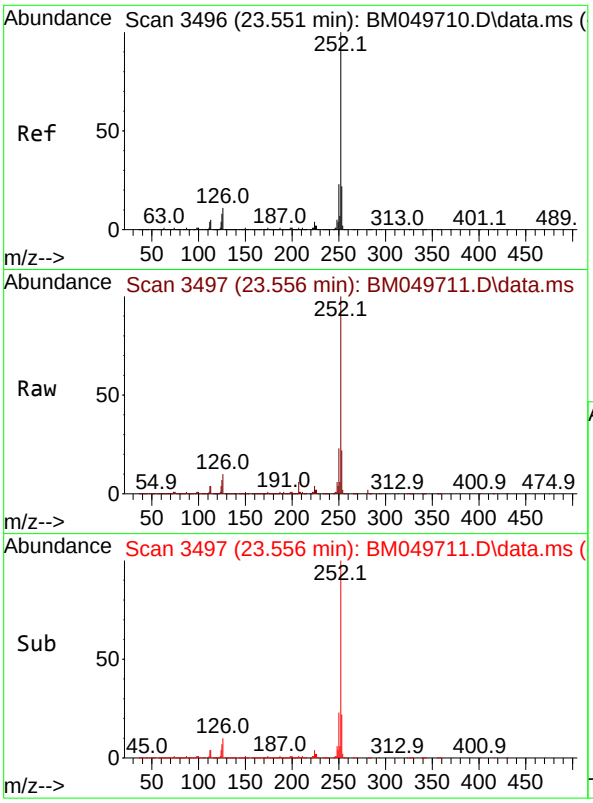


#88
Benzo(b)fluoranthene
Concen: 53.172 ng
RT: 23.492 min Scan# 3486
Delta R.T. -0.000 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:252 Resp: 4015121

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	7.5	5.9	8.9

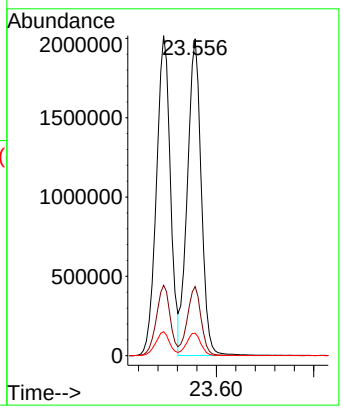




#89
Benzo(k)fluoranthene
Concen: 53.113 ng
RT: 23.556 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:252 Resp: 394646

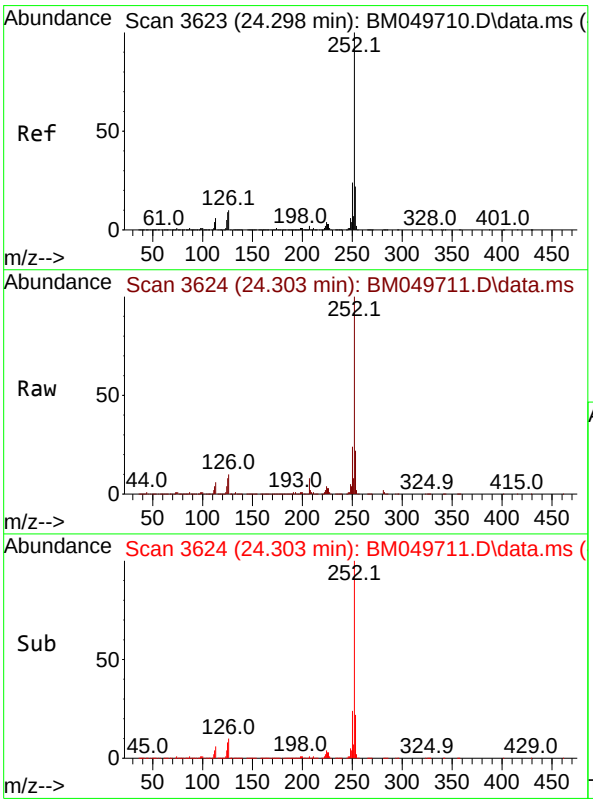
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	7.1	6.2	9.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

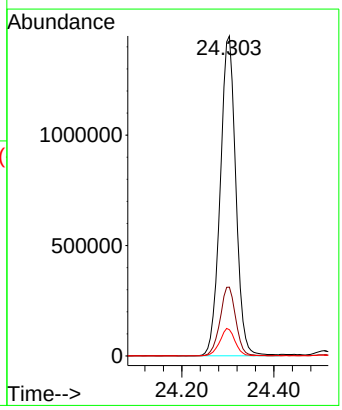
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

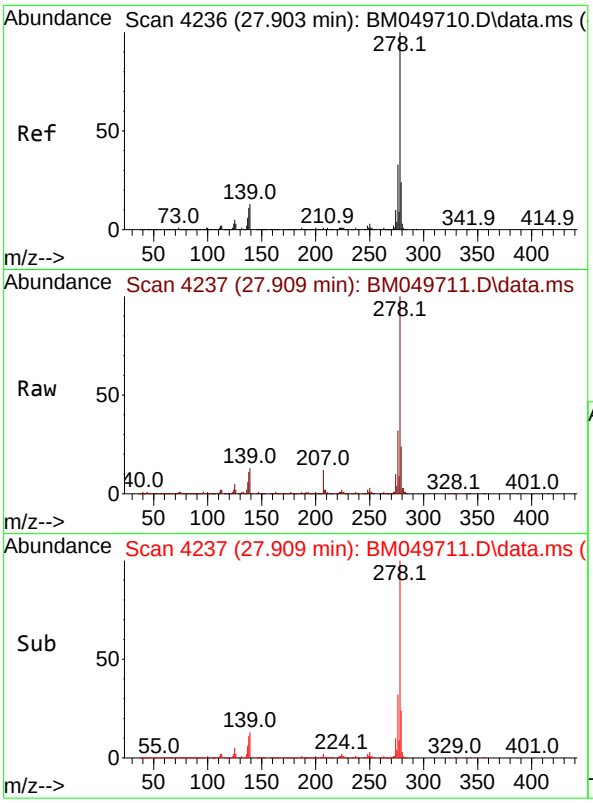


#90
Benzo(a)pyrene
Concen: 53.487 ng
RT: 24.303 min Scan# 3624
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:252 Resp: 3392495

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	8.2	7.0	10.6

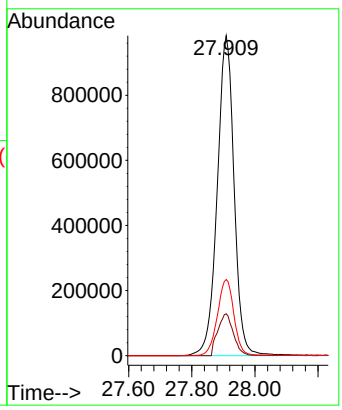




#91
Dibenzo(a,h)anthracene
Concen: 54.170 ng
RT: 27.909 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:278 Resp: 364185

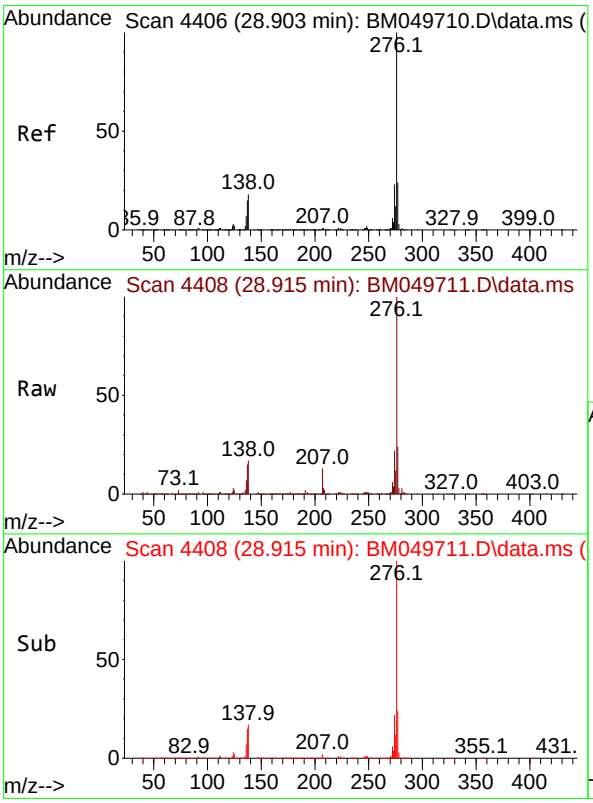
Ion	Ratio	Lower	Upper
278	100		
139	13.1	10.1	15.1
279	23.8	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

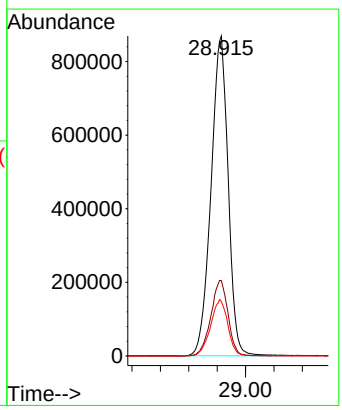
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#92
Benzo(g,h,i)perylene
Concen: 53.651 ng
RT: 28.915 min Scan# 4408
Delta R.T. 0.012 min
Lab File: BM049711.D
Acq: 13 Mar 2025 12:19

Tgt Ion:276 Resp: 3633253

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	17.0	14.0	21.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049712.D
Acq On : 13 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:43:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	315799	20.000	ng		0.00
21) Naphthalene-d8	10.604	136	1024759	20.000	ng		0.00
39) Acenaphthene-d10	14.445	164	618823	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	1169651	20.000	ng		0.00
76) Chrysene-d12	21.427	240	1173482	20.000	ng		0.00
86) Perylene-d12	24.438	264	1084370	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.387	112	2416717	129.126	ng		0.00
7) Phenol-d6	6.981	99	2994230	127.482	ng		0.00
23) Nitrobenzene-d5	8.963	82	2583706	129.447	ng		0.00
42) 2,4,6-Tribromophenol	15.933	330	1073944	148.622	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	6475865	131.059	ng		0.00
79) Terphenyl-d14	19.809	244	9673323	138.909	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.287	88	500669	61.795	ng		99
3) Pyridine	3.687	79	1281013m	61.832	ng		
4) n-Nitrosodimethylamine	3.593	42	568214	62.064	ng		99
6) Aniline	7.140	93	1180576	59.996	ng		99
8) 2-Chlorophenol	7.375	128	1161936	62.692	ng		99
9) Benzaldehyde	6.945	77	582373	50.156	ng		99
10) Phenol	7.010	94	1429401	62.763	ng		98
11) bis(2-Chloroethyl)ether	7.234	93	1137868	61.698	ng		99
12) 1,3-Dichlorobenzene	7.698	146	1393806	61.881	ng		99
13) 1,4-Dichlorobenzene	7.845	146	1404557	61.813	ng		99
14) 1,2-Dichlorobenzene	8.163	146	1324220	61.320	ng		98
15) Benzyl Alcohol	8.045	79	944038	64.048	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.345	45	1292162	59.613	ng		100
17) 2-Methylphenol	8.257	107	851393	62.967	ng		99
18) Hexachloroethane	8.892	117	493239	61.468	ng		93
19) n-Nitroso-di-n-propyla...	8.616	70	865717	63.565	ng		99
20) 3+4-Methylphenols	8.581	107	1147270	63.315	ng		98
22) Acetophenone	8.628	105	1686019	63.809	ng	#	99
24) Nitrobenzene	9.004	77	1197256	63.615	ng		99
25) Isophorone	9.533	82	1988098	64.875	ng		99
26) 2-Nitrophenol	9.716	139	556011	69.411	ng		100
27) 2,4-Dimethylphenol	9.781	122	669470	65.658	ng		97
28) bis(2-Chloroethoxy)met...	10.016	93	1353615	62.714	ng		100
29) 2,4-Dichlorophenol	10.257	162	1085297	65.322	ng		98
30) 1,2,4-Trichlorobenzene	10.469	180	1314305	63.227	ng		99
31) Naphthalene	10.651	128	3372239	63.997	ng		100
32) Benzoic acid	9.933	122	611385	70.482	ng		98
33) 4-Chloroaniline	10.763	127	1140961	63.446	ng		99
34) Hexachlorobutadiene	10.945	225	820160	63.912	ng		98
35) Caprolactam	11.551	113	267177	69.264	ng		98
36) 4-Chloro-3-methylphenol	11.892	107	952831	66.827	ng		99
37) 2-Methylnaphthalene	12.269	142	2360362	64.061	ng		100
38) 1-Methylnaphthalene	12.486	142	2278919	64.106	ng		99
40) 1,2,4,5-Tetrachloroben...	12.639	216	1483366	65.259	ng		99
41) Hexachlorocyclopentadiene	12.622	237	557389	66.191	ng		97
43) 2,4,6-Trichlorophenol	12.880	196	863951	67.864	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049712.D
Acq On : 13 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:43:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.951	196	936029	67.377	ng	99
46) 1,1'-Biphenyl	13.280	154	3048618	63.921	ng	99
47) 2-Chloronaphthalene	13.321	162	2381008	64.138	ng	99
48) 2-Nitroaniline	13.521	65	578552	69.424	ng	99
49) Acenaphthylene	14.168	152	3384598	65.227	ng	99
50) Dimethylphthalate	13.910	163	2716983	63.771	ng	99
51) 2,6-Dinitrotoluene	14.021	165	563727	66.034	ng	95
52) Acenaphthene	14.510	154	2217160	65.221	ng	99
53) 3-Nitroaniline	14.345	138	556379	68.488	ng	98
54) 2,4-Dinitrophenol	14.551	184	295154	60.822	ng	97
55) Dibenzofuran	14.845	168	3632034	64.040	ng	99
56) 4-Nitrophenol	14.663	139	477486	67.524	ng	99
57) 2,4-Dinitrotoluene	14.804	165	763894	69.539	ng	99
58) Fluorene	15.492	166	3055405	66.168	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.074	232	777060	66.821	ng	100
60) Diethylphthalate	15.274	149	2576429	64.207	ng	99
61) 4-Chlorophenyl-phenyle...	15.492	204	1674356	66.402	ng	98
62) 4-Nitroaniline	15.510	138	598859	60.865	ng	97
63) Azobenzene	15.780	77	2482118	64.760	ng	100
65) 4,6-Dinitro-2-methylph...	15.568	198	417995	61.103	ng	96
66) n-Nitrosodiphenylamine	15.704	169	2302780	64.980	ng	100
67) 4-Bromophenyl-phenylether	16.380	248	881819	65.299	ng	99
68) Hexachlorobenzene	16.498	284	986543	64.964	ng	99
70) Pentachlorophenol	16.839	266	647404	67.839	ng	98
71) Phenanthrene	17.227	178	4268082	65.716	ng	100
72) Anthracene	17.321	178	4187832	66.580	ng	100
73) Carbazole	17.592	167	3826935	67.182	ng	99
74) Di-n-butylphthalate	18.162	149	4214218	67.499	ng	99
75) Fluoranthene	19.245	202	5199093	69.531	ng	100
77) Benzidine	19.427	184	771546	54.727	ng	99
78) Pyrene	19.609	202	5421531	66.127	ng	100
80) Butylbenzylphthalate	20.509	149	1729836	67.988	ng	100
81) Benzo(a)anthracene	21.409	228	5145212	65.644	ng	99
82) 3,3'-Dichlorobenzidine	21.333	252	1687314	66.120	ng	99
83) Chrysene	21.474	228	4892160	65.843	ng	100
84) Bis(2-ethylhexyl)phtha...	21.339	149	2633480	66.414	ng	99
85) Di-n-octyl phthalate	22.480	149	3977588	64.539	ng	99
87) Indeno(1,2,3-cd)pyrene	27.856	276	5301272	67.923	ng	100
88) Benzo(b)fluoranthene	23.491	252	4904977	67.158	ng	100
89) Benzo(k)fluoranthene	23.556	252	4810286	66.934	ng	99
90) Benzo(a)pyrene	24.303	252	4164433	67.883	ng	99
91) Dibenzo(a,h)anthracene	27.909	278	4403728	67.722	ng	99
92) Benzo(g,h,i)perylene	28.915	276	4374098	66.781	ng	99

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

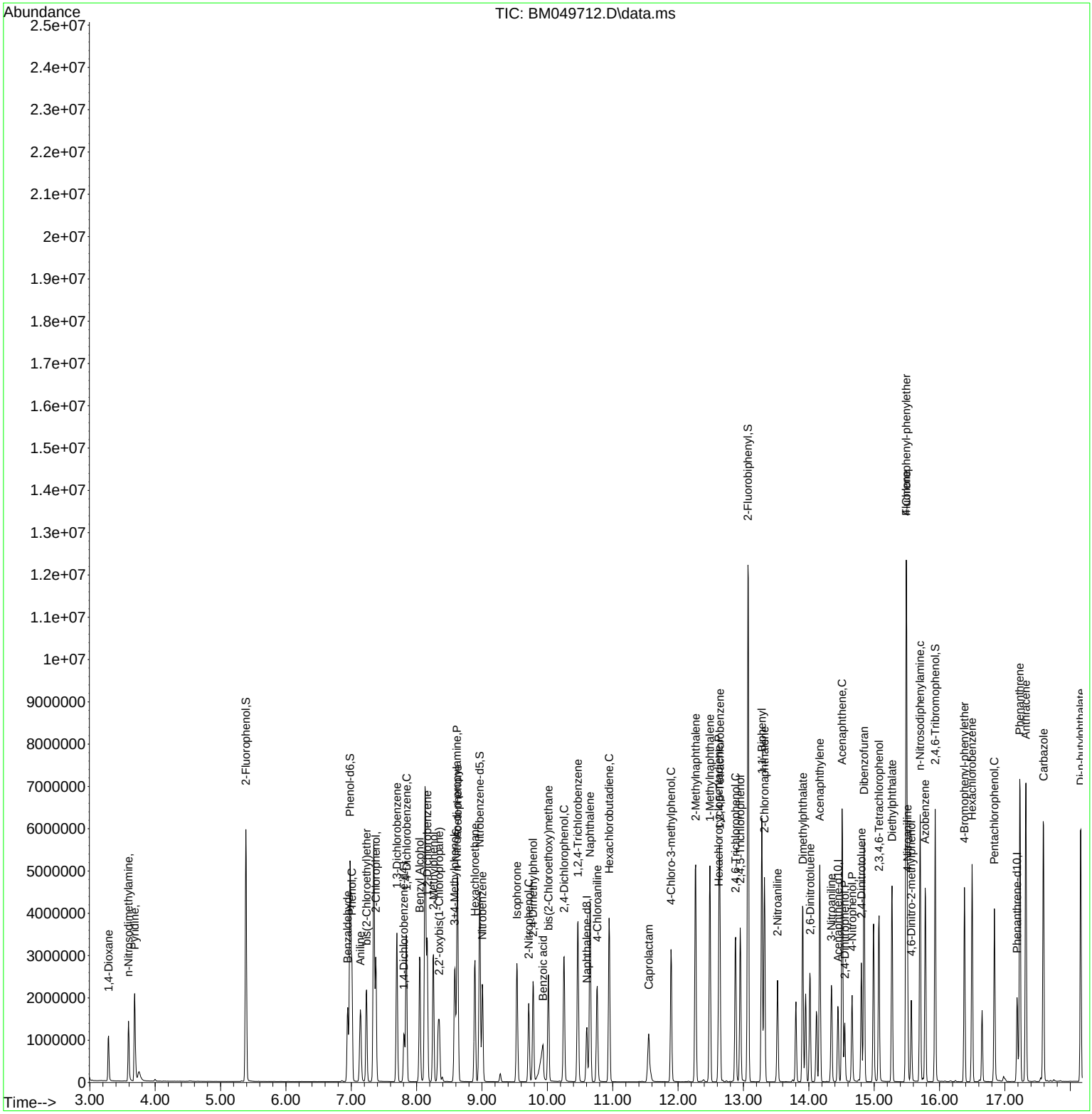
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049712.D
Acq On : 13 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 13 14:43:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



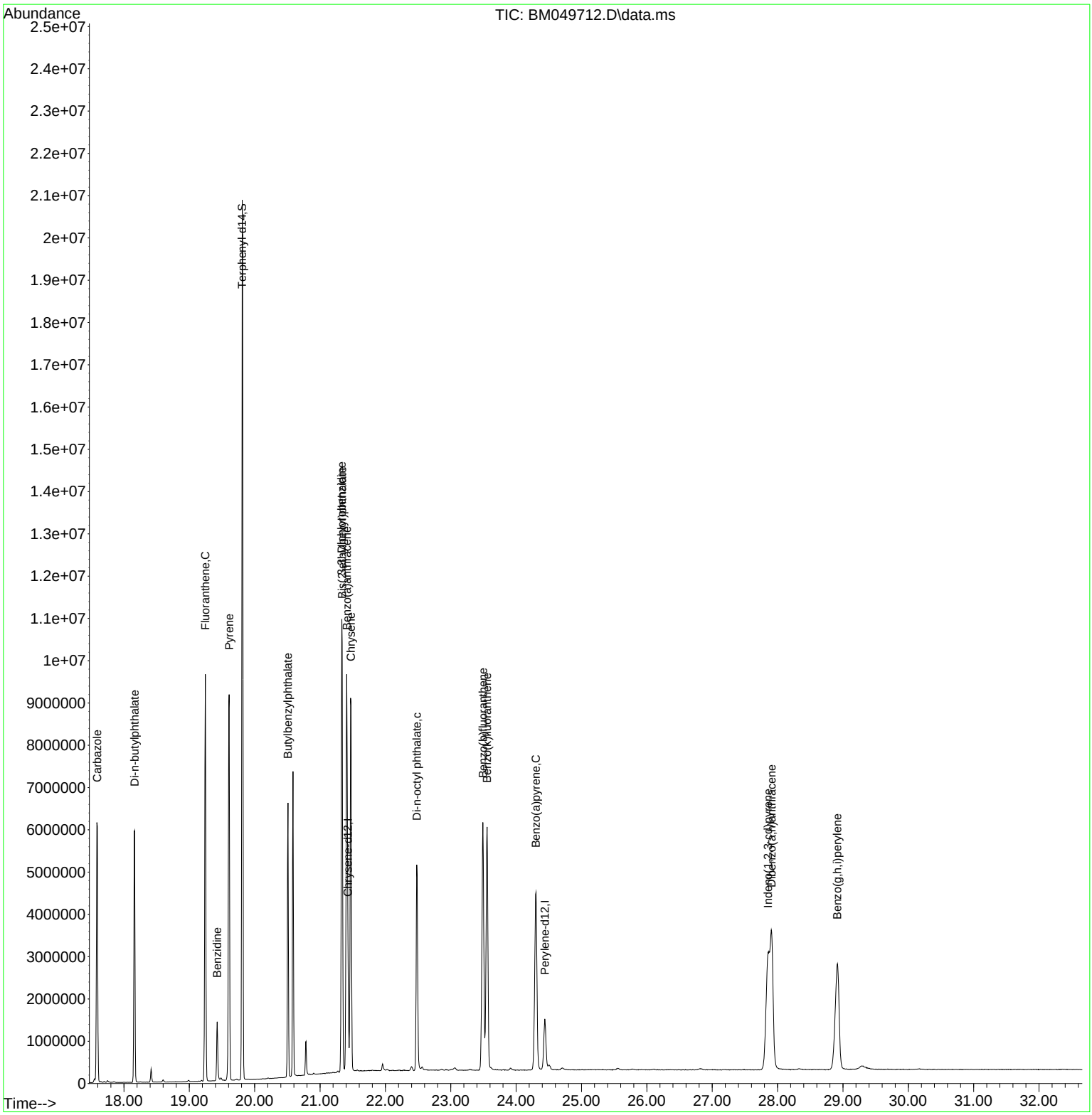
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049712.D
Acq On : 13 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

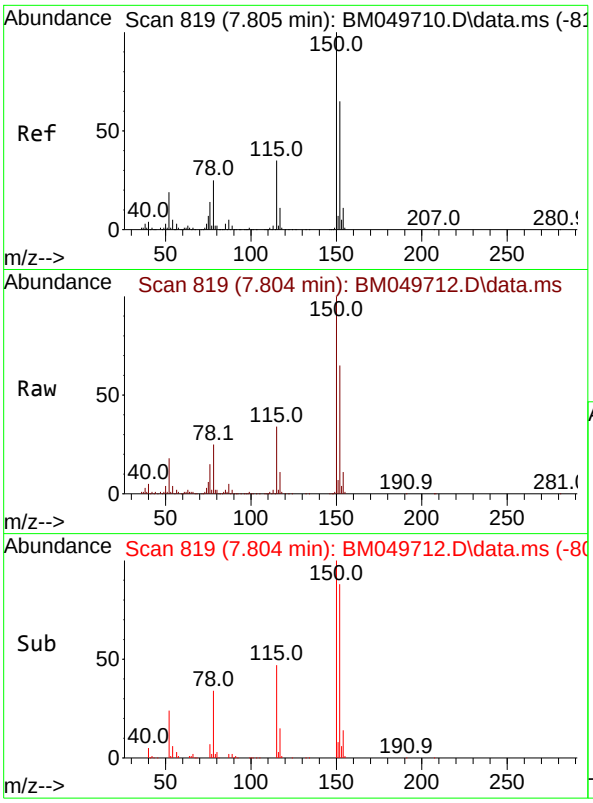
Quant Time: Mar 13 14:43:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

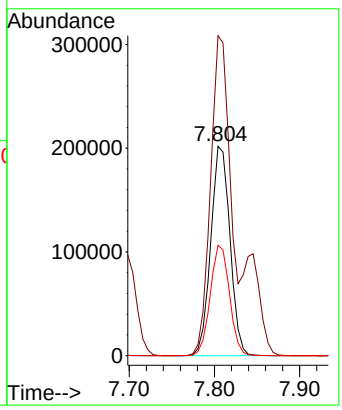




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 8
Delta R.T. -0.001 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:152 Resp: 31579

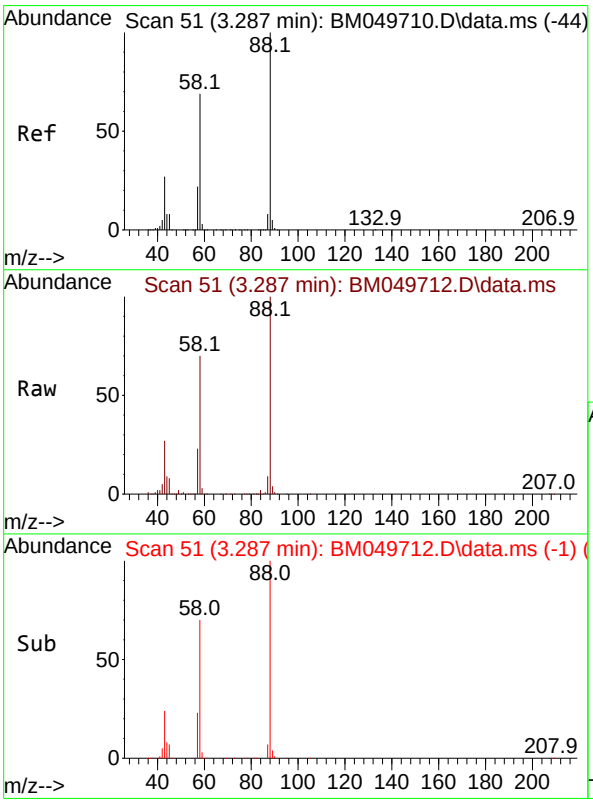
Ion	Ratio	Lower	Upper
152	100		
150	152.8	123.8	185.8
115	52.7	43.0	64.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

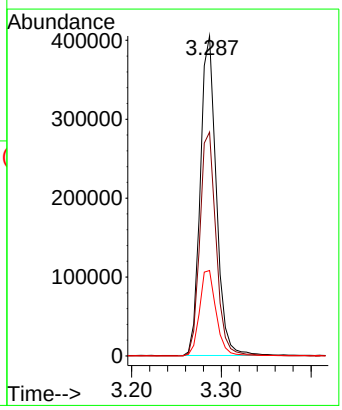
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

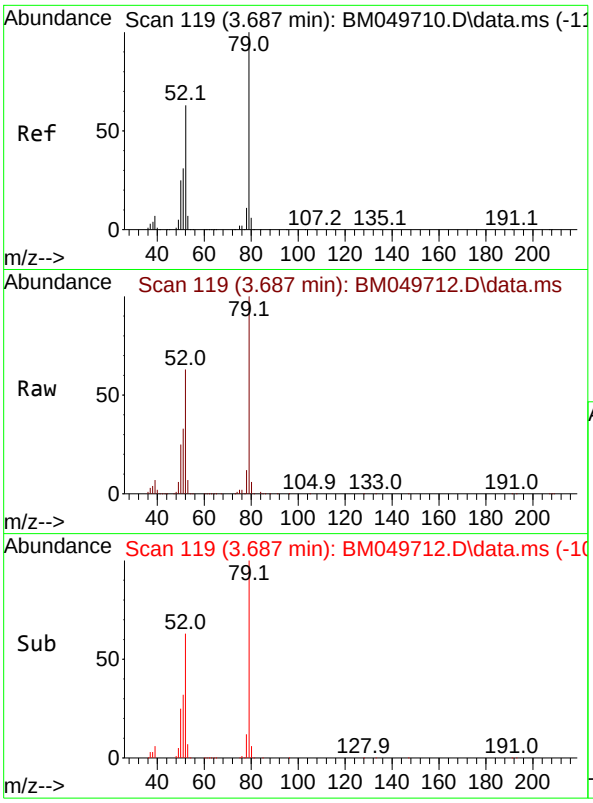


#2
1,4-Dioxane
Concen: 61.795 ng
RT: 3.287 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 88 Resp: 500669

Ion	Ratio	Lower	Upper
88	100		
58	71.5	56.7	85.1
43	27.9	22.6	34.0





#3
Pyridine
Concen: 61.832 ng m
RT: 3.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

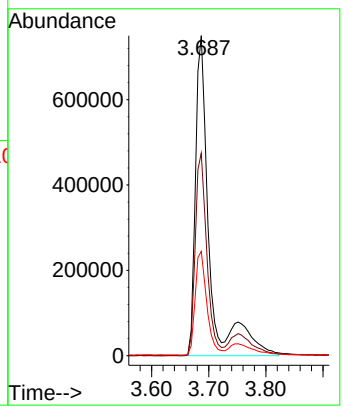
Tgt Ion: 79 Resp: 128101

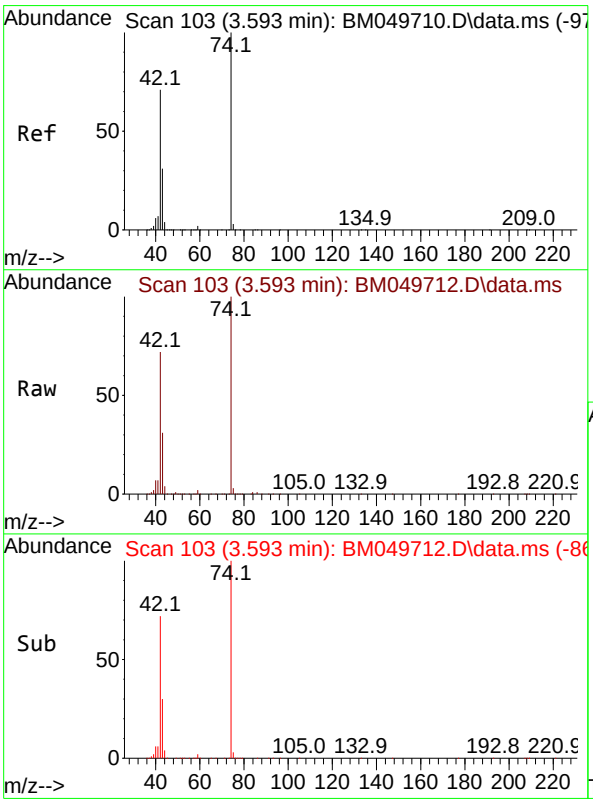
Ion	Ratio	Lower	Upper
79	100		
52	63.3	50.1	75.1
51	32.6	25.2	37.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

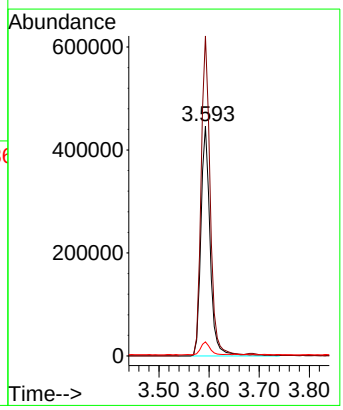


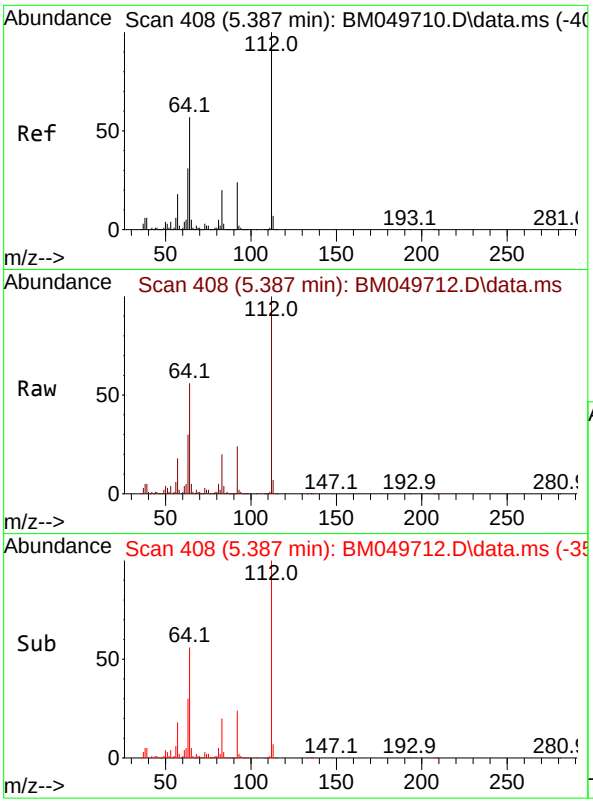


#4
n-Nitrosodimethylamine
Concen: 62.064 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 42 Resp: 568214

Ion	Ratio	Lower	Upper
42	100		
74	139.3	112.6	168.8
44	6.1	5.0	7.6

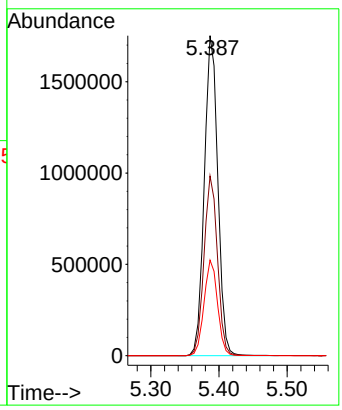




#5
2-Fluorophenol
Concen: 129.126 ng
RT: 5.387 min Scan# 4(
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:112 Resp: 241671

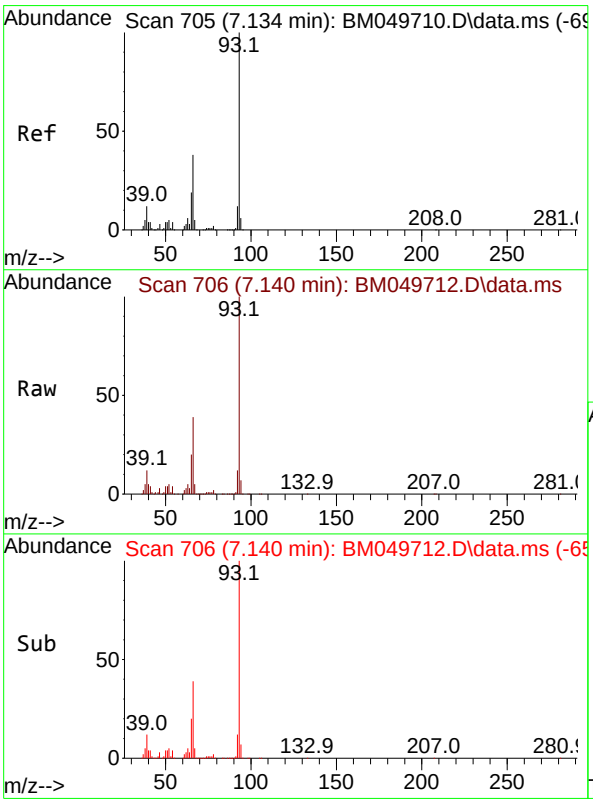
Ion	Ratio	Lower	Upper
112	100		
64	56.1	45.3	67.9
63	29.9	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

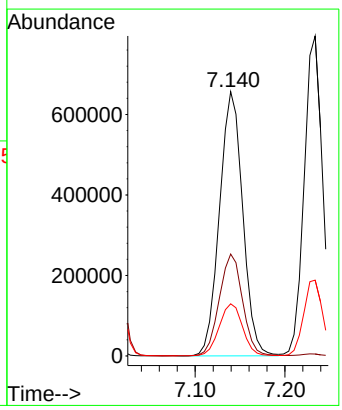
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

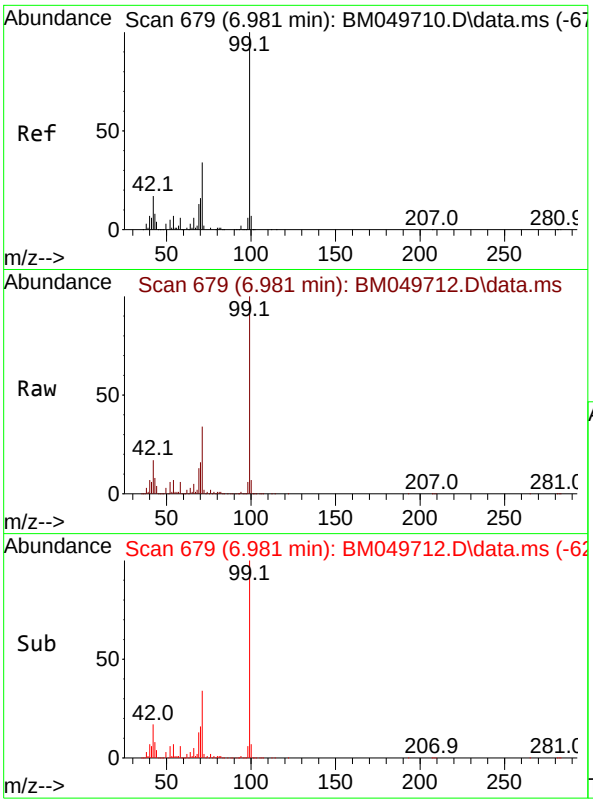


#6
Aniline
Concen: 59.996 ng
RT: 7.140 min Scan# 706
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 93 Resp: 1180576

Ion	Ratio	Lower	Upper
93	100		
66	38.6	30.6	46.0
65	19.8	15.4	23.2

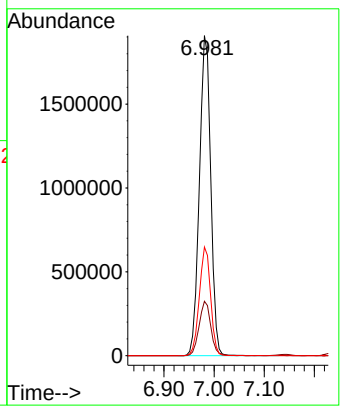




#7
Phenol-d6
Concen: 127.482 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 99 Resp: 299423

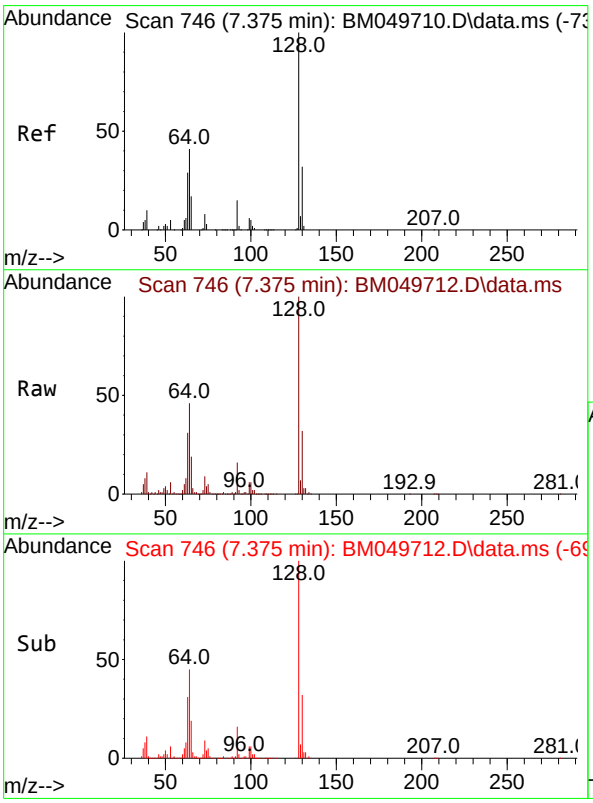
Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.6	20.4
71	34.0	27.0	40.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

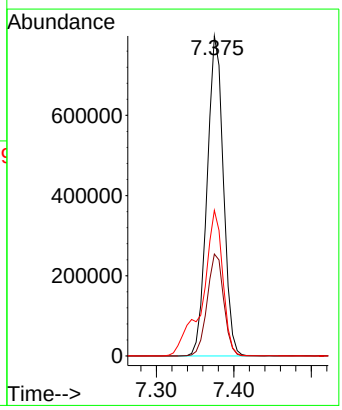
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

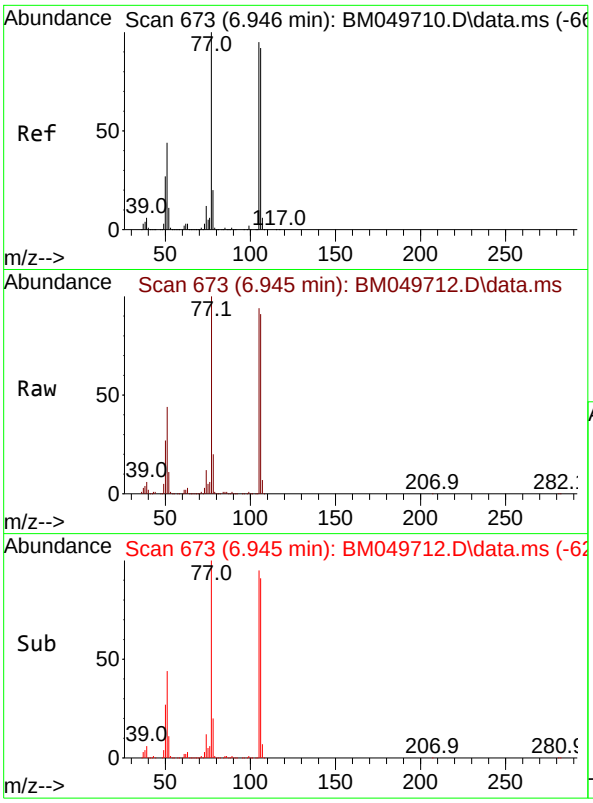


#8
2-Chlorophenol
Concen: 62.692 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:128 Resp: 1161936

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.5	52.5
64	45.5	24.9	64.9

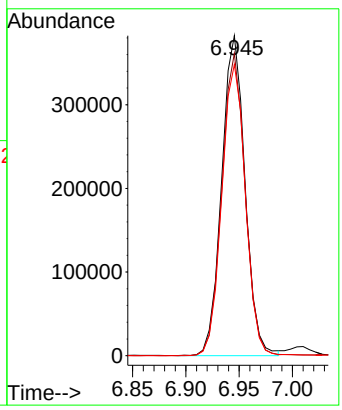




#9
Benzaldehyde
Concen: 50.156 ng
RT: 6.945 min Scan# 6
Delta R.T. -0.001 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 77 Resp: 58237

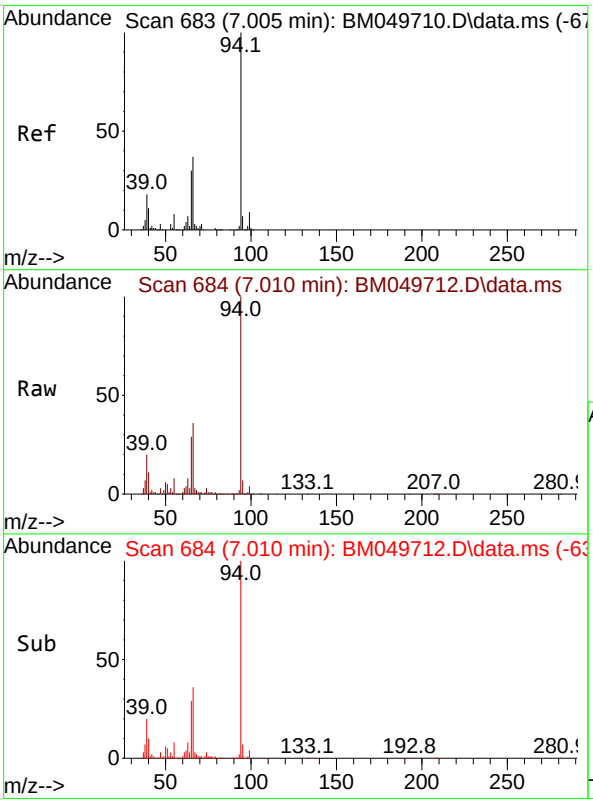
Ion	Ratio	Lower	Upper
77	100		
105	94.5	75.0	115.0
106	91.0	72.3	112.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

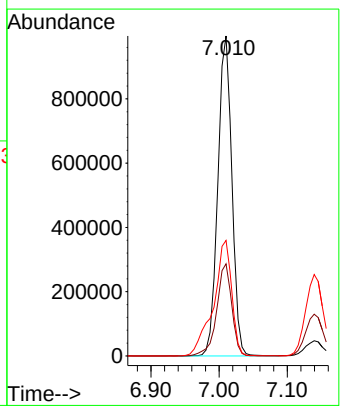
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

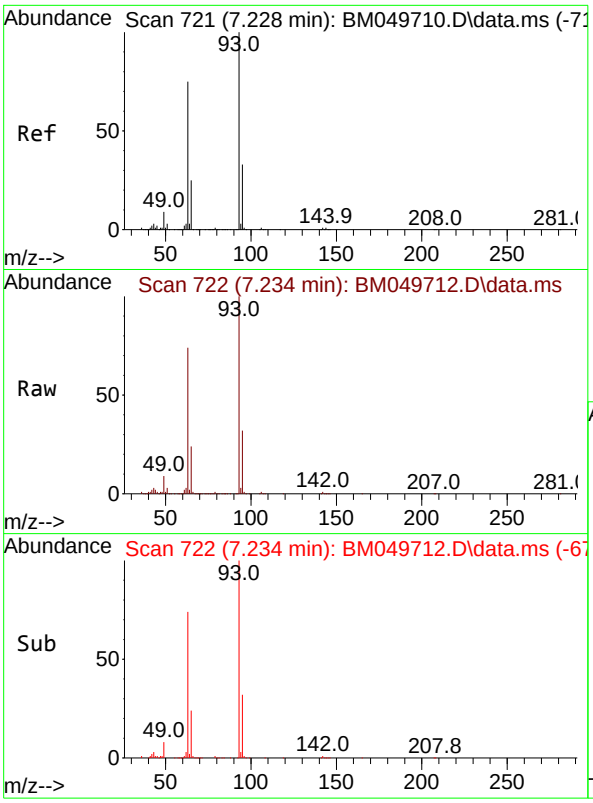


#10
Phenol
Concen: 62.763 ng
RT: 7.010 min Scan# 684
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 94 Resp: 1429401

Ion	Ratio	Lower	Upper
94	100		
65	28.8	10.4	50.4
66	36.1	17.1	57.1

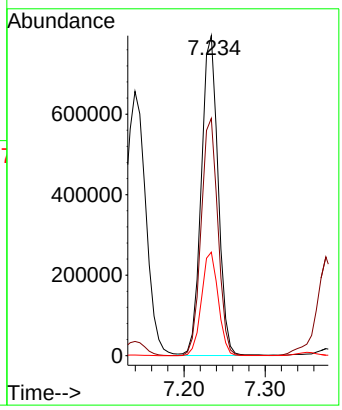




#11
bis(2-Chloroethyl)ether
Concen: 61.698 ng
RT: 7.234 min Scan# 7
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 93 Resp: 113786

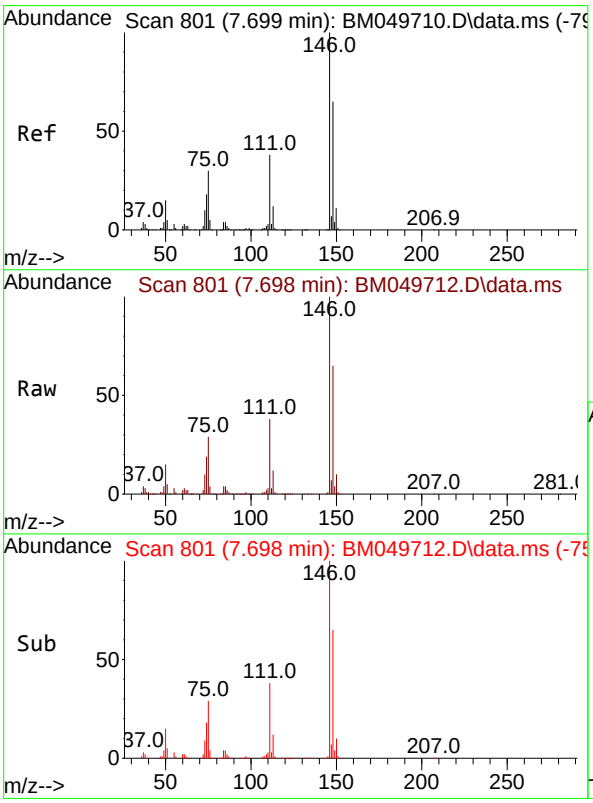
Ion	Ratio	Lower	Upper
93	100		
63	74.2	54.8	94.8
95	32.4	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

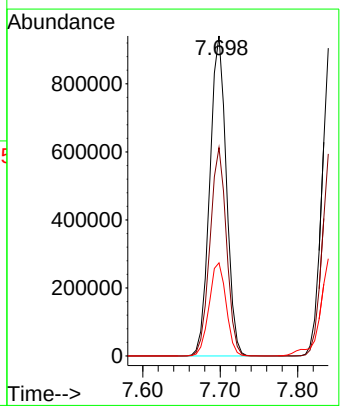
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

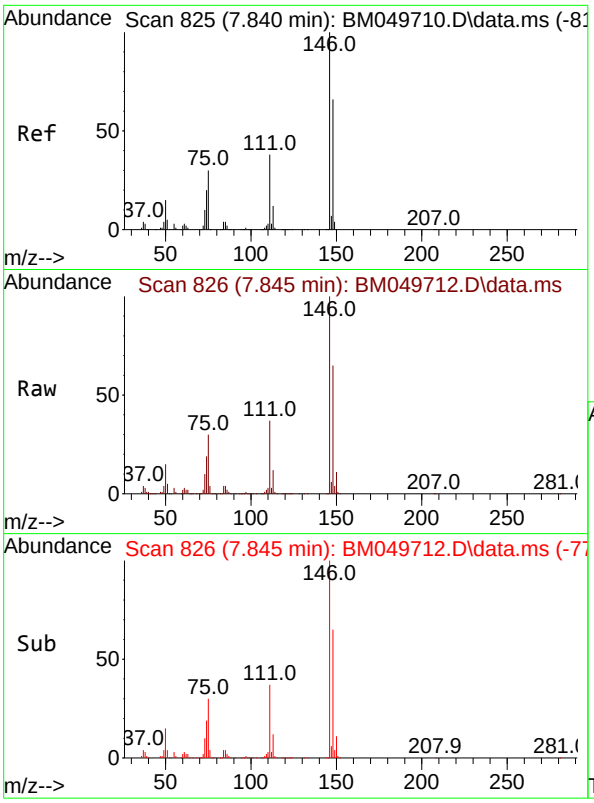


#12
1,3-Dichlorobenzene
Concen: 61.881 ng
RT: 7.698 min Scan# 801
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:146 Resp: 1393806

Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.3	78.5
75	29.1	24.2	36.2

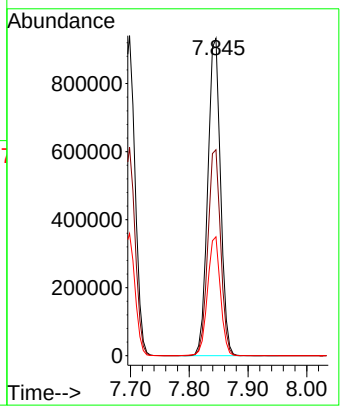




#13
1,4-Dichlorobenzene
Concen: 61.813 ng
RT: 7.845 min Scan# 8
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:146 Resp: 140455

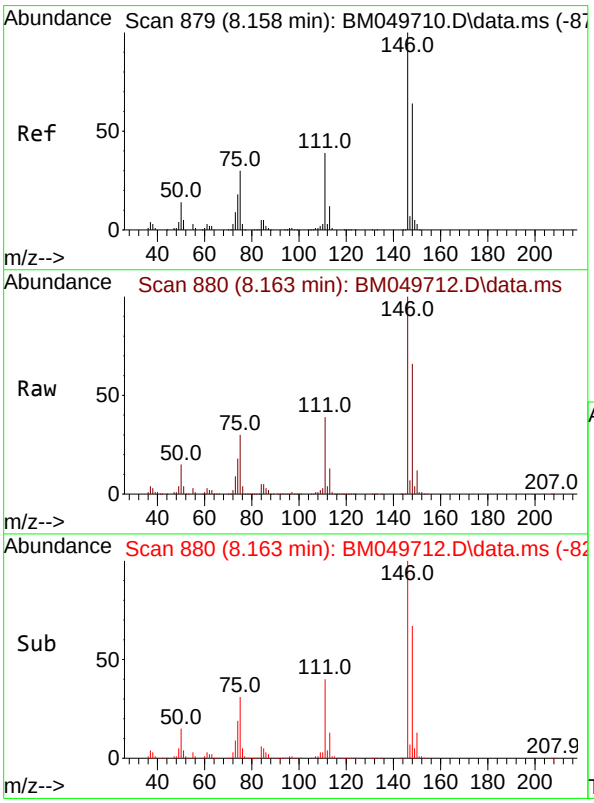
Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.6	79.0
111	37.4	30.8	46.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

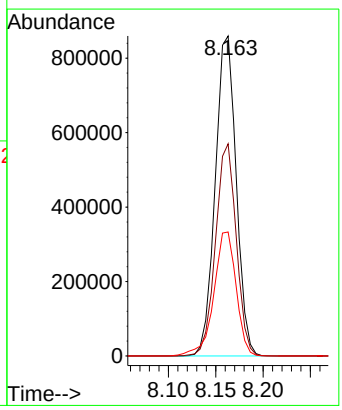
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

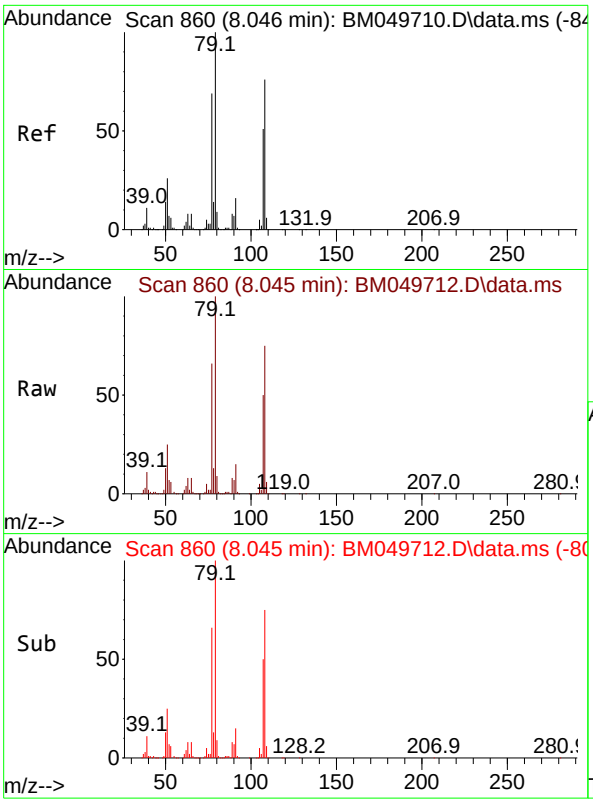


#14
1,2-Dichlorobenzene
Concen: 61.320 ng
RT: 8.163 min Scan# 880
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:146 Resp: 1324220

Ion	Ratio	Lower	Upper
146	100		
148	66.3	50.9	76.3
111	38.8	31.0	46.6





#15
Benzyl Alcohol
Concen: 64.048 ng
RT: 8.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

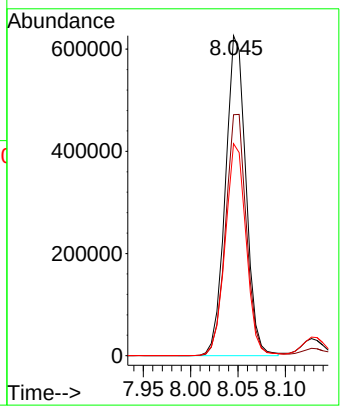
Tgt Ion: 79 Resp: 94403

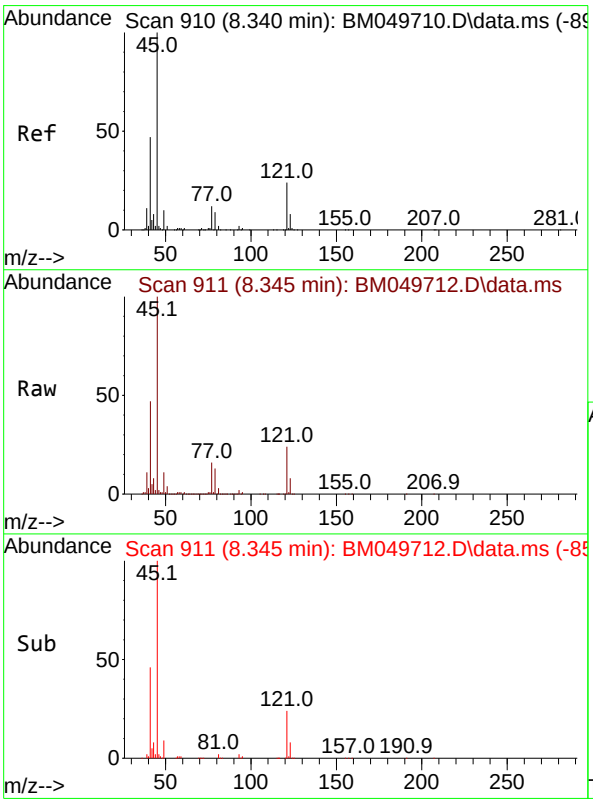
Ion	Ratio	Lower	Upper
79	100		
108	75.3	60.7	91.1
77	66.3	55.4	83.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

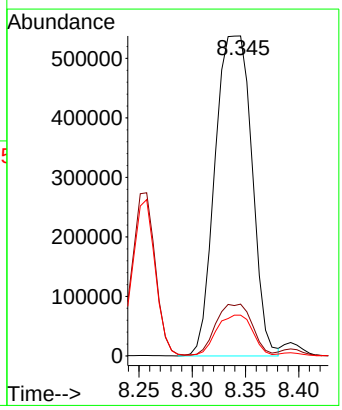


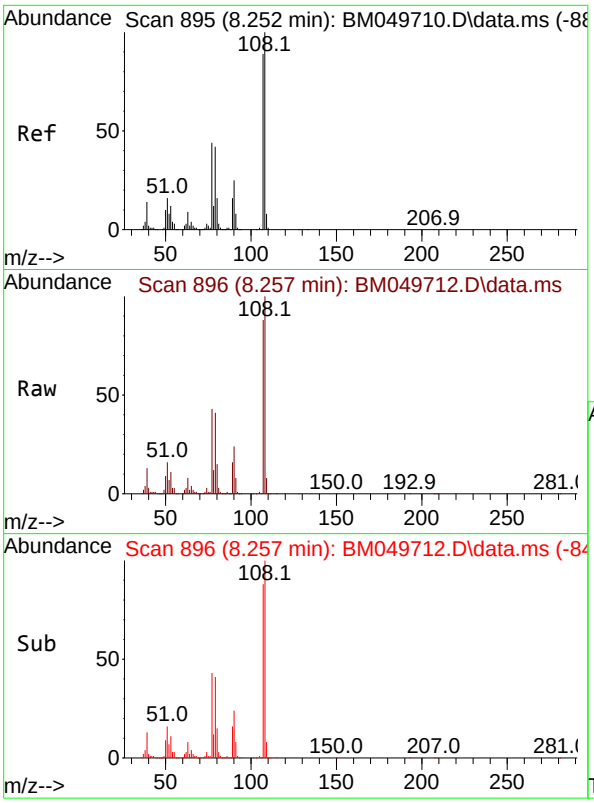


#16
2,2'-oxybis(1-Chloropropane)
Concen: 59.613 ng
RT: 8.345 min Scan# 911
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 45 Resp: 1292162

Ion	Ratio	Lower	Upper
45	100		
77	16.2	0.0	36.1
79	12.8	0.0	32.8

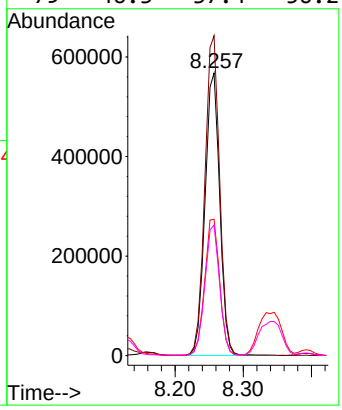




#17
2-Methylphenol
Concen: 62.967 ng
RT: 8.257 min Scan# 8
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:107 Resp: 85139

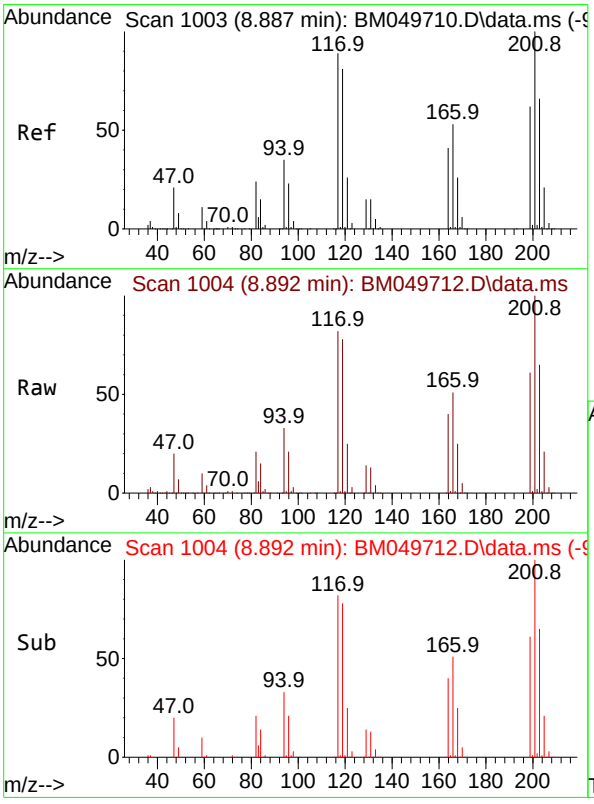
Ion	Ratio	Lower	Upper
107	100		
108	113.3	89.6	134.4
77	48.3	39.8	59.6
79	46.3	37.4	56.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

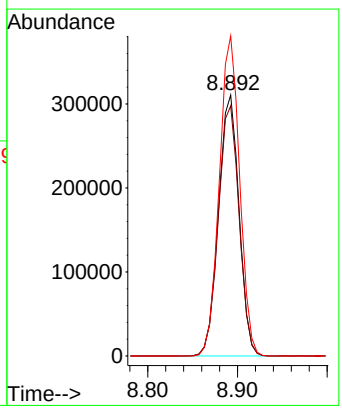
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

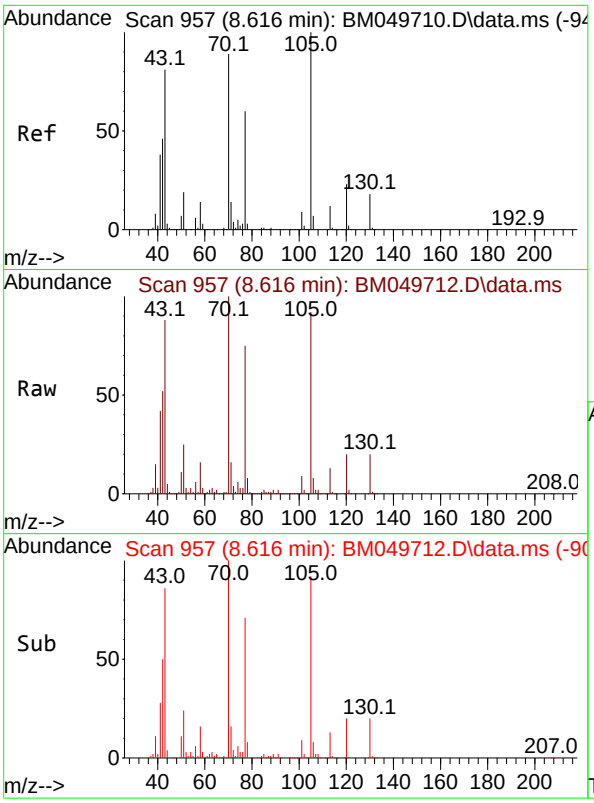


#18
Hexachloroethane
Concen: 61.468 ng
RT: 8.892 min Scan# 1004
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:117 Resp: 493239

Ion	Ratio	Lower	Upper
117	100		
119	95.8	73.1	109.7
201	122.6	90.0	135.0

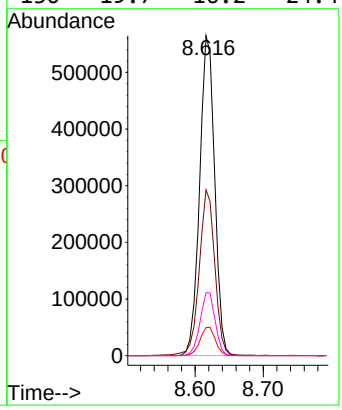




#19
n-Nitroso-di-n-propylamine
Concen: 63.565 ng
RT: 8.616 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 70 Resp: 86571

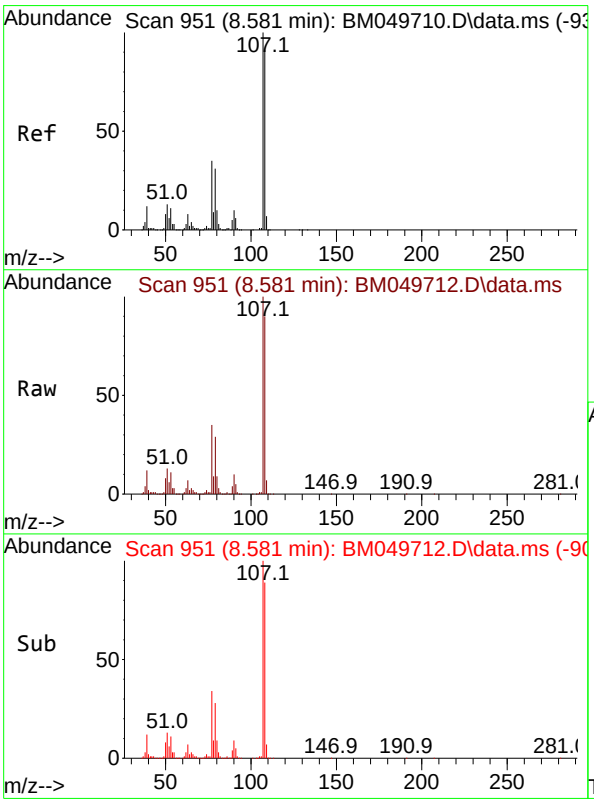
Ion	Ratio	Lower	Upper
70	100		
42	51.8	41.8	62.6
101	8.8	7.7	11.5
130	19.7	16.2	24.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

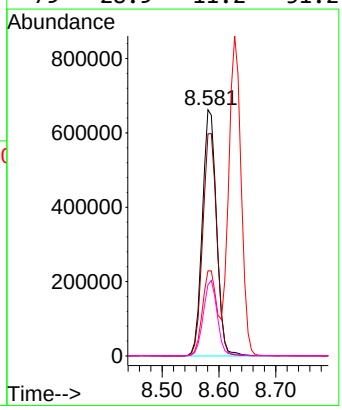
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

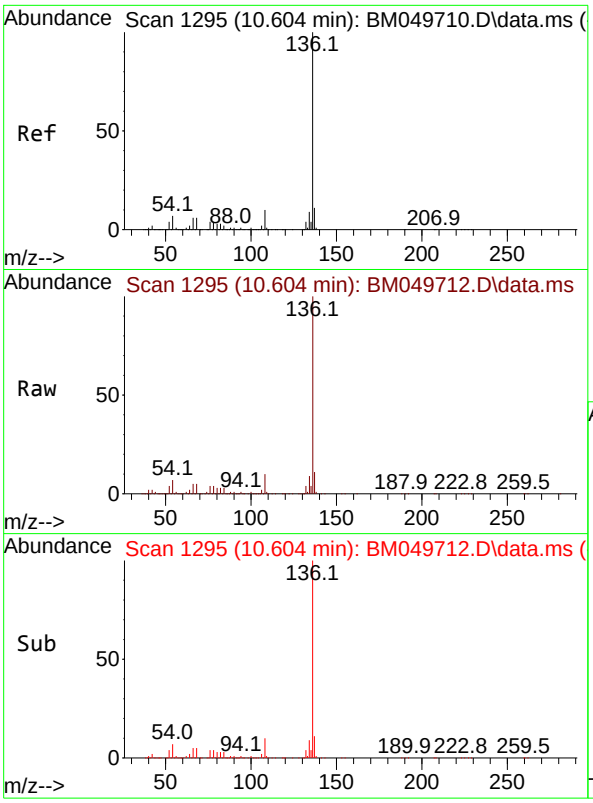


#20
3+4-Methylphenols
Concen: 63.315 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:107 Resp: 1147270

Ion	Ratio	Lower	Upper
107	100		
108	90.2	71.0	111.0
77	34.6	15.1	55.1
79	28.9	11.2	51.2

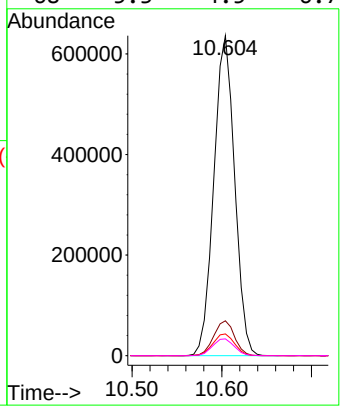




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:136 Resp: 102475

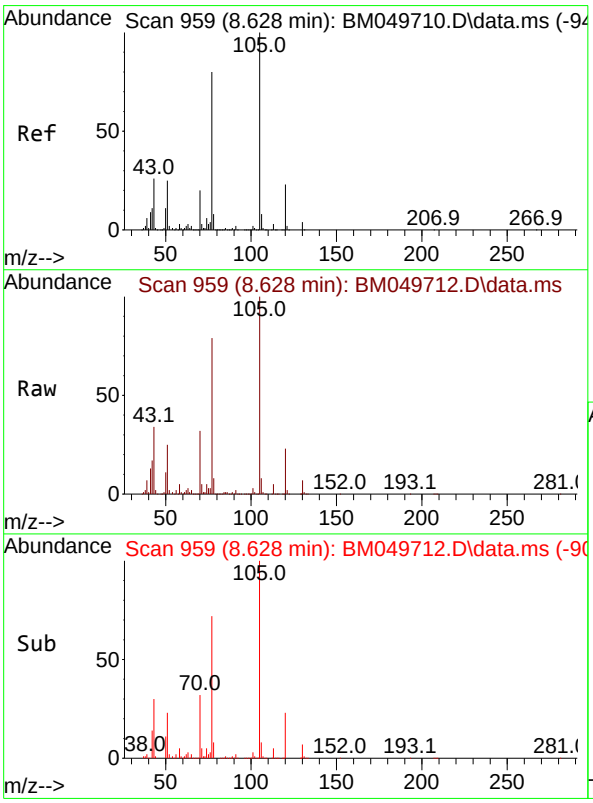
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	6.8	5.8	8.8
68	5.3	4.5	6.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

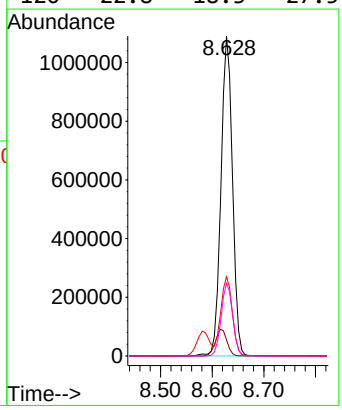
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

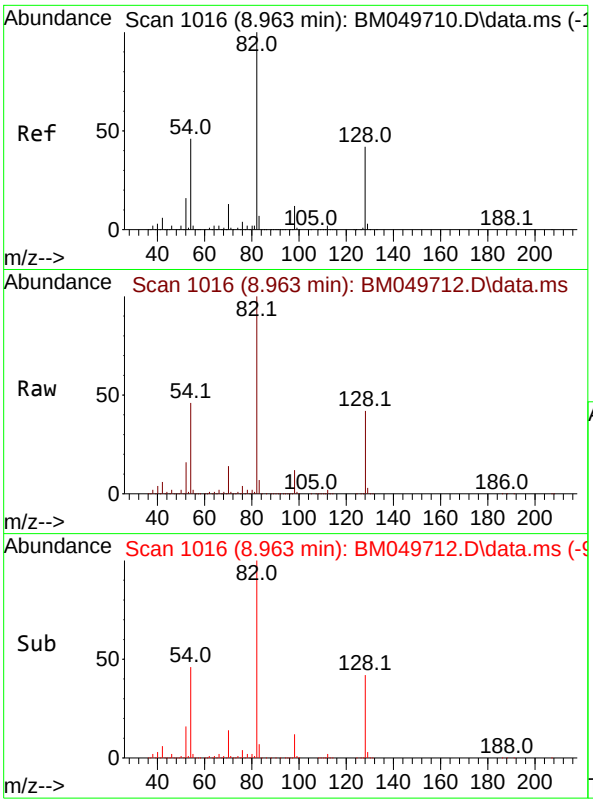


#22
Acetophenone
Concen: 63.809 ng
RT: 8.628 min Scan# 959
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:105 Resp: 1686019

Ion	Ratio	Lower	Upper
105	100		
71	5.1	2.5	3.7#
51	24.7	19.9	29.9
120	22.8	18.3	27.5

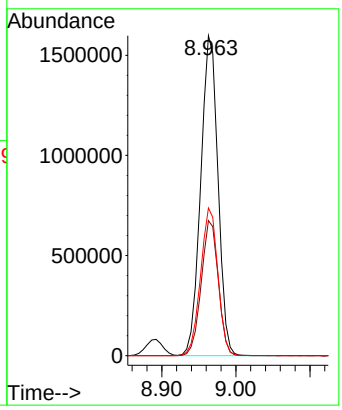




#23
Nitrobenzene-d5
Concen: 129.447 ng
RT: 8.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 82 Resp: 258370

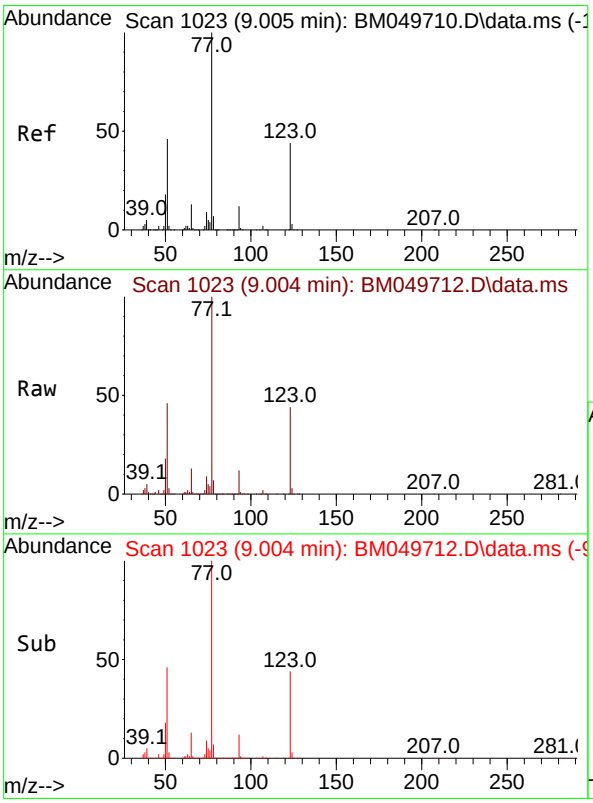
Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.4	50.0
54	46.1	36.4	54.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

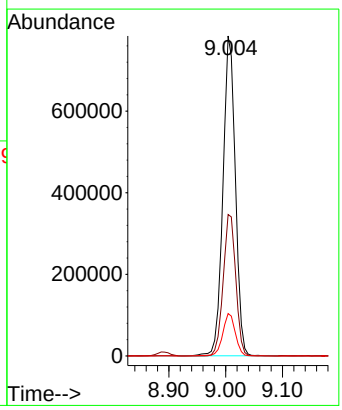
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

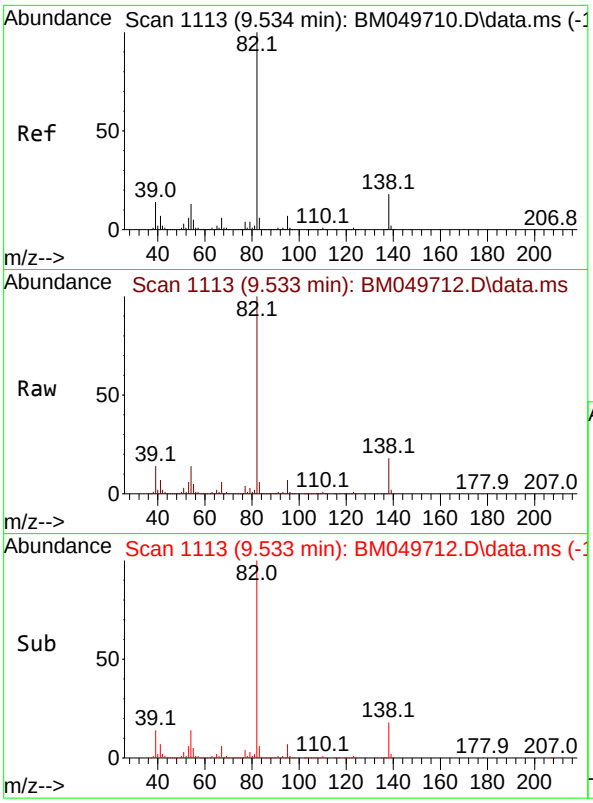


#24
Nitrobenzene
Concen: 63.615 ng
RT: 9.004 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 77 Resp: 1197256

Ion	Ratio	Lower	Upper
77	100		
123	44.2	34.9	52.3
65	13.3	10.6	15.8

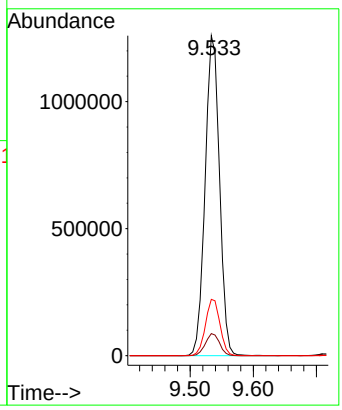




#25
Isophorone
Concen: 64.875 ng
RT: 9.533 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 82 Resp: 198809

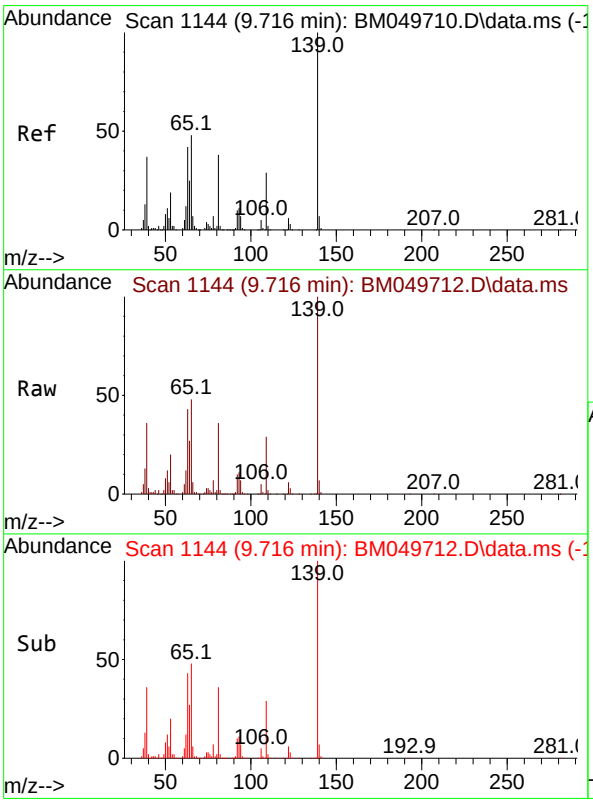
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.3	7.9
138	17.6	14.4	21.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

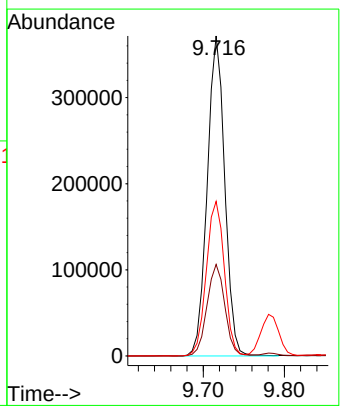
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

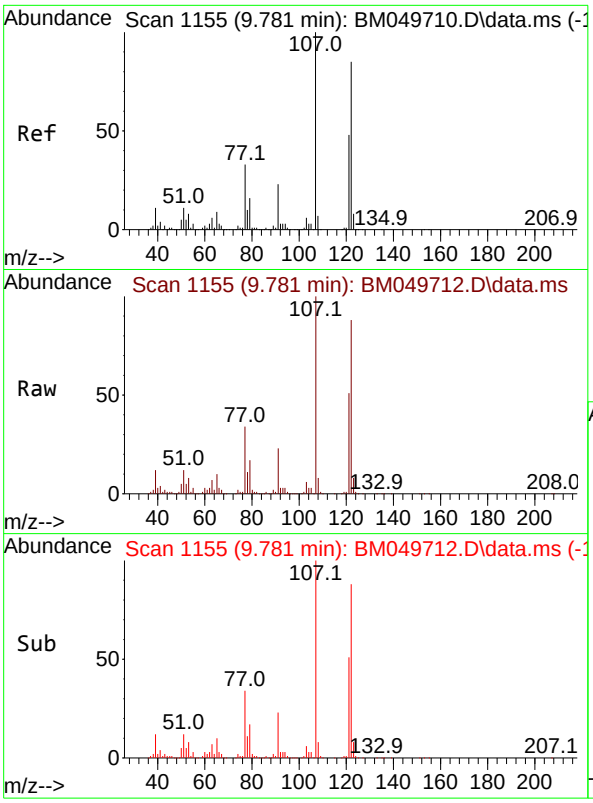


#26
2-Nitrophenol
Concen: 69.411 ng
RT: 9.716 min Scan# 1144
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:139 Resp: 556011

Ion	Ratio	Lower	Upper
139	100		
109	28.6	23.3	34.9
65	48.3	38.6	58.0

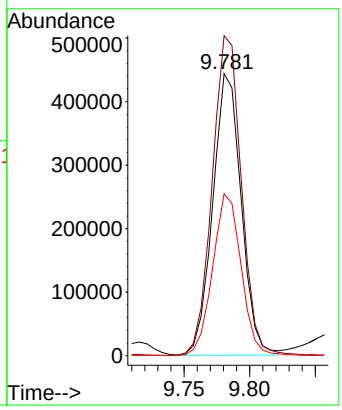




#27
2,4-Dimethylphenol
Concen: 65.658 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:122 Resp: 66947

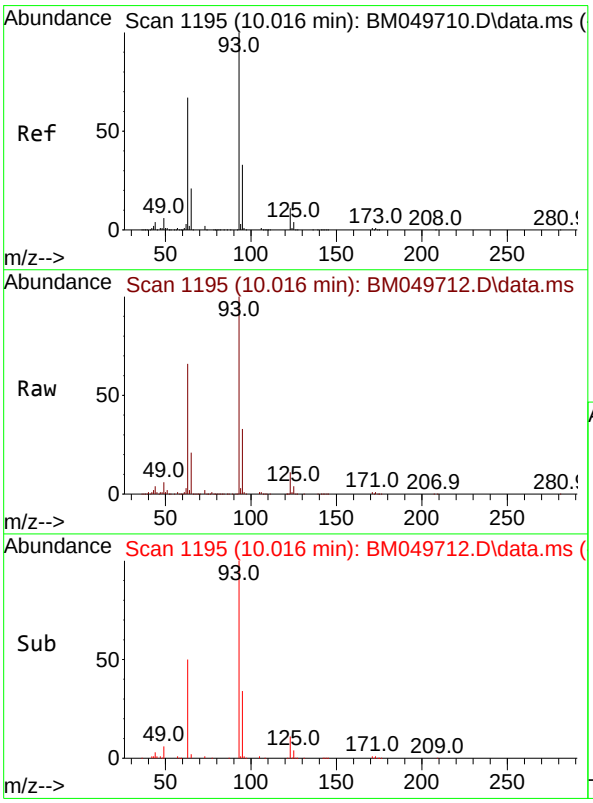
Ion	Ratio	Lower	Upper
122	100		
107	113.5	94.3	141.5
121	57.4	45.4	68.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

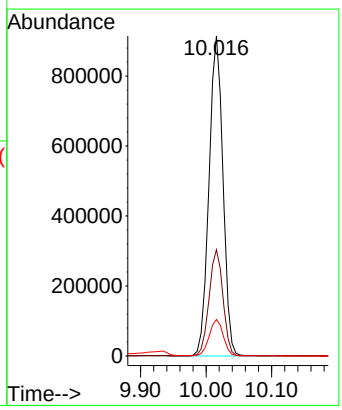
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

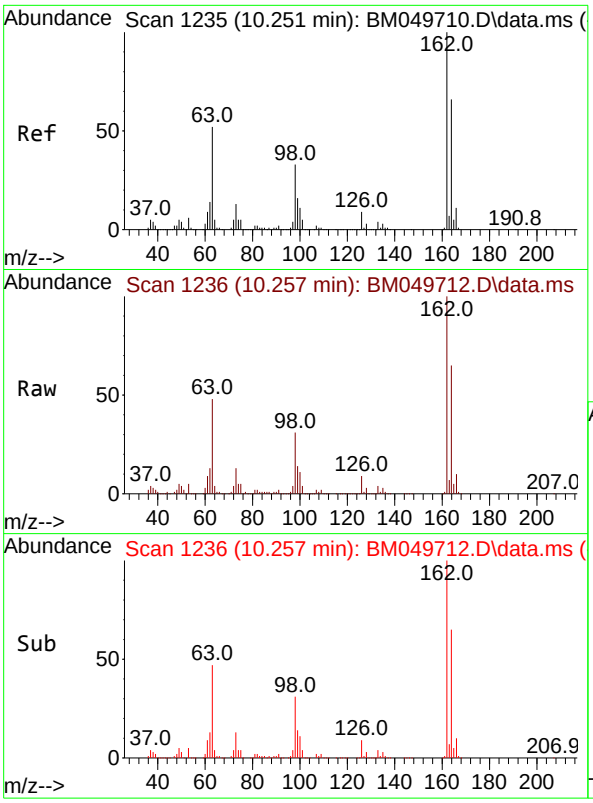


#28
bis(2-Chloroethoxy)methane
Concen: 62.714 ng
RT: 10.016 min Scan# 1195
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 93 Resp: 1353615

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.6	40.0
123	11.4	9.0	13.6

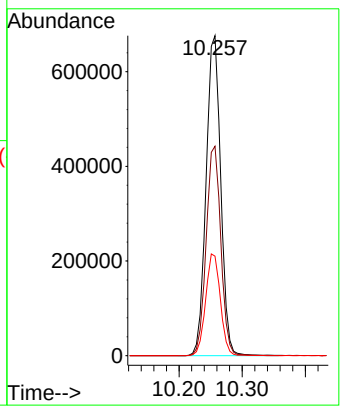




#29
2,4-Dichlorophenol
Concen: 65.322 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:162 Resp: 108529

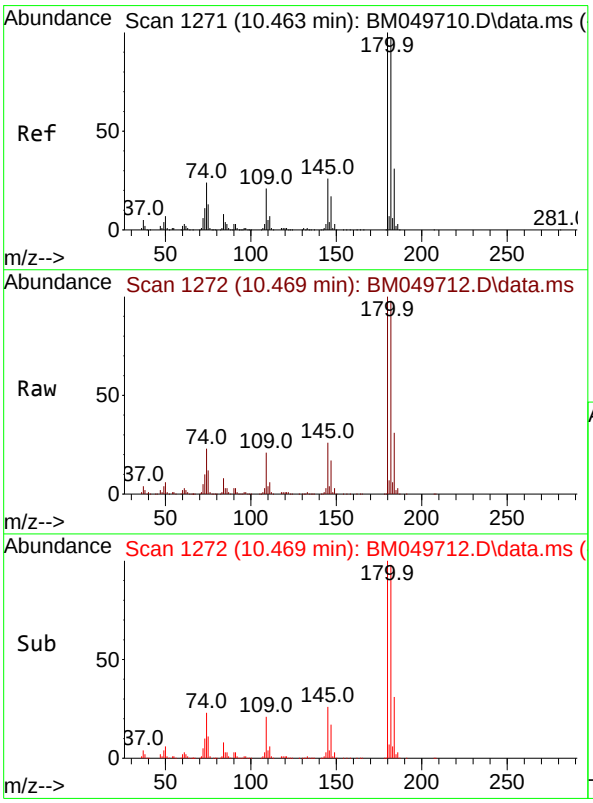
Ion	Ratio	Lower	Upper
162	100		
164	65.5	46.3	86.3
98	31.1	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

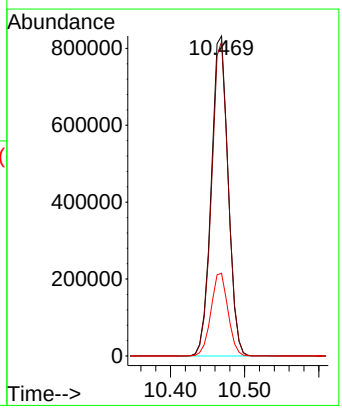
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

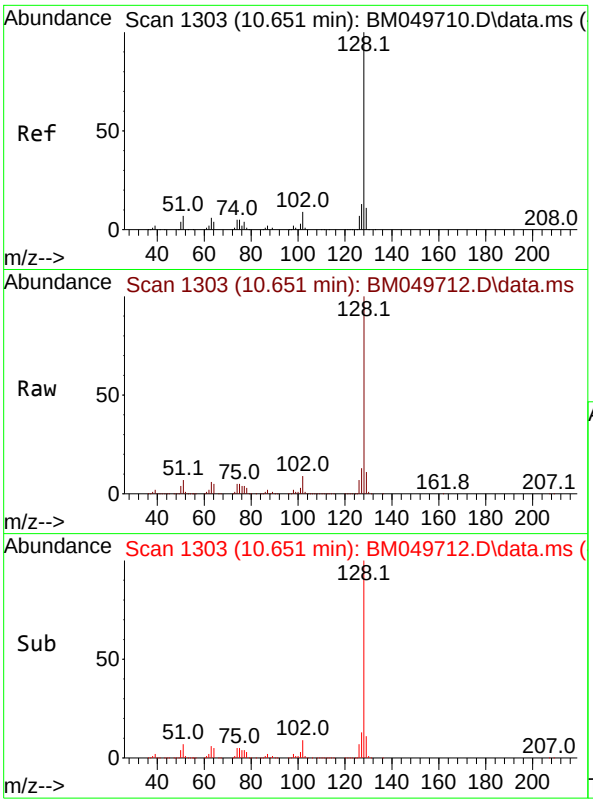


#30
1,2,4-Trichlorobenzene
Concen: 63.227 ng
RT: 10.469 min Scan# 1272
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:180 Resp: 1314305

Ion	Ratio	Lower	Upper
180	100		
182	98.2	77.7	116.5
145	25.8	21.0	31.4

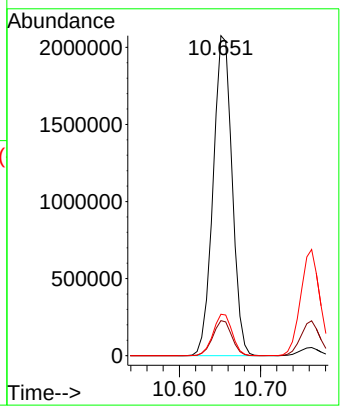




#31
Naphthalene
Concen: 63.997 ng
RT: 10.651 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:128 Resp: 337223

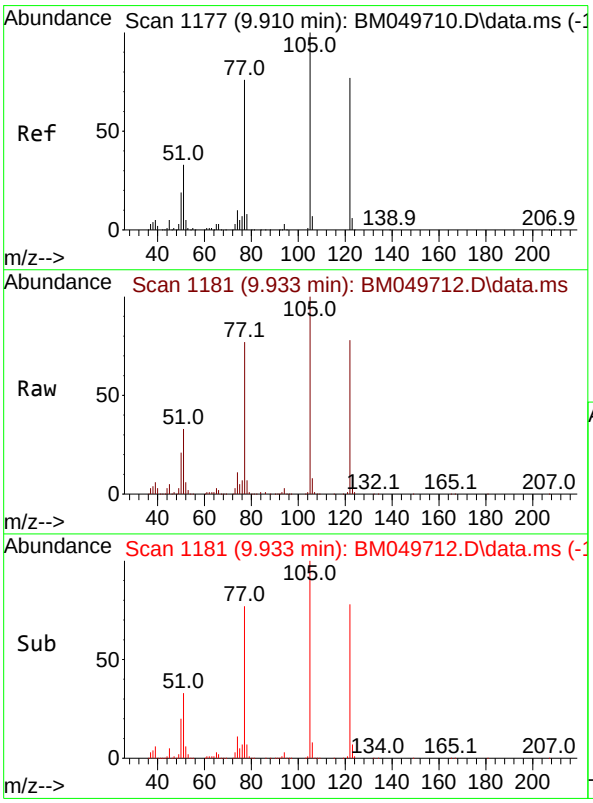
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.0	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

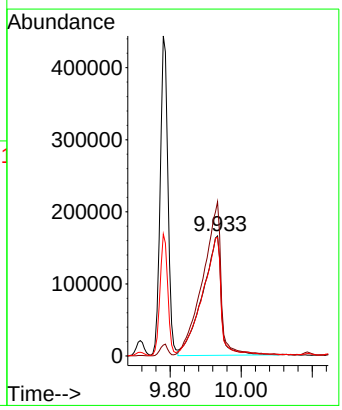
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

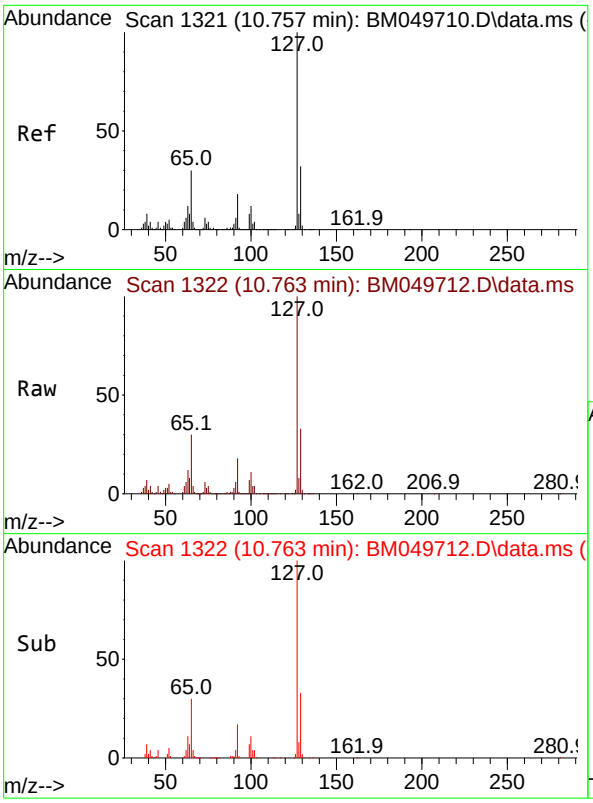


#32
Benzoic acid
Concen: 70.482 ng
RT: 9.933 min Scan# 1181
Delta R.T. 0.023 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:122 Resp: 611385

Ion	Ratio	Lower	Upper
122	100		
105	128.5	105.6	145.6
77	98.8	76.9	116.9

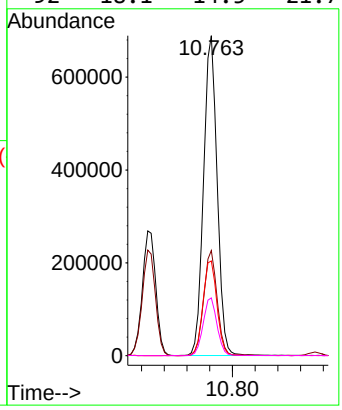




#33
4-Chloroaniline
Concen: 63.446 ng
RT: 10.763 min Scan# 1
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:127 Resp: 114096

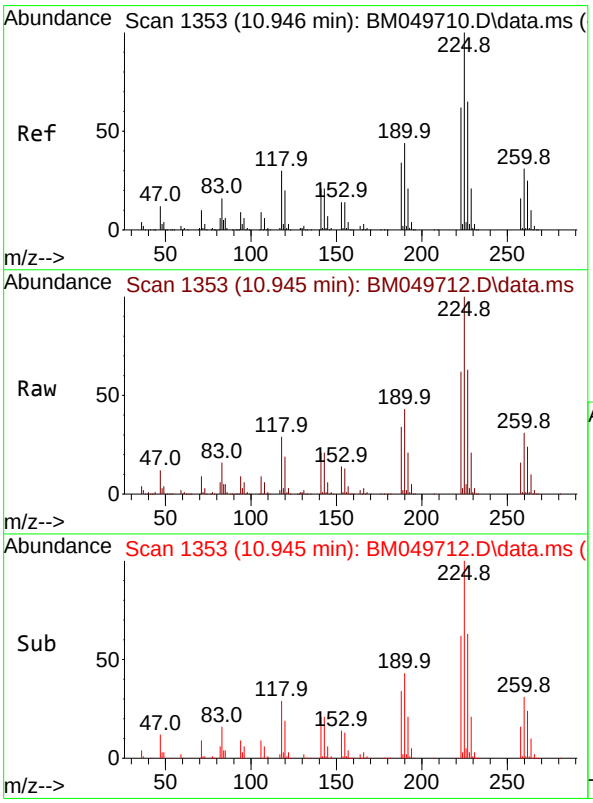
Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.7	38.5
65	29.6	24.1	36.1
92	18.1	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

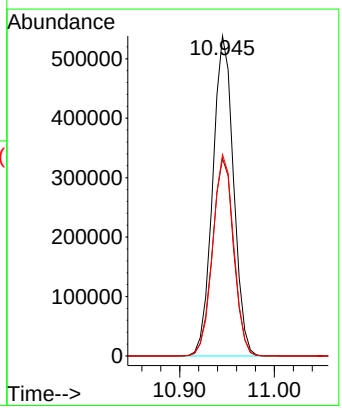
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

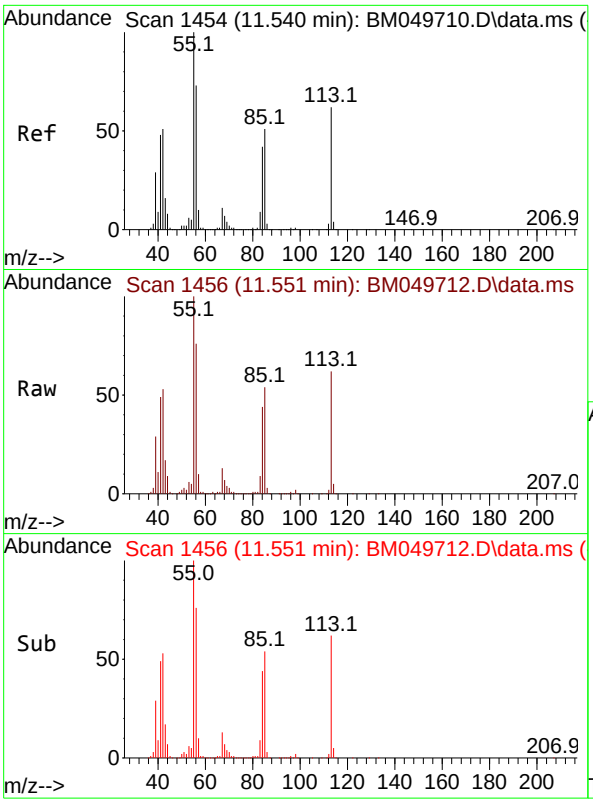


#34
Hexachlorobutadiene
Concen: 63.912 ng
RT: 10.945 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:225 Resp: 820160

Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.8	74.8
227	62.9	52.1	78.1

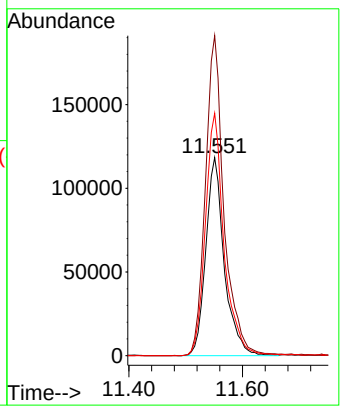




#35
Caprolactam
Concen: 69.264 ng
RT: 11.551 min Scan# 14
Delta R.T. 0.011 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:113 Resp: 26717

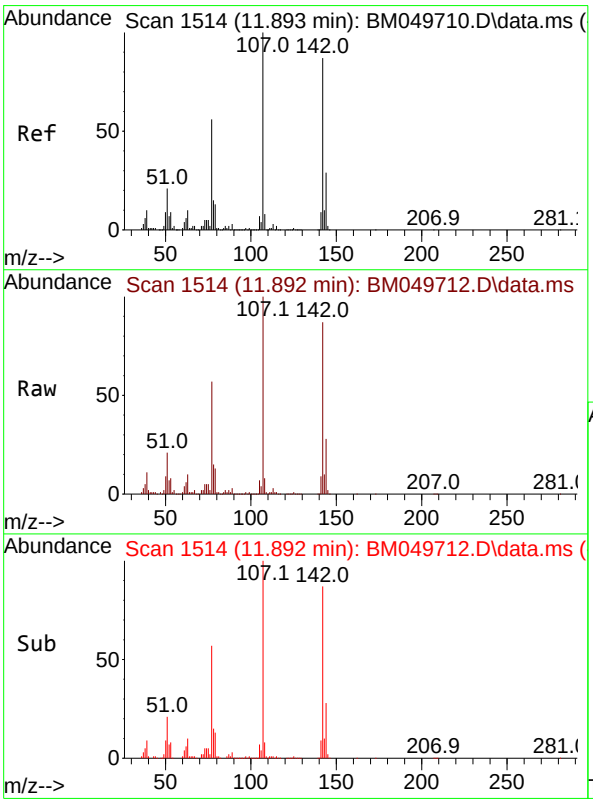
Ion	Ratio	Lower	Upper
113	100		
55	161.5	141.8	181.8
56	122.3	98.0	138.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

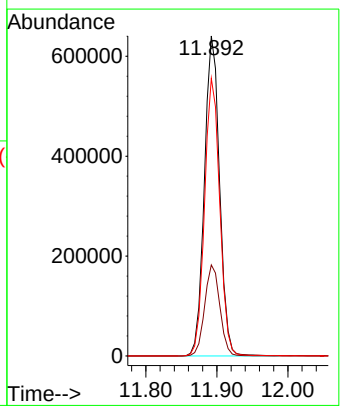
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

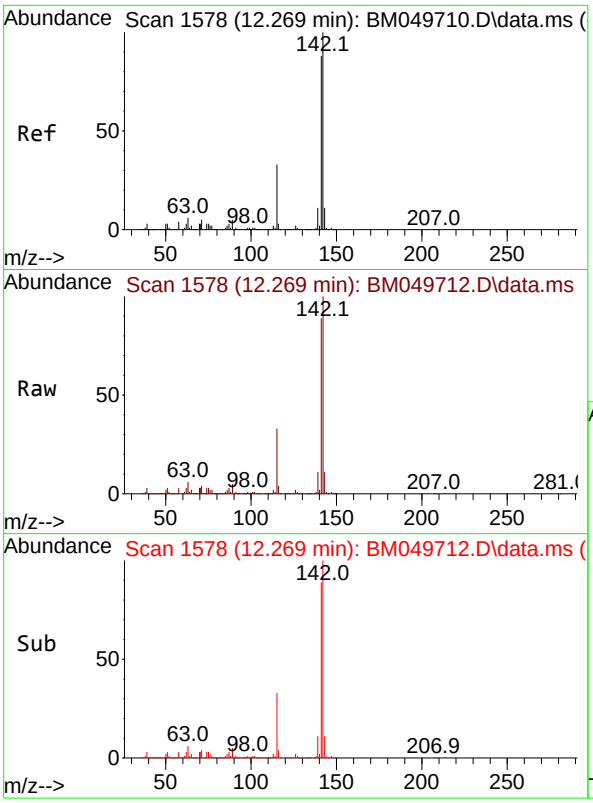


#36
4-Chloro-3-methylphenol
Concen: 66.827 ng
RT: 11.892 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:107 Resp: 952831

Ion	Ratio	Lower	Upper
107	100		
144	28.5	23.0	34.6
142	86.7	69.8	104.8

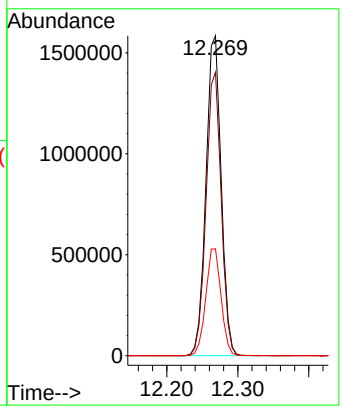




#37
2-Methylnaphthalene
Concen: 64.061 ng
RT: 12.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:142 Resp: 236036

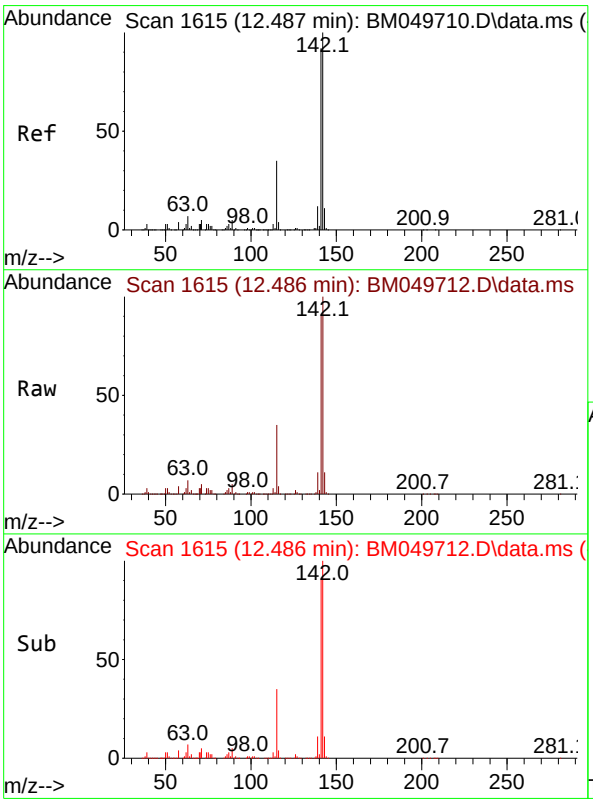
Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.5	105.7
115	33.4	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

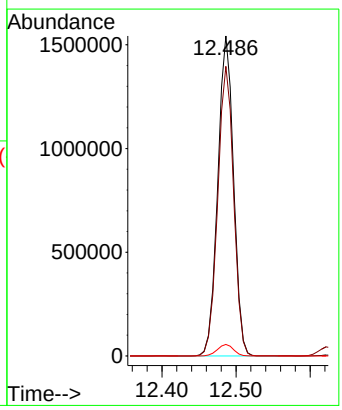
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

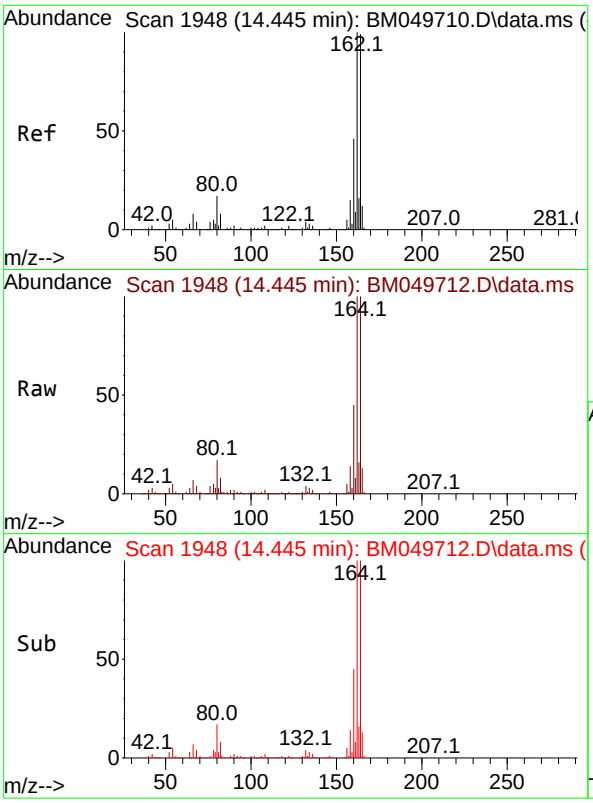


#38
1-Methylnaphthalene
Concen: 64.106 ng
RT: 12.486 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:142 Resp: 2278919

Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.4	110.2
116	3.6	2.8	4.2

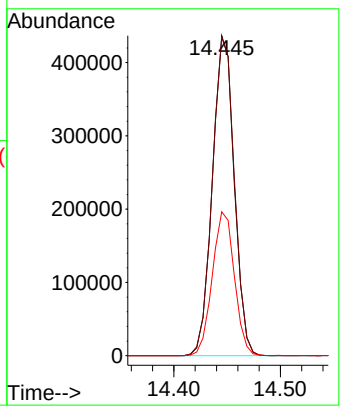




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:164 Resp: 61882

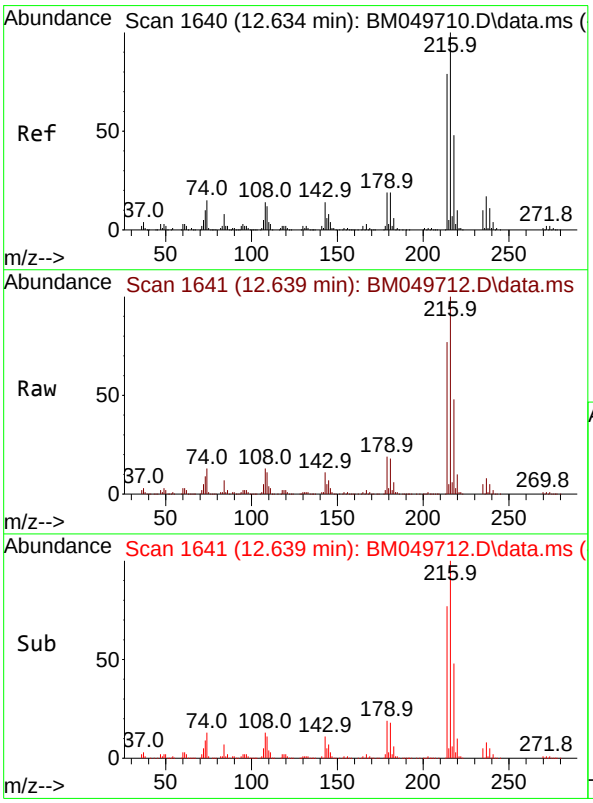
Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.5	120.7
160	44.9	36.9	55.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

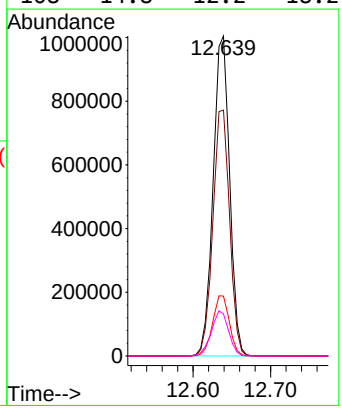
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

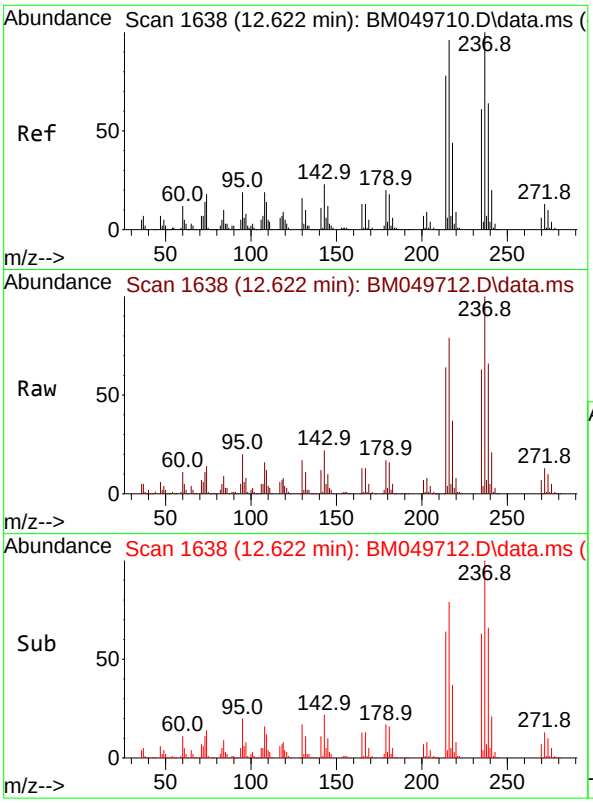


#40
1,2,4,5-Tetrachlorobenzene
Concen: 65.259 ng
RT: 12.639 min Scan# 1641
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:216 Resp: 1483366

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.5	95.3
179	19.1	15.7	23.5
108	14.8	12.2	18.2

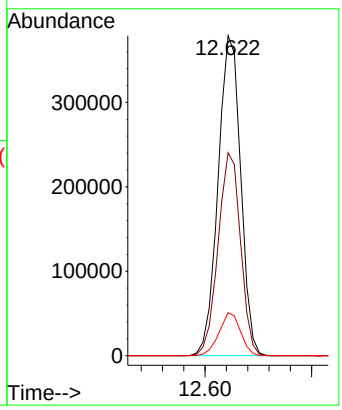




#41
Hexachlorocyclopentadiene
Concen: 66.191 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:237 Resp: 55738

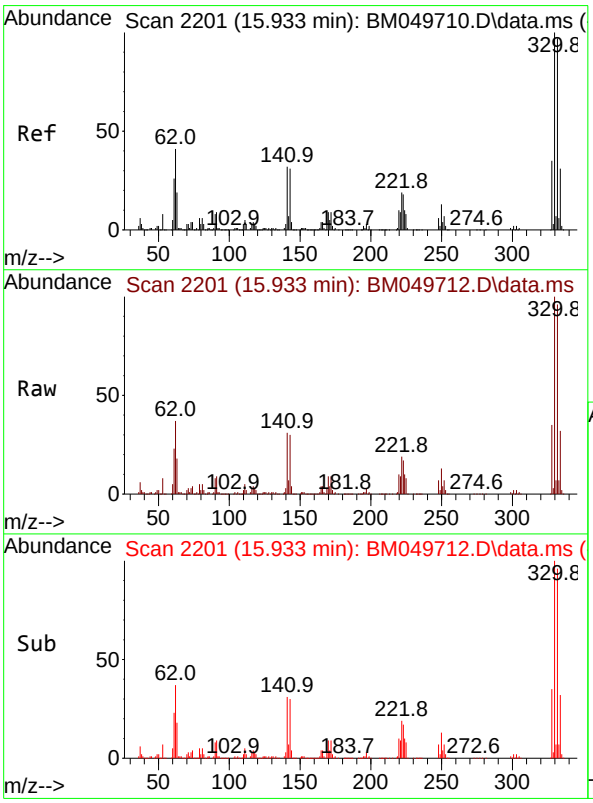
Ion	Ratio	Lower	Upper
237	100		
235	63.4	41.1	81.1
272	13.5	0.0	32.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

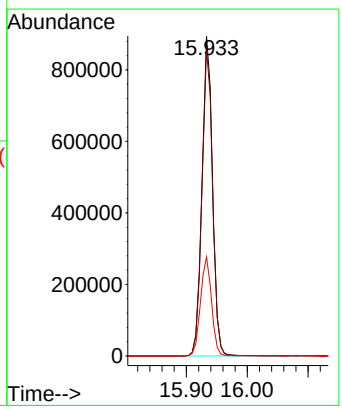
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

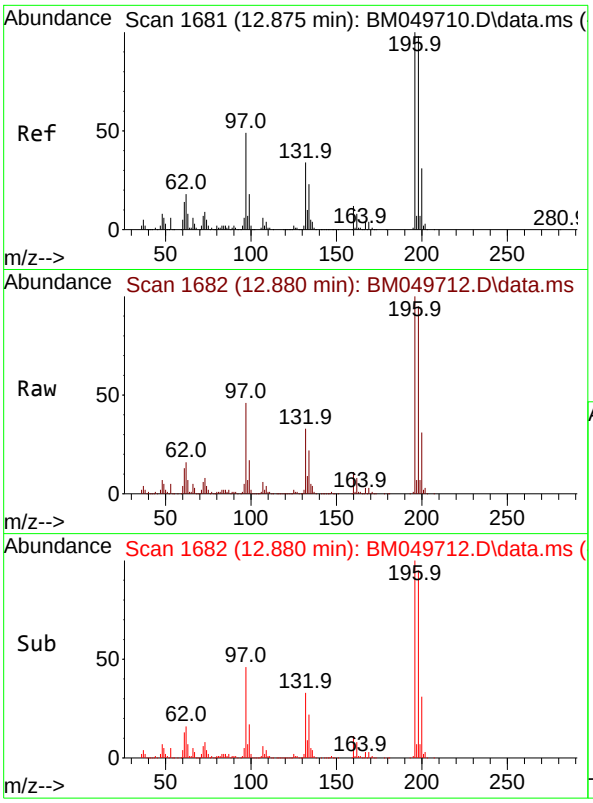


#42
2,4,6-Tribromophenol
Concen: 148.622 ng
RT: 15.933 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:330 Resp: 1073944

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.4
141	32.4	27.8	41.6





#43
2,4,6-Trichlorophenol
Concen: 67.864 ng
RT: 12.880 min Scan# 1
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

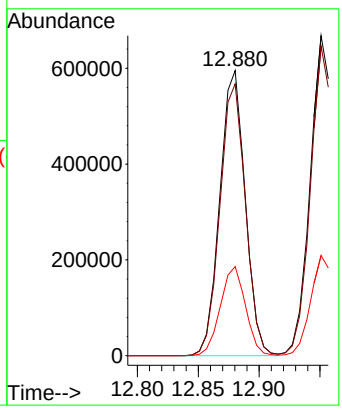
Tgt Ion:196 Resp: 86395

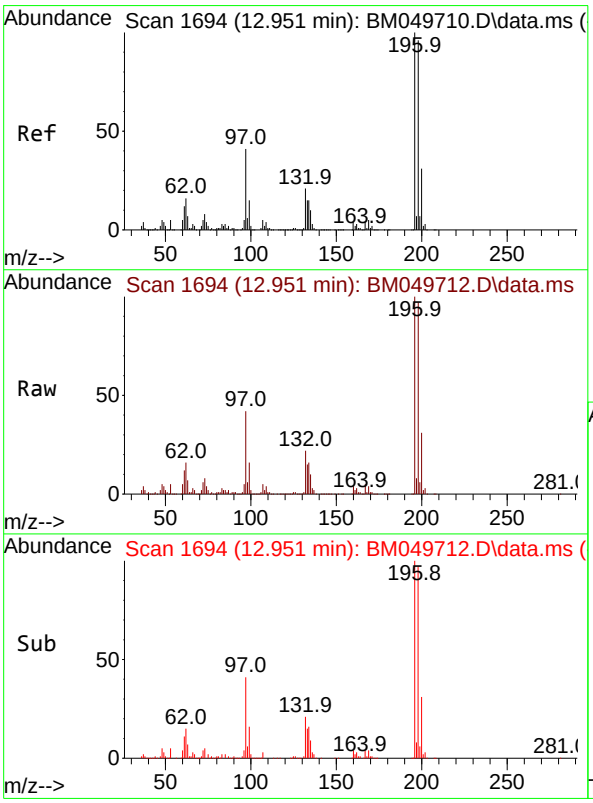
Ion	Ratio	Lower	Upper
196	100		
198	95.4	78.3	117.5
200	31.3	25.1	37.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

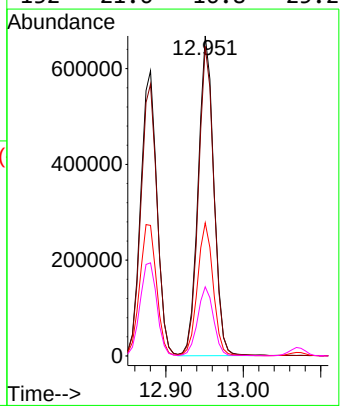


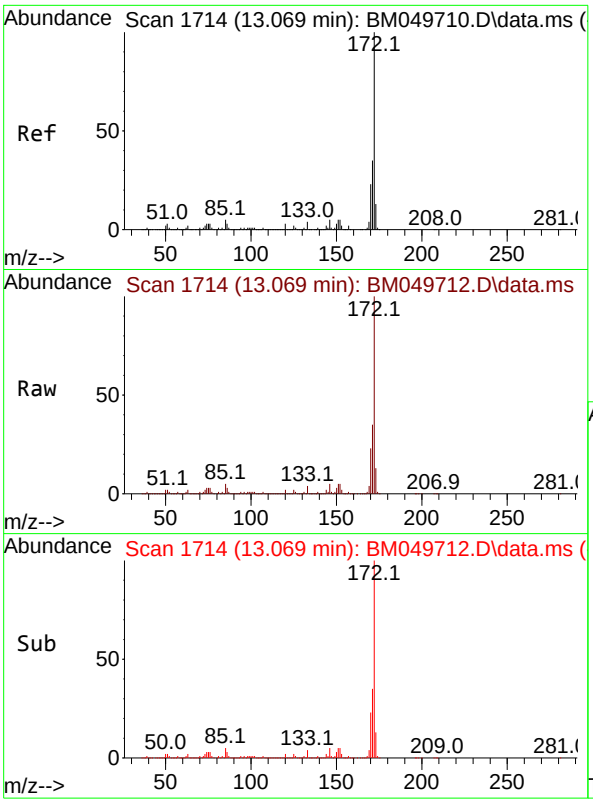


#44
2,4,5-Trichlorophenol
Concen: 67.377 ng
RT: 12.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:196 Resp: 936029

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.7	115.1
97	41.6	32.9	49.3
132	21.6	16.8	25.2

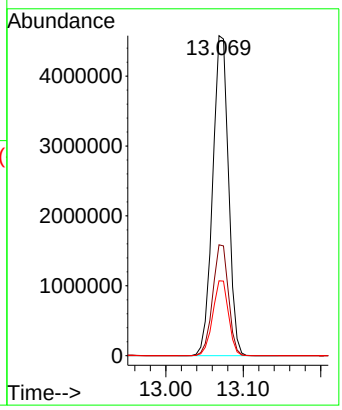




#45
2-Fluorobiphenyl
Concen: 131.059 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:172 Resp: 647586

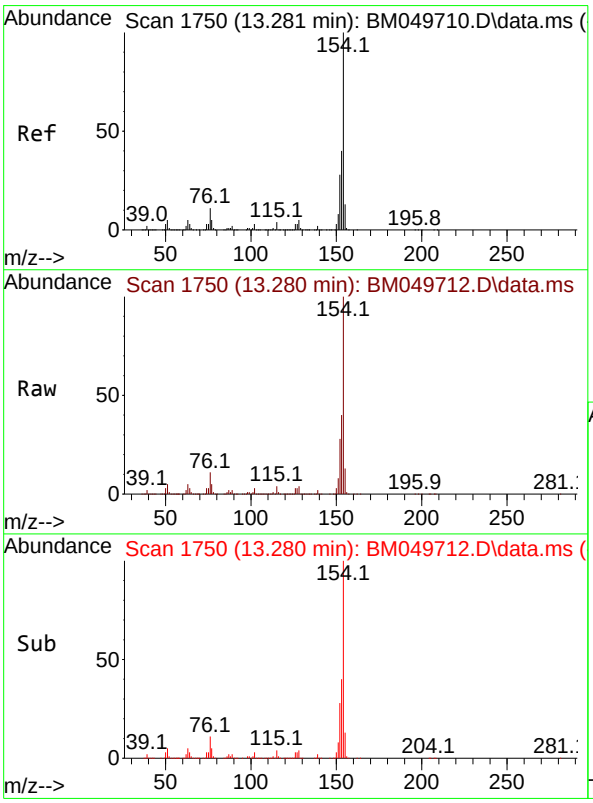
Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.9	41.9
170	23.4	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

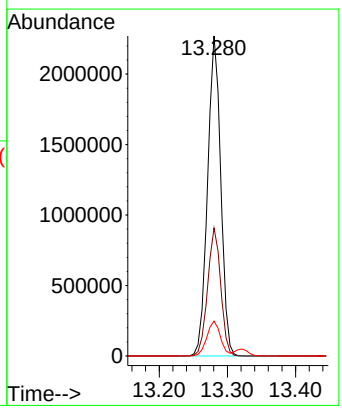
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

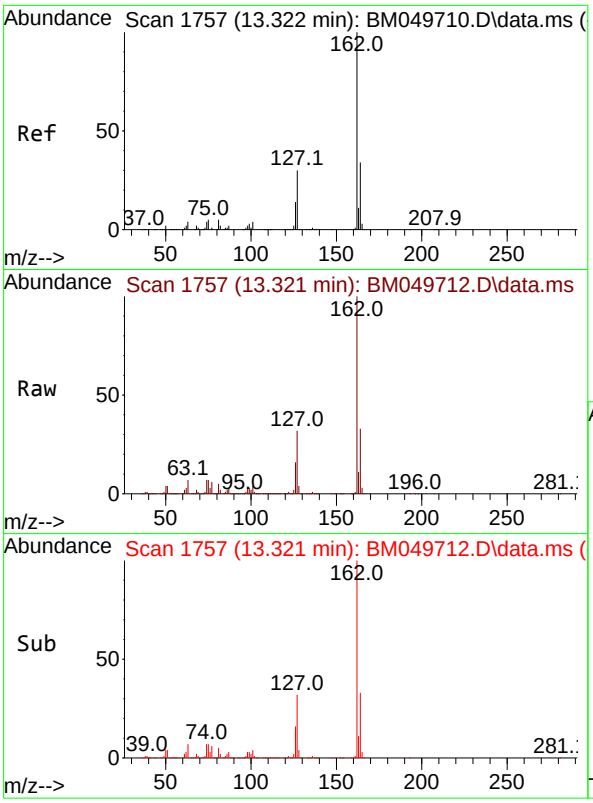


#46
1,1'-Biphenyl
Concen: 63.921 ng
RT: 13.280 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:154 Resp: 3048618

Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.7	59.7
76	10.9	0.0	31.2

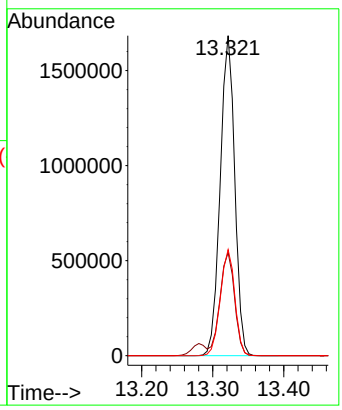




#47
2-Chloronaphthalene
Concen: 64.138 ng
RT: 13.321 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:162 Resp: 238100

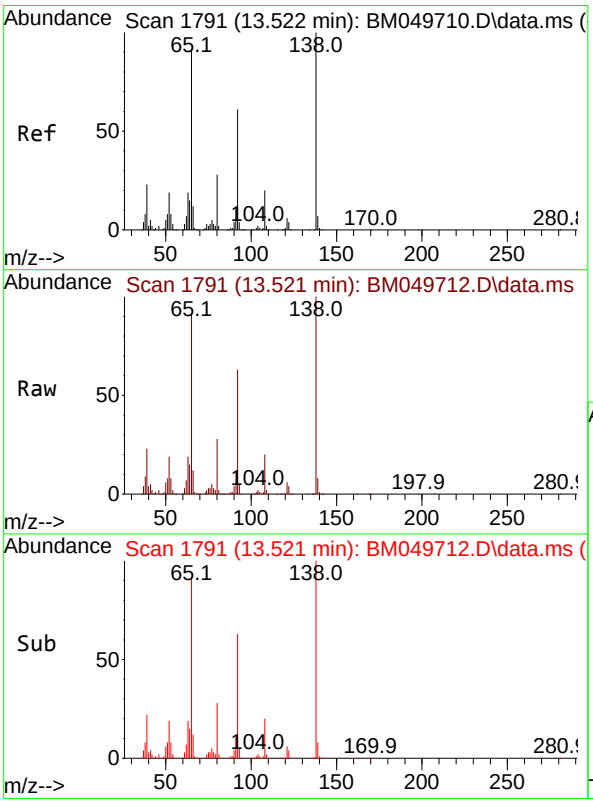
Ion	Ratio	Lower	Upper
162	100		
127	32.2	25.8	38.6
164	33.2	27.1	40.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

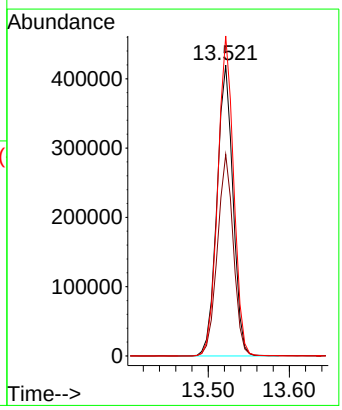
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

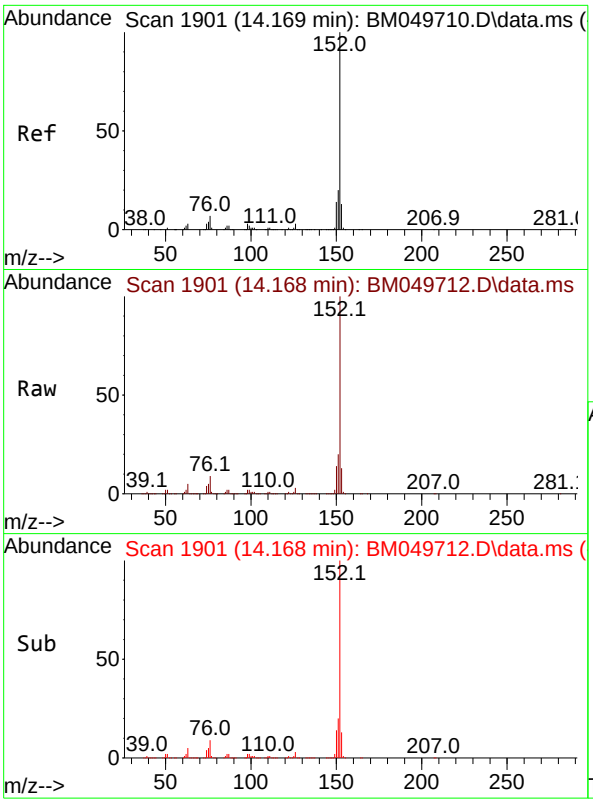


#48
2-Nitroaniline
Concen: 69.424 ng
RT: 13.521 min Scan# 1791
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion: 65 Resp: 578552

Ion	Ratio	Lower	Upper
65	100		
92	69.3	53.4	80.2
138	110.0	87.6	131.4

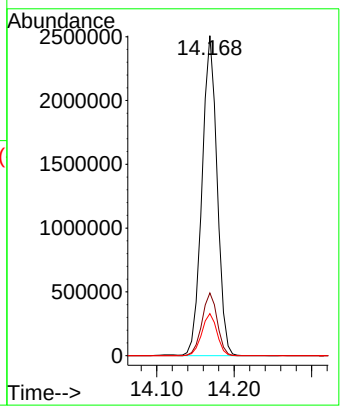




#49
Acenaphthylene
Concen: 65.227 ng
RT: 14.168 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:152 Resp: 338459

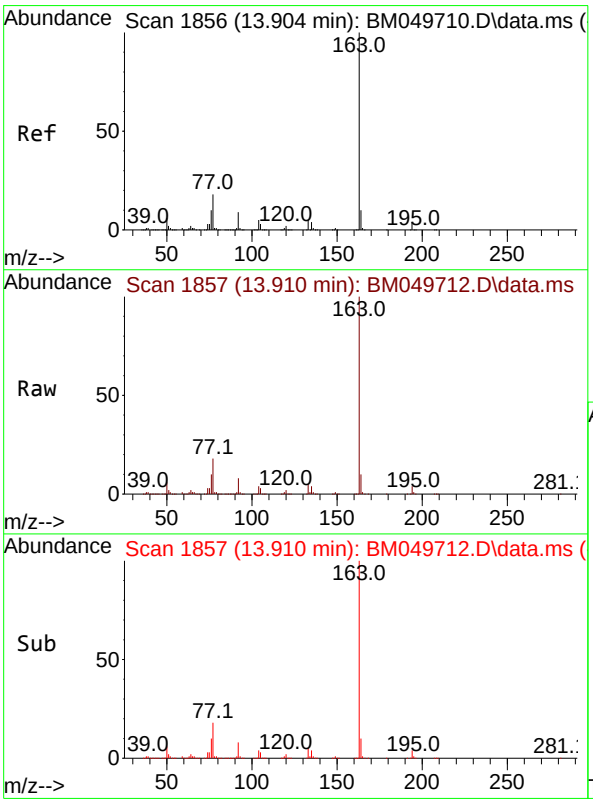
Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.1	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

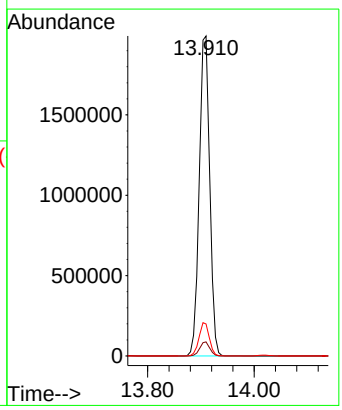
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

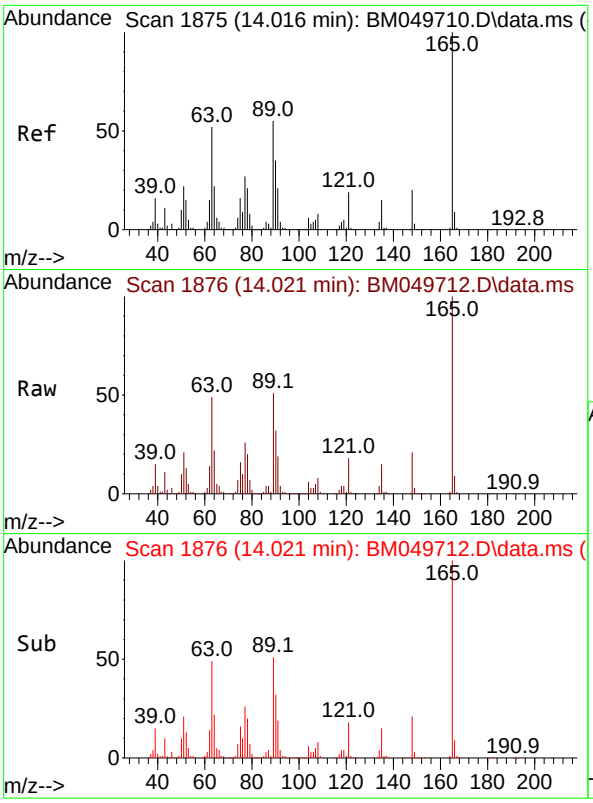


#50
Dimethylphthalate
Concen: 63.771 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:163 Resp: 2716983

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.0	8.2	12.2

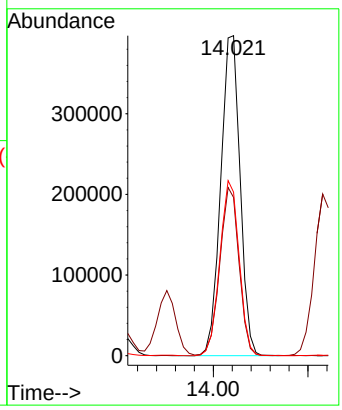




#51
2,6-Dinitrotoluene
Concen: 66.034 ng
RT: 14.021 min Scan# 1
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:165 Resp: 56372

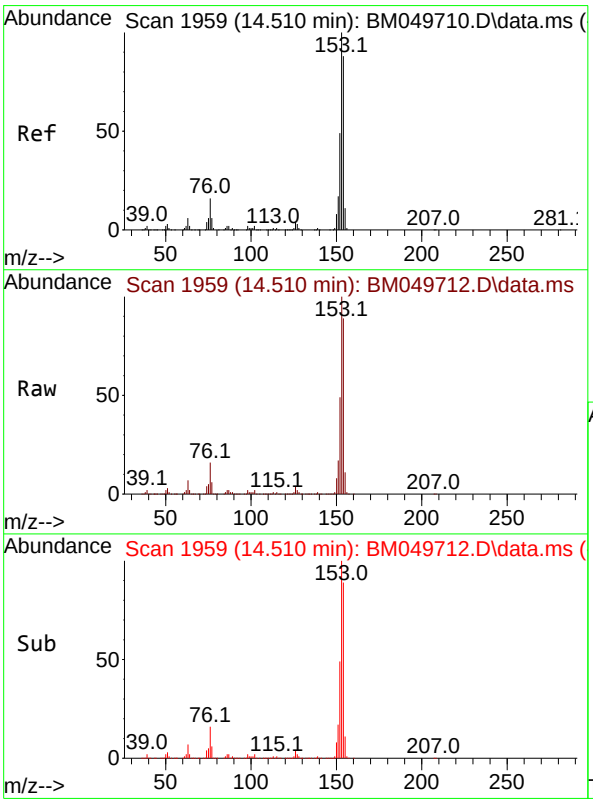
Ion	Ratio	Lower	Upper
165	100		
63	49.5	42.3	63.5
89	51.1	43.9	65.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

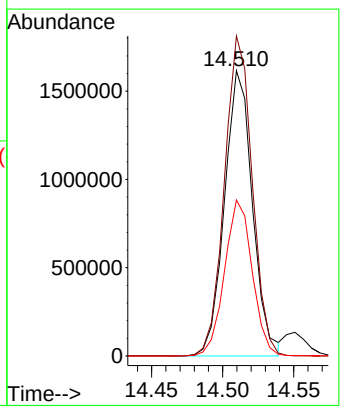
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

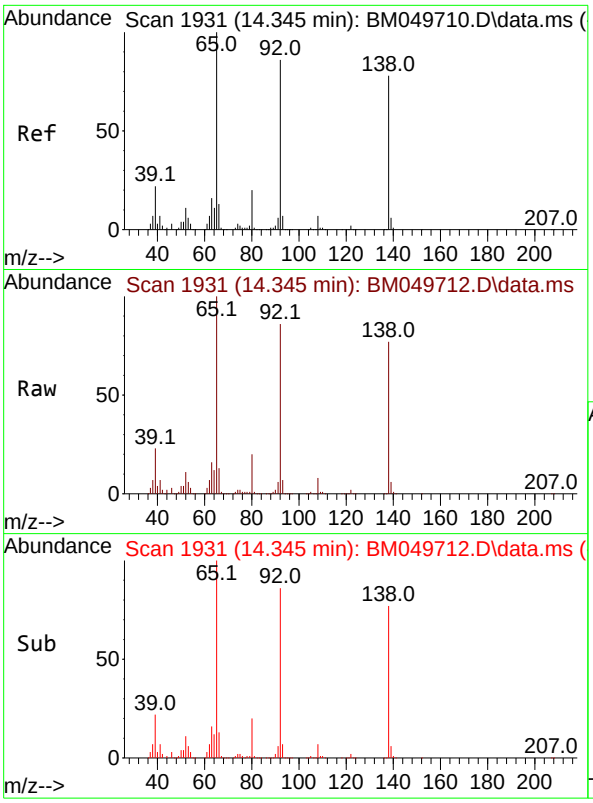


#52
Acenaphthene
Concen: 65.221 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:154 Resp: 2217160

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.4	135.6
152	54.7	44.2	66.2





#53
3-Nitroaniline
Concen: 68.488 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

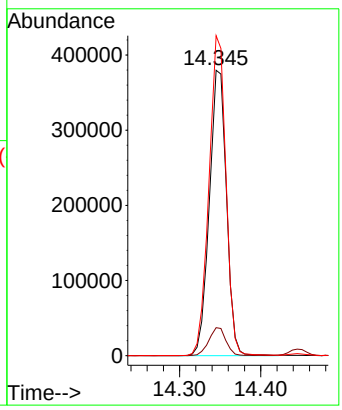
Tgt Ion:138 Resp: 55637

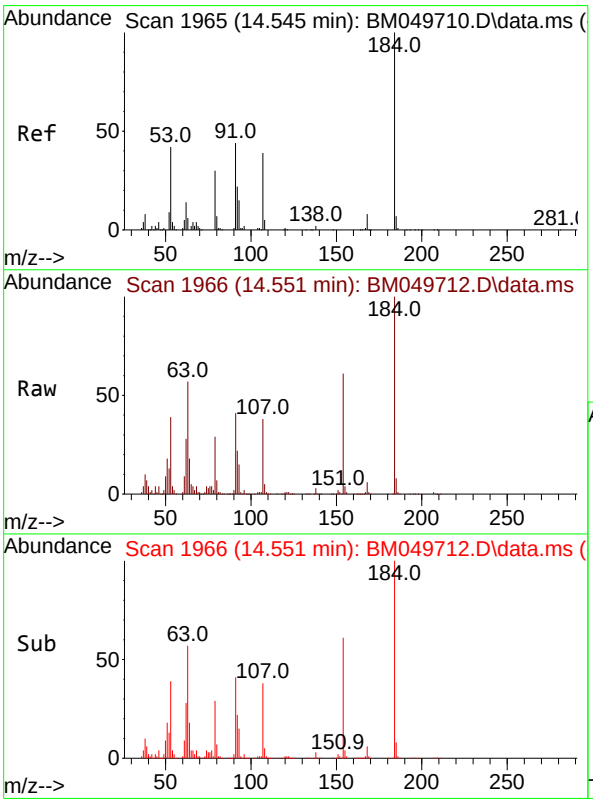
Ion	Ratio	Lower	Upper
138	100		
108	9.8	7.5	11.3
92	112.1	88.0	132.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

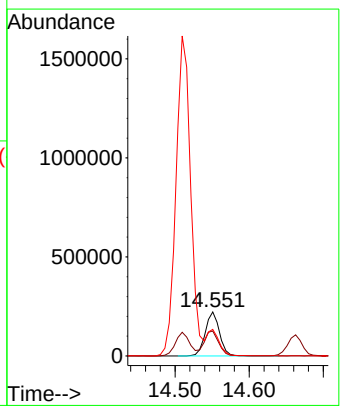


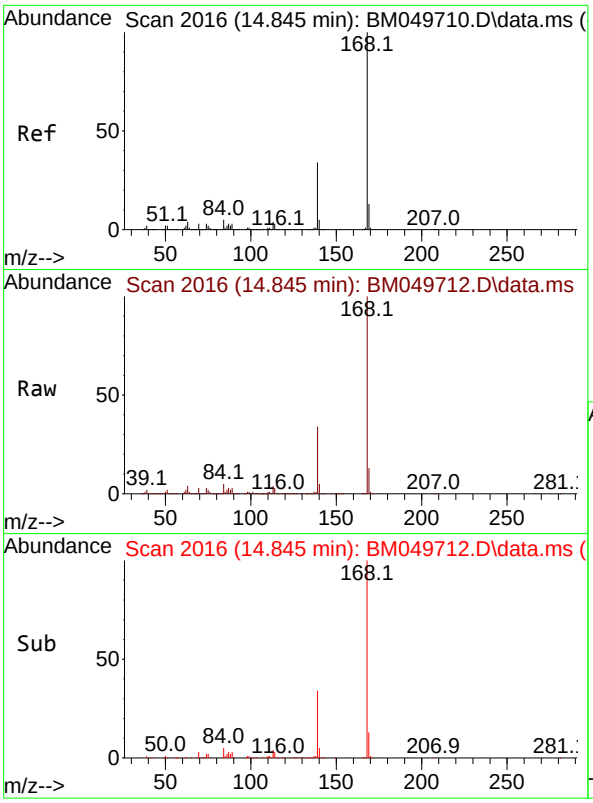


#54
2,4-Dinitrophenol
Concen: 60.822 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.006 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:184 Resp: 295154

Ion	Ratio	Lower	Upper
184	100		
63	56.9	47.2	70.8
154	60.6	49.9	74.9





#55
Dibenzofuran
Concen: 64.040 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

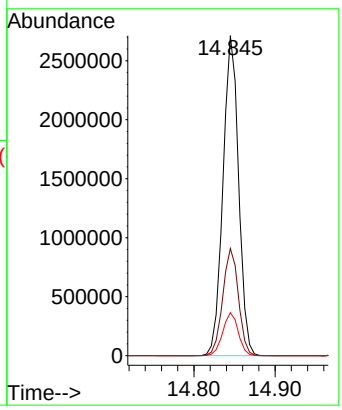
Tgt Ion:168 Resp: 363203

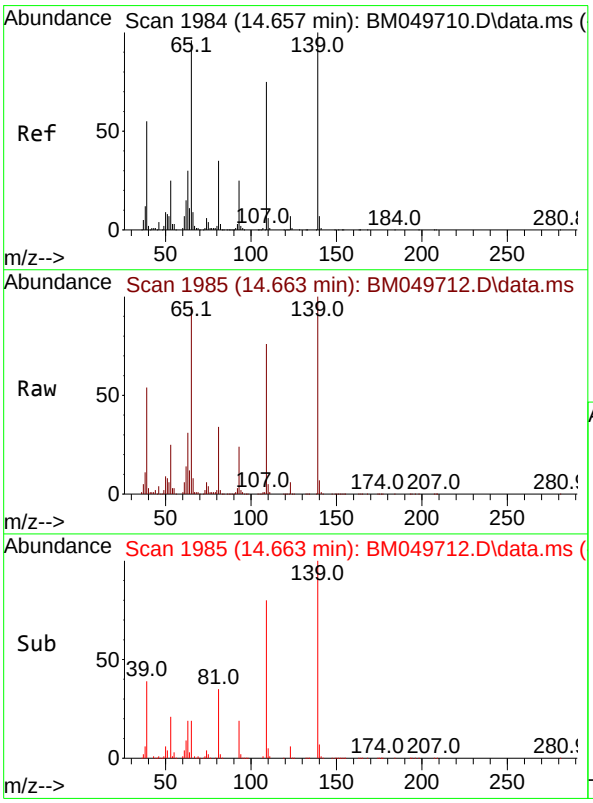
Ion	Ratio	Lower	Upper
168	100		
139	33.5	27.4	41.0
169	13.4	10.7	16.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

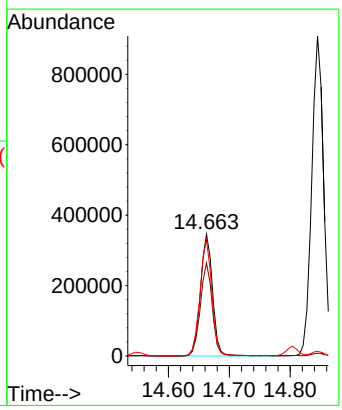


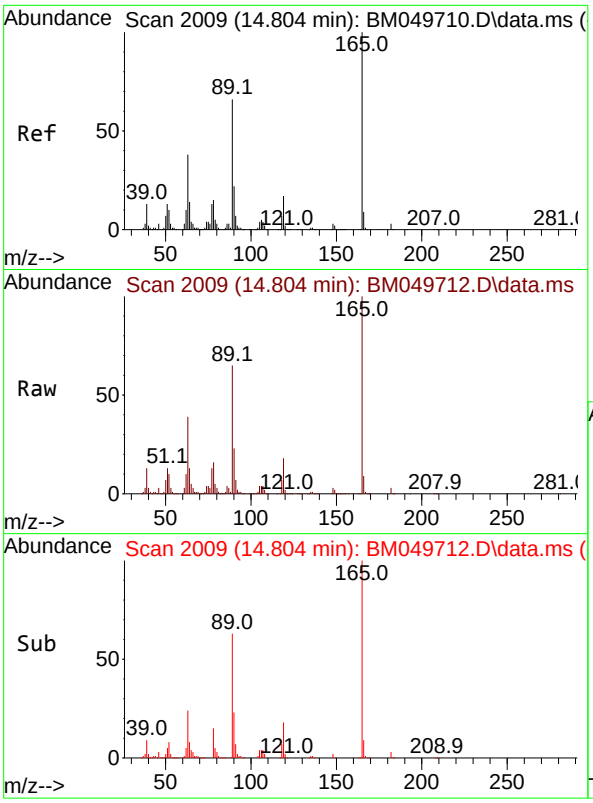


#56
4-Nitrophenol
Concen: 67.524 ng
RT: 14.663 min Scan# 1985
Delta R.T. 0.006 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:139 Resp: 477486

Ion	Ratio	Lower	Upper
139	100		
109	76.2	54.7	94.7
65	95.3	76.2	116.2

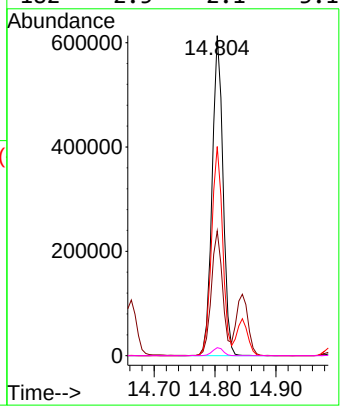




#57
2,4-Dinitrotoluene
Concen: 69.539 ng
RT: 14.804 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:165 Resp: 76389

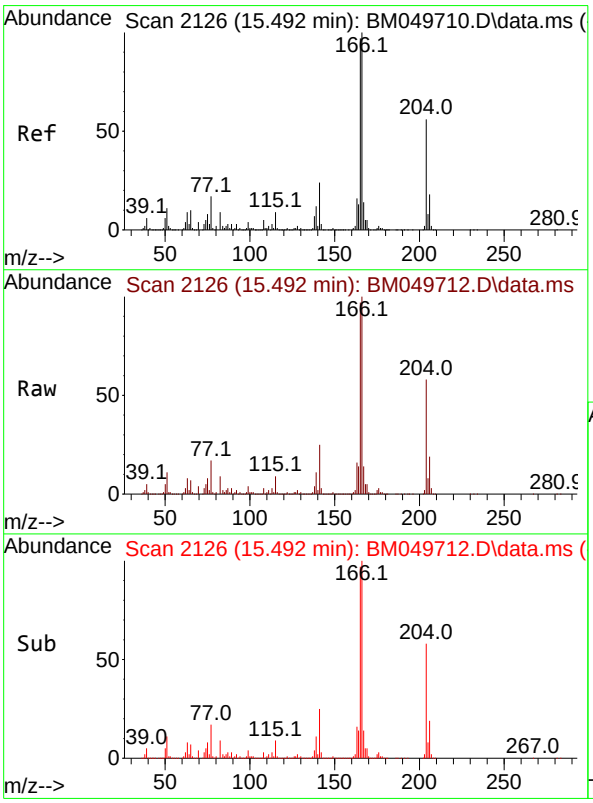
Ion	Ratio	Lower	Upper
165	100		
63	39.0	30.8	46.2
89	65.4	53.1	79.7
182	2.5	2.1	3.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

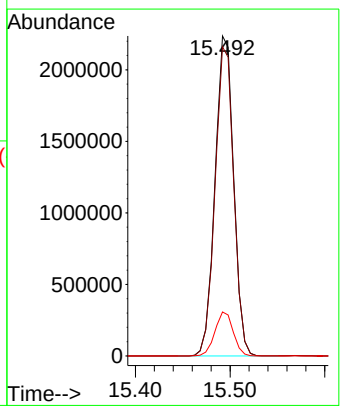
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

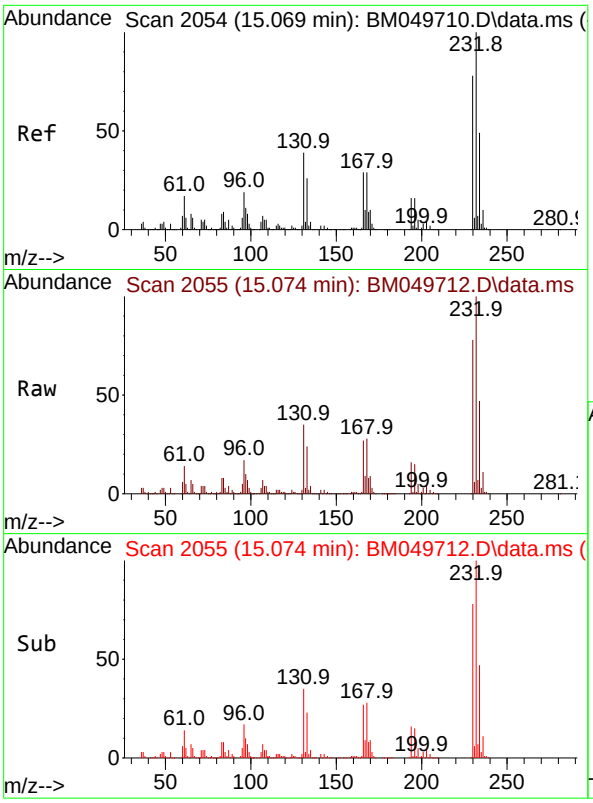


#58
Fluorene
Concen: 66.168 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:166 Resp: 3055405

Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.5	116.3
167	13.8	10.9	16.3

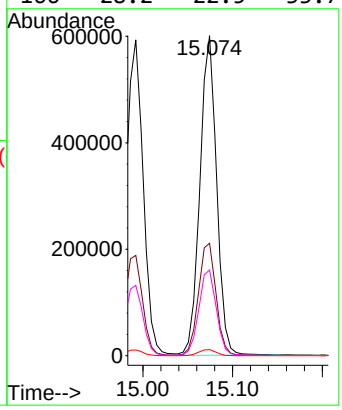




#59
2,3,4,6-Tetrachlorophenol
Concen: 66.821 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:232 Resp: 77706

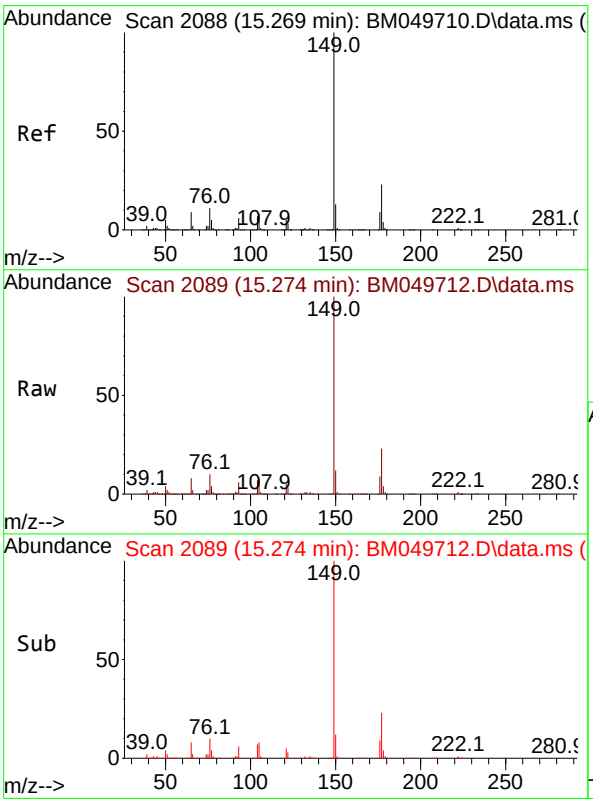
Ion	Ratio	Lower	Upper
232	100		
131	37.2	30.0	45.0
130	2.1	1.6	2.4
166	28.2	22.5	33.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

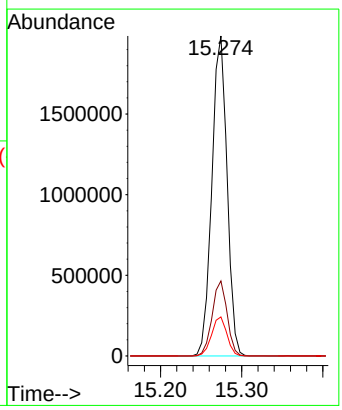
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

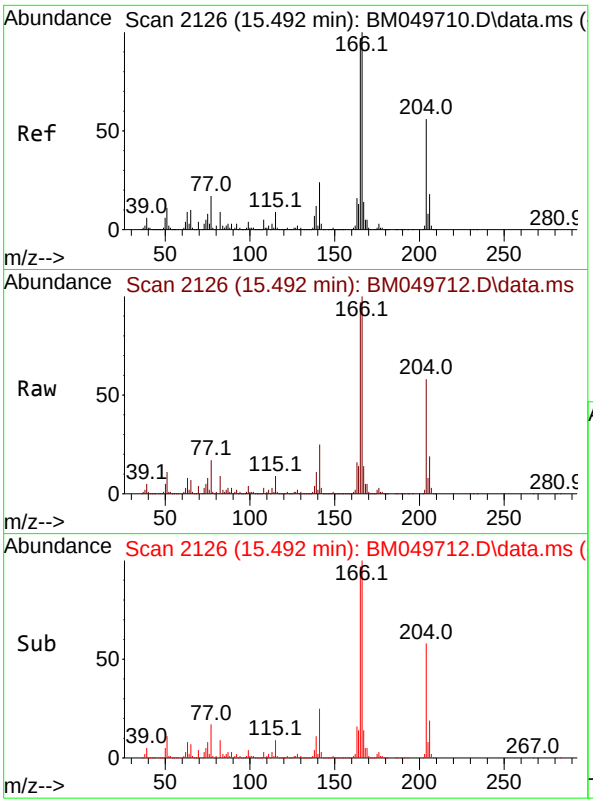


#60
Diethylphthalate
Concen: 64.207 ng
RT: 15.274 min Scan# 2089
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:149 Resp: 2576429

Ion	Ratio	Lower	Upper
149	100		
177	23.5	18.2	27.2
150	12.2	10.0	15.0

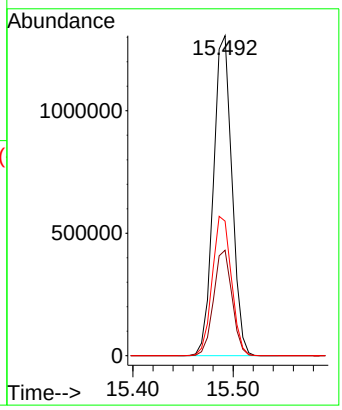




#61
4-Chlorophenyl-phenylether
Concen: 66.402 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:204 Resp: 167435

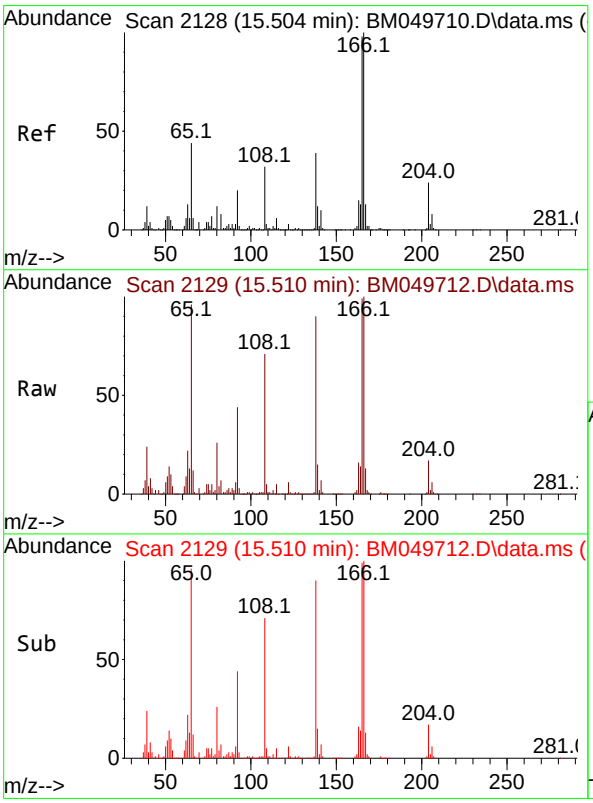
Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.2	37.8
141	42.1	34.5	51.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

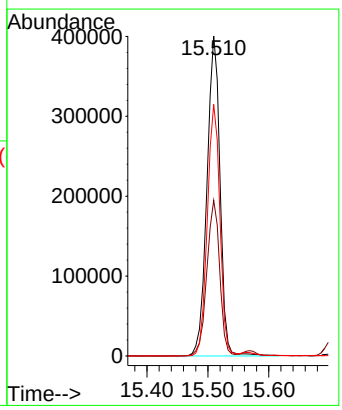
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

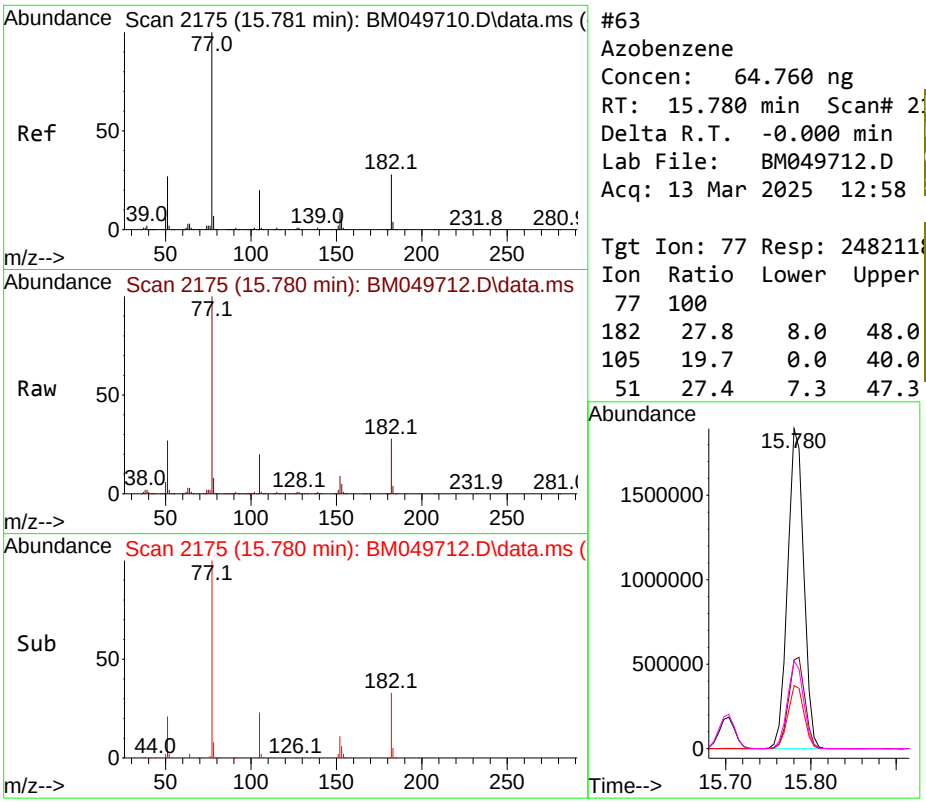


#62
4-Nitroaniline
Concen: 60.865 ng
RT: 15.510 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:138 Resp: 598859

Ion	Ratio	Lower	Upper
138	100		
92	48.6	29.8	69.8
108	78.6	61.3	101.3





#63
Azobenzene
Concen: 64.760 ng
RT: 15.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

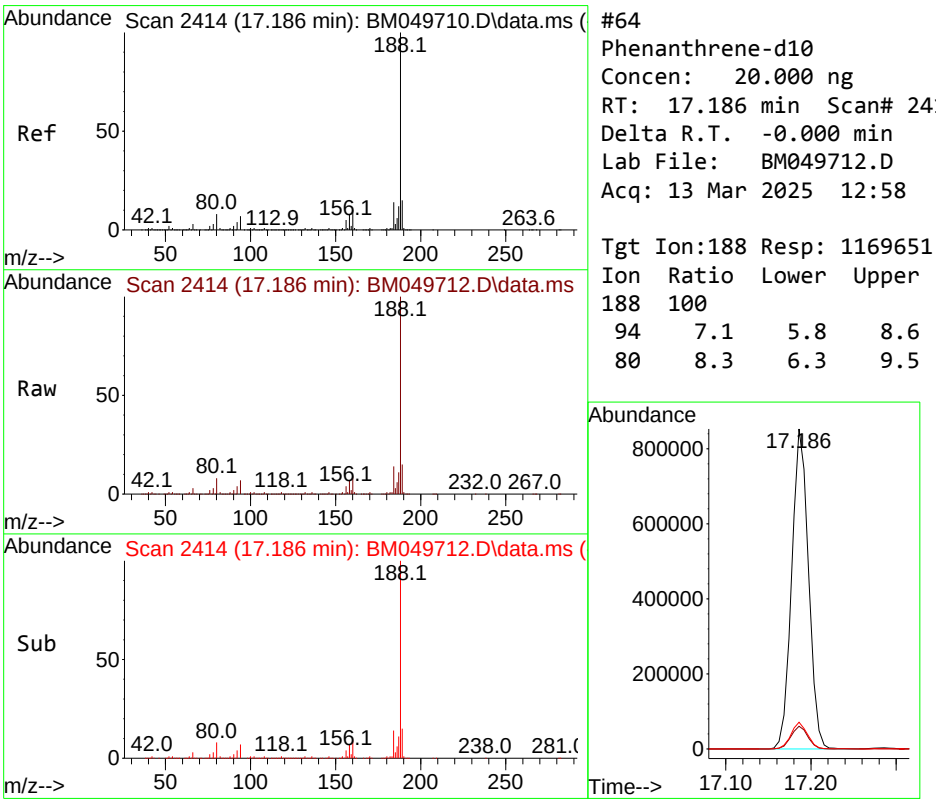
Tgt Ion: 77 Resp: 248211

Ion	Ratio	Lower	Upper
77	100		
182	27.8	8.0	48.0
105	19.7	0.0	40.0
51	27.4	7.3	47.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

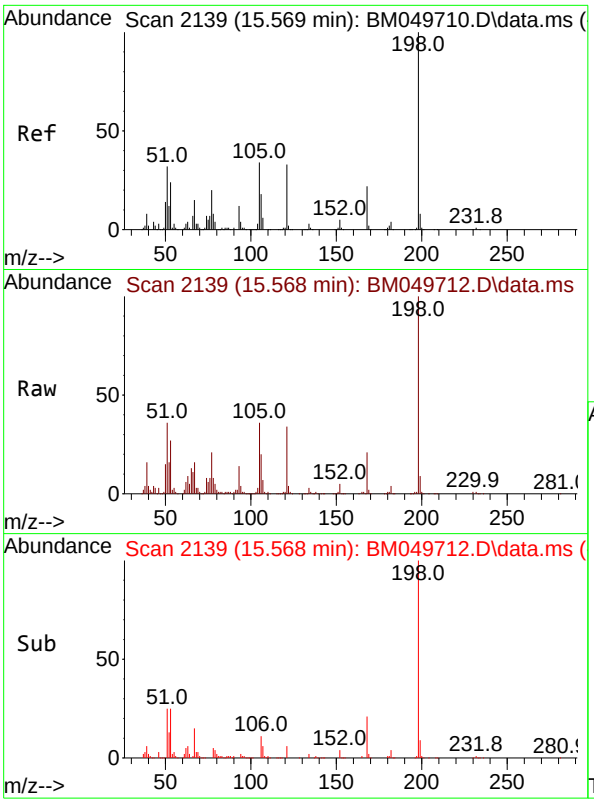
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:188 Resp: 1169651

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.8	8.6
80	8.3	6.3	9.5



#65
4,6-Dinitro-2-methylphenol
Concen: 61.103 ng
RT: 15.568 min Scan# 21
Delta R.T. -0.001 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

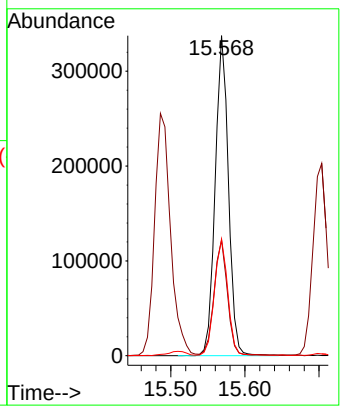
Tgt Ion:198 Resp: 41799

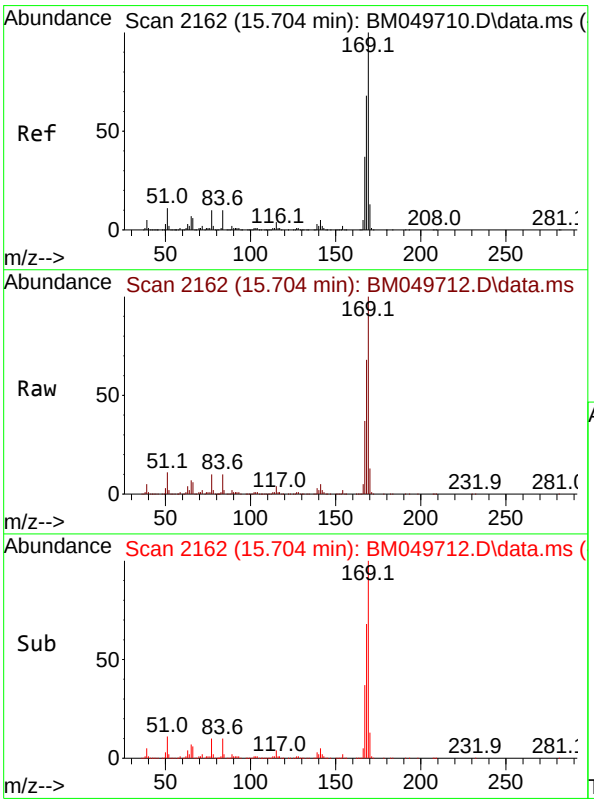
Ion	Ratio	Lower	Upper
198	100		
51	36.1	13.8	53.8
105	36.4	14.0	54.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

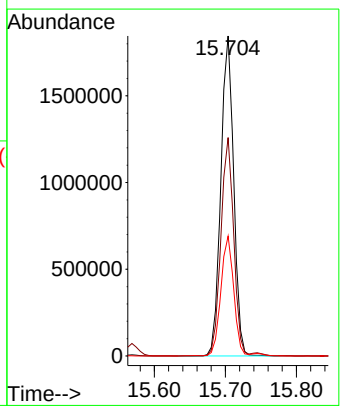


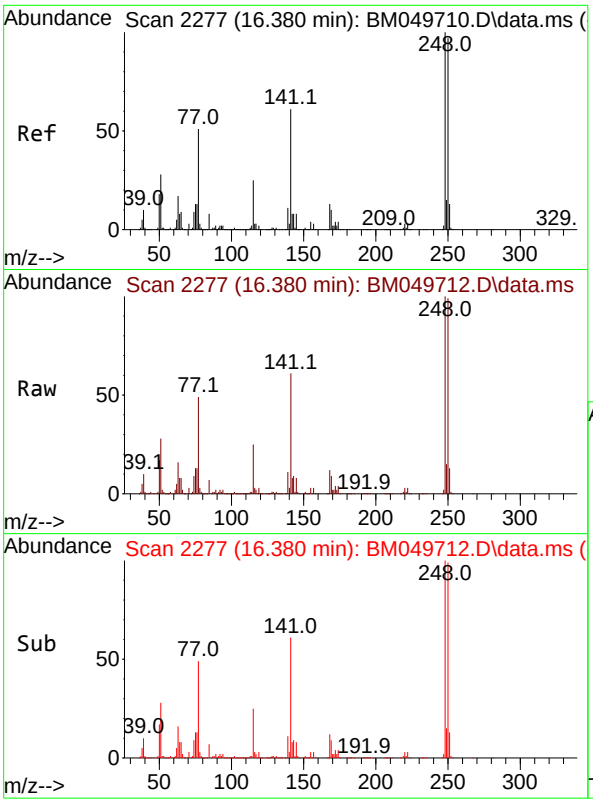


#66
n-Nitrosodiphenylamine
Concen: 64.980 ng
RT: 15.704 min Scan# 2162
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:169 Resp: 2302780

Ion	Ratio	Lower	Upper
169	100		
168	68.3	54.8	82.2
167	37.4	29.9	44.9

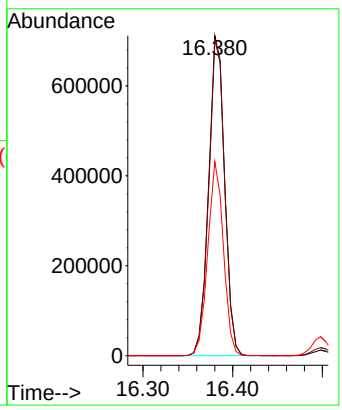




#67
4-Bromophenyl-phenylether
Concen: 65.299 ng
RT: 16.380 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:248 Resp: 88181

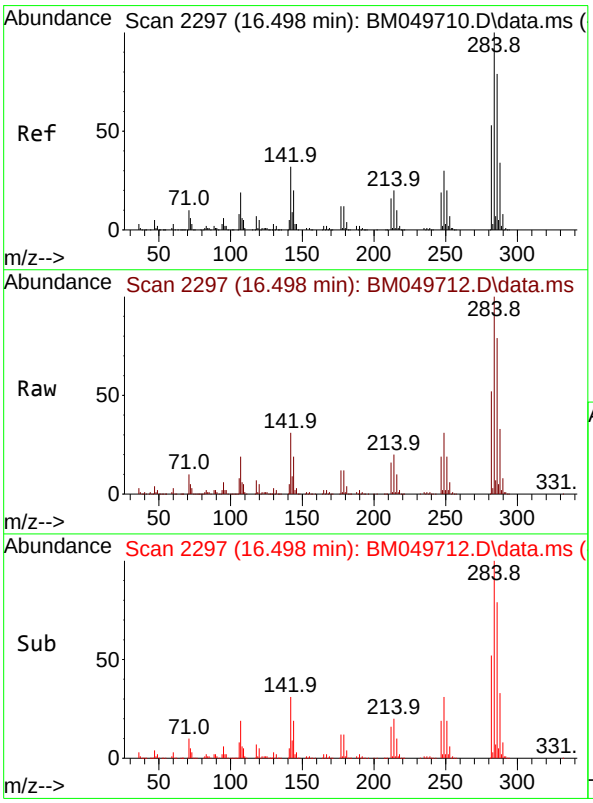
Ion	Ratio	Lower	Upper
248	100		
250	98.8	77.9	116.9
141	60.7	48.6	73.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

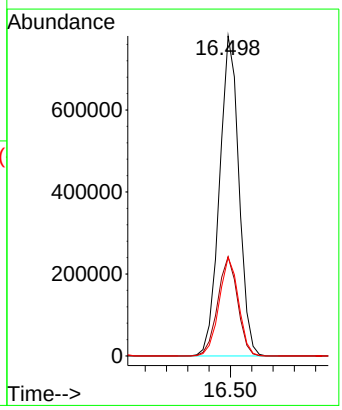
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

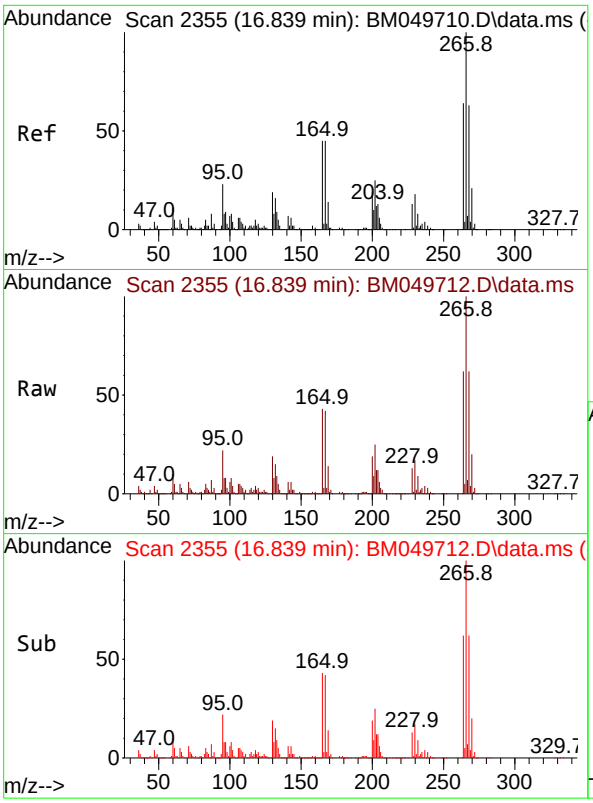


#68
Hexachlorobenzene
Concen: 64.964 ng
RT: 16.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:284 Resp: 986543

Ion	Ratio	Lower	Upper
284	100		
142	31.0	25.5	38.3
249	30.9	24.2	36.2

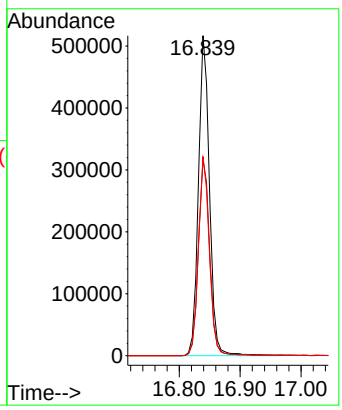




#70
Pentachlorophenol
Concen: 67.839 ng
RT: 16.839 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:266 Resp: 64740

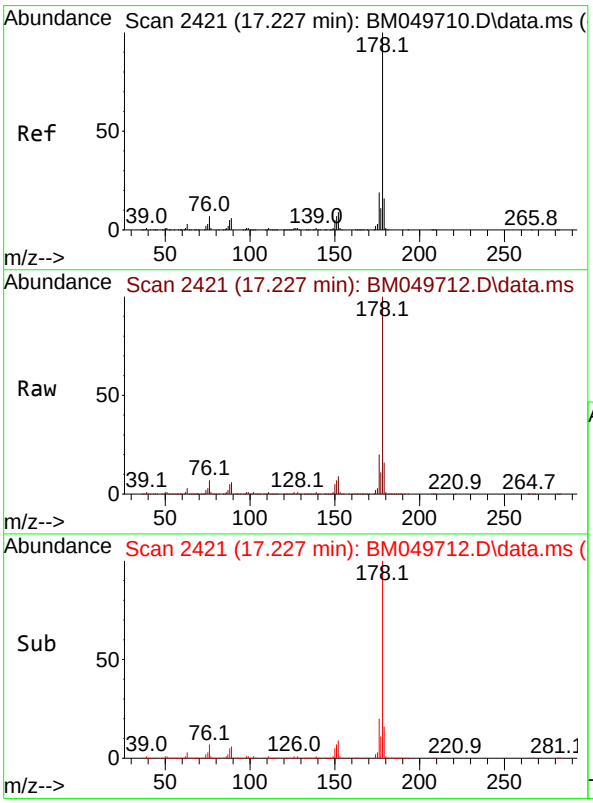
Ion	Ratio	Lower	Upper
266	100		
268	61.5	50.2	75.2
264	62.3	51.3	76.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

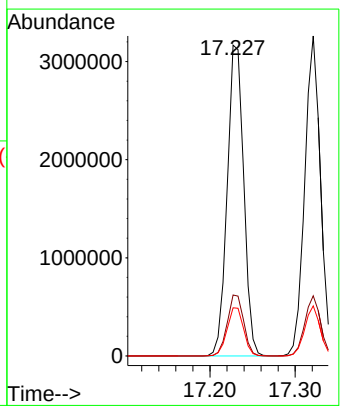
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

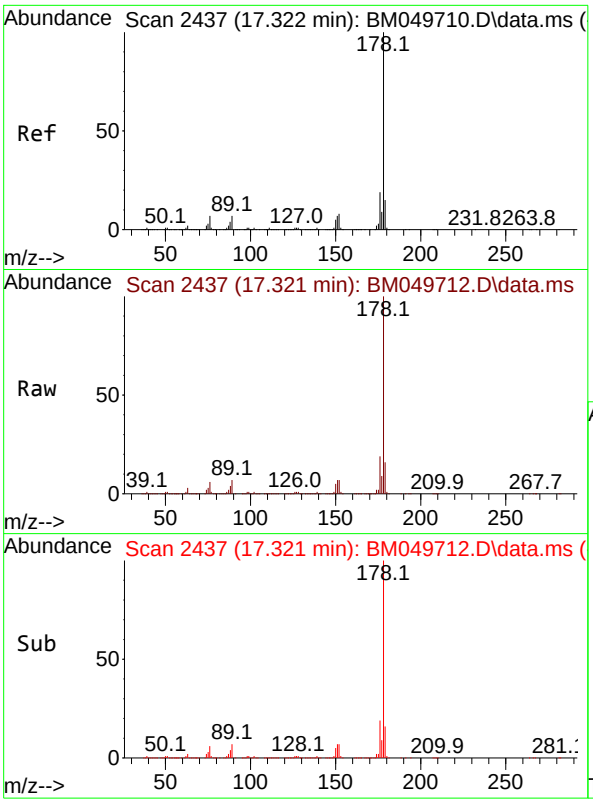


#71
Phenanthrene
Concen: 65.716 ng
RT: 17.227 min Scan# 2421
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:178 Resp: 4268082

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.5	12.5	18.7





#72
Anthracene
Concen: 66.580 ng
RT: 17.321 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

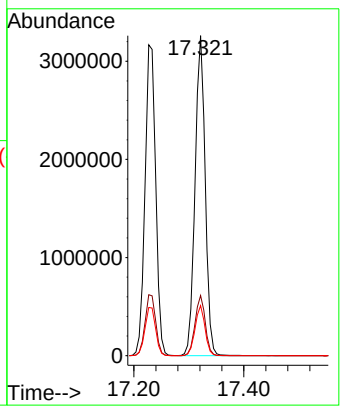
Tgt Ion:178 Resp: 418783

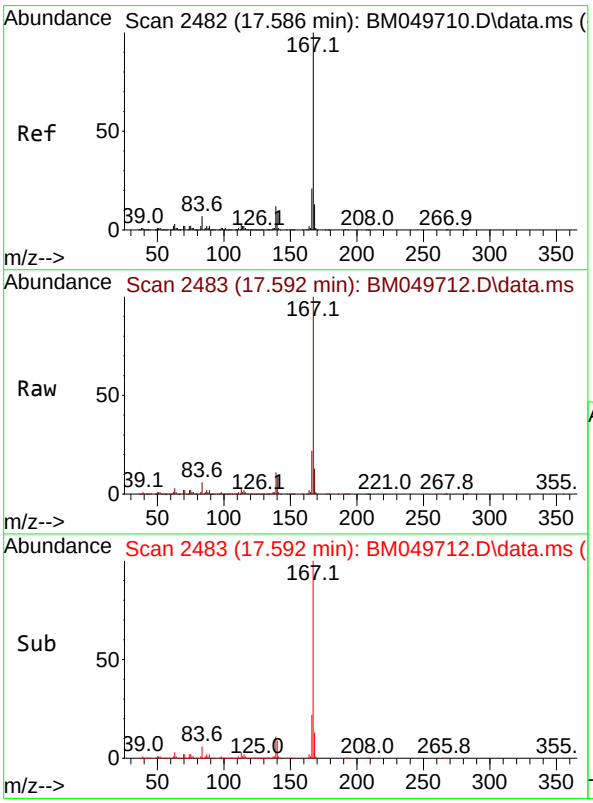
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.7	12.4	18.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

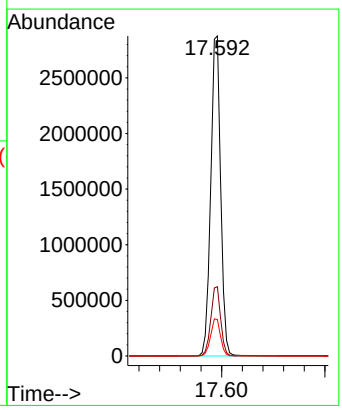


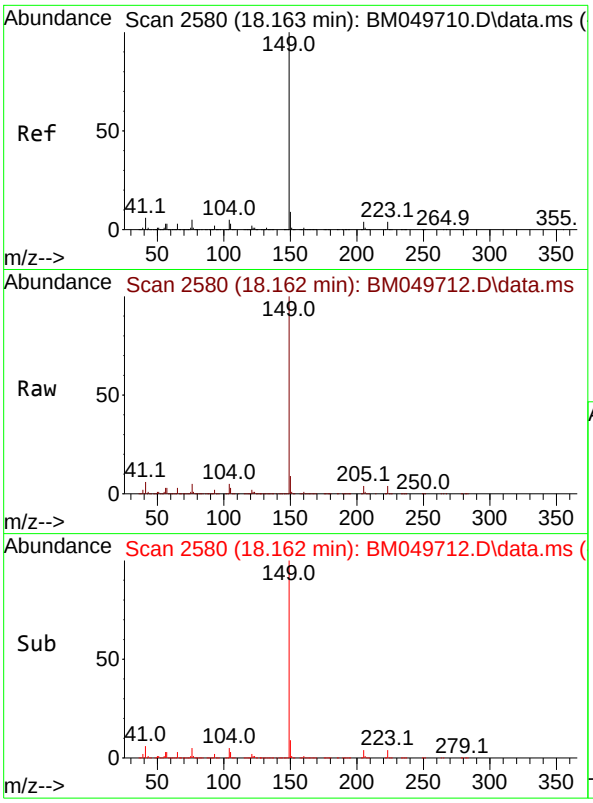


#73
Carbazole
Concen: 67.182 ng
RT: 17.592 min Scan# 2483
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:167 Resp: 3826935

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	11.4	9.4	14.2

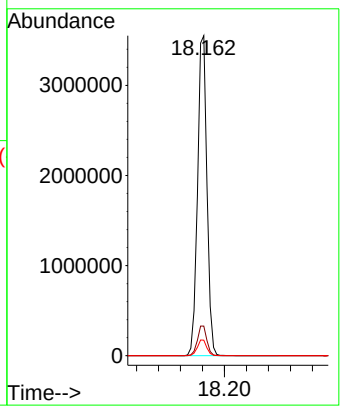




#74
Di-n-butylphthalate
Concen: 67.499 ng
RT: 18.162 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:149 Resp: 421421

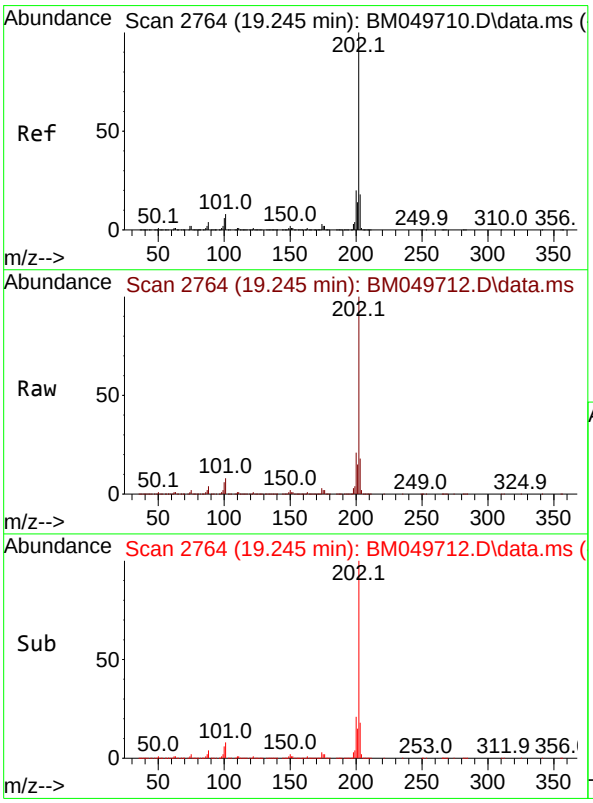
Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	4.8	3.9	5.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

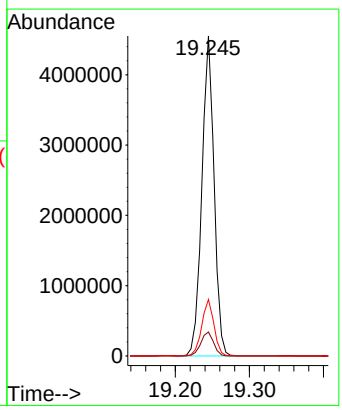
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

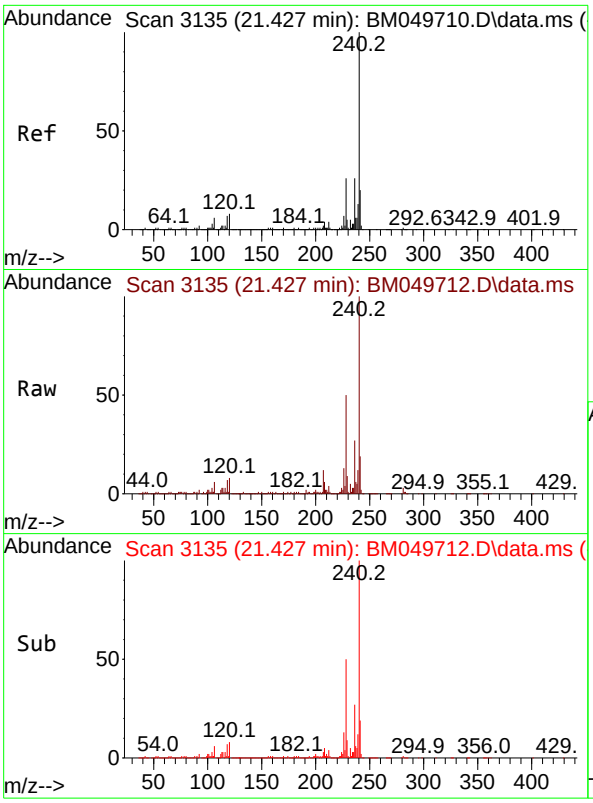


#75
Fluoranthene
Concen: 69.531 ng
RT: 19.245 min Scan# 2764
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:202 Resp: 5199093

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	27.8
203	17.7	0.0	37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

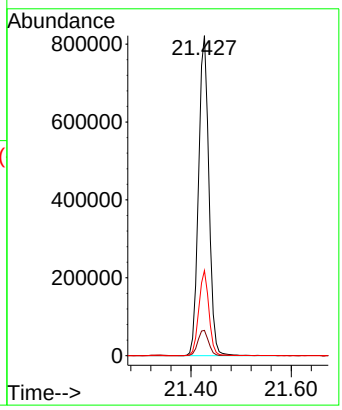
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

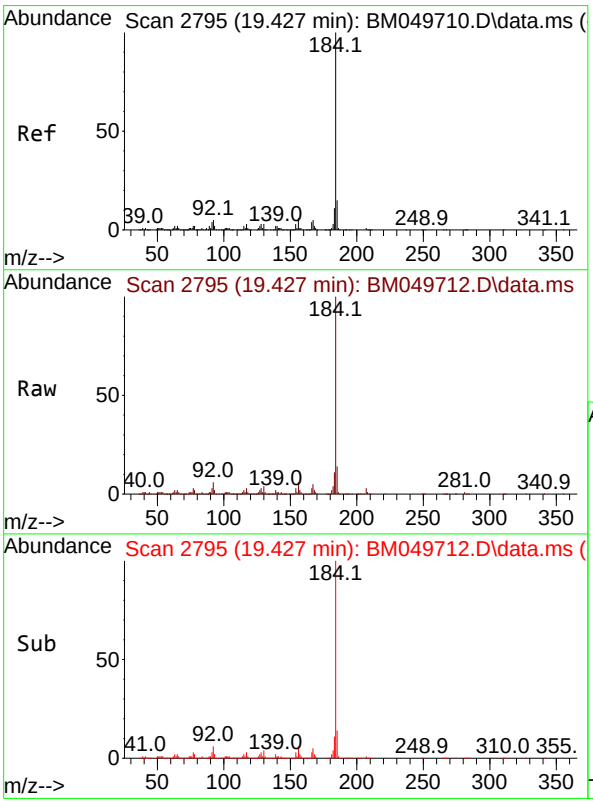
Tgt Ion:240 Resp: 117348

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.5	9.7
236	26.6	20.7	31.1

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

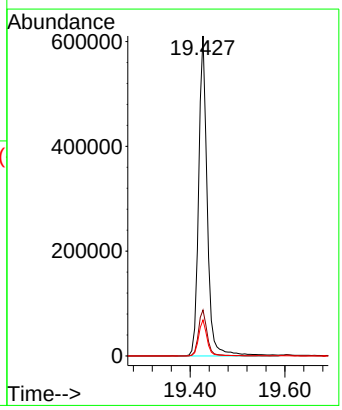


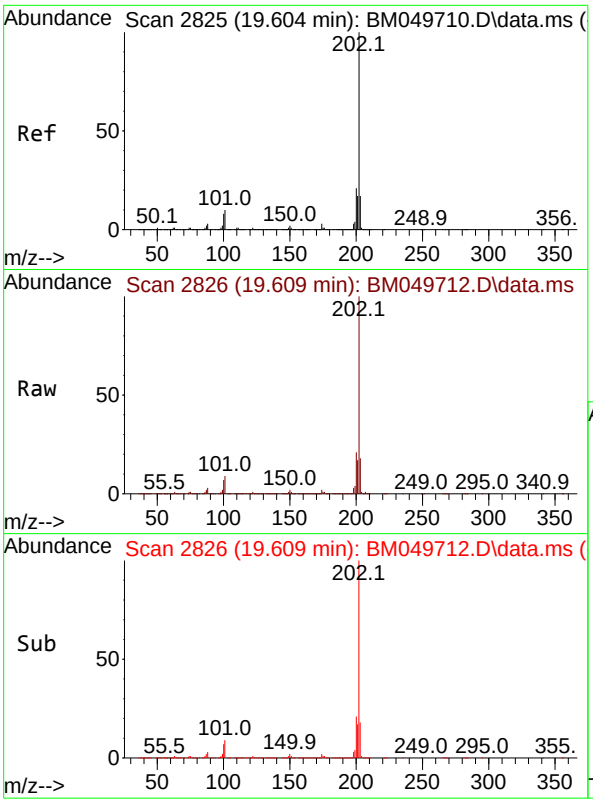


#77
Benzidine
Concen: 54.727 ng
RT: 19.427 min Scan# 2795
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:184 Resp: 771546

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.7	17.5
183	11.2	8.8	13.2

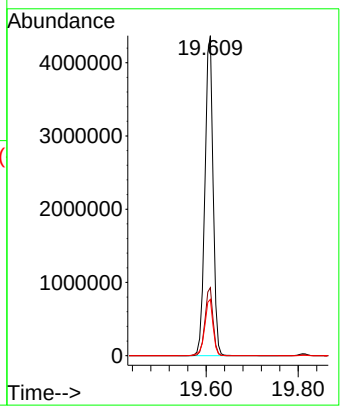




#78
Pyrene
Concen: 66.127 ng
RT: 19.609 min Scan# 2
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:202 Resp: 542153

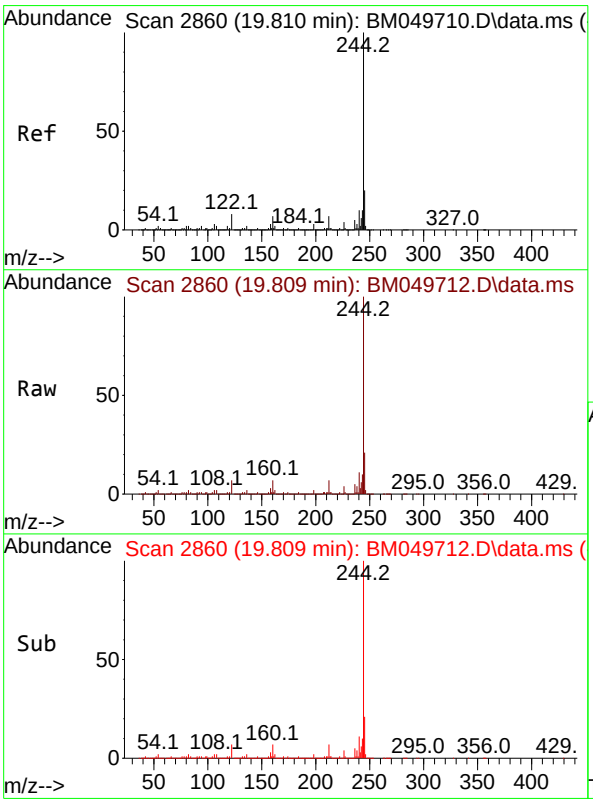
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.6	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

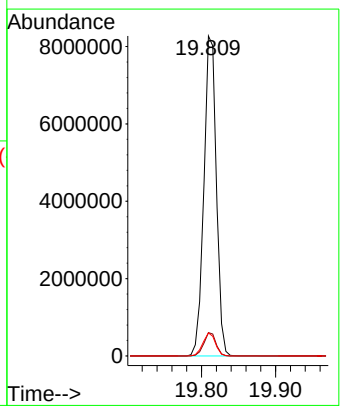
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

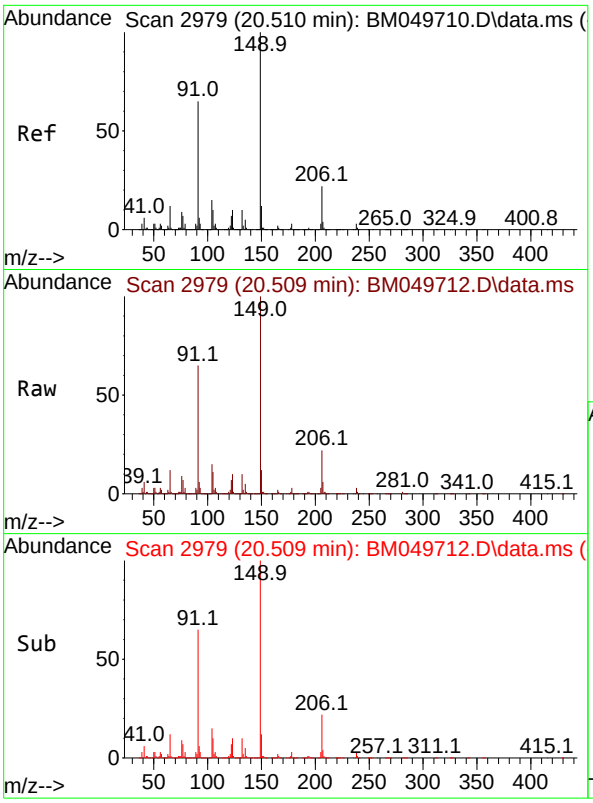


#79
Terphenyl-d14
Concen: 138.909 ng
RT: 19.809 min Scan# 2860
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:244 Resp: 9673323

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	7.2	6.0	9.0

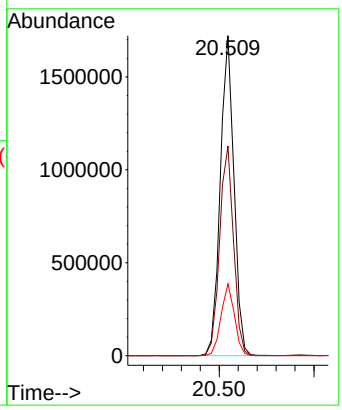




#80
Butylbenzylphthalate
Concen: 67.988 ng
RT: 20.509 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:149 Resp: 172983

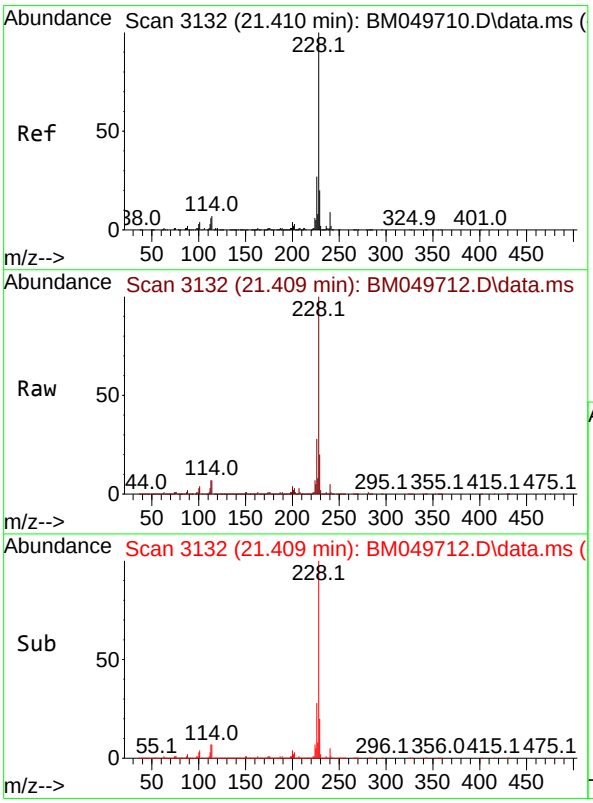
Ion	Ratio	Lower	Upper
149	100		
91	65.5	52.2	78.4
206	22.4	17.6	26.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

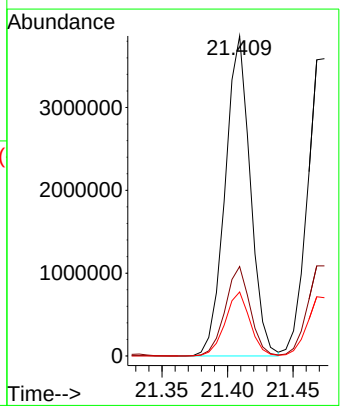
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

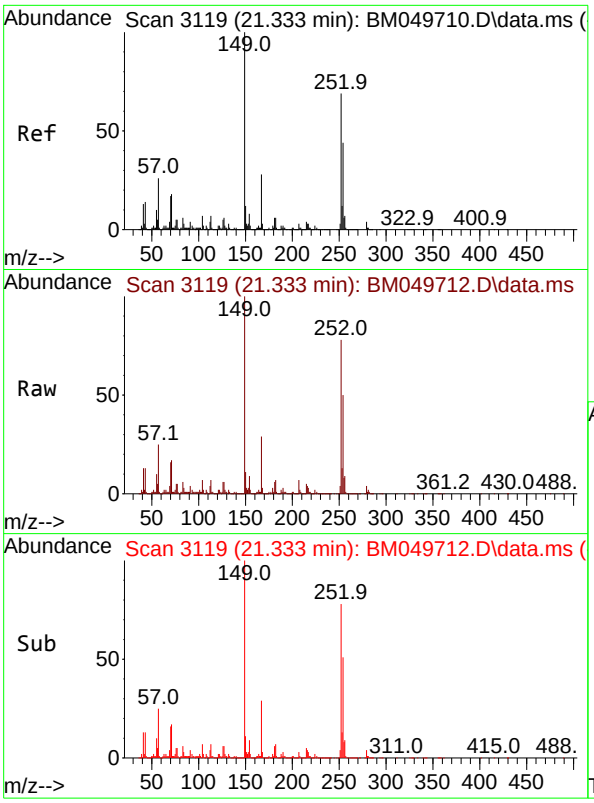


#81
Benzo(a)anthracene
Concen: 65.644 ng
RT: 21.409 min Scan# 3132
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:228 Resp: 5145212

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.0	33.0
229	20.0	15.8	23.8

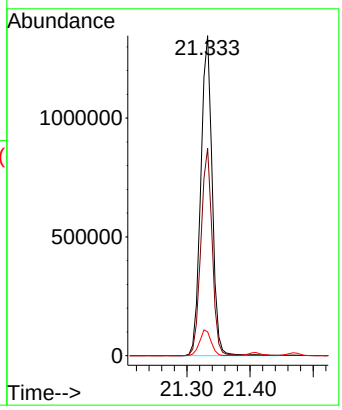




#82
3,3'-Dichlorobenzidine
Concen: 66.120 ng
RT: 21.333 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:252 Resp: 168731

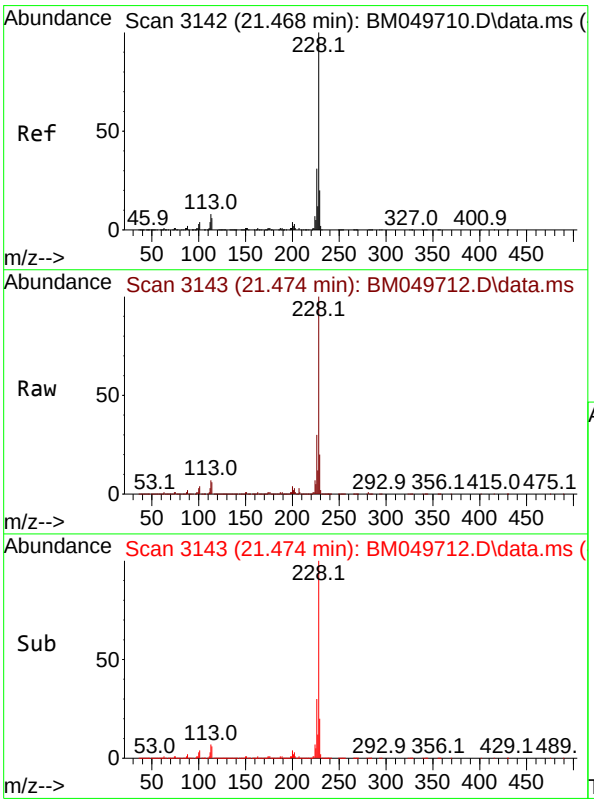
Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.0	76.4
126	7.5	6.3	9.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

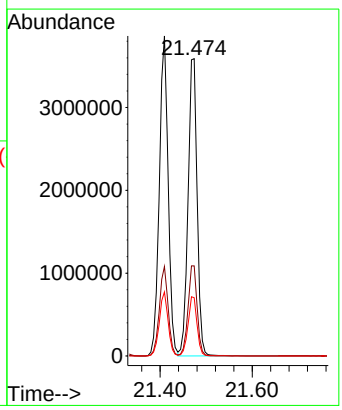
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

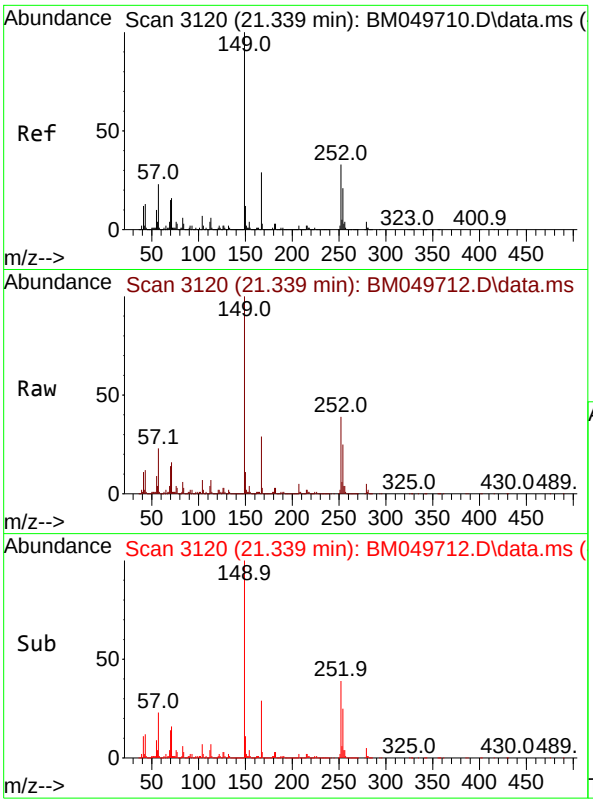


#83
Chrysene
Concen: 65.843 ng
RT: 21.474 min Scan# 3143
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:228 Resp: 4892160

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	19.6	15.8	23.6

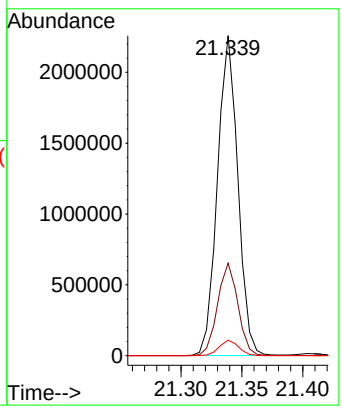




#84
Bis(2-ethylhexyl)phthalate
Concen: 66.414 ng
RT: 21.339 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:149 Resp: 263348

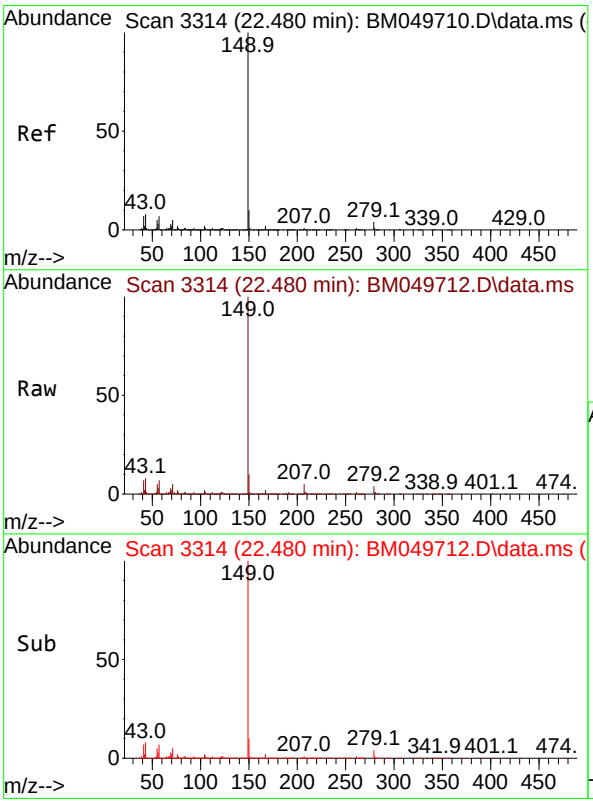
Ion	Ratio	Lower	Upper
149	100		
167	28.9	22.9	34.3
279	4.8	3.5	5.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

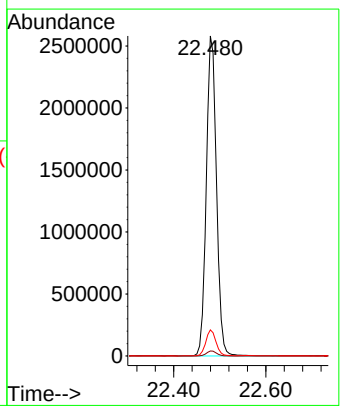
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

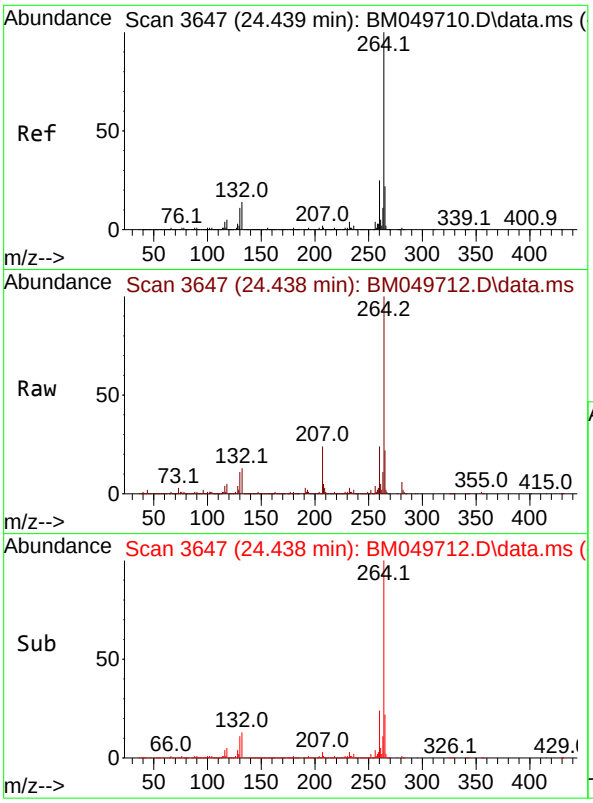


#85
Di-n-octyl phthalate
Concen: 64.539 ng
RT: 22.480 min Scan# 3314
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:149 Resp: 3977588

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.2	6.8	10.2

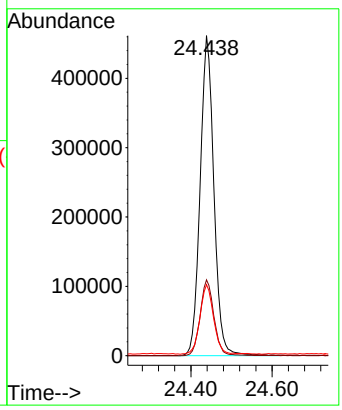




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.438 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:264 Resp: 108437

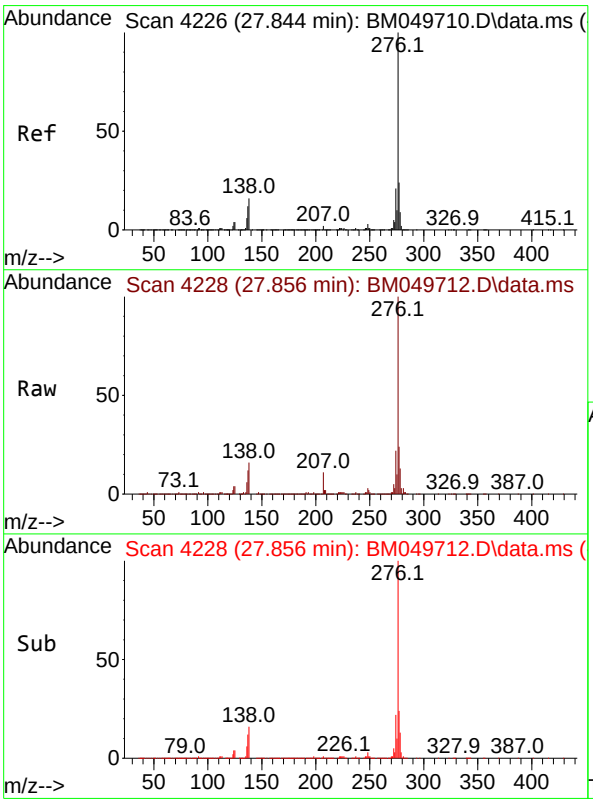
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	22.2	18.2	27.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

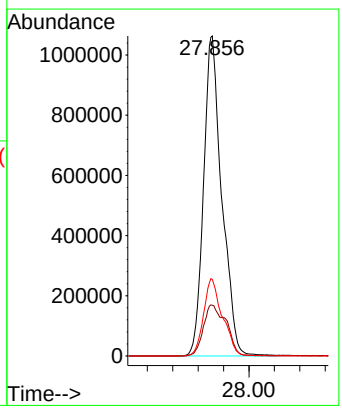
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

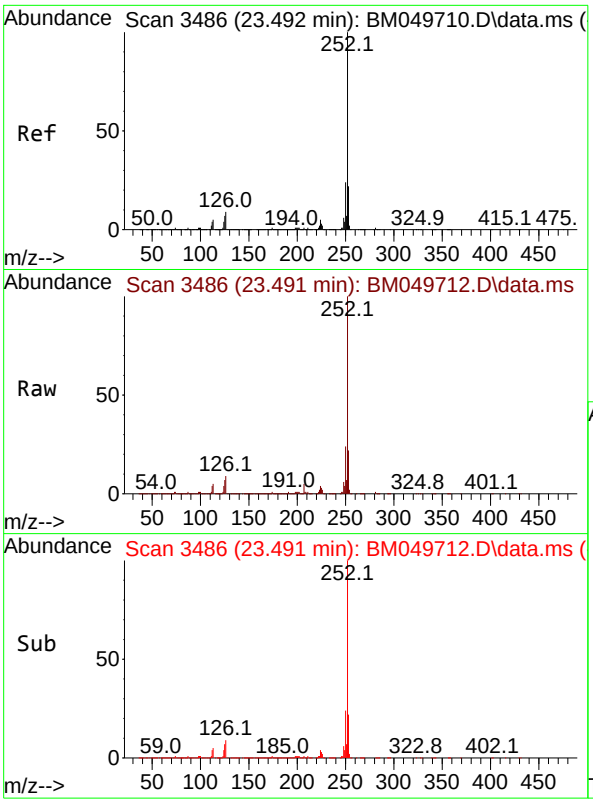


#87
Indeno(1,2,3-cd)pyrene
Concen: 67.923 ng
RT: 27.856 min Scan# 4228
Delta R.T. 0.011 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:276 Resp: 5301272

Ion	Ratio	Lower	Upper
276	100		
138	20.0	16.3	24.5
277	24.9	19.9	29.9





#88
Benzo(b)fluoranthene
Concen: 67.158 ng
RT: 23.491 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

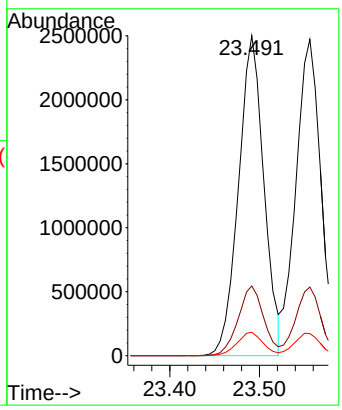
Tgt Ion:252 Resp: 490497

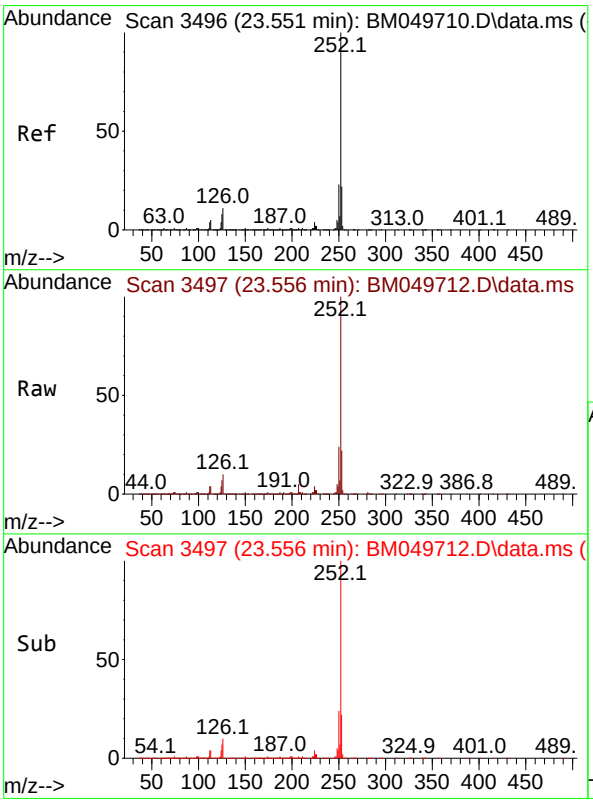
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	7.3	5.9	8.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

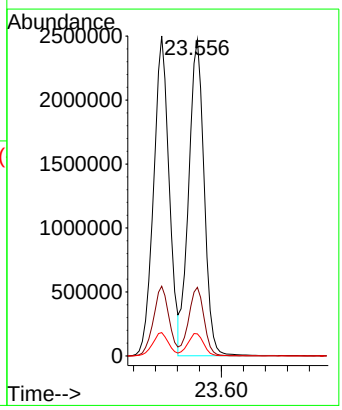


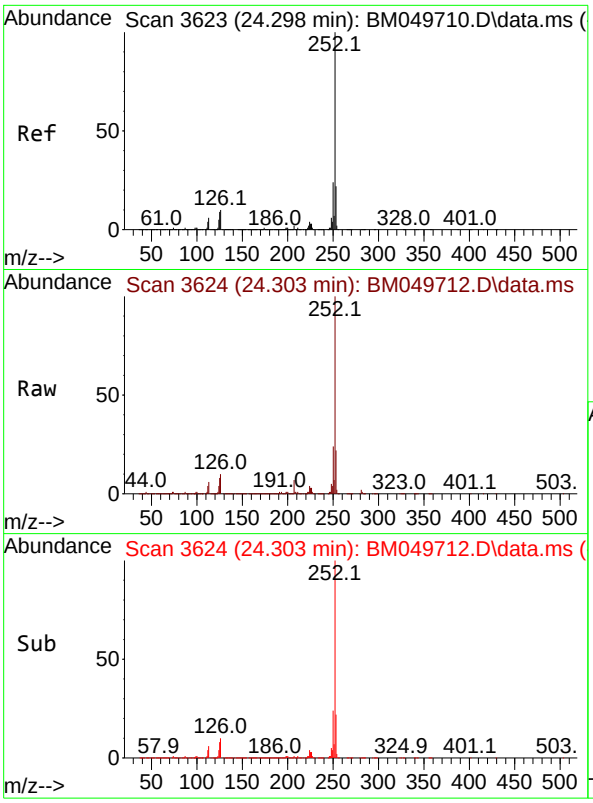


#89
Benzo(k)fluoranthene
Concen: 66.934 ng
RT: 23.556 min Scan# 3497
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:252 Resp: 4810286

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	7.0	6.2	9.2

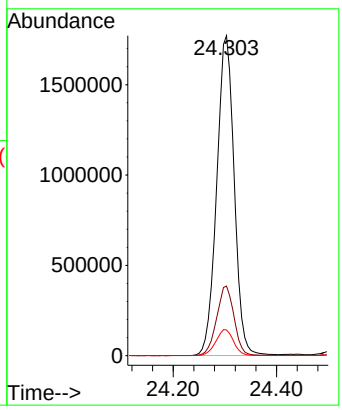




#90
Benzo(a)pyrene
Concen: 67.883 ng
RT: 24.303 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:252 Resp: 416443

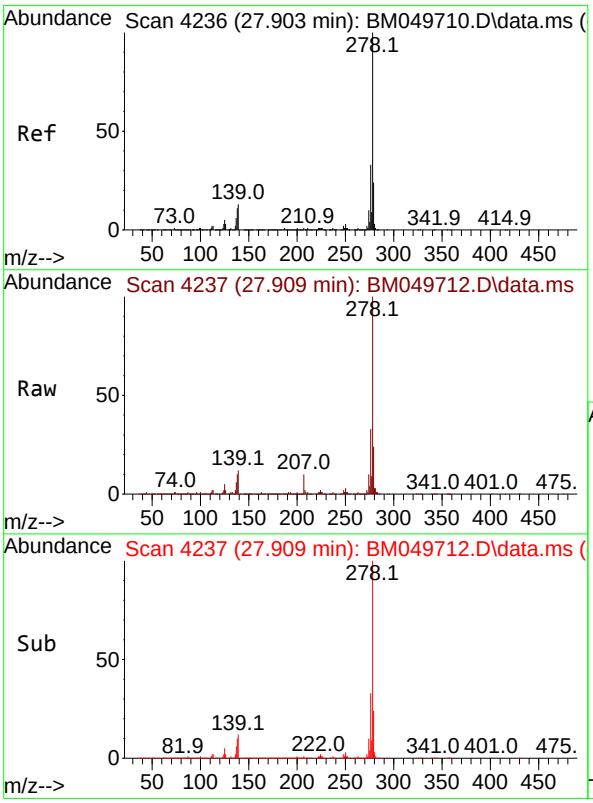
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	8.0	7.0	10.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

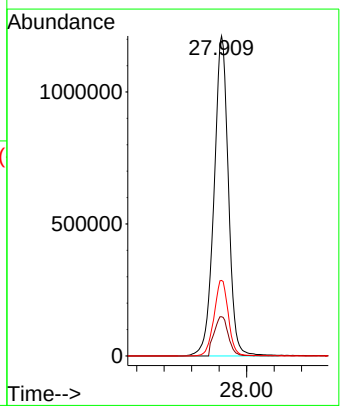
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

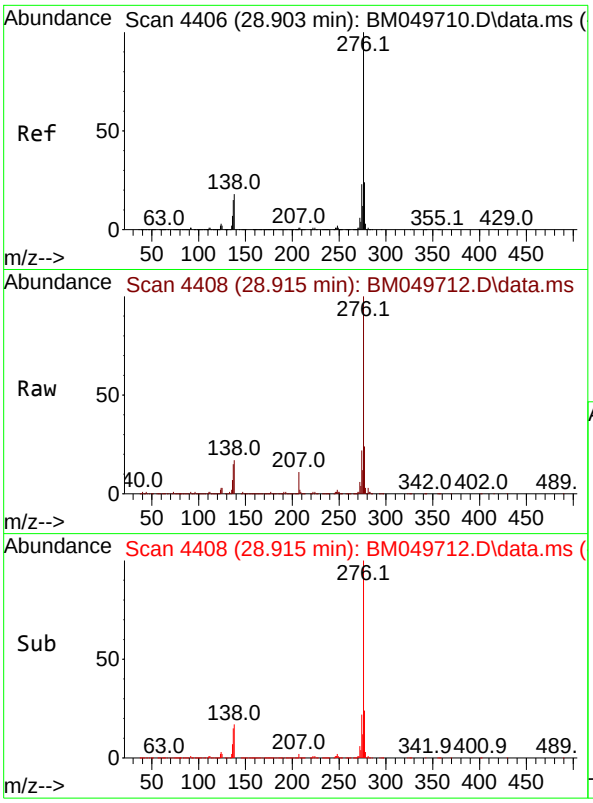


#91
Dibenzo(a,h)anthracene
Concen: 67.722 ng
RT: 27.909 min Scan# 4237
Delta R.T. 0.005 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:278 Resp: 4403728

Ion	Ratio	Lower	Upper
278	100		
139	12.3	10.1	15.1
279	23.6	19.1	28.7

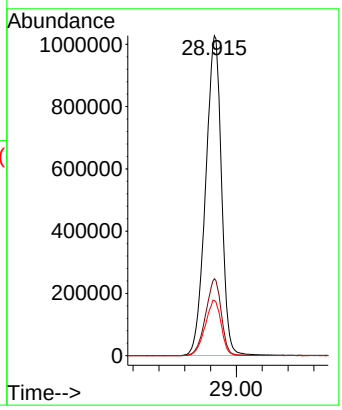




#92
Benzo(g,h,i)perylene
Concen: 66.781 ng
RT: 28.915 min Scan# 4
Delta R.T. 0.011 min
Lab File: BM049712.D
Acq: 13 Mar 2025 12:58

Tgt Ion:276 Resp: 437409

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	17.2	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049713.D
Acq On : 13 Mar 2025 13:37
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:44:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.810	152	320715	20.000	ng		0.00
21) Naphthalene-d8	10.604	136	1044790	20.000	ng		0.00
39) Acenaphthene-d10	14.445	164	642425	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	1232487	20.000	ng		0.00
76) Chrysene-d12	21.427	240	1288590	20.000	ng		0.00
86) Perylene-d12	24.445	264	1147839	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	3303811	173.818	ng		0.00
7) Phenol-d6	6.987	99	4111683	172.375	ng		0.00
23) Nitrobenzene-d5	8.969	82	3528480	173.392	ng		0.00
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng		
45) 2-Fluorobiphenyl	13.075	172	9151795	178.410	ng		0.00
79) Terphenyl-d14	19.810	244	12066561	157.797	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.287	88	693723	84.311	ng		98
3) Pyridine	3.687	79	1736277m	82.522	ng		
4) n-Nitrosodimethylamine	3.593	42	760047	81.744	ng		98
6) Aniline	7.146	93	1551413	77.633	ng		100
8) 2-Chlorophenol	7.375	128	1587429	84.337	ng		99
10) Phenol	7.010	94	1947710	84.211	ng		99
11) bis(2-Chloroethyl)ether	7.234	93	1554529	82.999	ng		99
12) 1,3-Dichlorobenzene	7.699	146	1912608	83.613	ng		99
13) 1,4-Dichlorobenzene	7.846	146	1925476	83.439	ng		99
14) 1,2-Dichlorobenzene	8.163	146	1811374	82.593	ng		98
15) Benzyl Alcohol	8.052	79	1307396	87.341	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.346	45	1755494	79.747	ng		99
17) 2-Methylphenol	8.257	107	1165523	84.879	ng		99
18) Hexachloroethane	8.893	117	686259	84.211	ng		91
19) n-Nitroso-di-n-propyla...	8.622	70	1186843	85.807	ng		98
20) 3+4-Methylphenols	8.587	107	1582502	85.996	ng		99
22) Acetophenone	8.628	105	2292495	85.099	ng	#	99
24) Nitrobenzene	9.010	77	1636270	85.275	ng		98
25) Isophorone	9.540	82	2791486	89.344	ng		99
26) 2-Nitrophenol	9.716	139	784824	96.097	ng		99
27) 2,4-Dimethylphenol	9.787	122	932622	89.713	ng		98
28) bis(2-Chloroethoxy)met...	10.016	93	1893999	86.068	ng		99
29) 2,4-Dichlorophenol	10.257	162	1520440	89.758	ng		100
30) 1,2,4-Trichlorobenzene	10.469	180	1835587	86.611	ng		99
31) Naphthalene	10.657	128	4667851	86.886	ng		100
32) Benzoic acid	9.951	122	869055	98.267	ng		99
33) 4-Chloroaniline	10.763	127	1574032	85.850	ng		99
34) Hexachlorobutadiene	10.945	225	1152996	88.127	ng		99
35) Caprolactam	11.563	113	376485	95.730	ng		98
36) 4-Chloro-3-methylphenol	11.898	107	1350170	92.879	ng		99
37) 2-Methylnaphthalene	12.269	142	3320321	88.386	ng		100
38) 1-Methylnaphthalene	12.487	142	3199086	88.266	ng		99
40) 1,2,4,5-Tetrachloroben...	12.639	216	2141091	90.734	ng		98
41) Hexachlorocyclopentadiene	12.622	237	794094	90.835	ng		98
43) 2,4,6-Trichlorophenol	12.881	196	1245983	94.277	ng		99
44) 2,4,5-Trichlorophenol	12.951	196	1327706	92.060	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049713.D
Acq On : 13 Mar 2025 13:37
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 14:44:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.281	154	4324552	87.343	ng		99
47) 2-Chloronaphthalene	13.322	162	3342606	86.734	ng		99
48) 2-Nitroaniline	13.522	65	823026	95.132	ng		98
49) Acenaphthylene	14.169	152	4822145	89.516	ng		99
50) Dimethylphthalate	13.910	163	3886504	87.869	ng		100
51) 2,6-Dinitrotoluene	14.022	165	806435	90.994	ng		96
52) Acenaphthene	14.516	154	3143606	89.077	ng		99
53) 3-Nitroaniline	14.351	138	796441	94.437	ng		99
54) 2,4-Dinitrophenol	14.551	184	448121	79.774	ng		99
55) Dibenzofuran	14.845	168	5185747	88.075	ng		99
56) 4-Nitrophenol	14.669	139	686661	93.537	ng		96
57) 2,4-Dinitrotoluene	14.810	165	1093074	95.850	ng		99
58) Fluorene	15.498	166	4450434	92.838	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.075	232	1157649	95.892	ng		98
60) Diethylphthalate	15.275	149	3759097	90.238	ng		98
61) 4-Chlorophenyl-phenyle...	15.492	204	2474798	94.541	ng		96
62) 4-Nitroaniline	15.516	138	844824	81.361	ng		98
63) Azobenzene	15.786	77	3572876	89.793	ng		97
65) 4,6-Dinitro-2-methylph...	15.575	198	629745	79.696	ng		98
66) n-Nitrosodiphenylamine	15.704	169	3345747	89.598	ng		99
67) 4-Bromophenyl-phenylether	16.386	248	1331345	93.560	ng		95
68) Hexachlorobenzene	16.498	284	1464777	91.538	ng		98
70) Pentachlorophenol	16.839	266	985815	98.033	ng		98
71) Phenanthrene	17.233	178	6176071	90.245	ng		100
72) Anthracene	17.322	178	6142455	92.677	ng		99
73) Carbazole	17.592	167	5563088	92.681	ng		99
74) Di-n-butylphthalate	18.163	149	6356664	96.623	ng		99
75) Fluoranthene	19.245	202	7783589	98.788	ng		99
77) Benzidine	19.427	184	1374821	88.806	ng		99
78) Pyrene	19.610	202	8049120	89.407	ng		99
80) Butylbenzylphthalate	20.510	149	2716011	97.212	ng		98
81) Benzo(a)anthracene	21.409	228	7806292	90.698	ng		99
82) 3,3'-Dichlorobenzidine	21.333	252	2739621	97.766	ng		99
83) Chrysene	21.474	228	7399577	90.694	ng		99
84) Bis(2-ethylhexyl)phtha...	21.339	149	4246419	97.524	ng	#	96
85) Di-n-octyl phthalate	22.486	149	6646660	98.213	ng		98
87) Indeno(1,2,3-cd)pyrene	27.856	276	7894972	95.562	ng		99
88) Benzo(b)fluoranthene	23.498	252	7512407	97.171	ng		99
89) Benzo(k)fluoranthene	23.562	252	7220461	94.915	ng		98
90) Benzo(a)pyrene	24.309	252	6327756	97.443	ng		99
91) Dibenzo(a,h)anthracene	27.921	278	6611470	96.052	ng		100
92) Benzo(g,h,i)perylene	28.927	276	6460933	93.187	ng		99

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

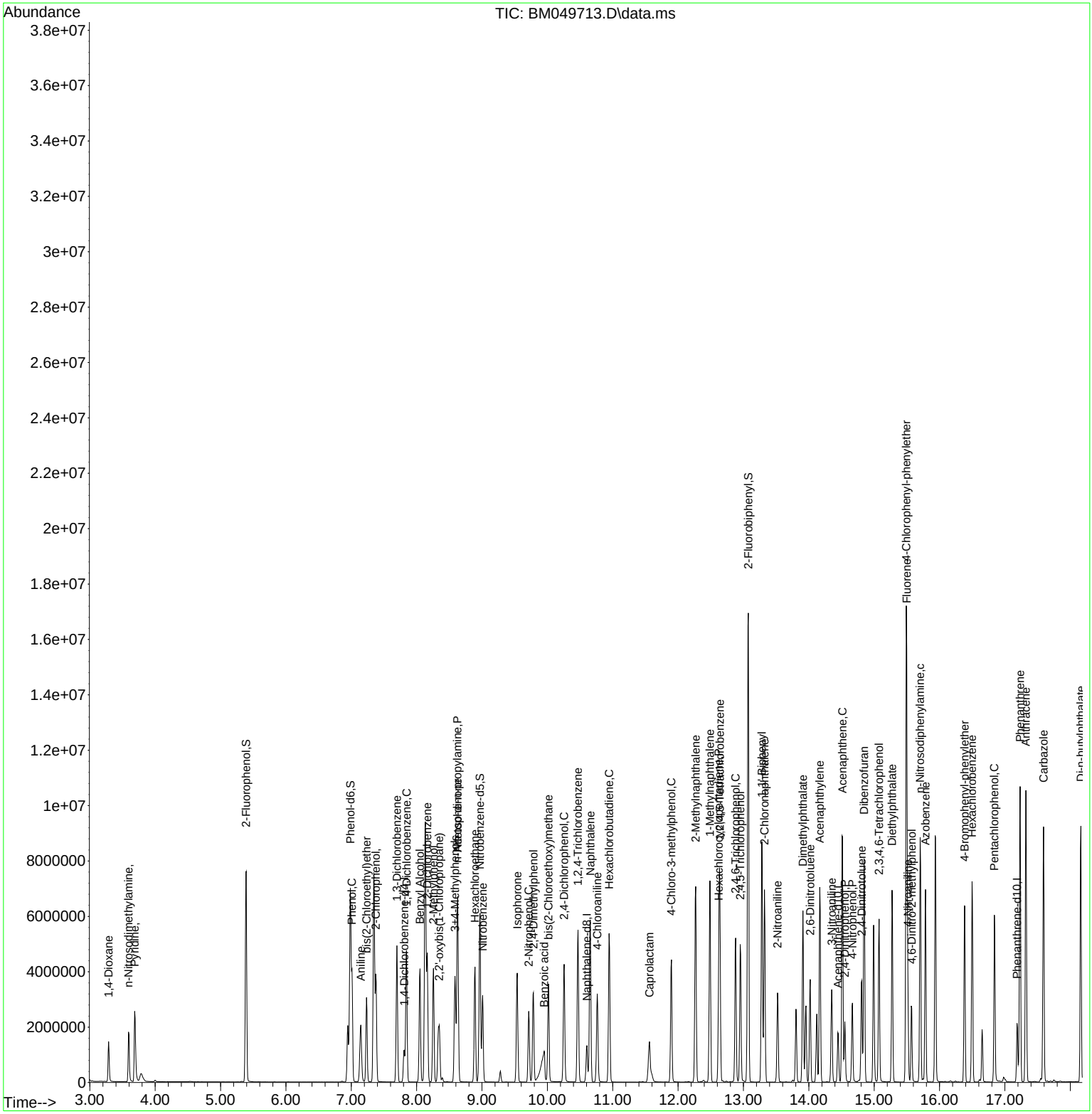
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049713.D
Acq On : 13 Mar 2025 13:37
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 13 14:44:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



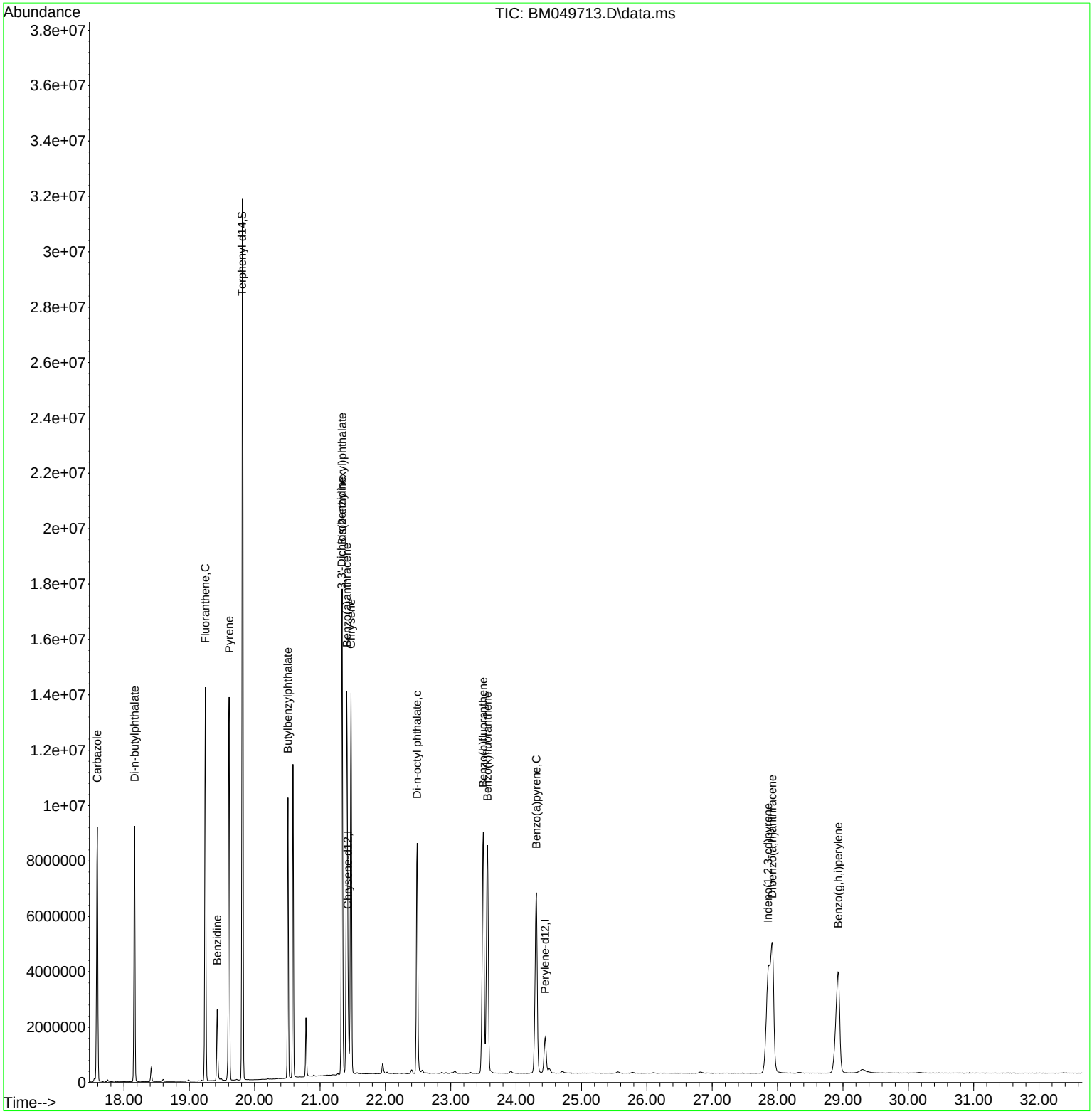
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049713.D
Acq On : 13 Mar 2025 13:37
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

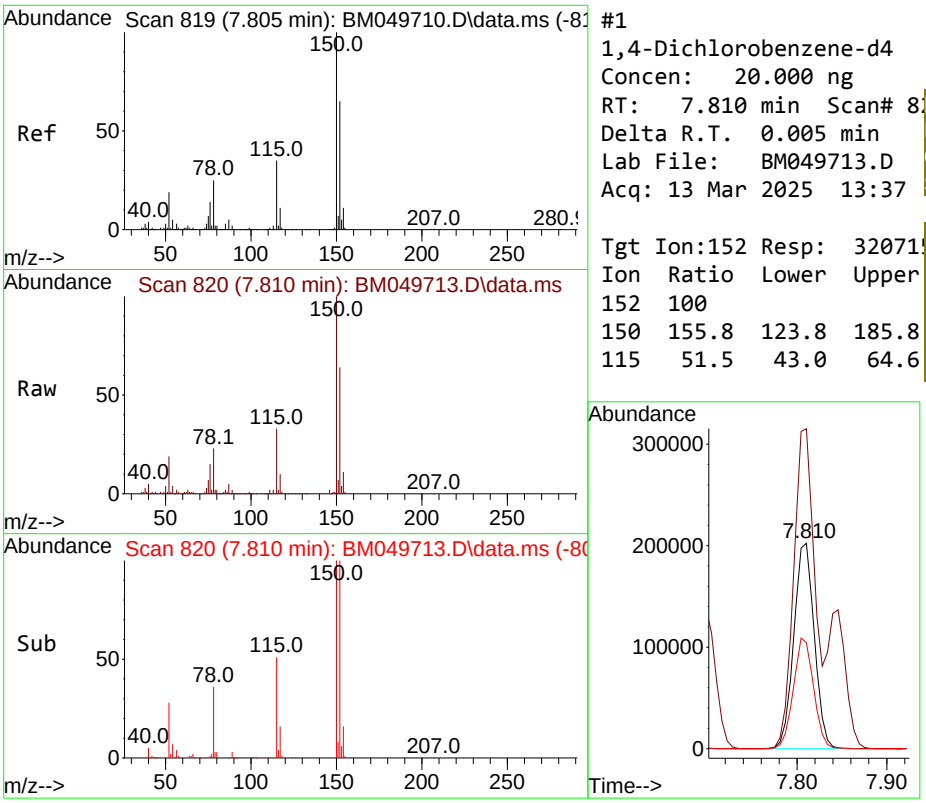
Quant Time: Mar 13 14:44:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:27:21 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 8
Delta R.T. 0.005 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

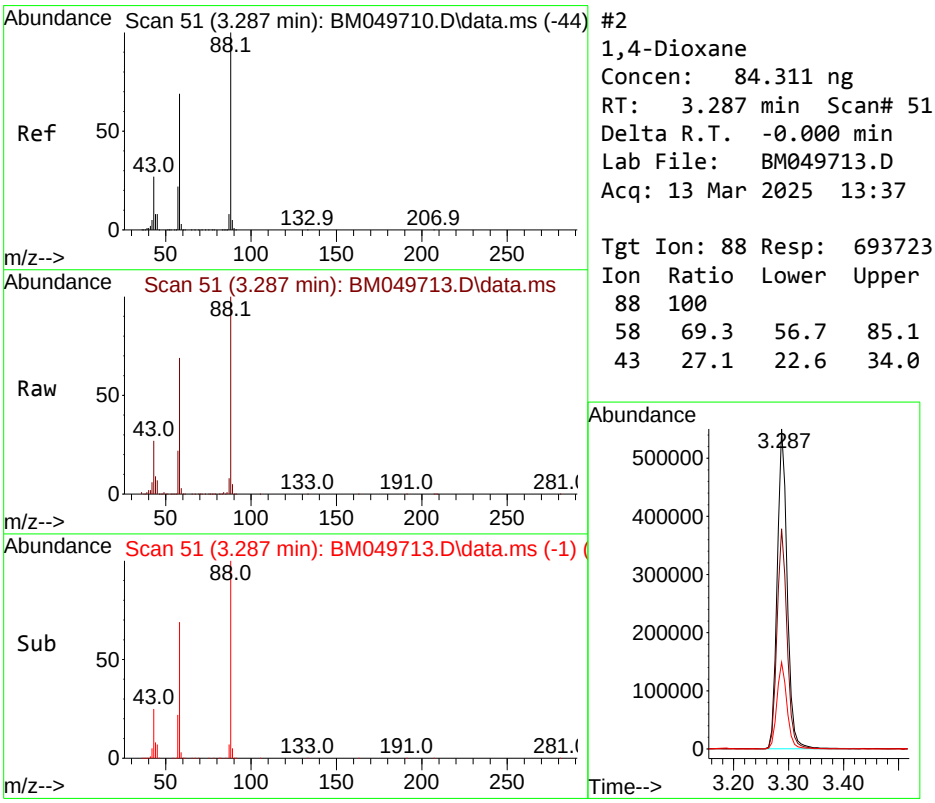
Tgt Ion:152 Resp: 32071

Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.8	185.8
115	51.5	43.0	64.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

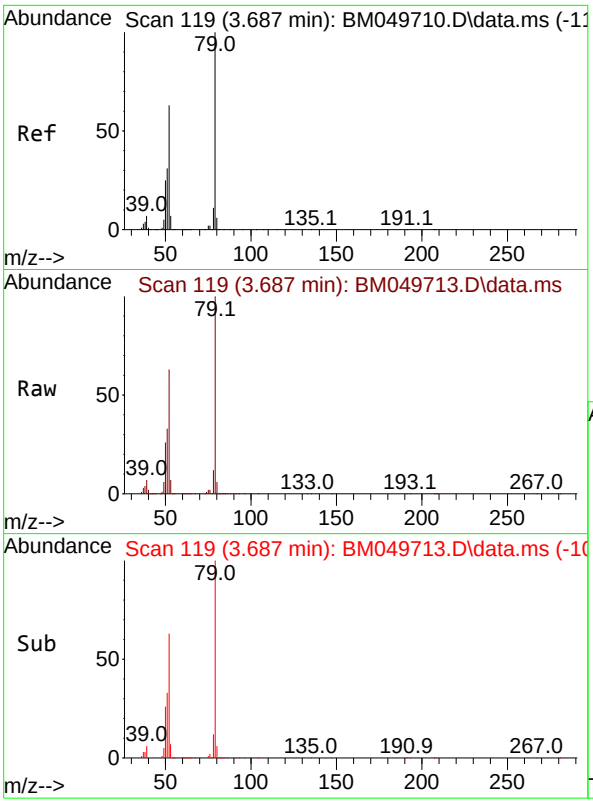
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#2
1,4-Dioxane
Concen: 84.311 ng
RT: 3.287 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 88 Resp: 693723

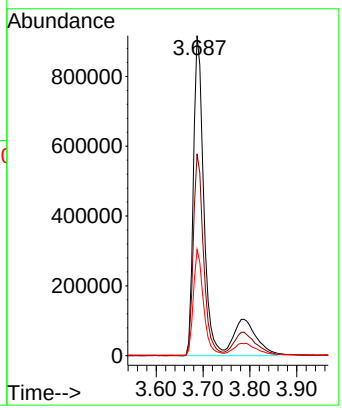
Ion	Ratio	Lower	Upper
88	100		
58	69.3	56.7	85.1
43	27.1	22.6	34.0



#3
Pyridine
Concen: 82.522 ng m
RT: 3.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 79 Resp: 173627

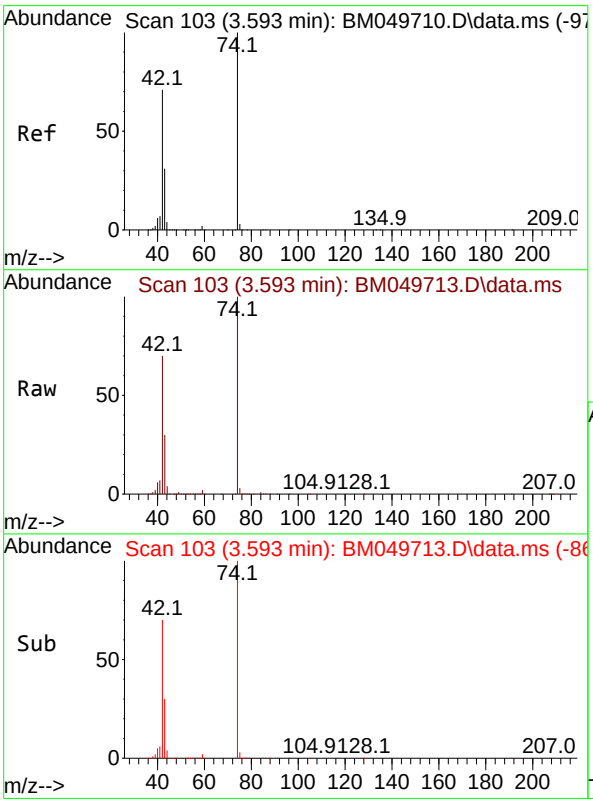
Ion	Ratio	Lower	Upper
79	100		
52	63.1	50.1	75.1
51	33.1	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

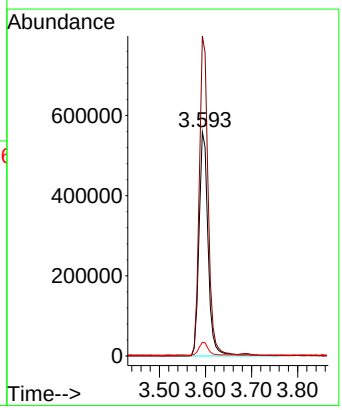
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

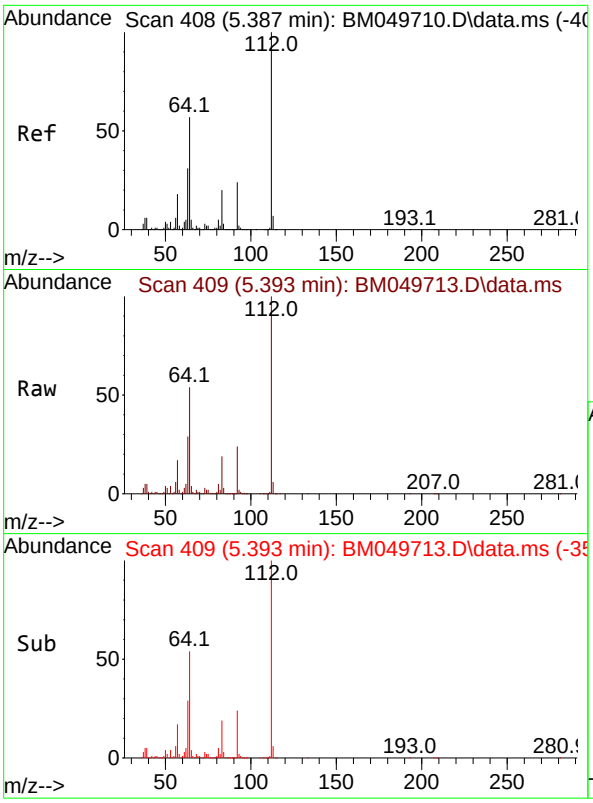


#4
n-Nitrosodimethylamine
Concen: 81.744 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 42 Resp: 760047

Ion	Ratio	Lower	Upper
42	100		
74	143.0	112.6	168.8
44	6.1	5.0	7.6

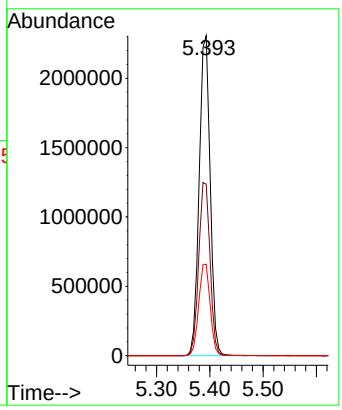




#5
2-Fluorophenol
Concen: 173.818 ng
RT: 5.393 min Scan# 4(
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:112 Resp: 330381

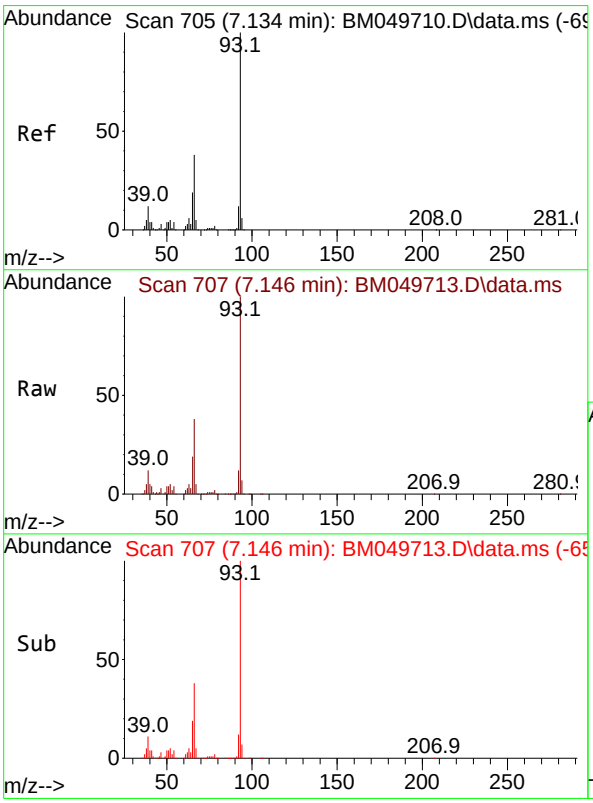
Ion	Ratio	Lower	Upper
112	100		
64	53.6	45.3	67.9
63	28.6	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

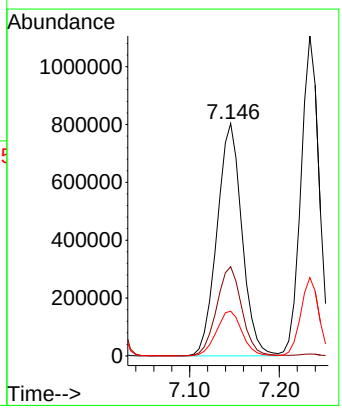
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

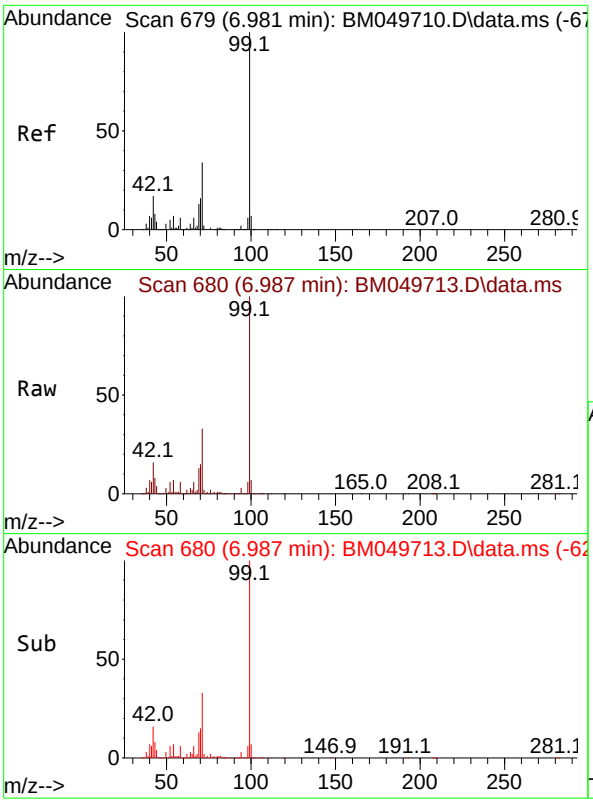


#6
Aniline
Concen: 77.633 ng
RT: 7.146 min Scan# 707
Delta R.T. 0.012 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 93 Resp: 1551413

Ion	Ratio	Lower	Upper
93	100		
66	38.4	30.6	46.0
65	19.3	15.4	23.2

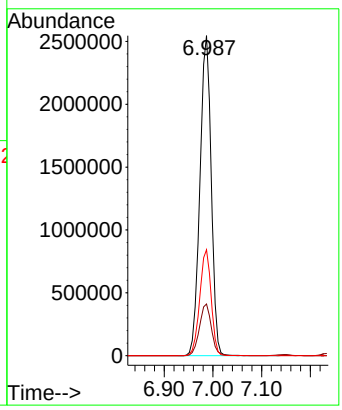




#7
Phenol-d6
Concen: 172.375 ng
RT: 6.987 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 99 Resp: 411168

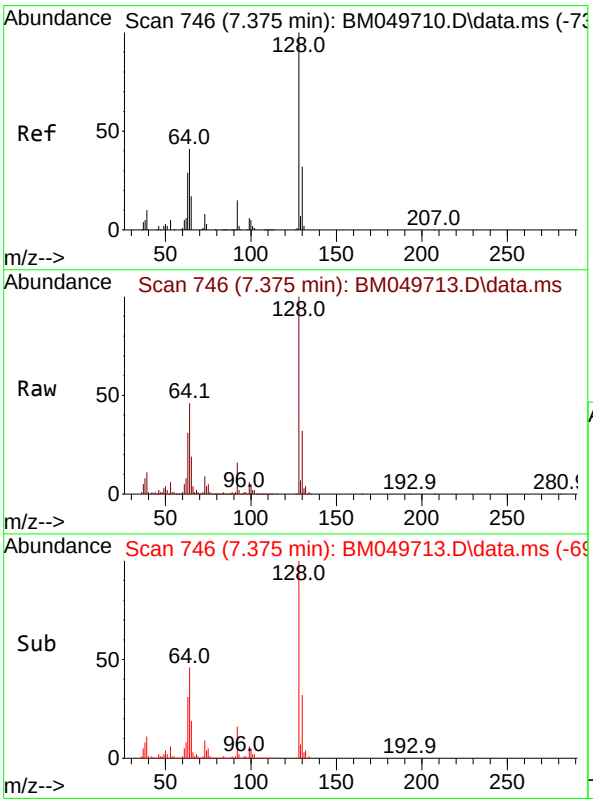
Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.6	20.4
71	33.1	27.0	40.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

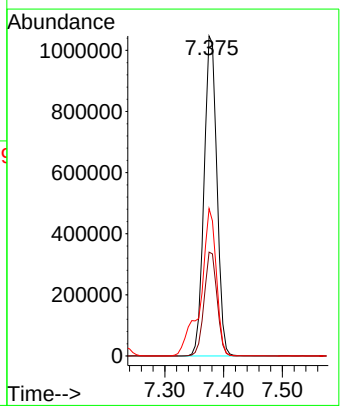
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

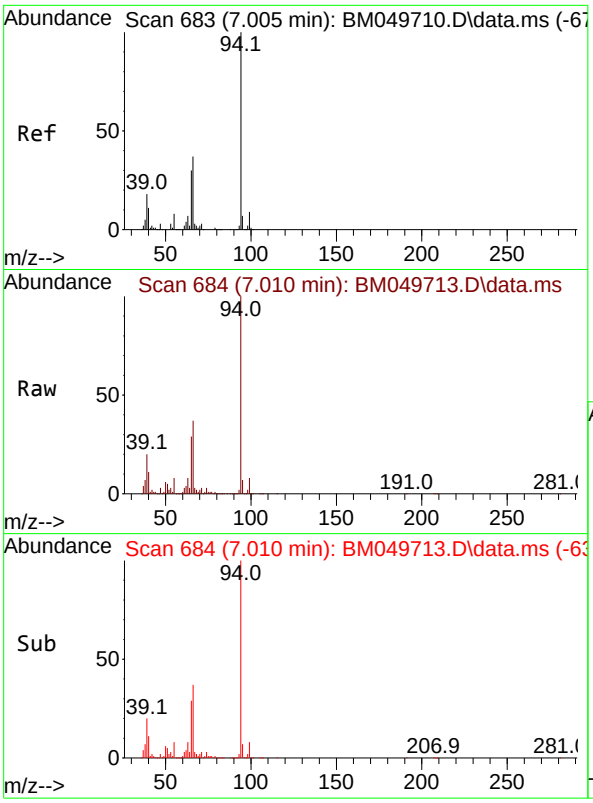


#8
2-Chlorophenol
Concen: 84.337 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:128 Resp: 1587429

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.5	52.5
64	46.1	24.9	64.9

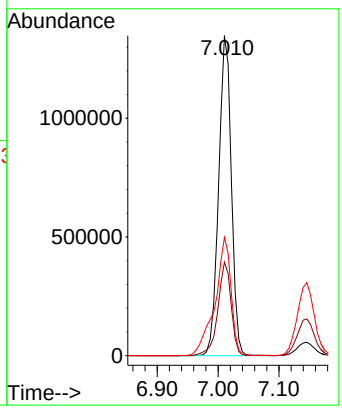




#10
Phenol
Concen: 84.211 ng
RT: 7.010 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 94 Resp: 194771

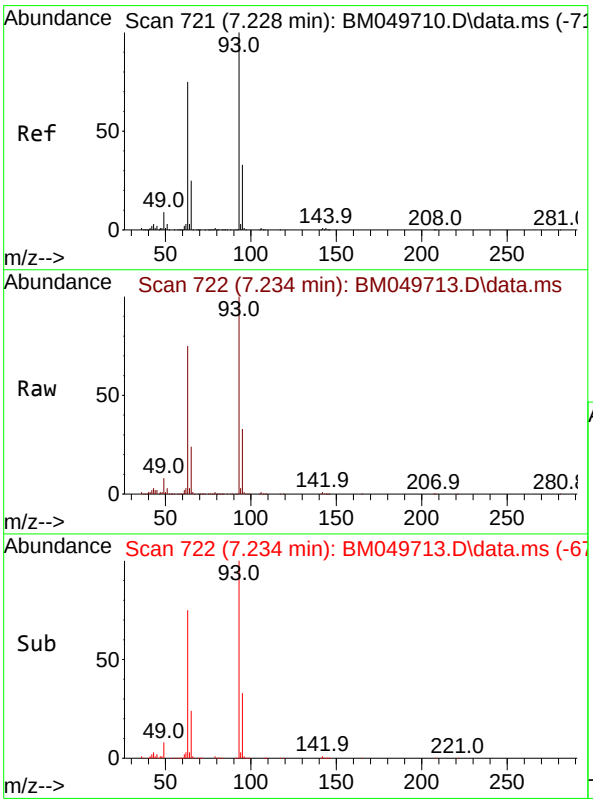
Ion	Ratio	Lower	Upper
94	100		
65	29.2	10.4	50.4
66	37.0	17.1	57.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

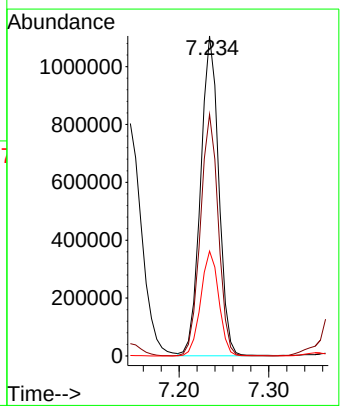
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

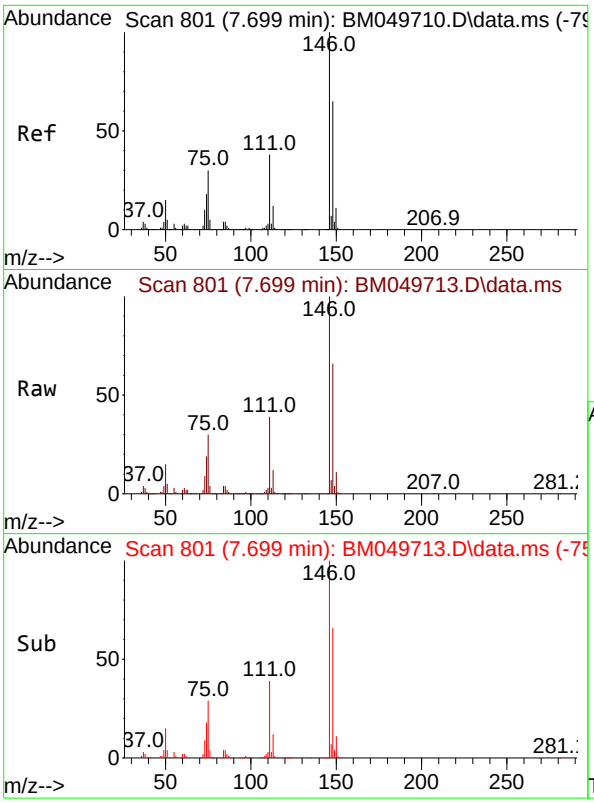


#11
bis(2-Chloroethyl)ether
Concen: 82.999 ng
RT: 7.234 min Scan# 722
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 93 Resp: 1554529

Ion	Ratio	Lower	Upper
93	100		
63	75.5	54.8	94.8
95	32.8	12.8	52.8





#12
1,3-Dichlorobenzene
Concen: 83.613 ng
RT: 7.699 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

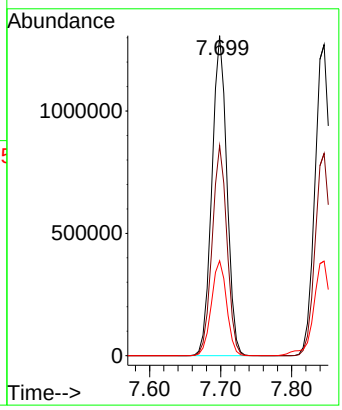
Tgt Ion:146 Resp: 191260

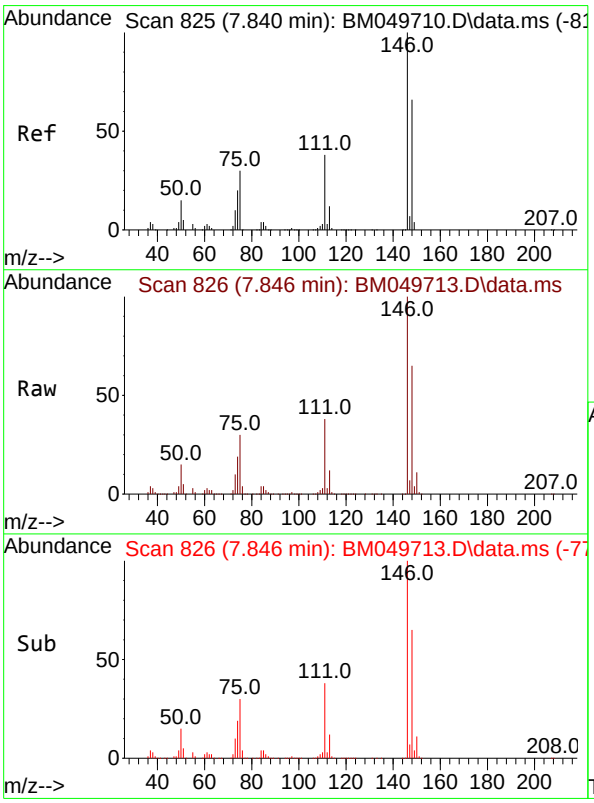
Ion	Ratio	Lower	Upper
146	100		
148	65.7	52.3	78.5
75	29.6	24.2	36.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

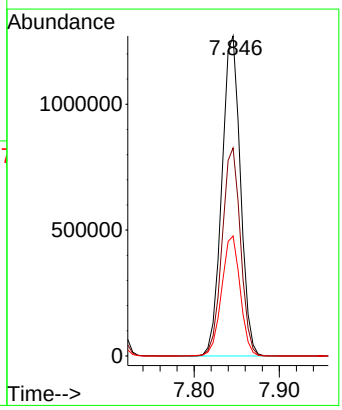


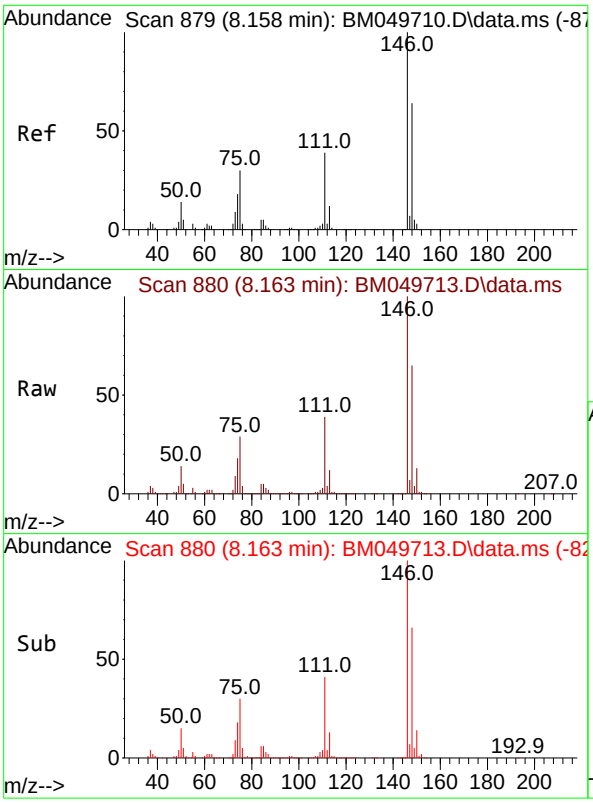


#13
1,4-Dichlorobenzene
Concen: 83.439 ng
RT: 7.846 min Scan# 826
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:146 Resp: 1925476

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.6	79.0
111	37.5	30.8	46.2

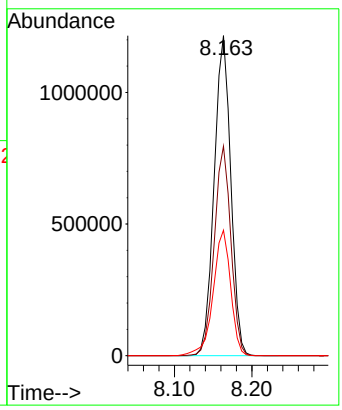




#14
1,2-Dichlorobenzene
Concen: 82.593 ng
RT: 8.163 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:146 Resp: 181137

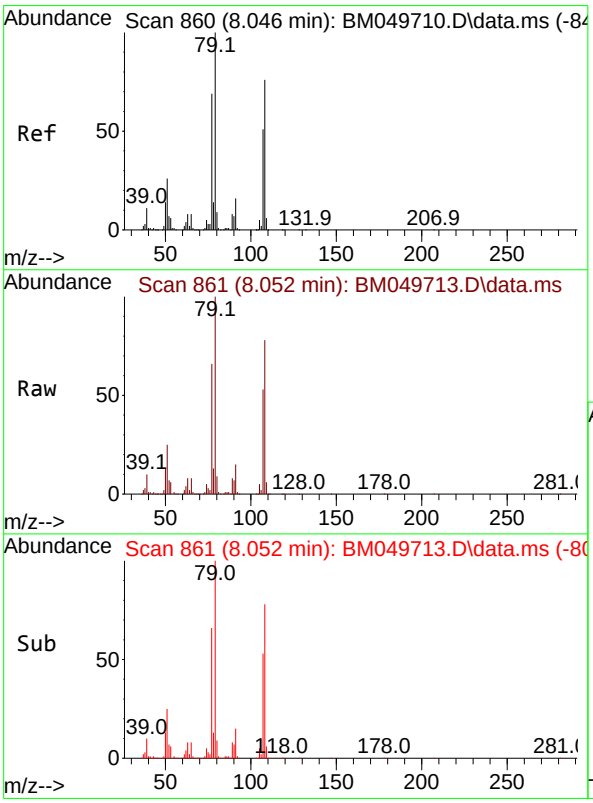
Ion	Ratio	Lower	Upper
146	100		
148	65.4	50.9	76.3
111	39.2	31.0	46.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

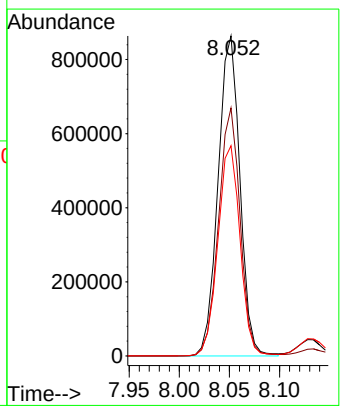
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

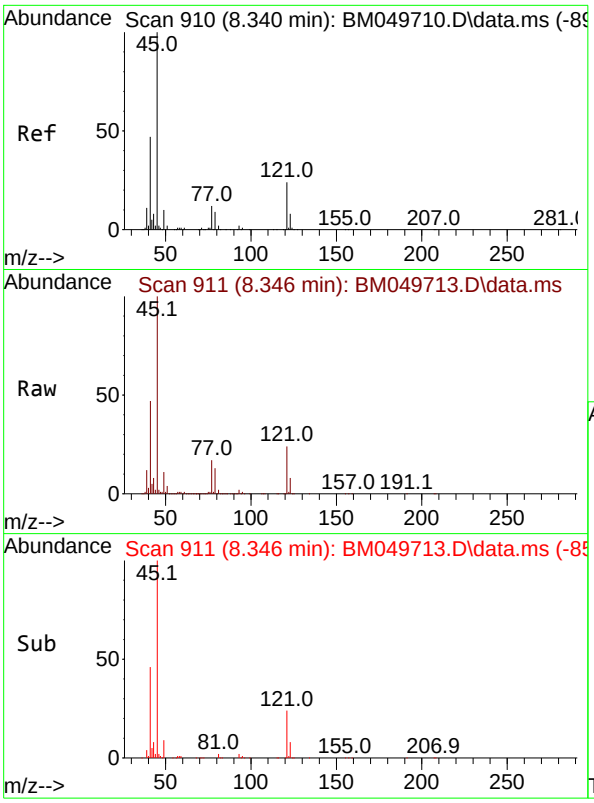


#15
Benzyl Alcohol
Concen: 87.341 ng
RT: 8.052 min Scan# 861
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 79 Resp: 1307396

Ion	Ratio	Lower	Upper
79	100		
108	77.5	60.7	91.1
77	65.7	55.4	83.2

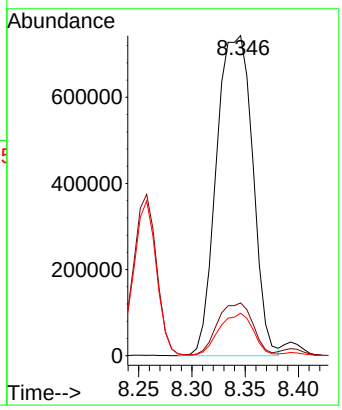




#16
2,2'-oxybis(1-Chloropropane)
Concen: 79.747 ng
RT: 8.346 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 45 Resp: 175549

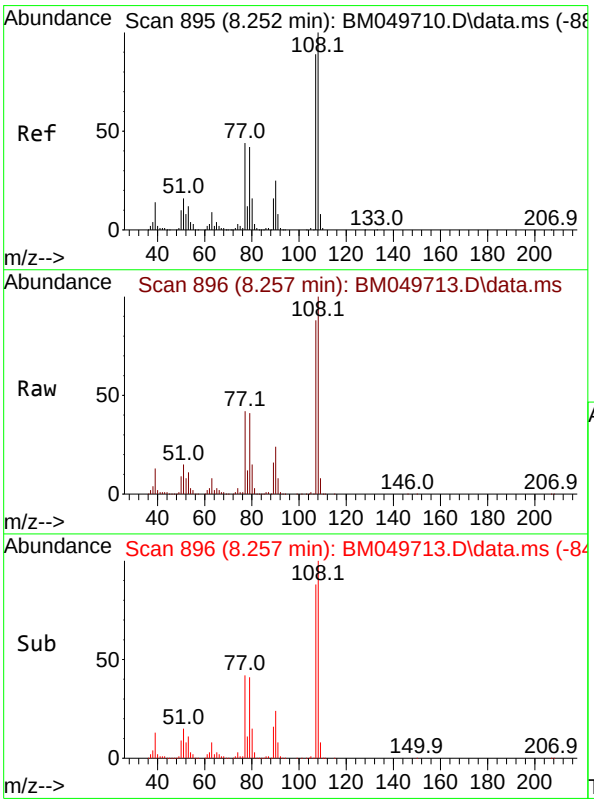
Ion	Ratio	Lower	Upper
45	100		
77	16.5	0.0	36.1
79	13.3	0.0	32.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

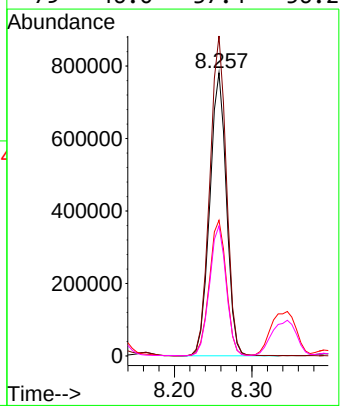
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

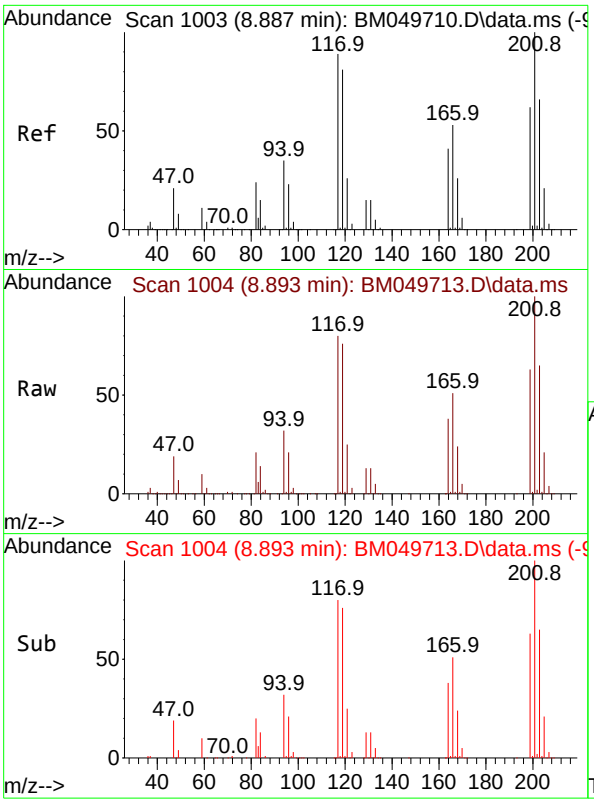


#17
2-Methylphenol
Concen: 84.879 ng
RT: 8.257 min Scan# 896
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:107 Resp: 1165523

Ion	Ratio	Lower	Upper
107	100		
108	113.0	89.6	134.4
77	47.9	39.8	59.6
79	46.0	37.4	56.2

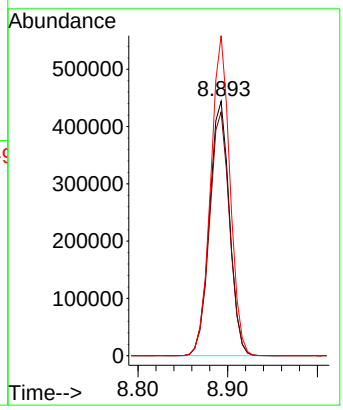




#18
Hexachloroethane
Concen: 84.211 ng
RT: 8.893 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:117 Resp: 68625

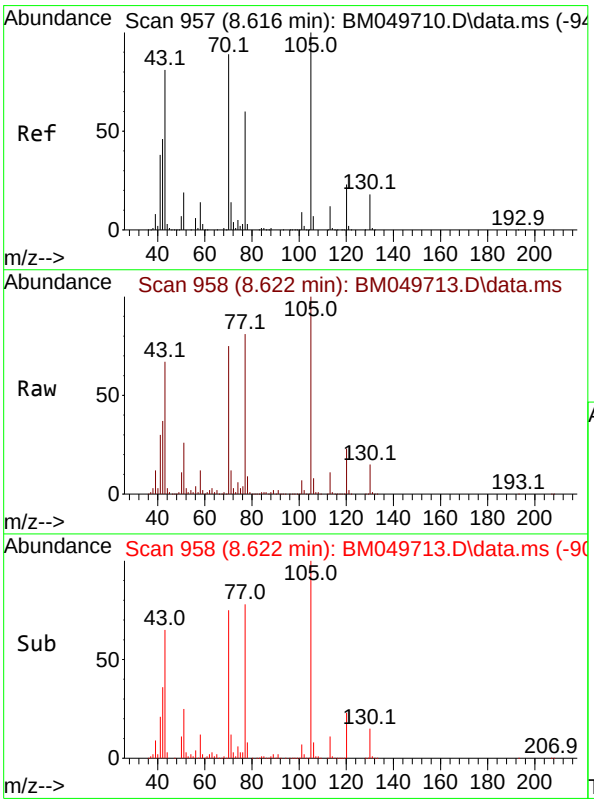
Ion	Ratio	Lower	Upper
117	100		
119	95.8	73.1	109.7
201	125.8	90.0	135.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

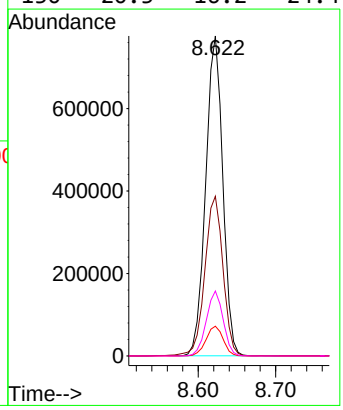
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

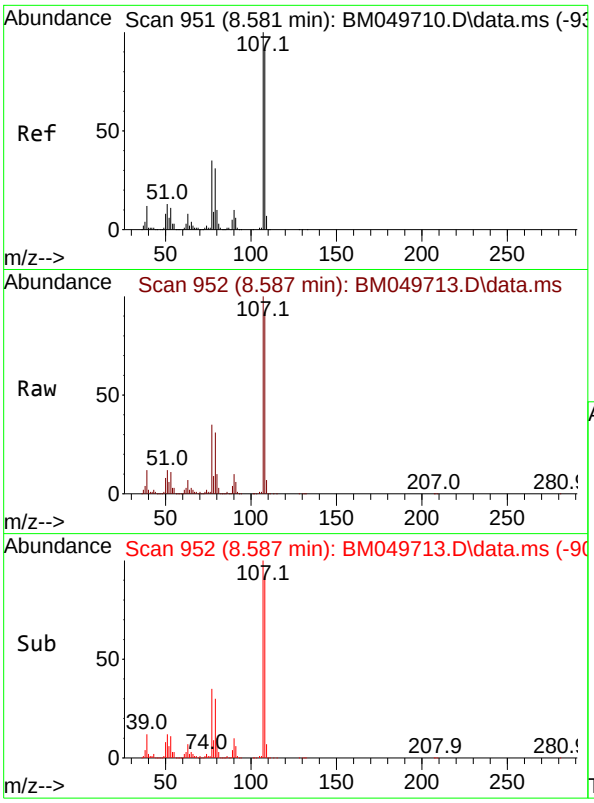


#19
n-Nitroso-di-n-propylamine
Concen: 85.807 ng
RT: 8.622 min Scan# 958
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 70 Resp: 1186843

Ion	Ratio	Lower	Upper
70	100		
42	49.9	41.8	62.6
101	9.3	7.7	11.5
130	20.3	16.2	24.4

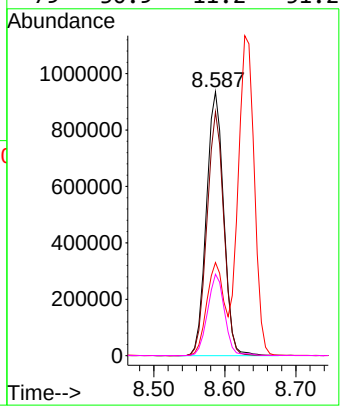




#20
3+4-Methylphenols
Concen: 85.996 ng
RT: 8.587 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:107 Resp: 158250

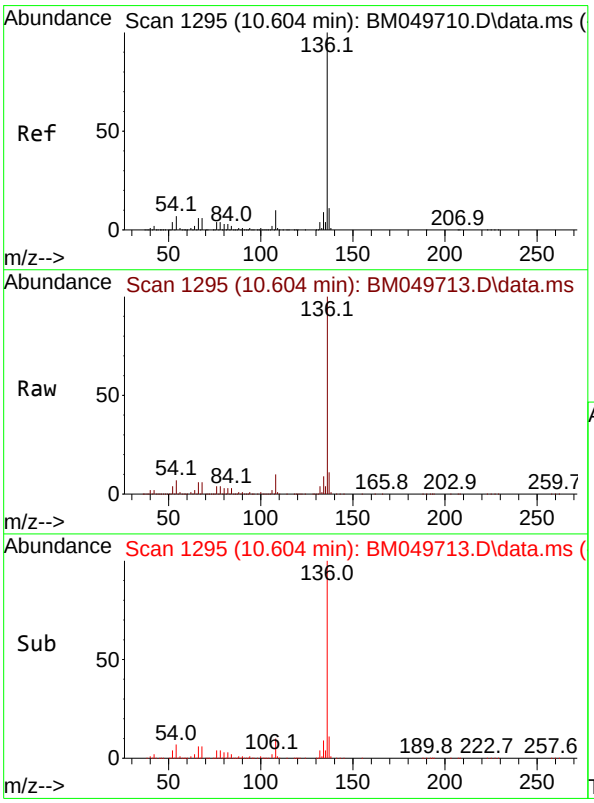
Ion	Ratio	Lower	Upper
107	100		
108	92.5	71.0	111.0
77	35.3	15.1	55.1
79	30.9	11.2	51.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

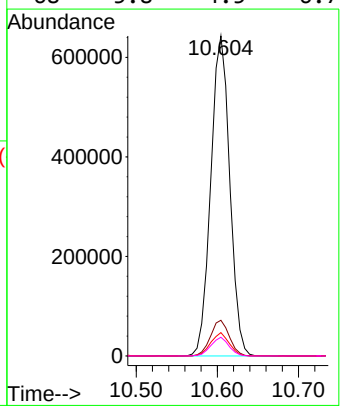
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

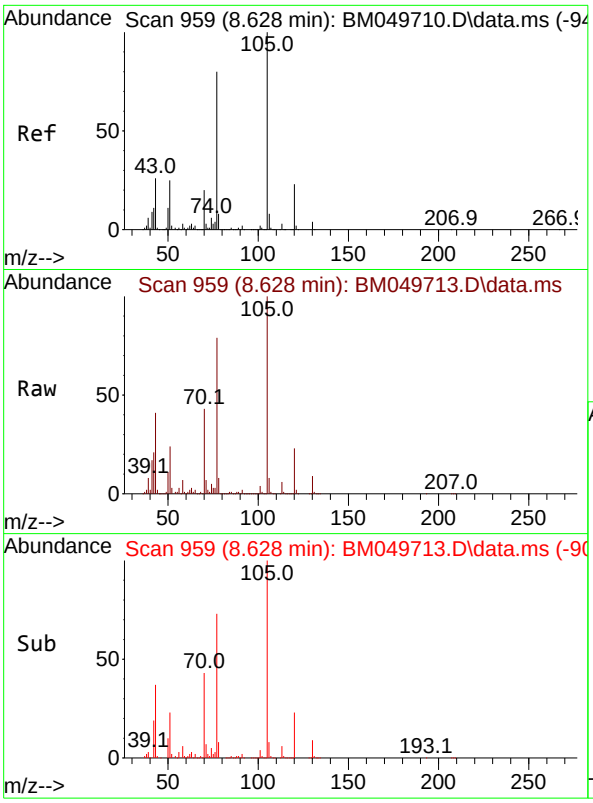


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:136 Resp: 1044790

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	7.3	5.8	8.8
68	5.8	4.5	6.7

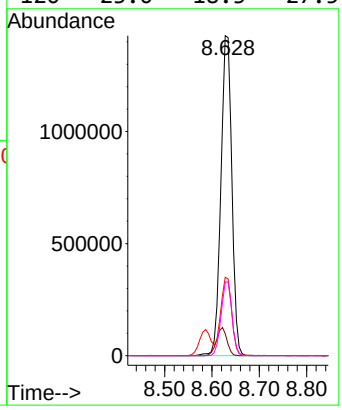




#22
Acetophenone
Concen: 85.099 ng
RT: 8.628 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:105 Resp: 229249

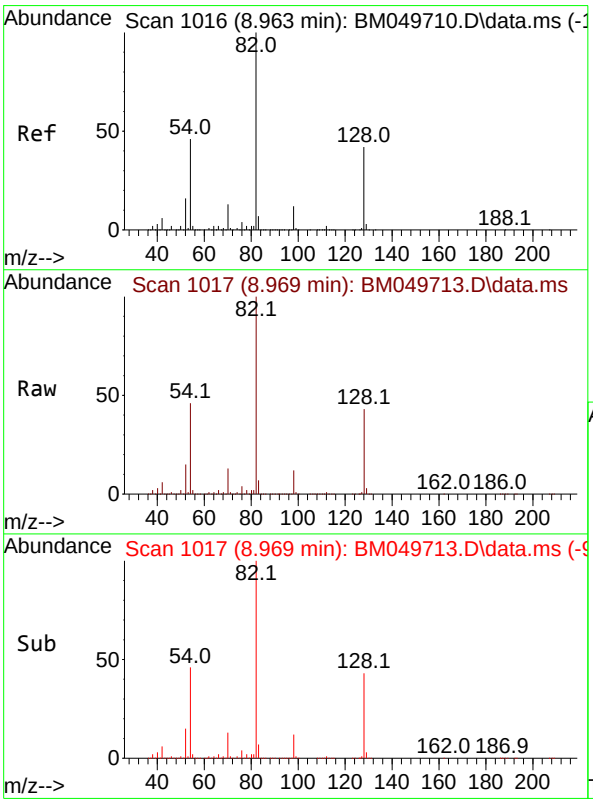
Ion	Ratio	Lower	Upper
105	100		
71	6.8	2.5	3.7
51	24.5	19.9	29.9
120	23.0	18.3	27.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

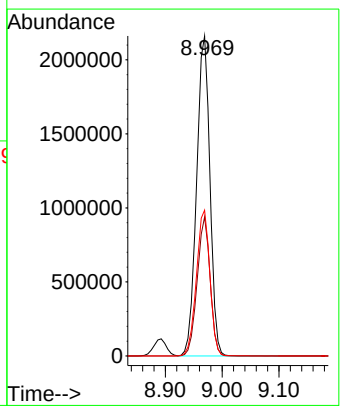
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

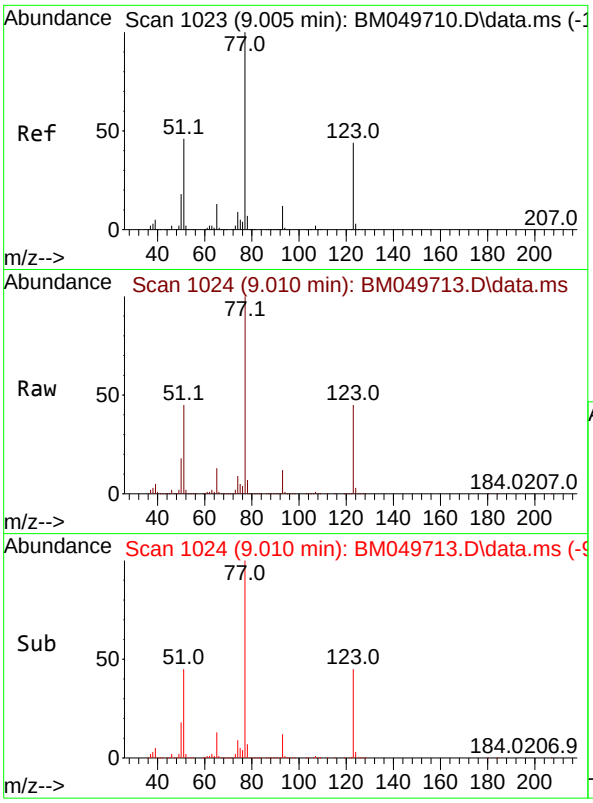


#23
Nitrobenzene-d5
Concen: 173.392 ng
RT: 8.969 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 82 Resp: 3528480

Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.4	50.0
54	45.5	36.4	54.6





#24
Nitrobenzene
Concen: 85.275 ng
RT: 9.010 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

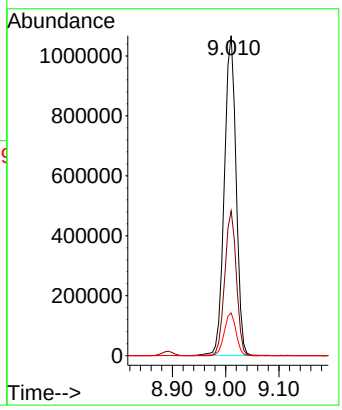
Tgt Ion: 77 Resp: 163627(

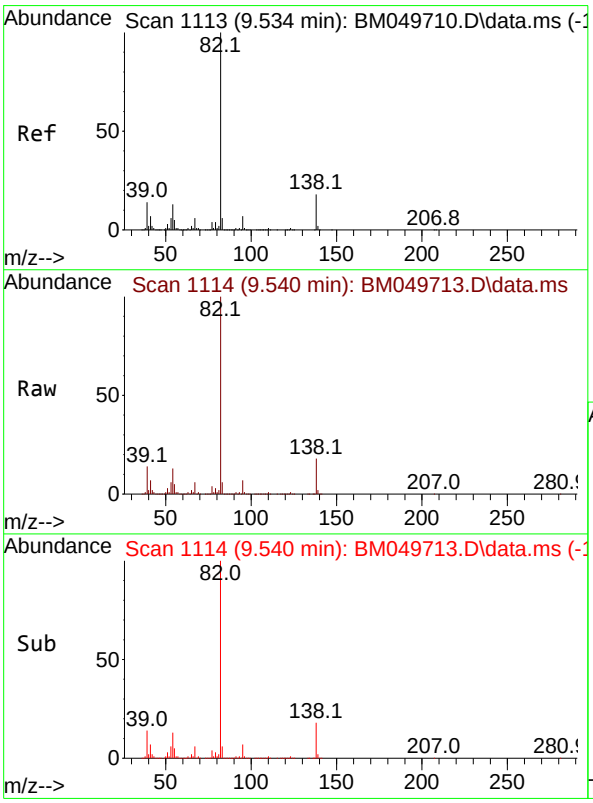
Ion	Ratio	Lower	Upper
77	100		
123	45.2	34.9	52.3
65	13.4	10.6	15.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

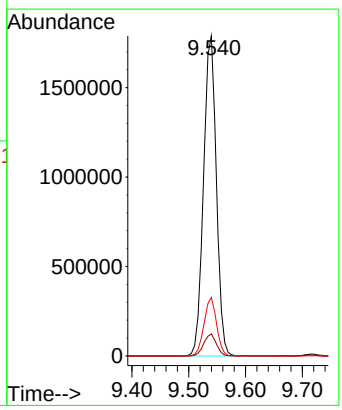


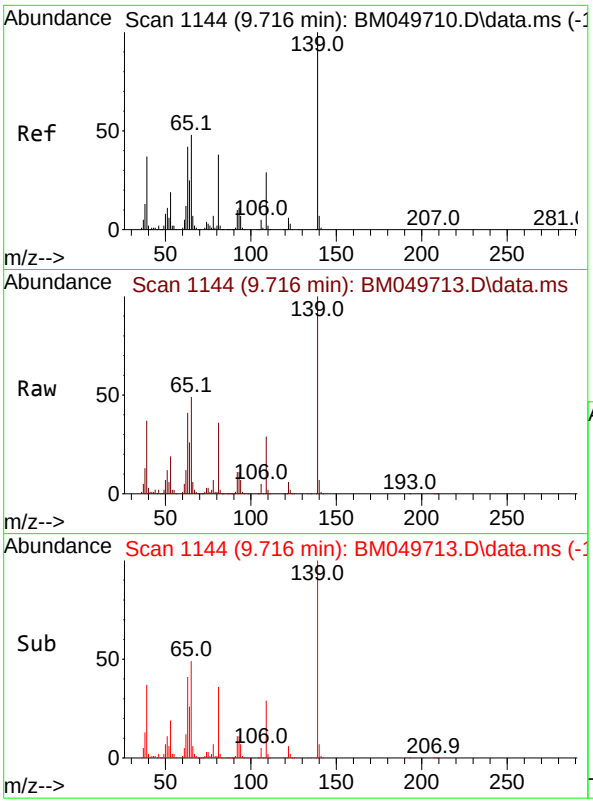


#25
Isophorone
Concen: 89.344 ng
RT: 9.540 min Scan# 1114
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 82 Resp: 2791486

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.3	7.9
138	18.3	14.4	21.6

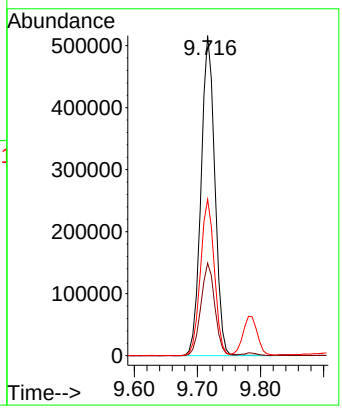




#26
2-Nitrophenol
Concen: 96.097 ng
RT: 9.716 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:139 Resp: 78482

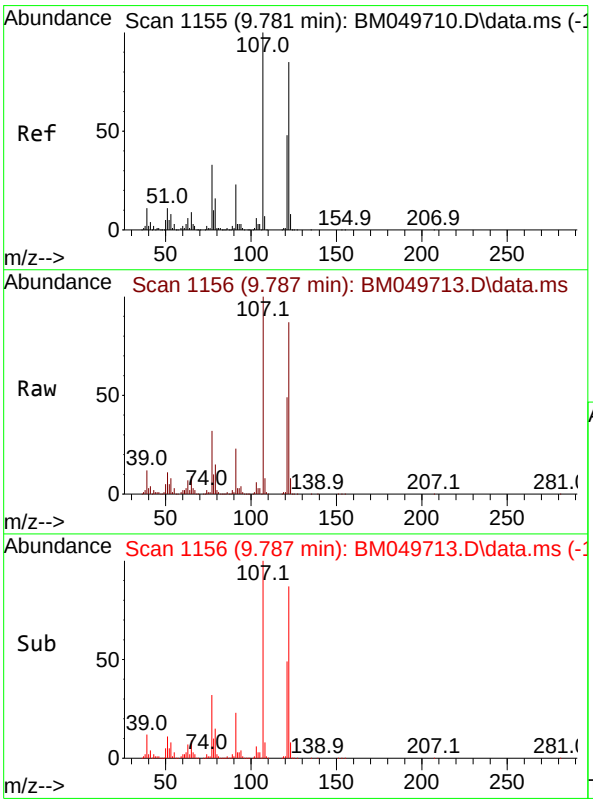
Ion	Ratio	Lower	Upper
139	100		
109	28.9	23.3	34.9
65	48.8	38.6	58.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

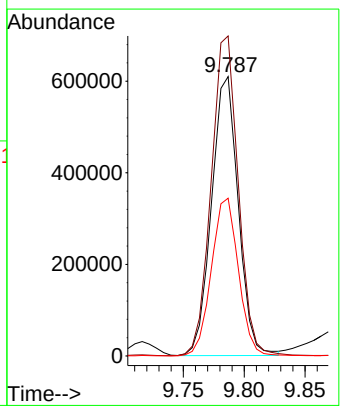
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

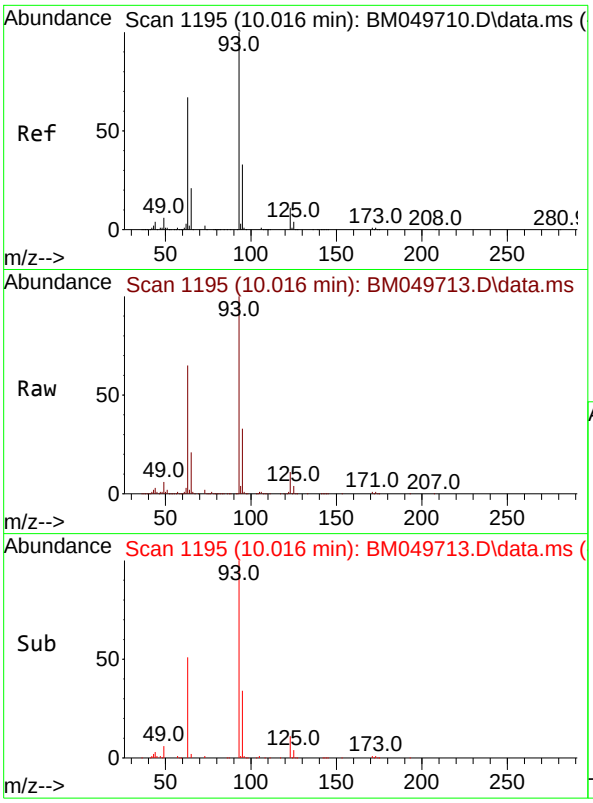


#27
2,4-Dimethylphenol
Concen: 89.713 ng
RT: 9.787 min Scan# 1156
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:122 Resp: 932622

Ion	Ratio	Lower	Upper
122	100		
107	114.5	94.3	141.5
121	56.4	45.4	68.2

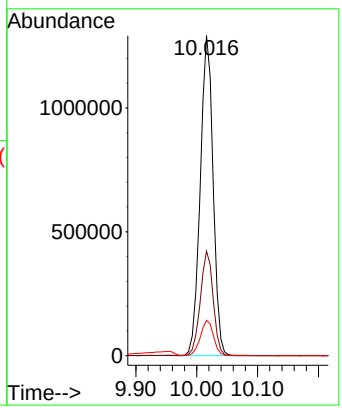




#28
bis(2-Chloroethoxy)methane
Concen: 86.068 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 93 Resp: 189399

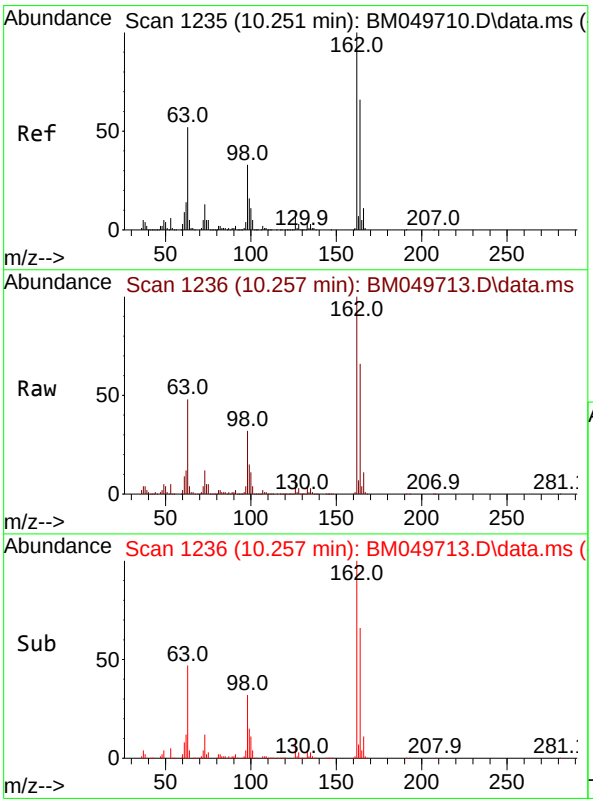
Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.6	40.0
123	11.0	9.0	13.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

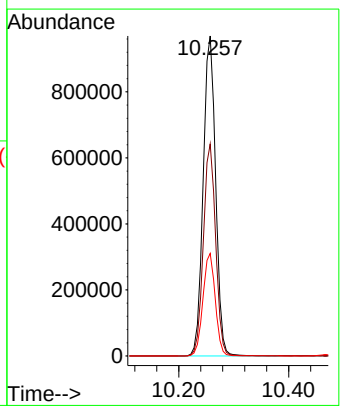
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

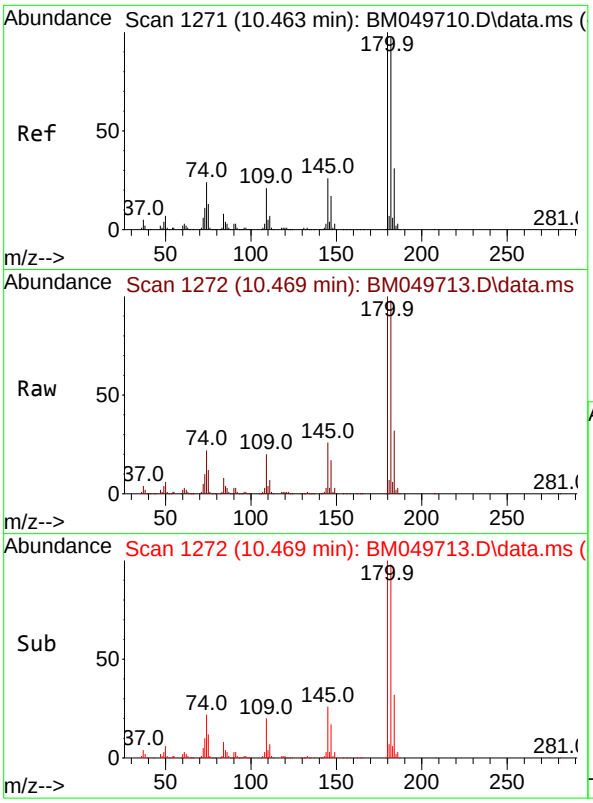


#29
2,4-Dichlorophenol
Concen: 89.758 ng
RT: 10.257 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:162 Resp: 1520440

Ion	Ratio	Lower	Upper
162	100		
164	66.3	46.3	86.3
98	32.0	12.8	52.8

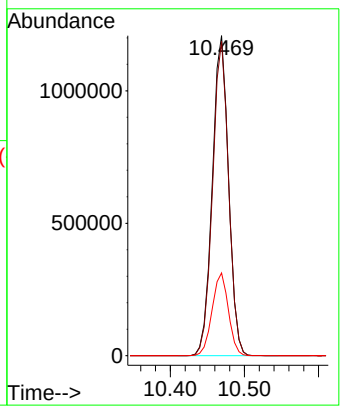




#30
1,2,4-Trichlorobenzene
Concen: 86.611 ng
RT: 10.469 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:180 Resp: 183558

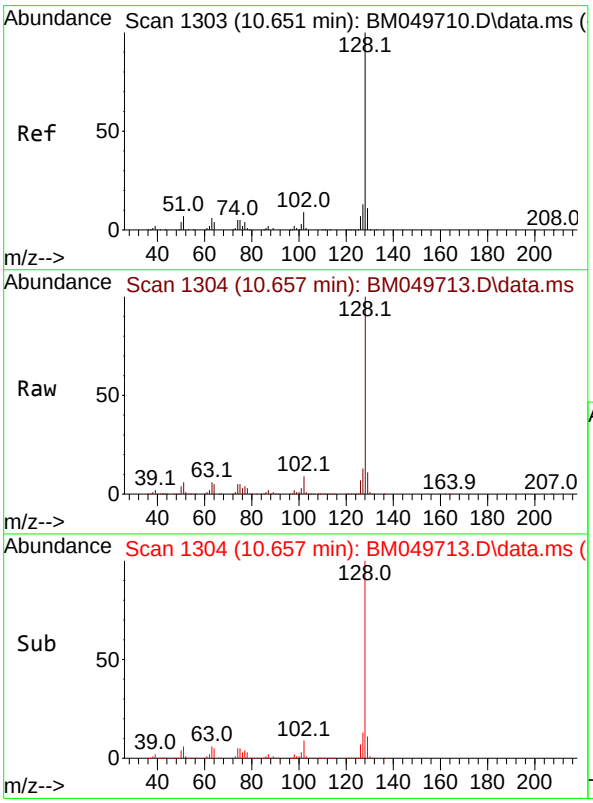
Ion	Ratio	Lower	Upper
180	100		
182	98.2	77.7	116.5
145	25.8	21.0	31.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

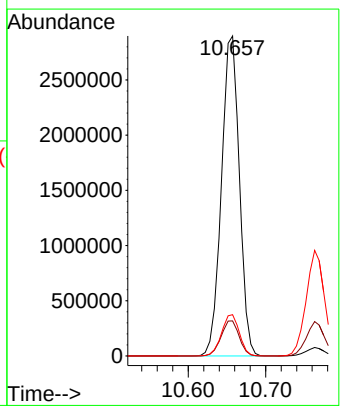
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

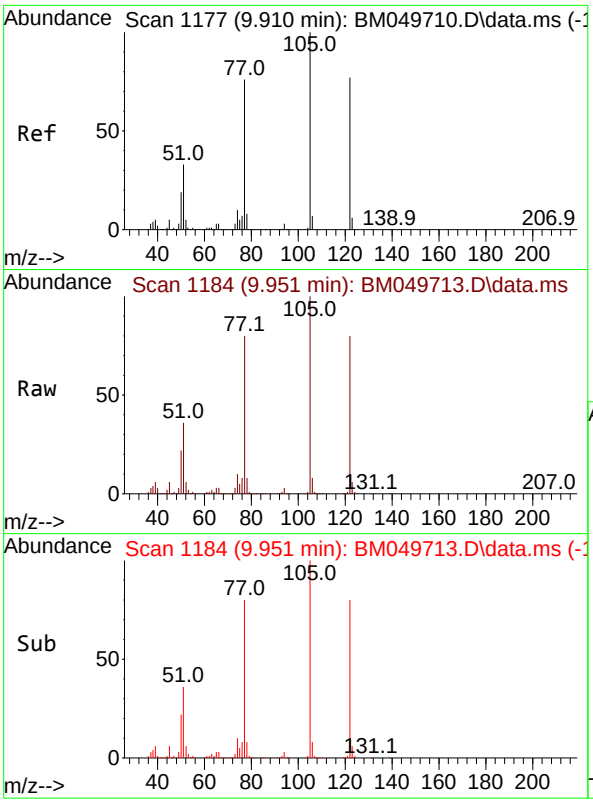


#31
Naphthalene
Concen: 86.886 ng
RT: 10.657 min Scan# 1304
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:128 Resp: 4667851

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.9	10.4	15.6

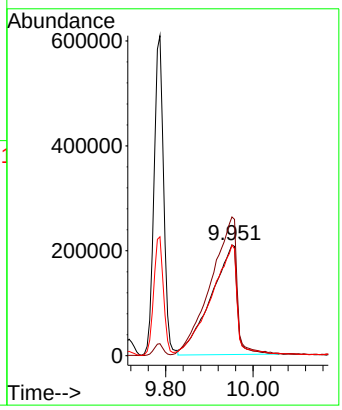




#32
Benzoic acid
Concen: 98.267 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.041 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:122 Resp: 86905

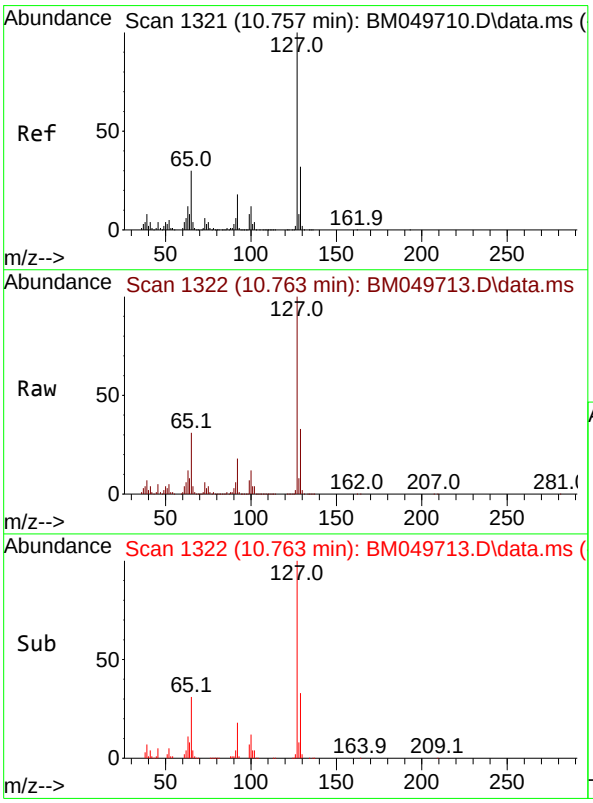
Ion	Ratio	Lower	Upper
122	100		
105	125.3	105.6	145.6
77	99.9	76.9	116.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

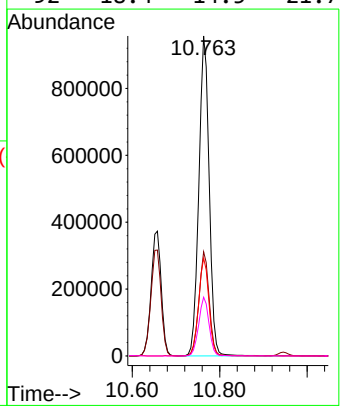
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

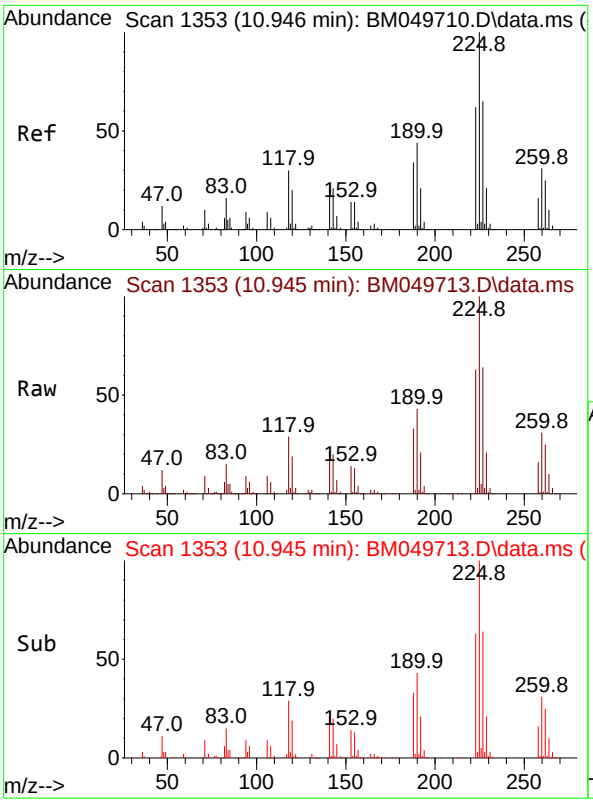


#33
4-Chloroaniline
Concen: 85.850 ng
RT: 10.763 min Scan# 1322
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:127 Resp: 1574032

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.7	38.5
65	30.6	24.1	36.1
92	18.4	14.5	21.7

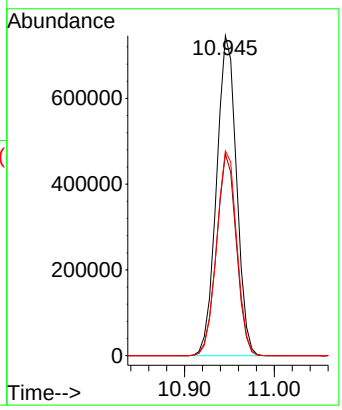




#34
Hexachlorobutadiene
Concen: 88.127 ng
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:225 Resp: 115299

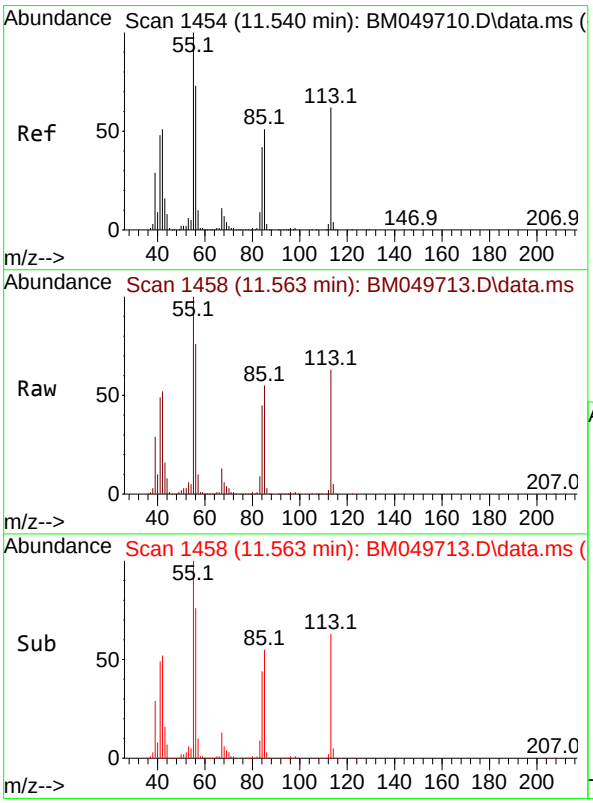
Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.8	74.8
227	64.0	52.1	78.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

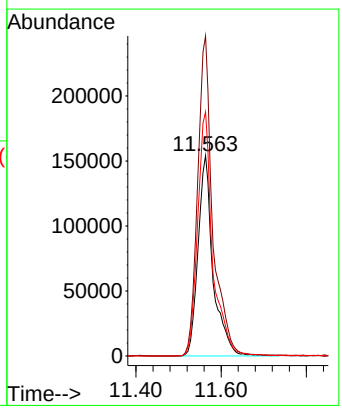
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

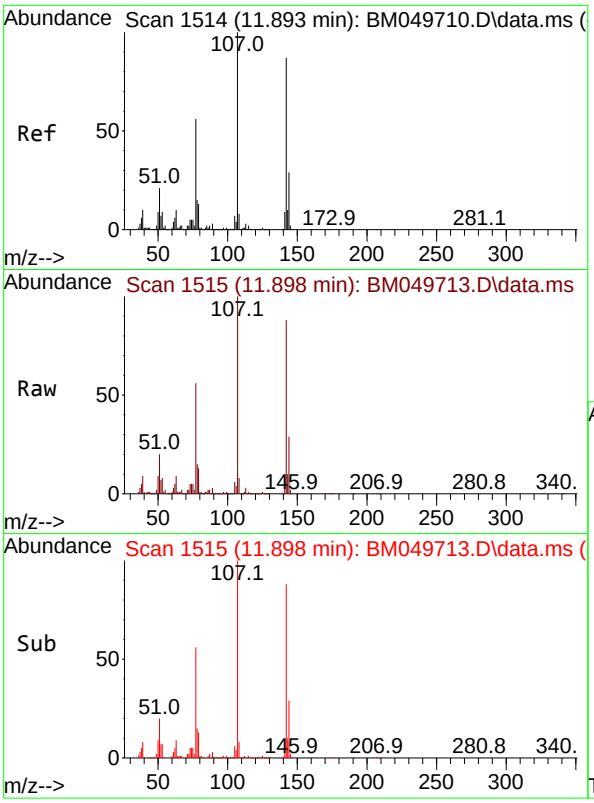


#35
Caprolactam
Concen: 95.730 ng
RT: 11.563 min Scan# 1458
Delta R.T. 0.023 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:113 Resp: 376485

Ion	Ratio	Lower	Upper
113	100		
55	159.6	141.8	181.8
56	121.7	98.0	138.0

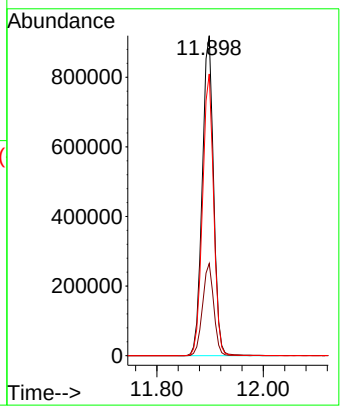




#36
4-Chloro-3-methylphenol
Concen: 92.879 ng
RT: 11.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:107 Resp: 135017

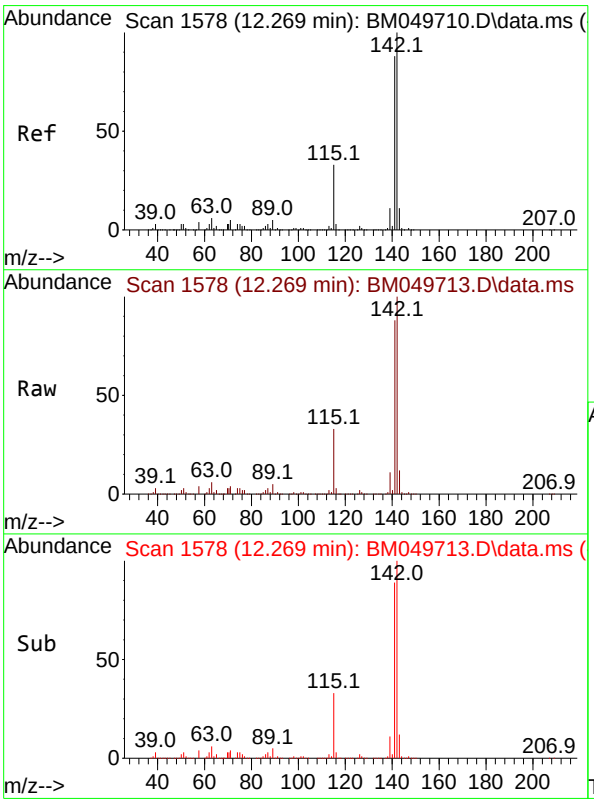
Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.0	34.6
142	88.0	69.8	104.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

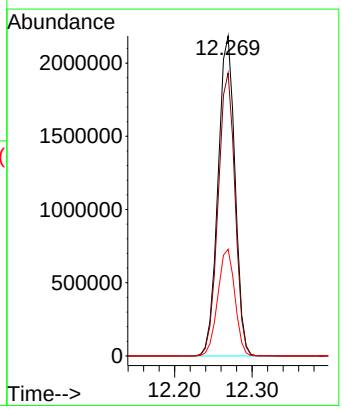
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

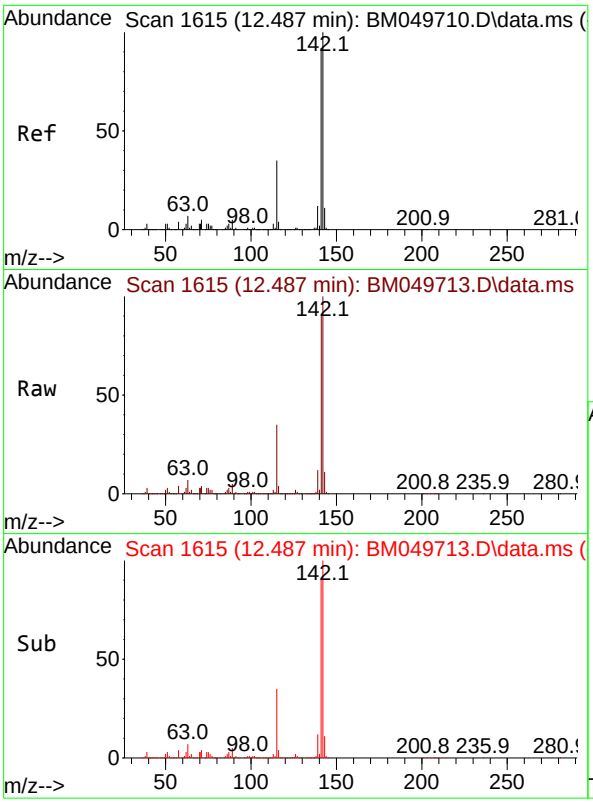


#37
2-Methylnaphthalene
Concen: 88.386 ng
RT: 12.269 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:142 Resp: 3320321

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.5	105.7
115	33.4	26.5	39.7

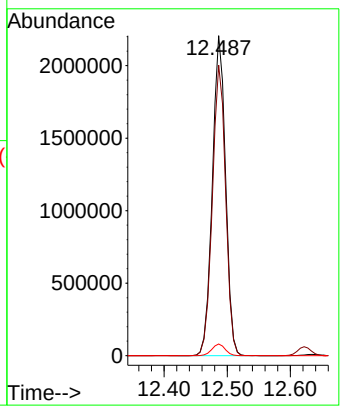




#38
1-Methylnaphthalene
Concen: 88.266 ng
RT: 12.487 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:142 Resp: 319908(

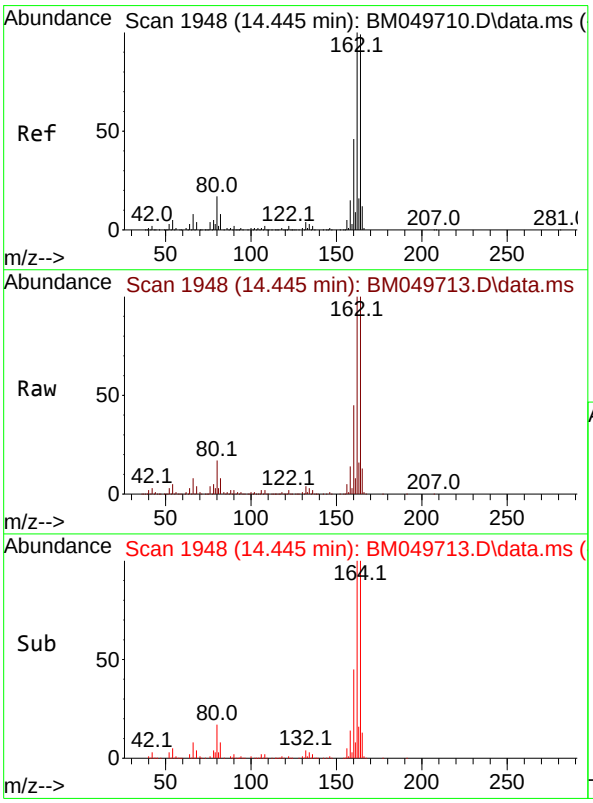
Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.4	110.2
116	3.7	2.8	4.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

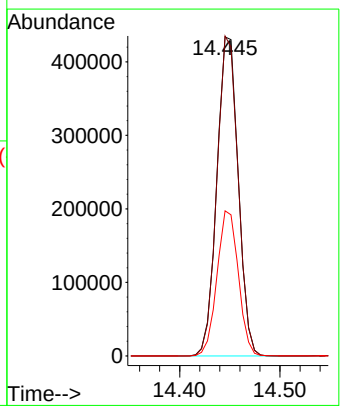
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

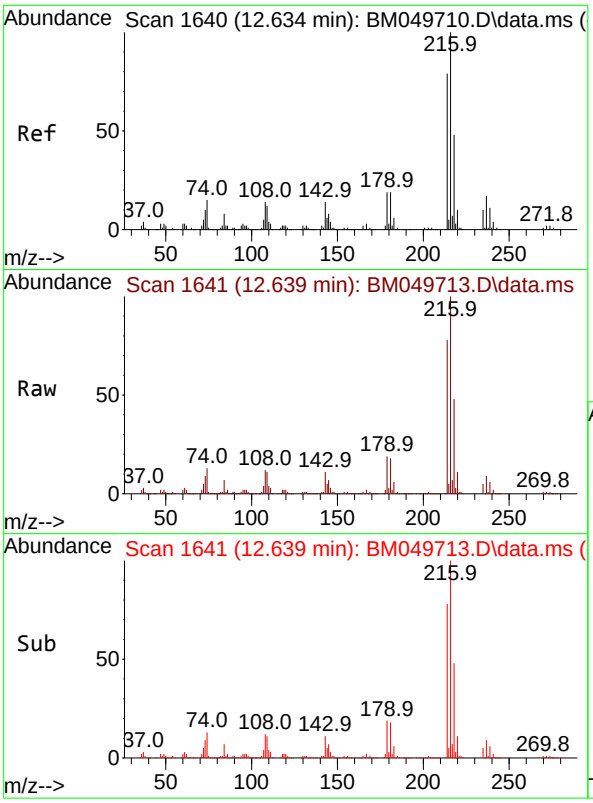


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:164 Resp: 642425

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.5	120.7
160	45.5	36.9	55.3

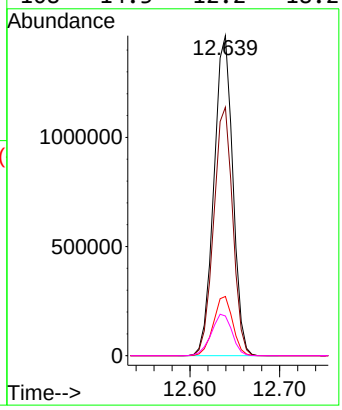




#40
1,2,4,5-Tetrachlorobenzene
Concen: 90.734 ng
RT: 12.639 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:216 Resp: 214109

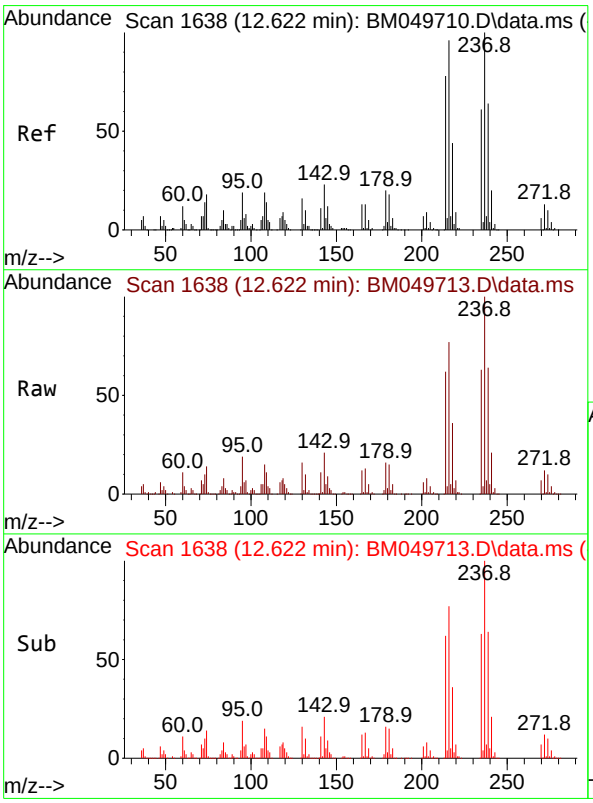
Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.5	95.3
179	19.0	15.7	23.5
108	14.3	12.2	18.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

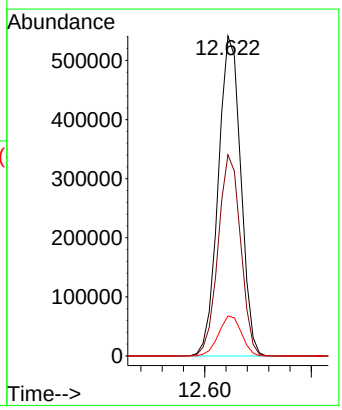
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

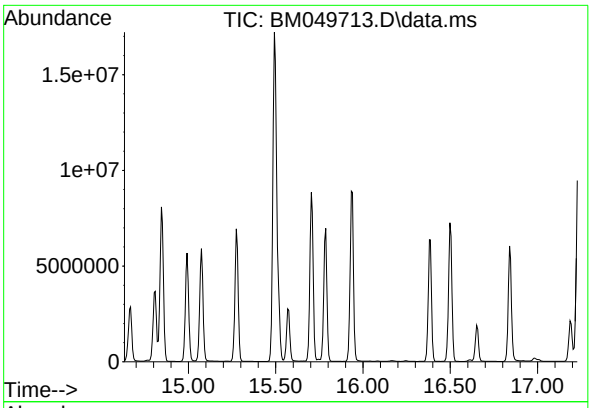


#41
Hexachlorocyclopentadiene
Concen: 90.835 ng
RT: 12.622 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:237 Resp: 794094

Ion	Ratio	Lower	Upper
237	100		
235	62.8	41.1	81.1
272	12.5	0.0	32.5





#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.93 min

Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

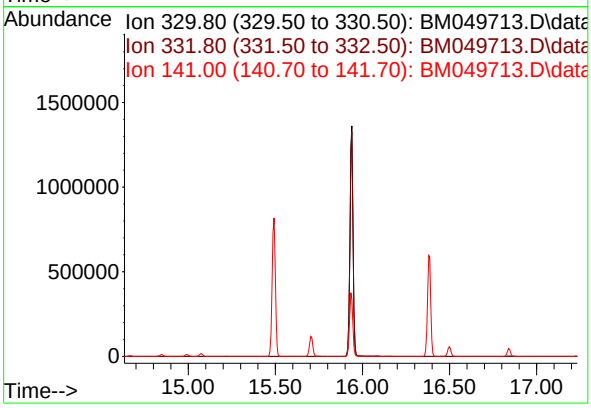
Tgt Ion: 330

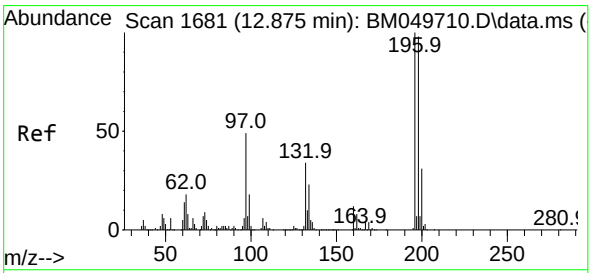
Sig	Exp Ratio
330	100
332	96.2
141	34.7

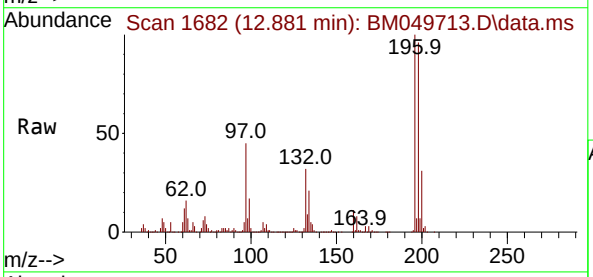
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

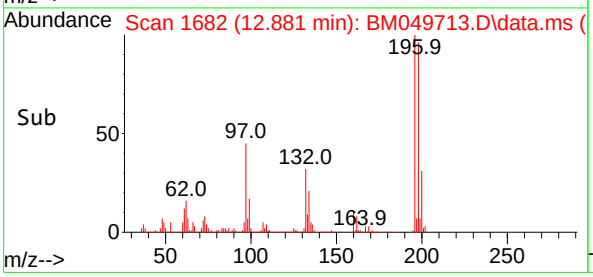
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025





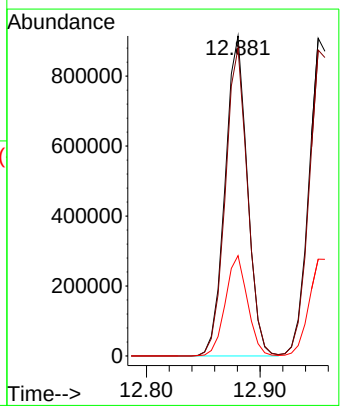


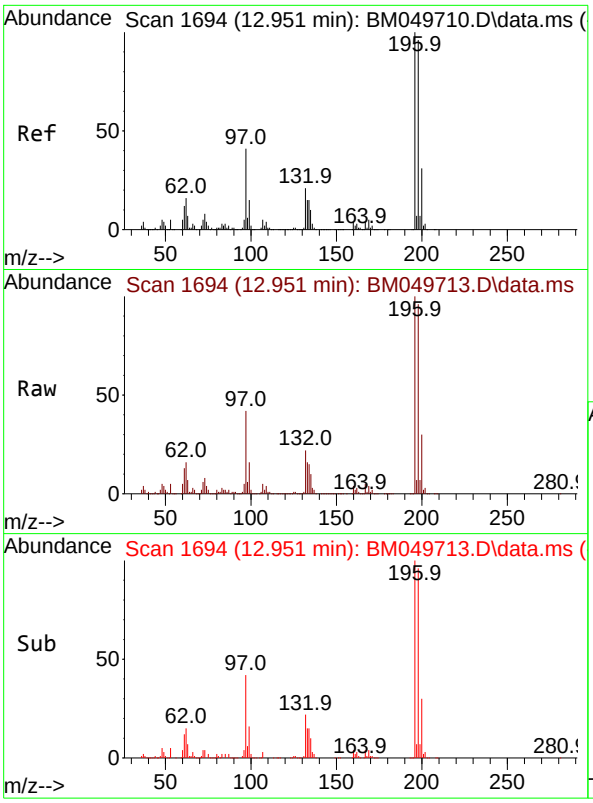


#43
2,4,6-Trichlorophenol
Concen: 94.277 ng
RT: 12.881 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:196 Resp: 1245983

Ion	Ratio	Lower	Upper
196	100		
198	96.3	78.3	117.5
200	31.4	25.1	37.7

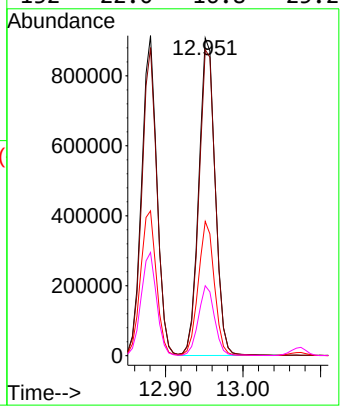




#44
2,4,5-Trichlorophenol
Concen: 92.060 ng
RT: 12.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:196 Resp: 132770

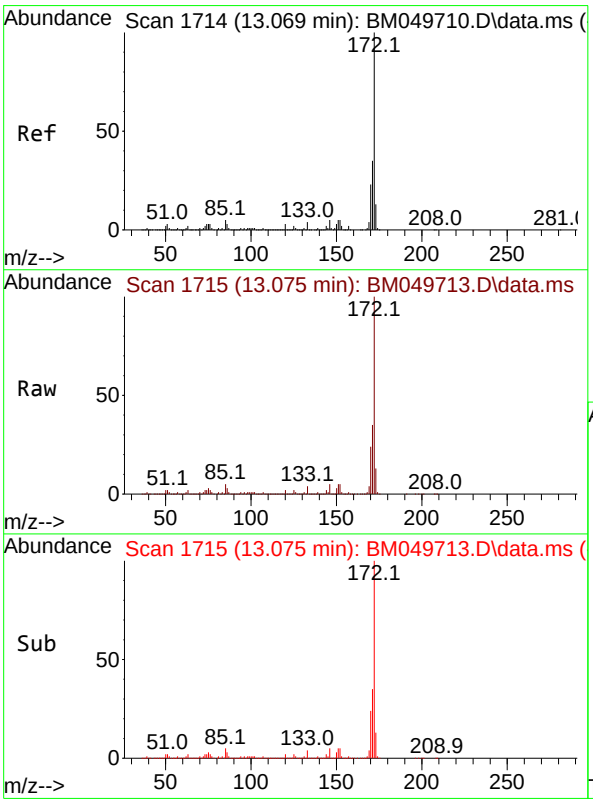
Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.7	115.1
97	42.2	32.9	49.3
132	22.0	16.8	25.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

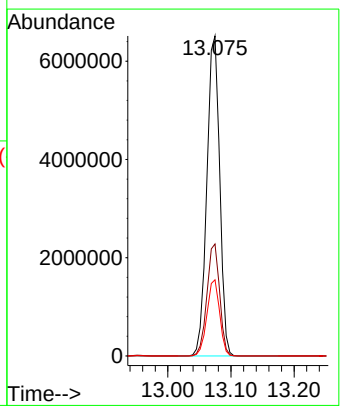
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

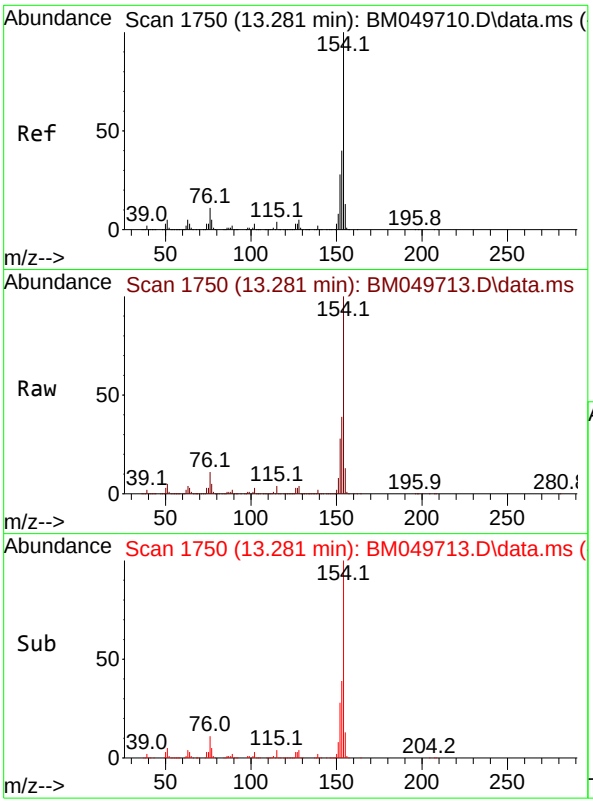


#45
2-Fluorobiphenyl
Concen: 178.410 ng
RT: 13.075 min Scan# 1715
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:172 Resp: 9151795

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.9	41.9
170	23.8	18.6	28.0

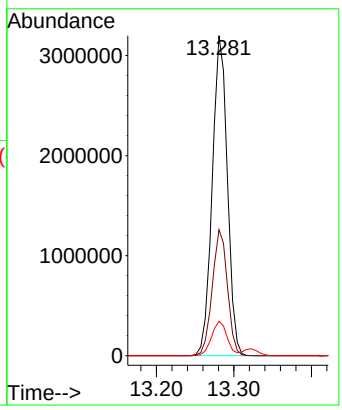




#46
1,1'-Biphenyl
Concen: 87.343 ng
RT: 13.281 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:154 Resp: 432455

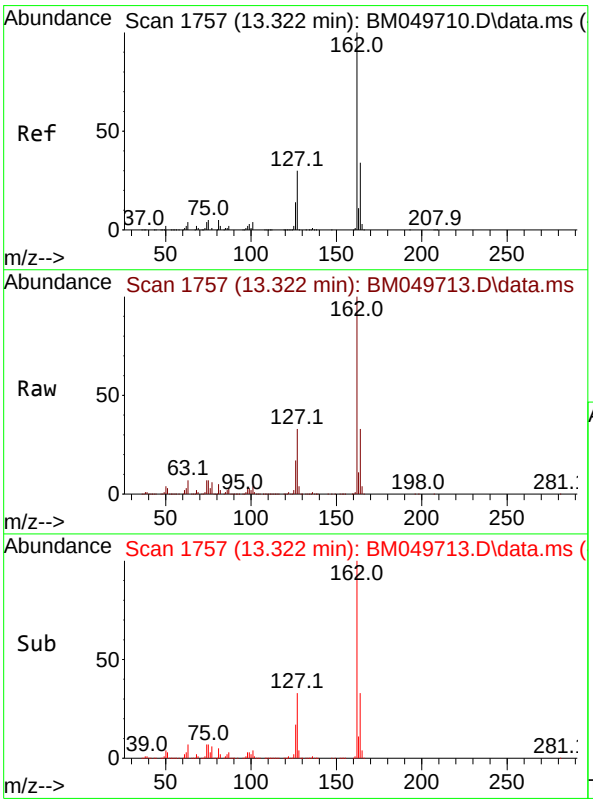
Ion	Ratio	Lower	Upper
154	100		
153	39.4	19.7	59.7
76	10.8	0.0	31.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

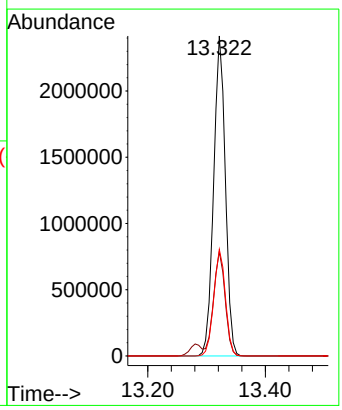
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

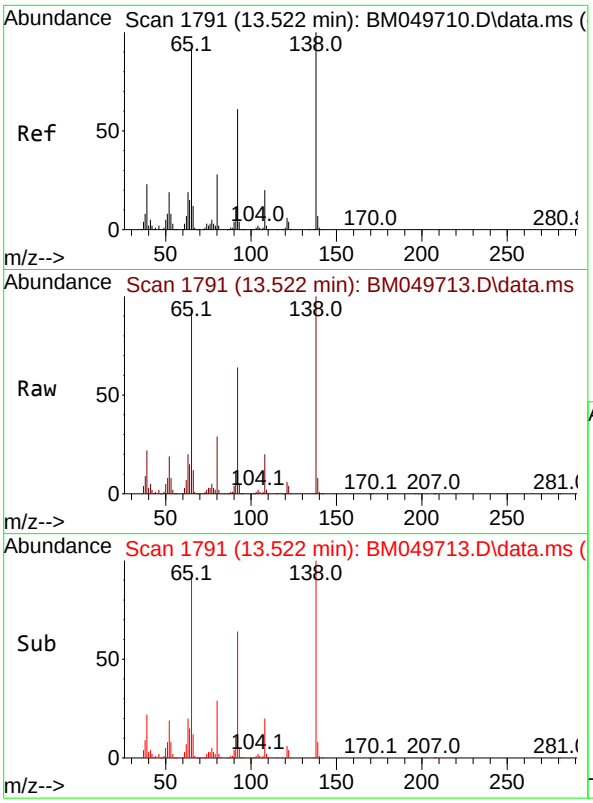


#47
2-Chloronaphthalene
Concen: 86.734 ng
RT: 13.322 min Scan# 1757
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:162 Resp: 3342606

Ion	Ratio	Lower	Upper
162	100		
127	32.6	25.8	38.6
164	33.3	27.1	40.7

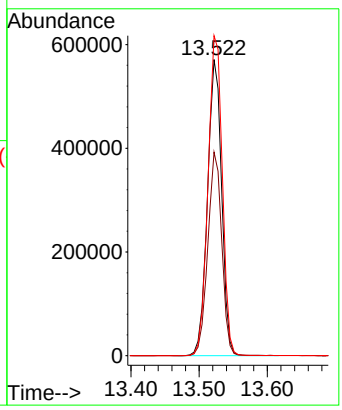




#48
2-Nitroaniline
Concen: 95.132 ng
RT: 13.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 65 Resp: 82302

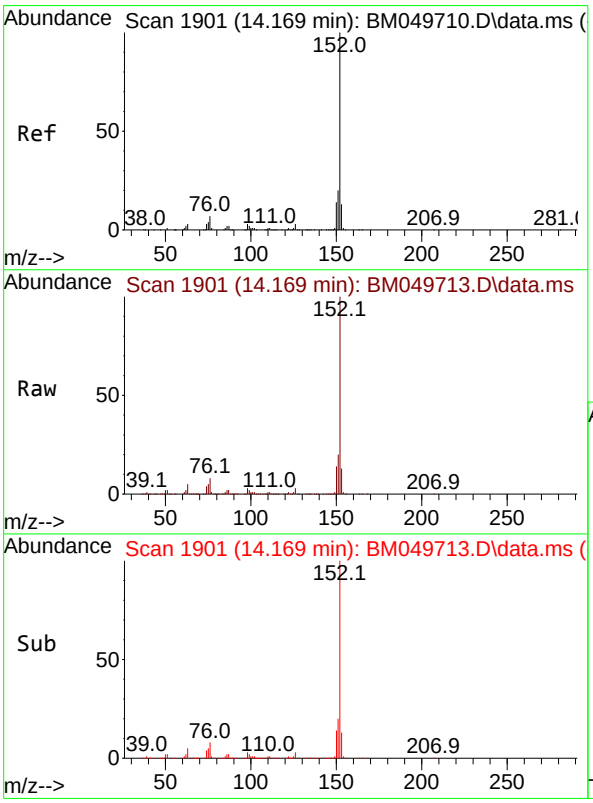
Ion	Ratio	Lower	Upper
65	100		
92	68.7	53.4	80.2
138	108.0	87.6	131.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

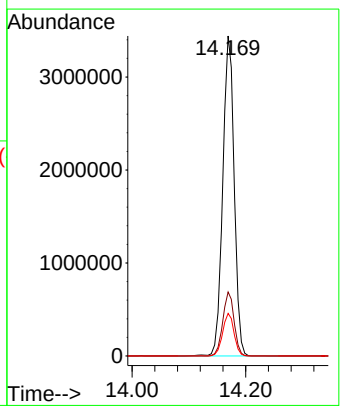
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

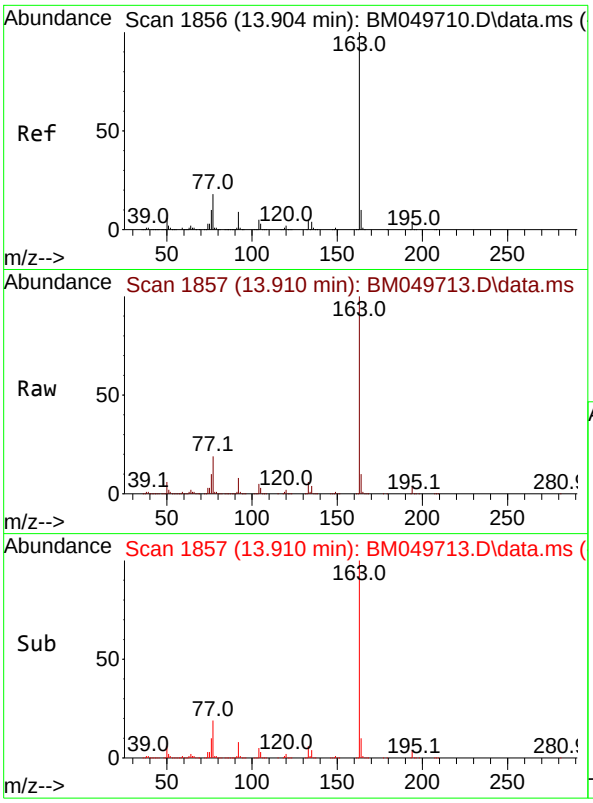


#49
Acenaphthylene
Concen: 89.516 ng
RT: 14.169 min Scan# 1901
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:152 Resp: 4822145

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.3	10.2	15.4

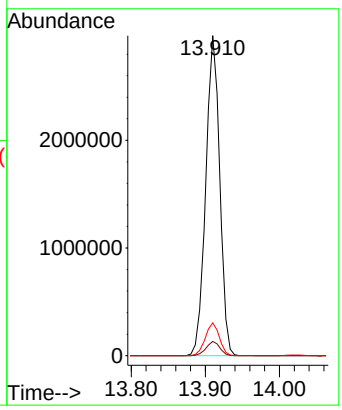




#50
Dimethylphthalate
Concen: 87.869 ng
RT: 13.910 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:163 Resp: 388650

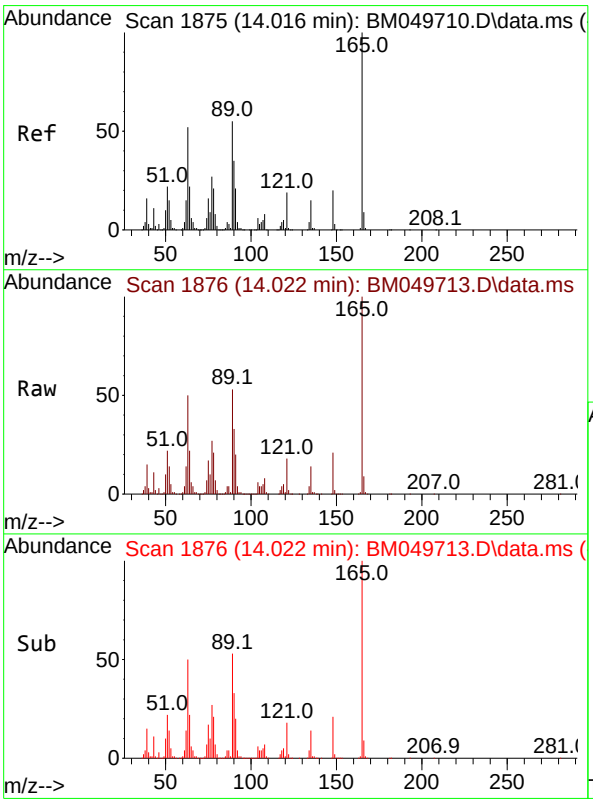
Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	10.3	8.2	12.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

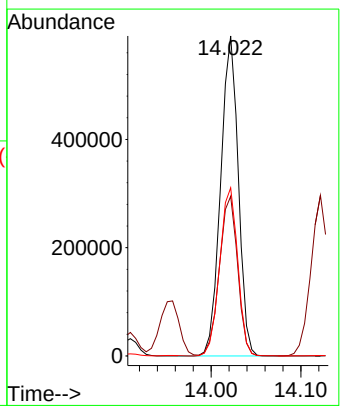
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

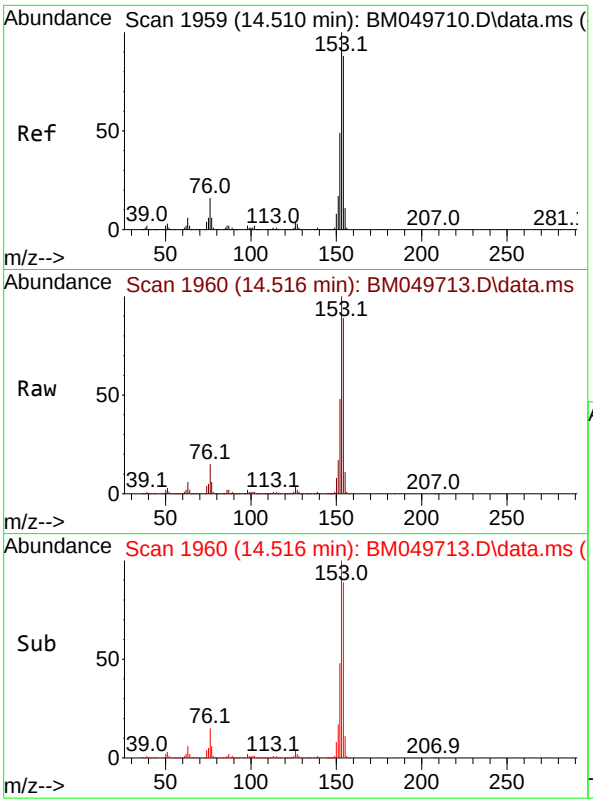


#51
2,6-Dinitrotoluene
Concen: 90.994 ng
RT: 14.022 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:165 Resp: 806435

Ion	Ratio	Lower	Upper
165	100		
63	49.9	42.3	63.5
89	52.6	43.9	65.9

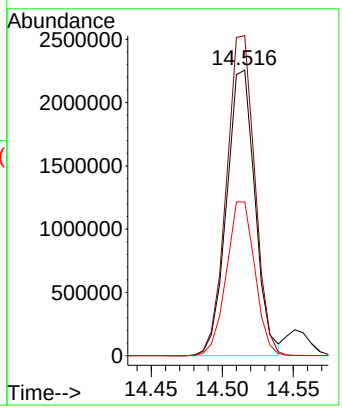




#52
Acenaphthene
Concen: 89.077 ng
RT: 14.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:154 Resp: 314360

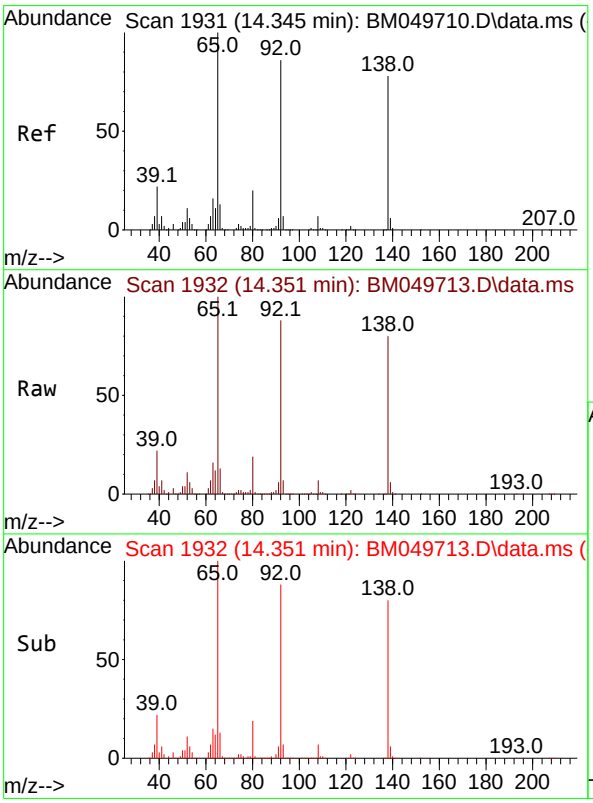
Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.4	135.6
152	53.8	44.2	66.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

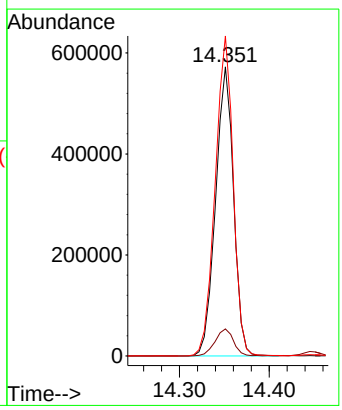
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

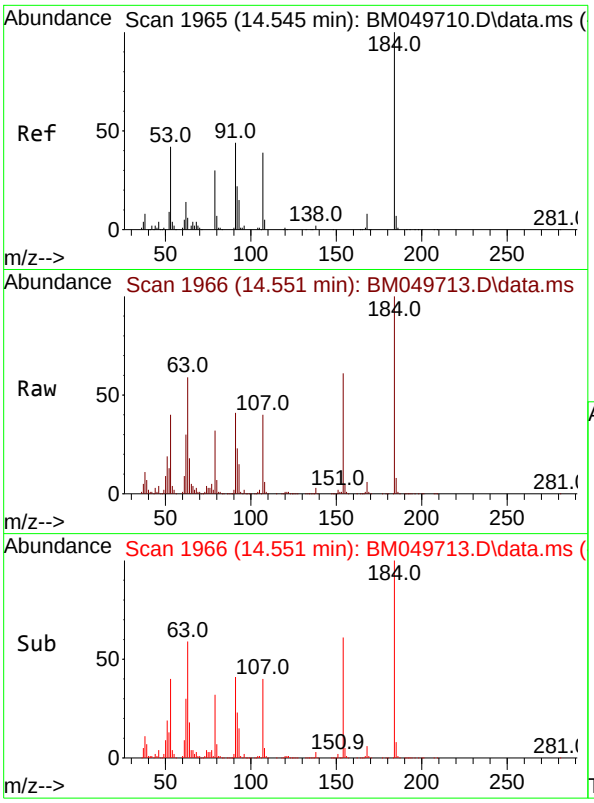


#53
3-Nitroaniline
Concen: 94.437 ng
RT: 14.351 min Scan# 1932
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:138 Resp: 796441

Ion	Ratio	Lower	Upper
138	100		
108	9.4	7.5	11.3
92	110.7	88.0	132.0

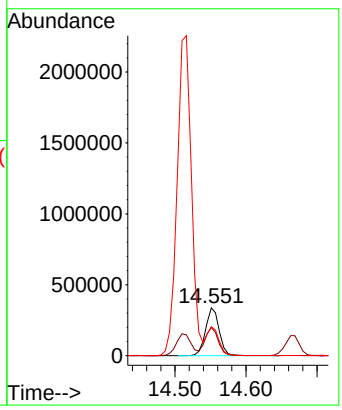




#54
2,4-Dinitrophenol
Concen: 79.774 ng
RT: 14.551 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:184 Resp: 44812

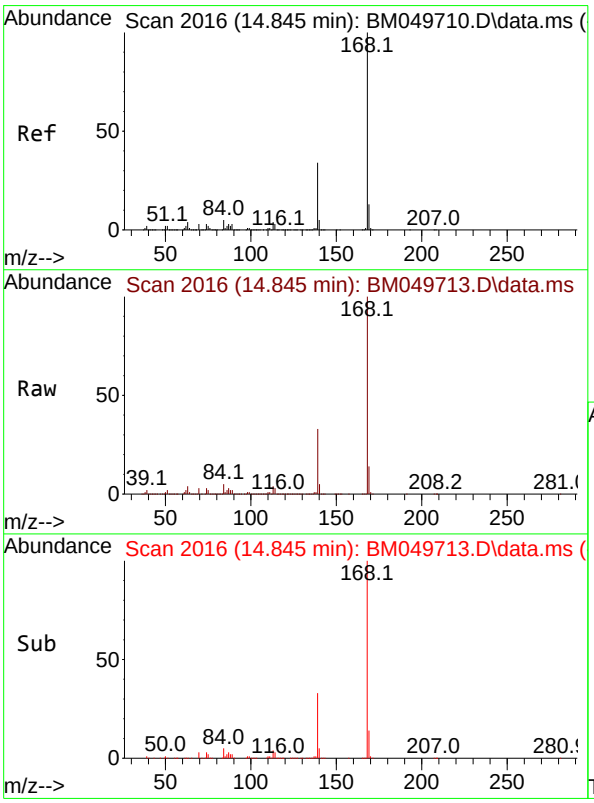
Ion	Ratio	Lower	Upper
184	100		
63	59.1	47.2	70.8
154	60.6	49.9	74.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

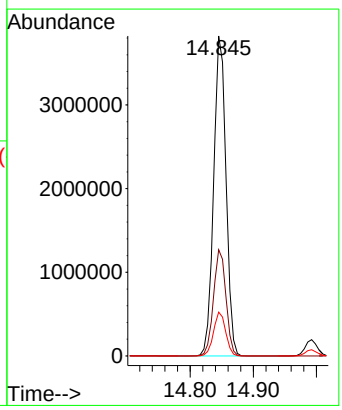
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

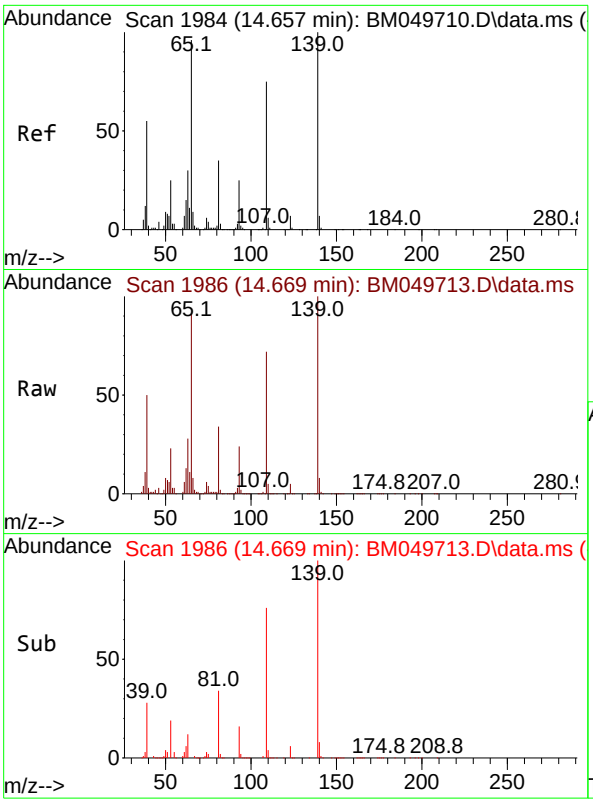


#55
Dibenzofuran
Concen: 88.075 ng
RT: 14.845 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:168 Resp: 5185747

Ion	Ratio	Lower	Upper
168	100		
139	33.2	27.4	41.0
169	13.7	10.7	16.1

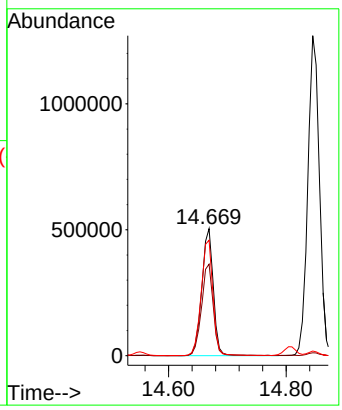




#56
4-Nitrophenol
Concen: 93.537 ng
RT: 14.669 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:139 Resp: 68666

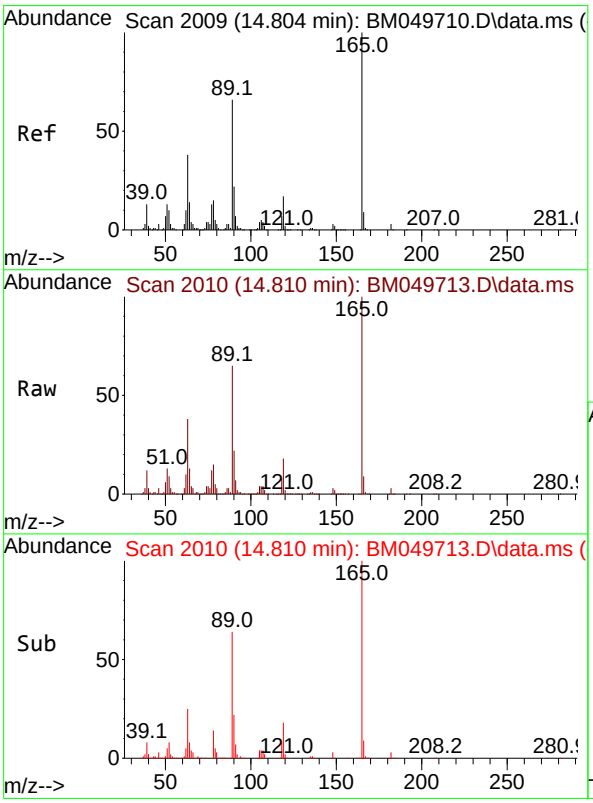
Ion	Ratio	Lower	Upper
139	100		
109	72.1	54.7	94.7
65	90.9	76.2	116.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

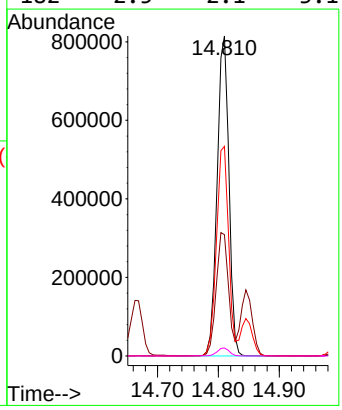
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

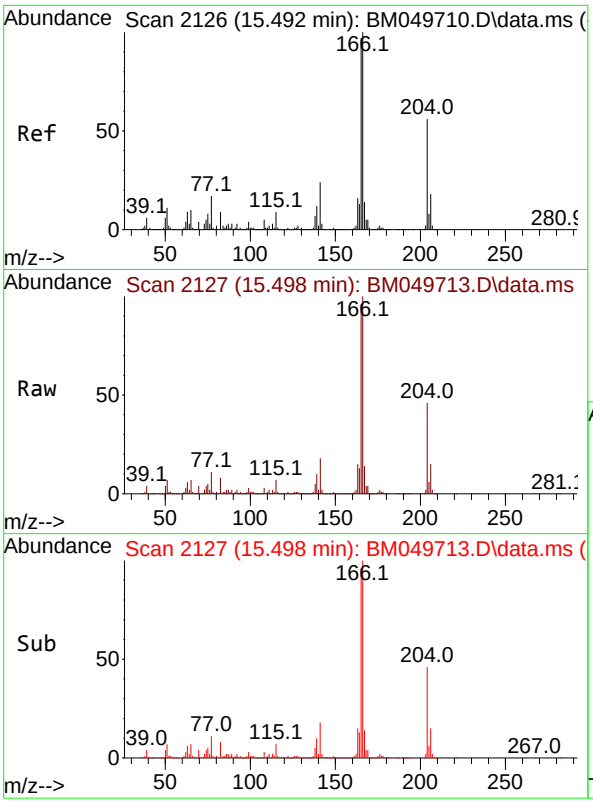


#57
2,4-Dinitrotoluene
Concen: 95.850 ng
RT: 14.810 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:165 Resp: 1093074

Ion	Ratio	Lower	Upper
165	100		
63	37.9	30.8	46.2
89	65.5	53.1	79.7
182	2.5	2.1	3.1

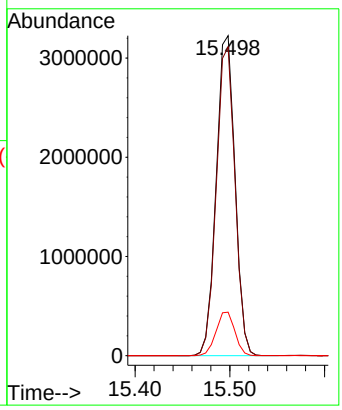




#58
Fluorene
Concen: 92.838 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:166 Resp: 445043

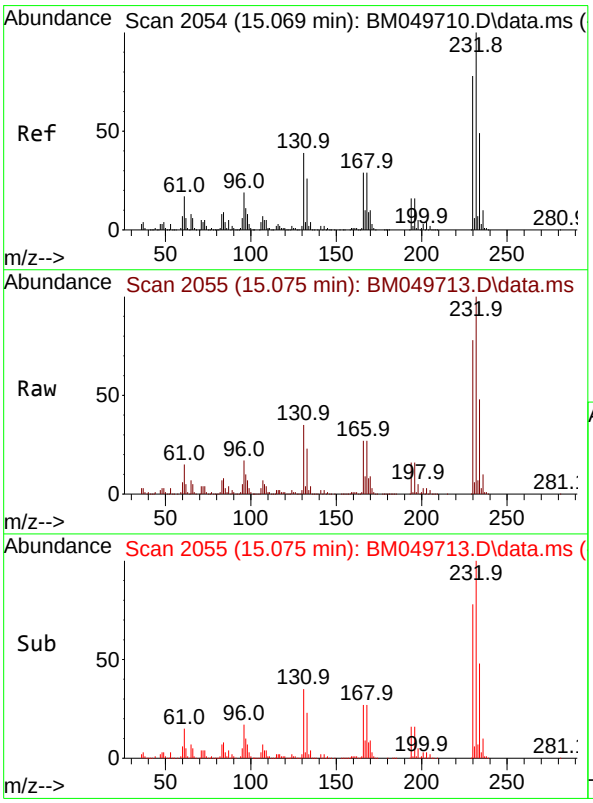
Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.5	116.3
167	13.6	10.9	16.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

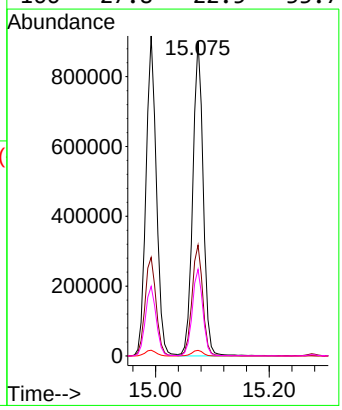
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

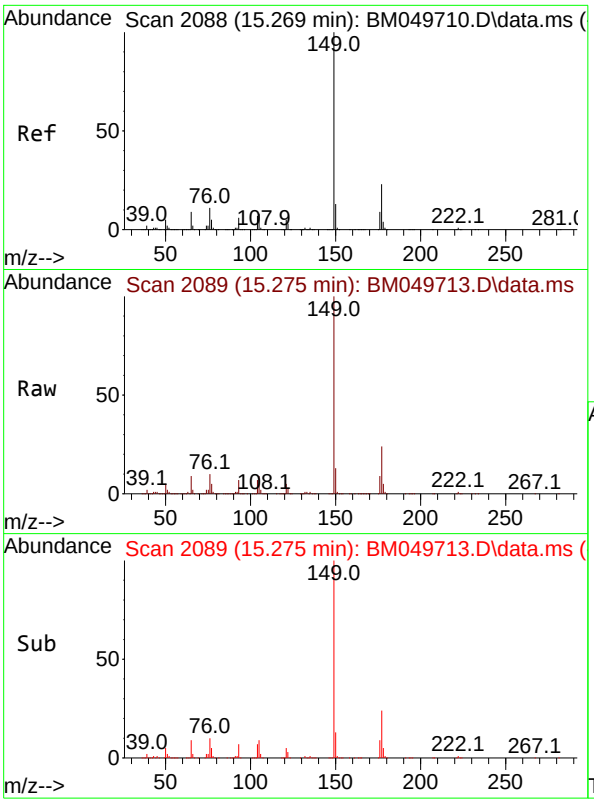


#59
2,3,4,6-Tetrachlorophenol
Concen: 95.892 ng
RT: 15.075 min Scan# 2055
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:232 Resp: 1157649

Ion	Ratio	Lower	Upper
232	100		
131	35.9	30.0	45.0
130	1.9	1.6	2.4
166	27.8	22.5	33.7





#60
Diethylphthalate
Concen: 90.238 ng
RT: 15.275 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

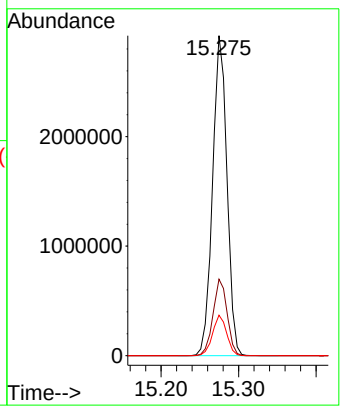
Tgt Ion:149 Resp: 375909

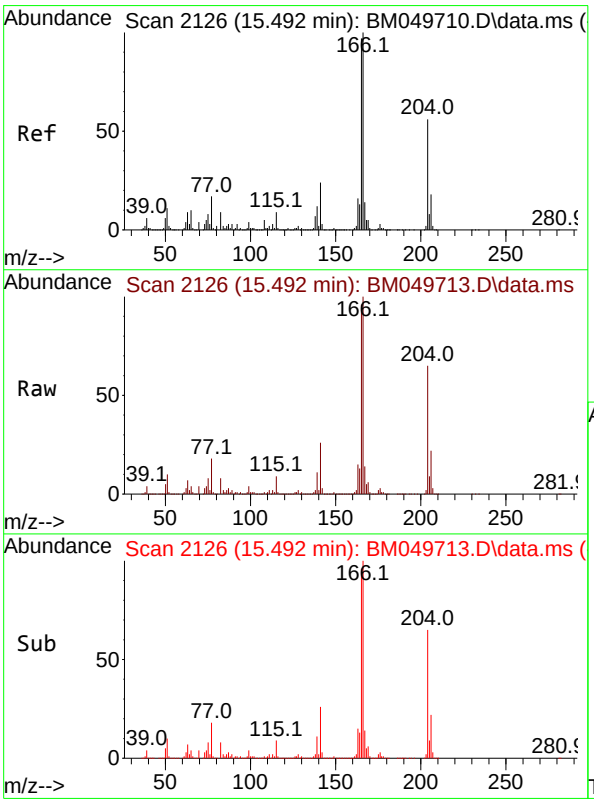
Ion	Ratio	Lower	Upper
149	100		
177	23.9	18.2	27.2
150	12.7	10.0	15.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

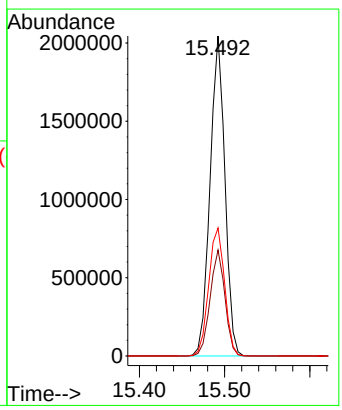


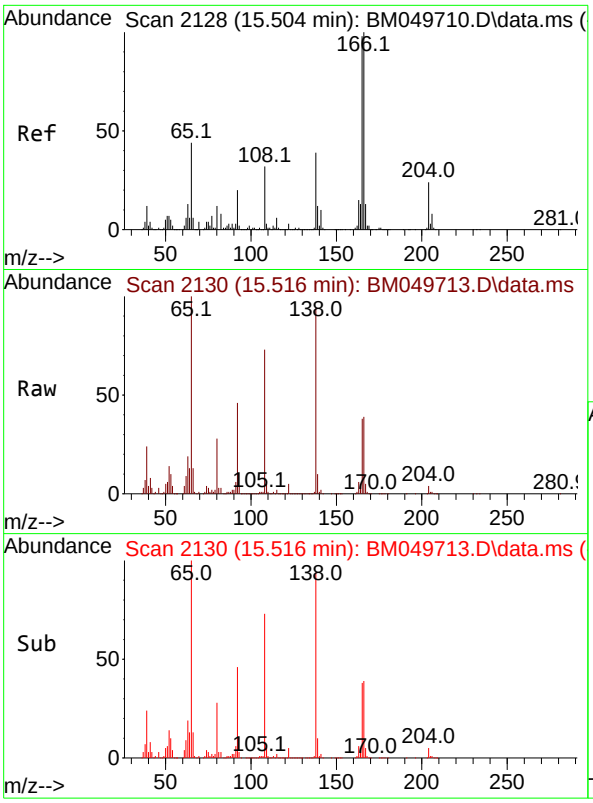


#61
4-Chlorophenyl-phenylether
Concen: 94.541 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:204 Resp: 2474798

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.2	37.8
141	40.0	34.5	51.7

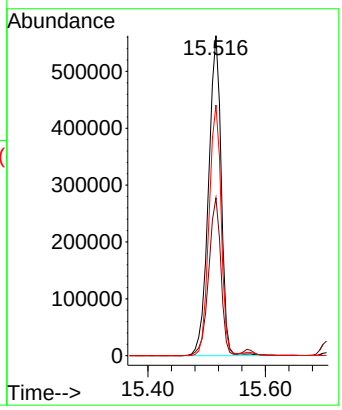




#62
4-Nitroaniline
Concen: 81.361 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:138 Resp: 84482

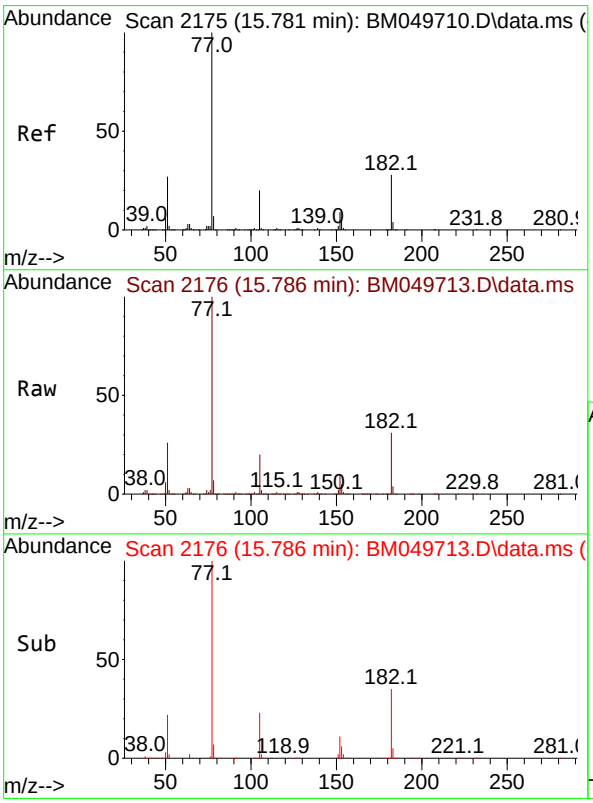
Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.8	69.8
108	78.3	61.3	101.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

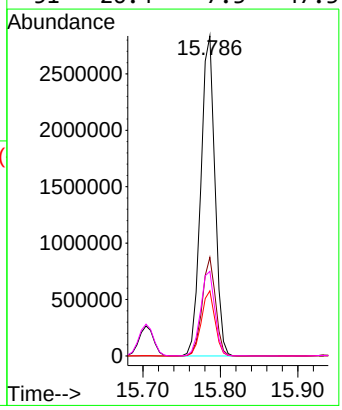
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

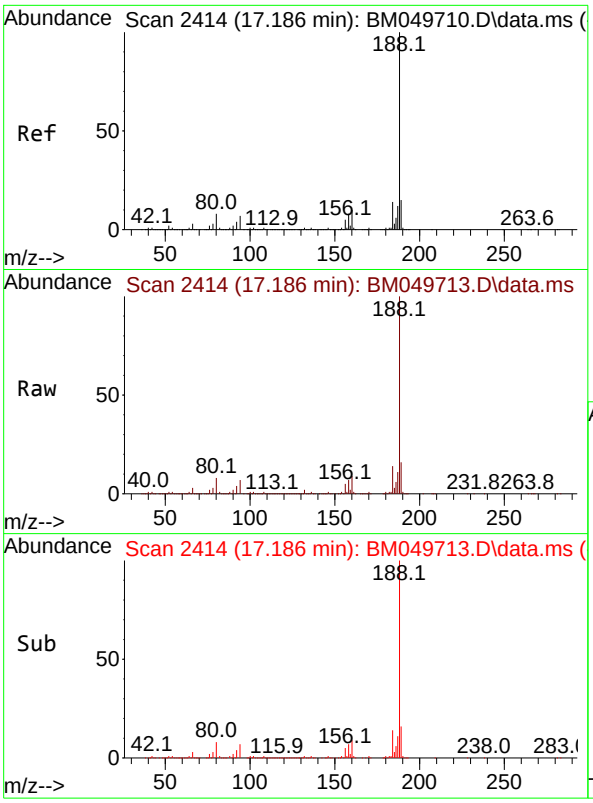


#63
Azobenzene
Concen: 89.793 ng
RT: 15.786 min Scan# 2176
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion: 77 Resp: 3572876

Ion	Ratio	Lower	Upper
77	100		
182	30.8	8.0	48.0
105	20.4	0.0	40.0
51	26.4	7.3	47.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

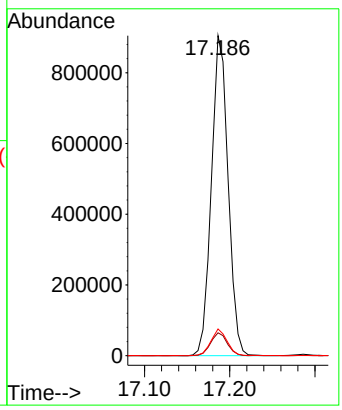
Tgt Ion:188 Resp: 123248

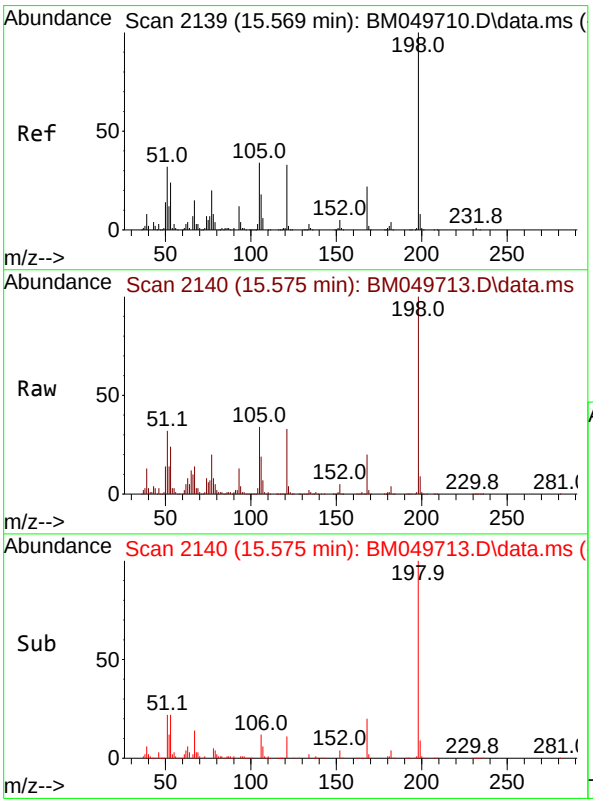
Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.8	8.6
80	8.4	6.3	9.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

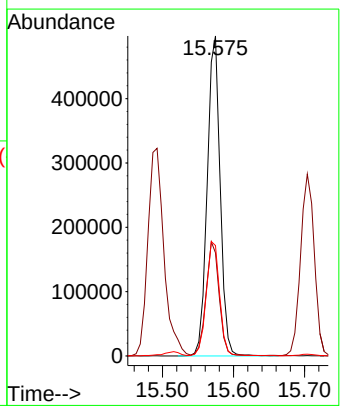


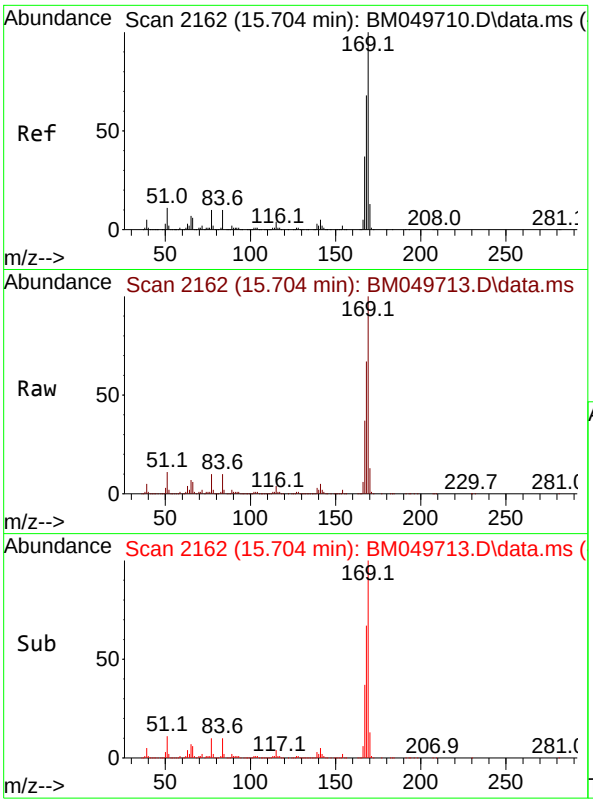


#65
4,6-Dinitro-2-methylphenol
Concen: 79.696 ng
RT: 15.575 min Scan# 2140
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:198 Resp: 629745

Ion	Ratio	Lower	Upper
198	100		
51	32.2	13.8	53.8
105	34.5	14.0	54.0

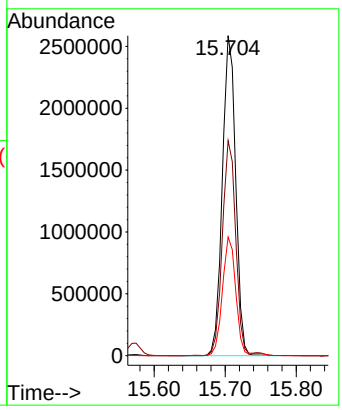




#66
n-Nitrosodiphenylamine
Concen: 89.598 ng
RT: 15.704 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:169 Resp: 334574

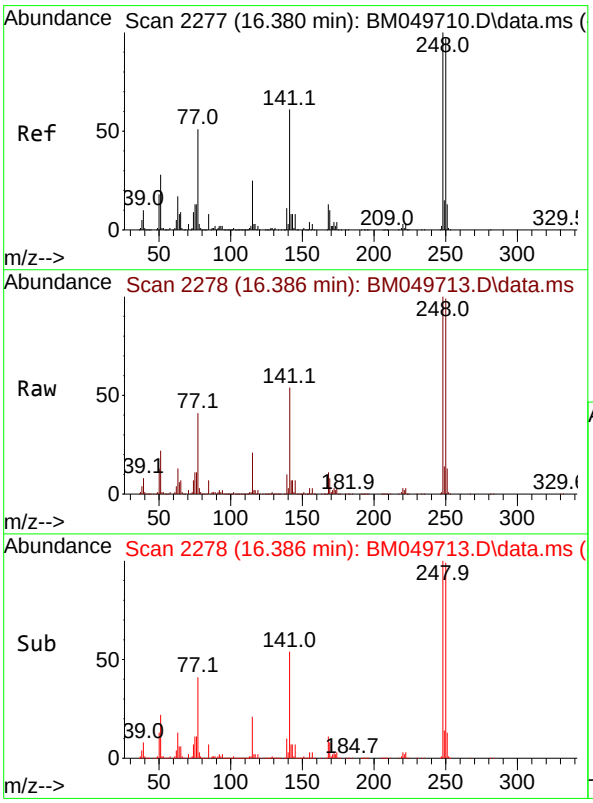
Ion	Ratio	Lower	Upper
169	100		
168	67.2	54.8	82.2
167	37.1	29.9	44.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

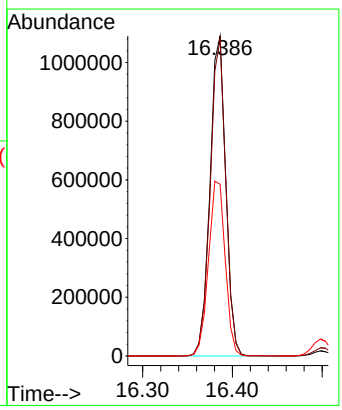
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

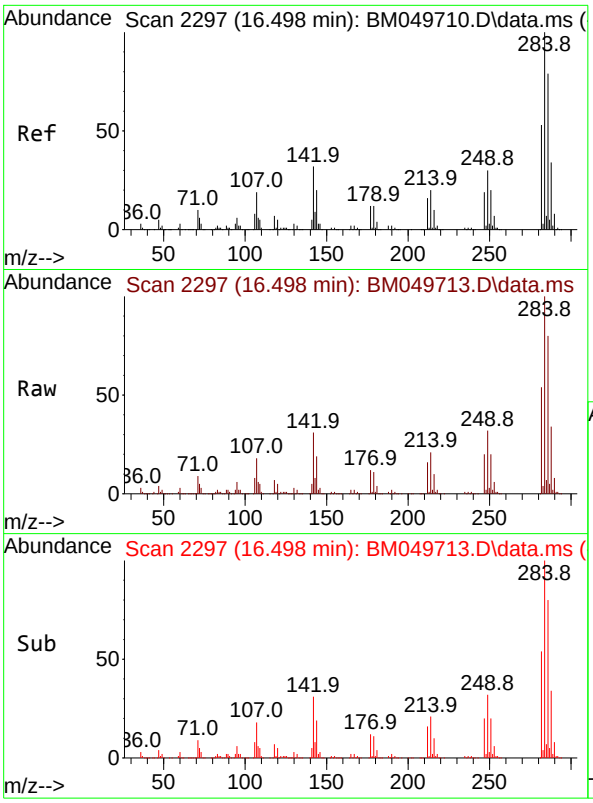


#67
4-Bromophenyl-phenylether
Concen: 93.560 ng
RT: 16.386 min Scan# 2278
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:248 Resp: 1331345

Ion	Ratio	Lower	Upper
248	100		
250	99.0	77.9	116.9
141	53.7	48.6	73.0

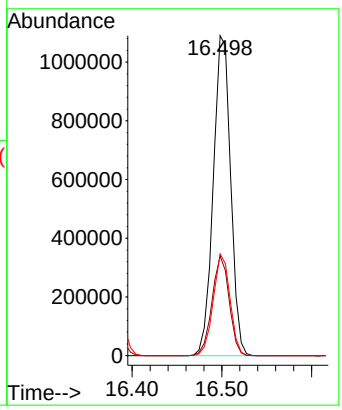




#68
Hexachlorobenzene
Concen: 91.538 ng
RT: 16.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:284 Resp: 146477

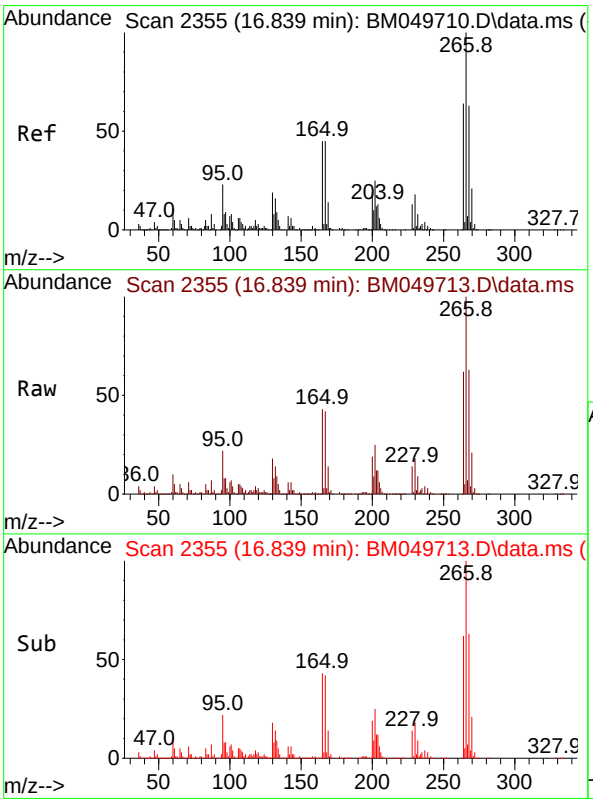
Ion	Ratio	Lower	Upper
284	100		
142	31.2	25.5	38.3
249	31.7	24.2	36.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

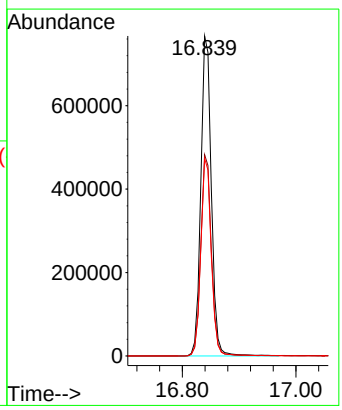
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

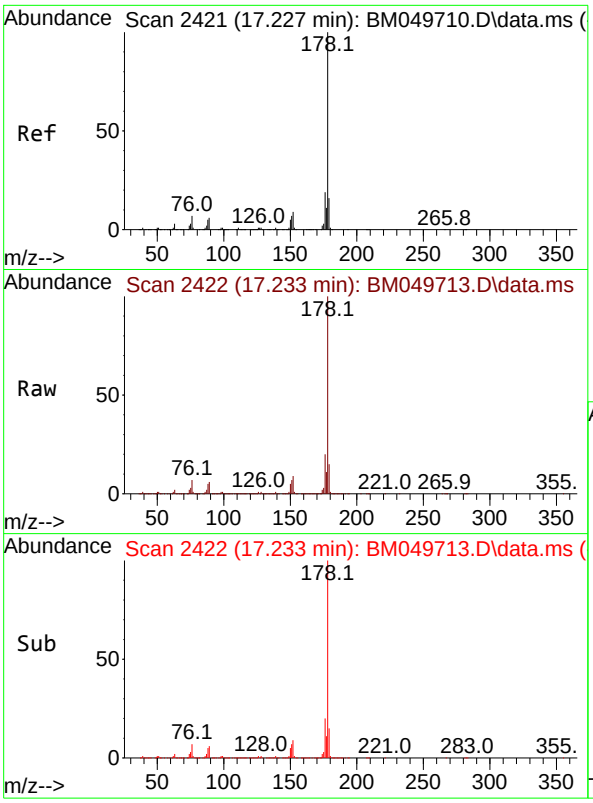


#70
Pentachlorophenol
Concen: 98.033 ng
RT: 16.839 min Scan# 2355
Delta R.T. 0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:266 Resp: 985815

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.2	75.2
264	61.7	51.3	76.9

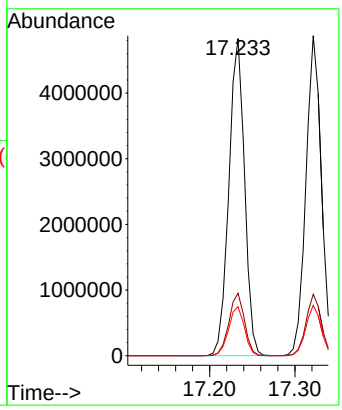




#71
Phenanthrene
Concen: 90.245 ng
RT: 17.233 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:178 Resp: 617607

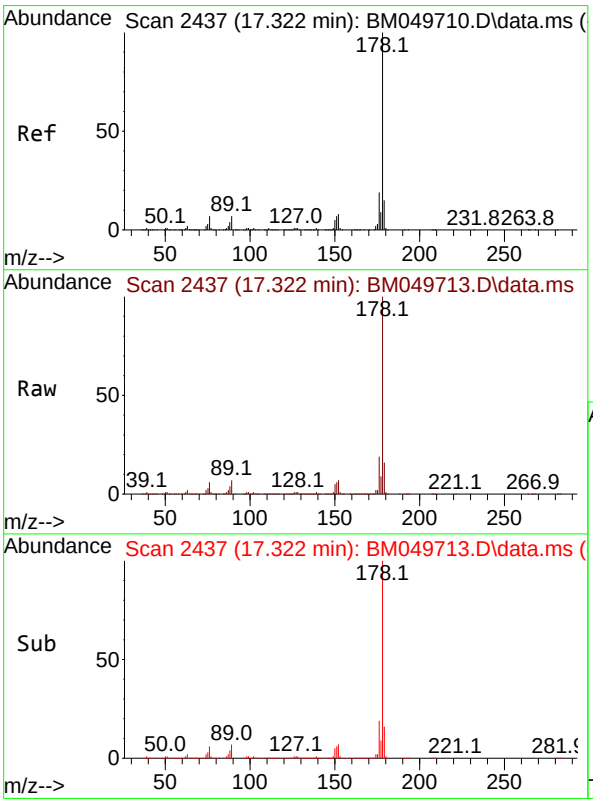
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.5	12.5	18.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

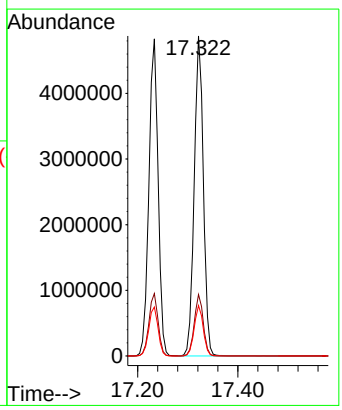
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

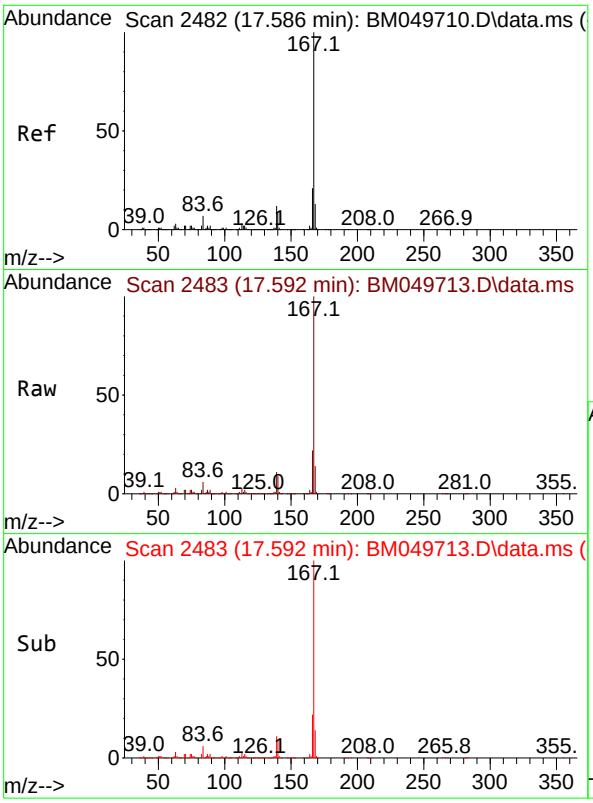


#72
Anthracene
Concen: 92.677 ng
RT: 17.322 min Scan# 2437
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:178 Resp: 6142455

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.7	12.4	18.6

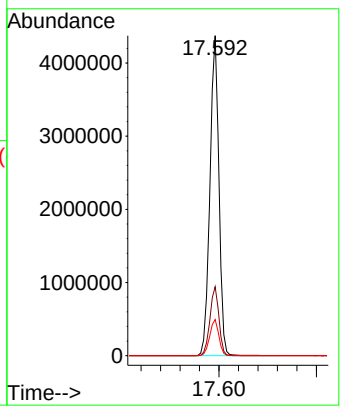




#73
Carbazole
Concen: 92.681 ng
RT: 17.592 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:167 Resp: 556308

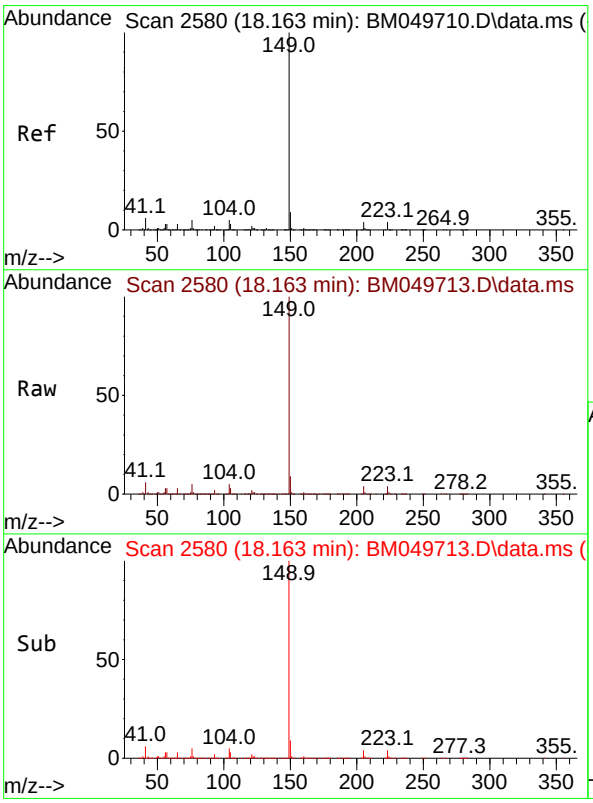
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	11.3	9.4	14.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

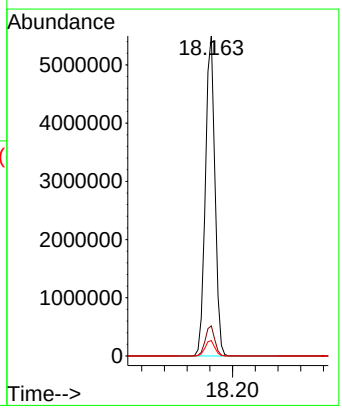
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

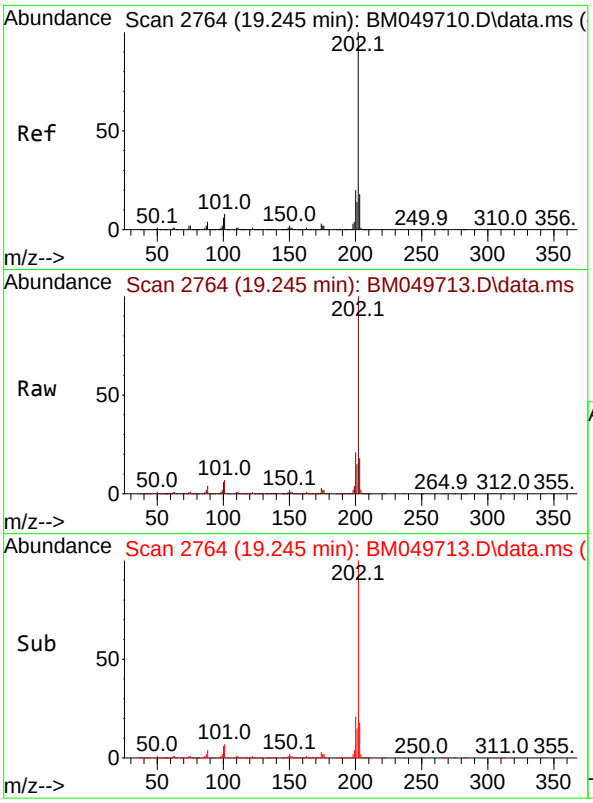


#74
Di-n-butylphthalate
Concen: 96.623 ng
RT: 18.163 min Scan# 2580
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:149 Resp: 6356664

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.2	10.8
104	4.8	3.9	5.9

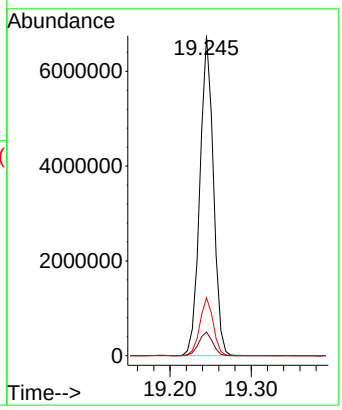




#75
Fluoranthene
Concen: 98.788 ng
RT: 19.245 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:202 Resp: 778358

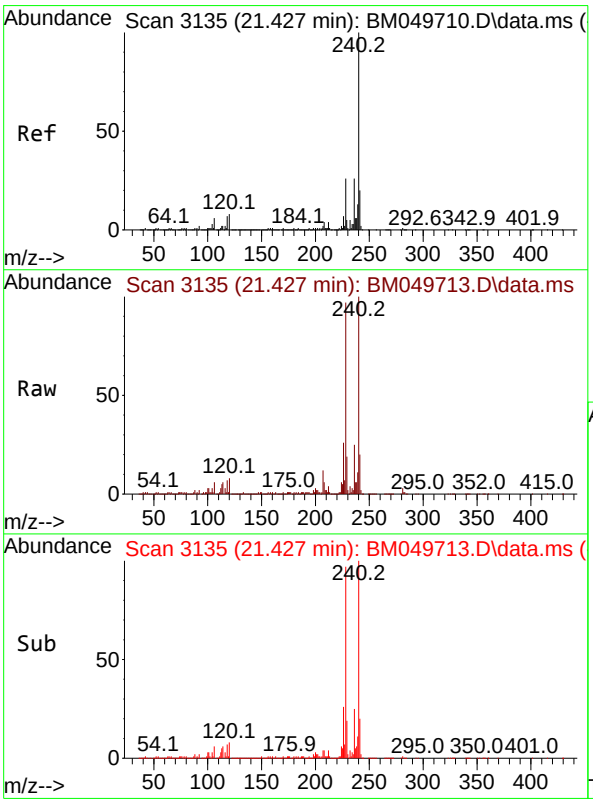
Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	27.8
203	18.1	0.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

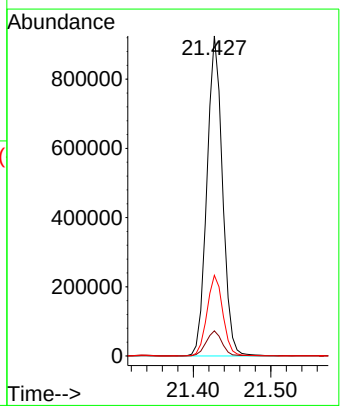
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

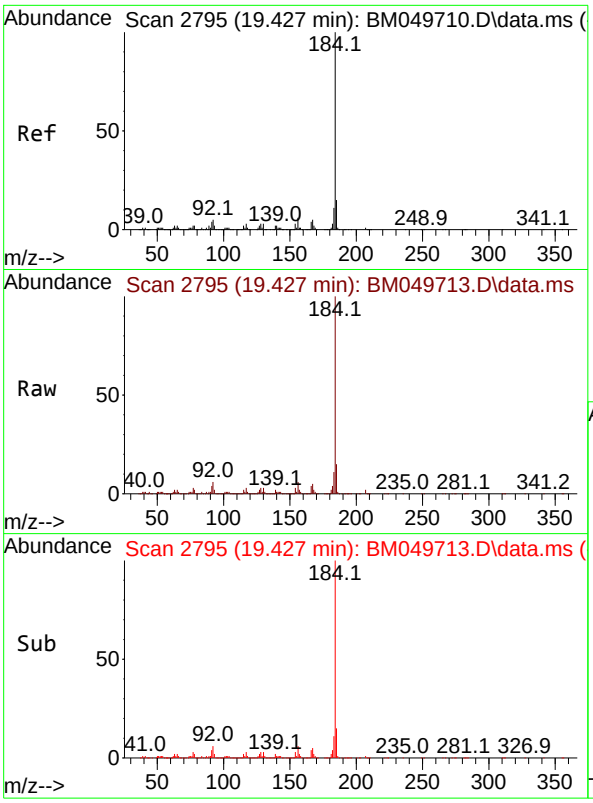


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:240 Resp: 1288590

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.5	9.7
236	25.2	20.7	31.1

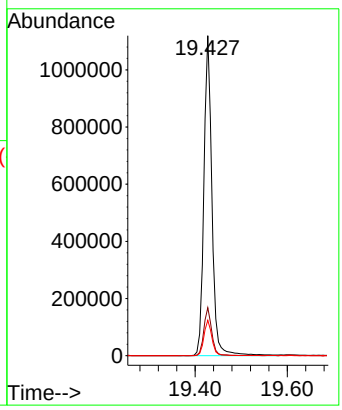




#77
Benzidine
Concen: 88.806 ng
RT: 19.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:184 Resp: 137482

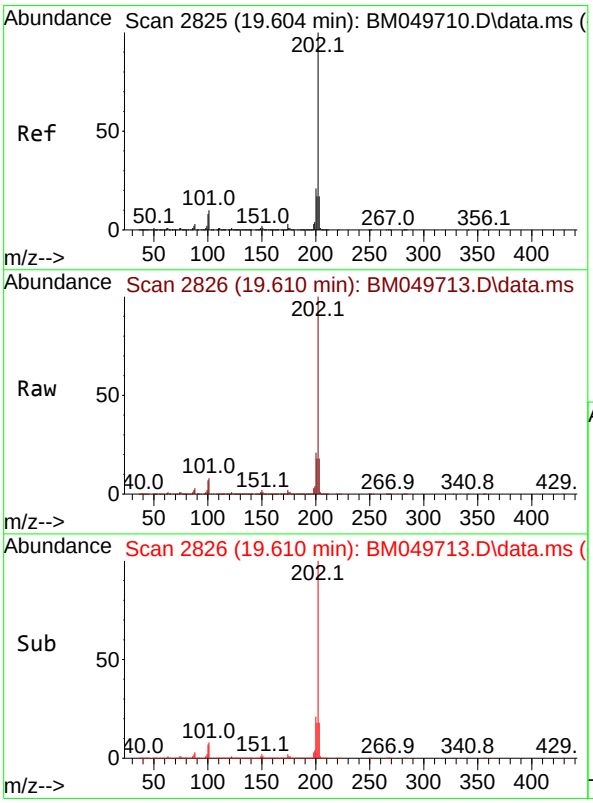
Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.7	17.5
183	11.1	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

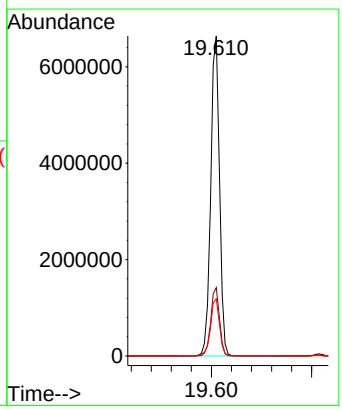
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

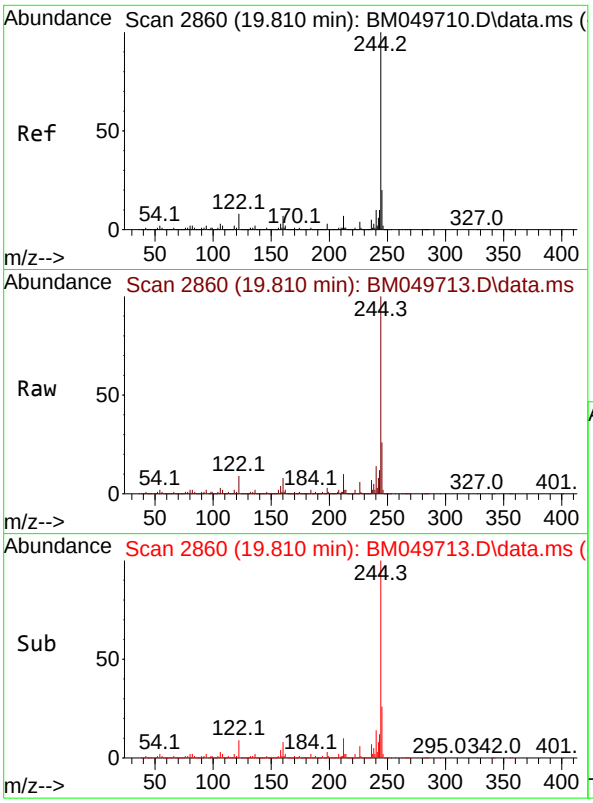


#78
Pyrene
Concen: 89.407 ng
RT: 19.610 min Scan# 2826
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:202 Resp: 8049120

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	17.9	14.0	21.0

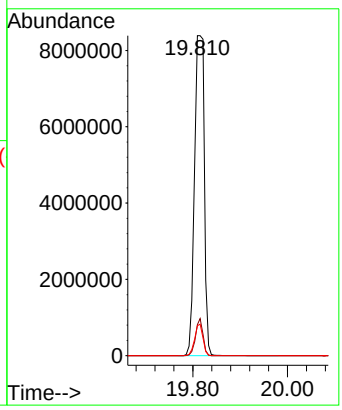




#79
Terphenyl-d14
Concen: 157.797 ng
RT: 19.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:244 Resp:1206656

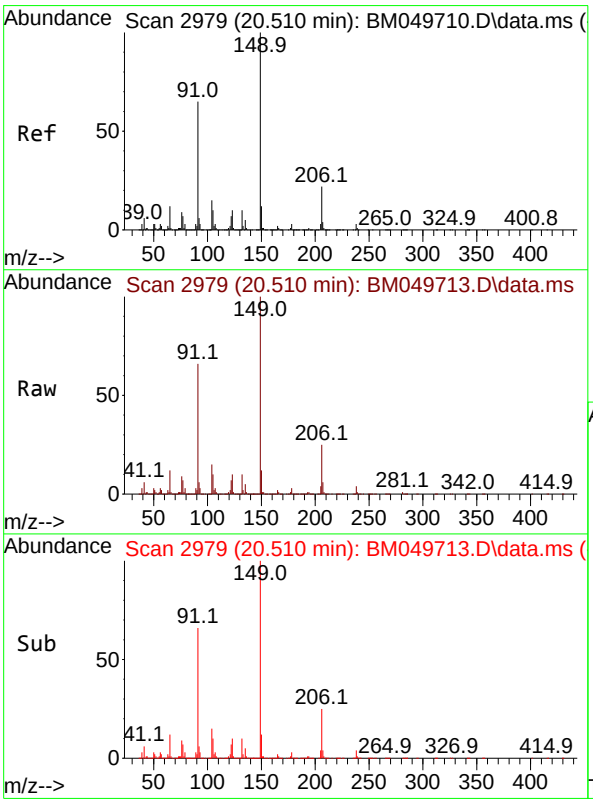
Ion	Ratio	Lower	Upper
244	100		
212	9.7	5.8	8.6
122	9.4	6.0	9.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

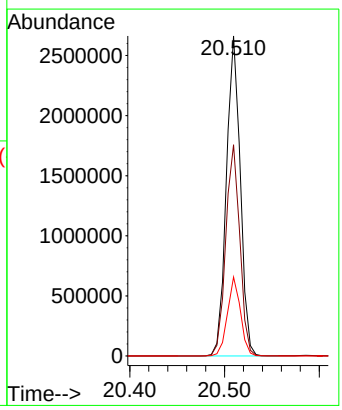
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

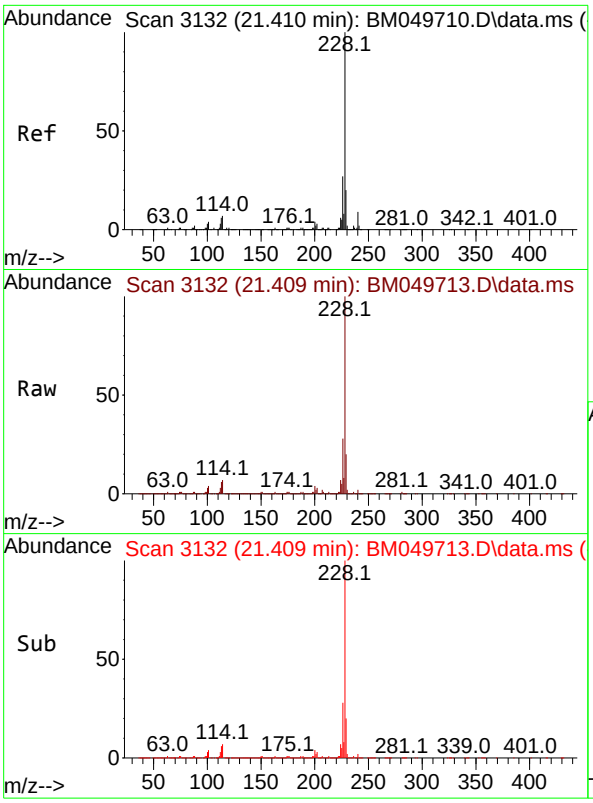


#80
Butylbenzylphthalate
Concen: 97.212 ng
RT: 20.510 min Scan# 2979
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:149 Resp: 2716011

Ion	Ratio	Lower	Upper
149	100		
91	66.0	52.2	78.4
206	24.6	17.6	26.4

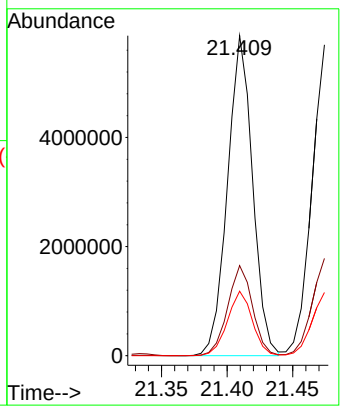




#81
Benzo(a)anthracene
Concen: 90.698 ng
RT: 21.409 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:228 Resp: 780629

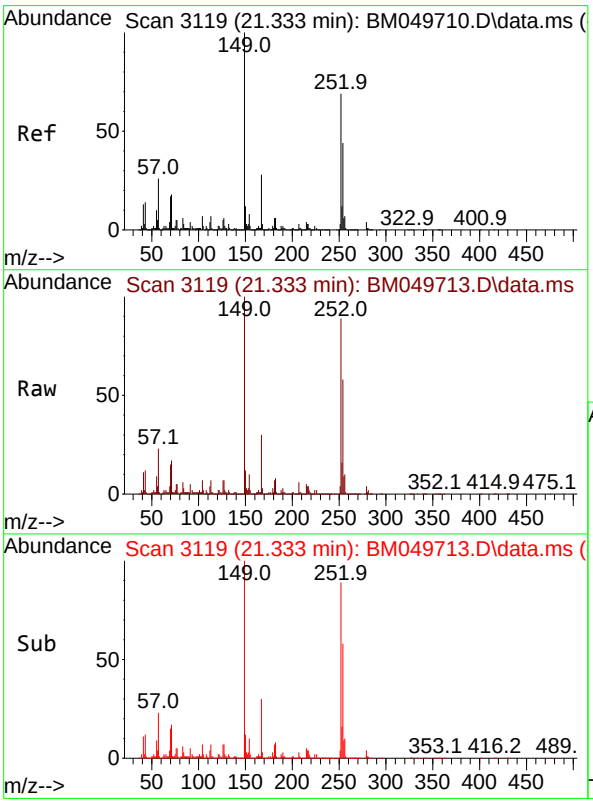
Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.0	33.0
229	20.2	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

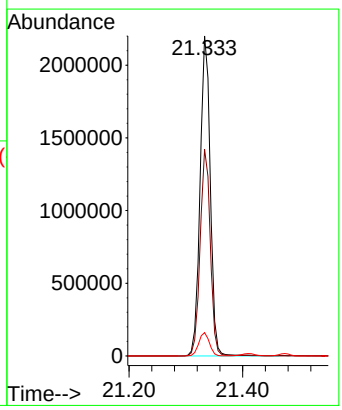
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

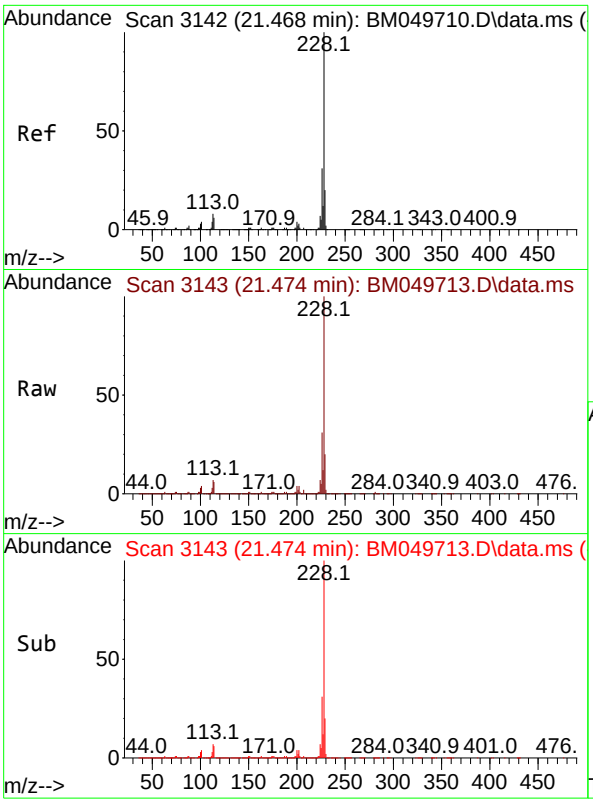


#82
3,3'-Dichlorobenzidine
Concen: 97.766 ng
RT: 21.333 min Scan# 3119
Delta R.T. 0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:252 Resp: 2739621

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.0	76.4
126	7.3	6.3	9.5

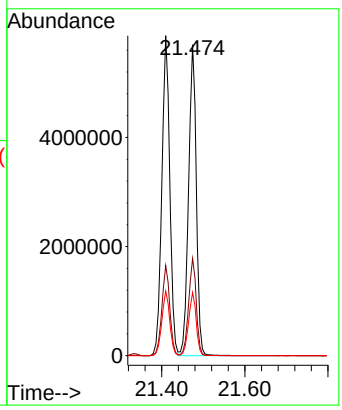




#83
Chrysene
Concen: 90.694 ng
RT: 21.474 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:228 Resp: 739957

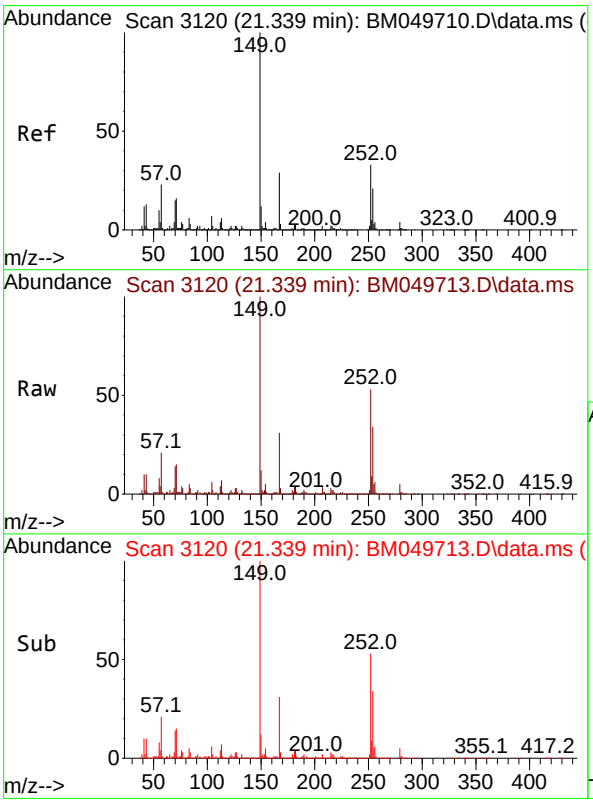
Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.5	36.7
229	20.3	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

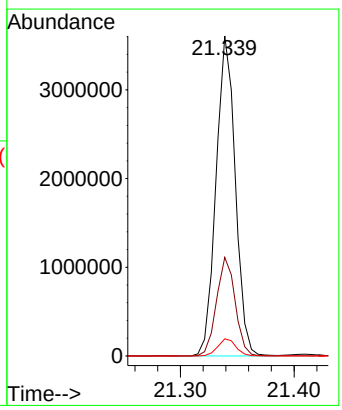
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

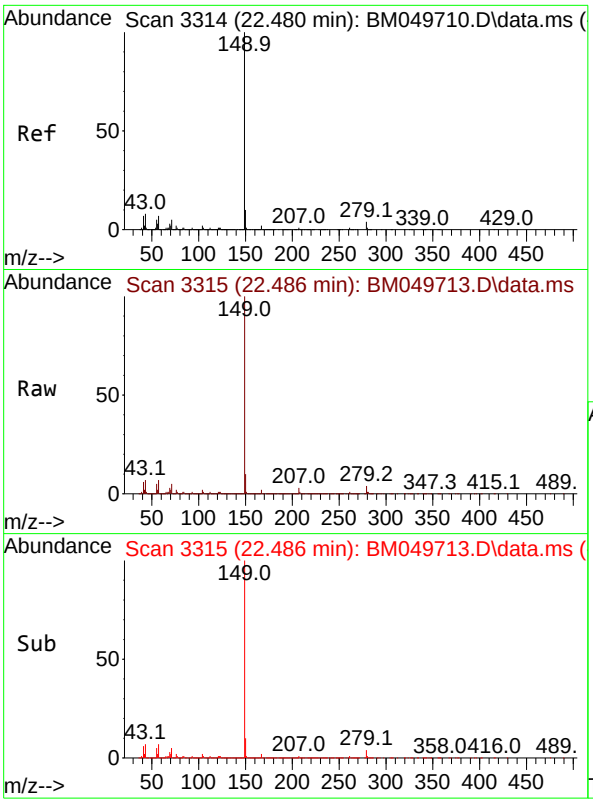


#84
Bis(2-ethylhexyl)phthalate
Concen: 97.524 ng
RT: 21.339 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:149 Resp: 4246419

Ion	Ratio	Lower	Upper
149	100		
167	30.8	22.9	34.3
279	5.4	3.5	5.3#

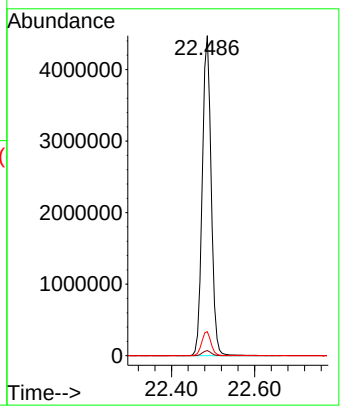




#85
Di-n-octyl phthalate
Concen: 98.213 ng
RT: 22.486 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:149 Resp: 664666

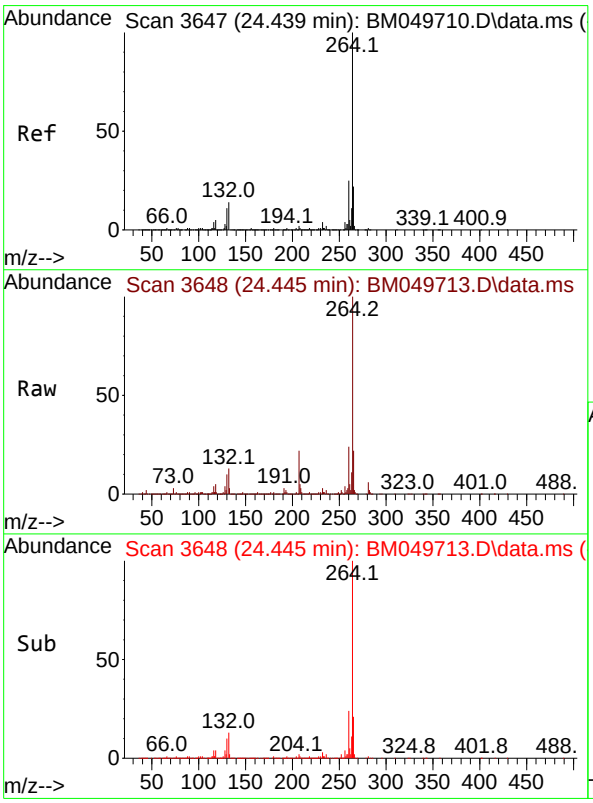
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	7.9	6.8	10.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

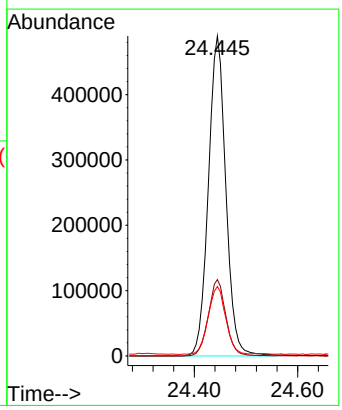
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

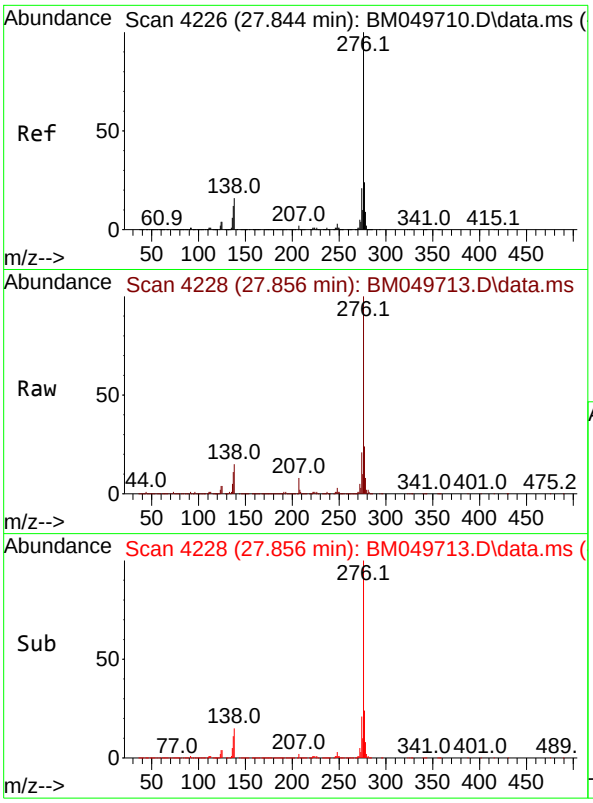


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.445 min Scan# 3648
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:264 Resp: 1147839

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.6	29.4
265	21.7	18.2	27.2

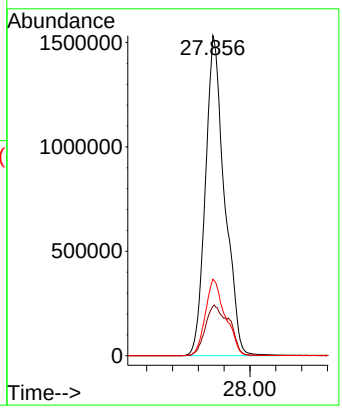




#87
Indeno(1,2,3-cd)pyrene
Concen: 95.562 ng
RT: 27.856 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:276 Resp: 789497

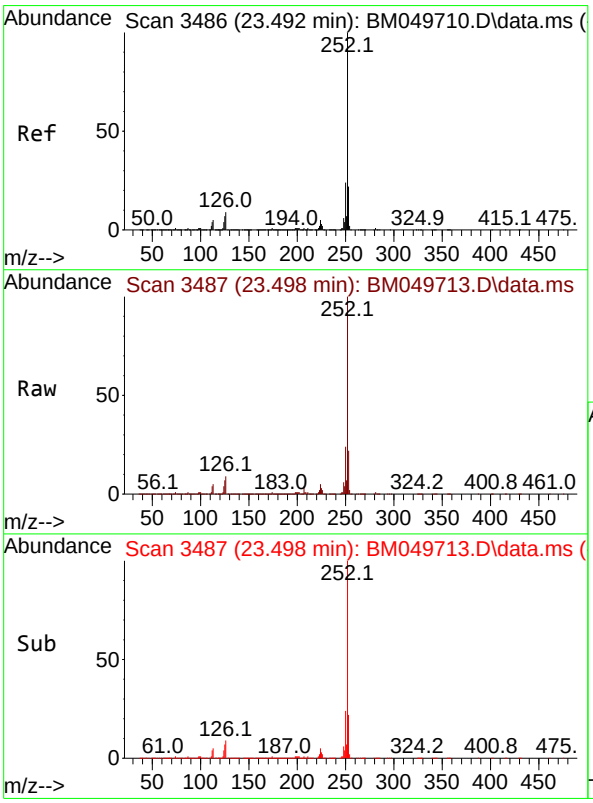
Ion	Ratio	Lower	Upper
276	100		
138	19.8	16.3	24.5
277	25.0	19.9	29.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

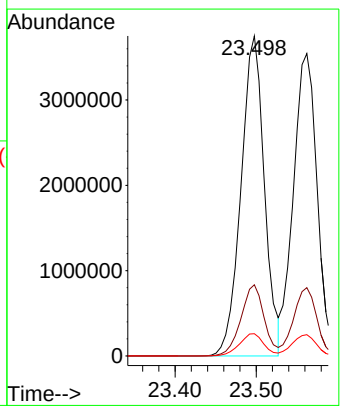
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

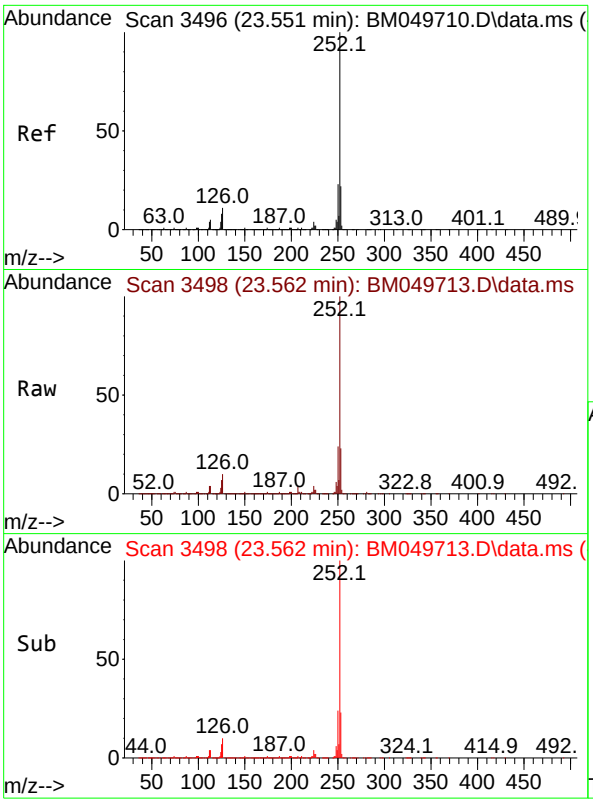


#88
Benzo(b)fluoranthene
Concen: 97.171 ng
RT: 23.498 min Scan# 3487
Delta R.T. 0.006 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:252 Resp: 7512407

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	6.9	5.9	8.9





#89
Benzo(k)fluoranthene
Concen: 94.915 ng
RT: 23.562 min Scan# 3
Delta R.T. 0.012 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

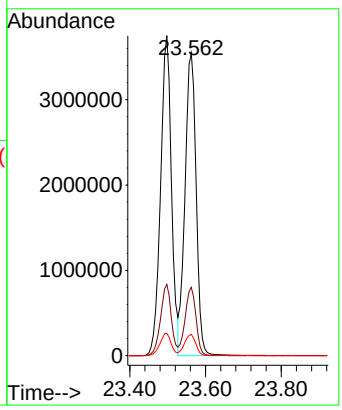
Tgt Ion:252 Resp: 722046

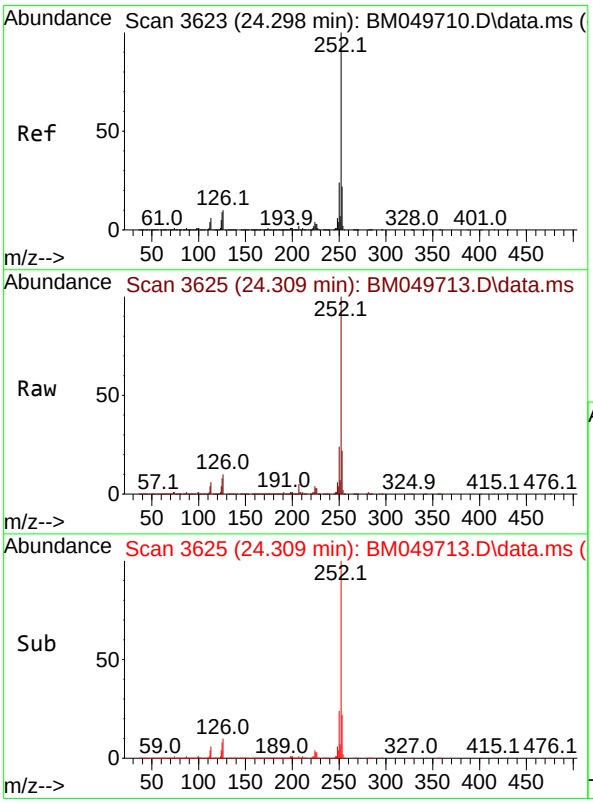
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.3	25.9
125	7.0	6.2	9.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

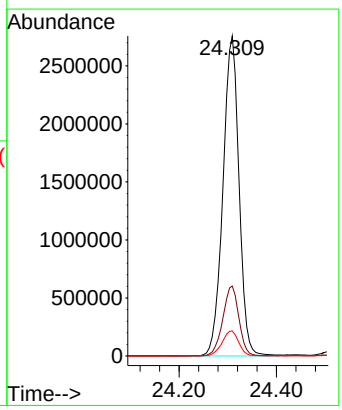


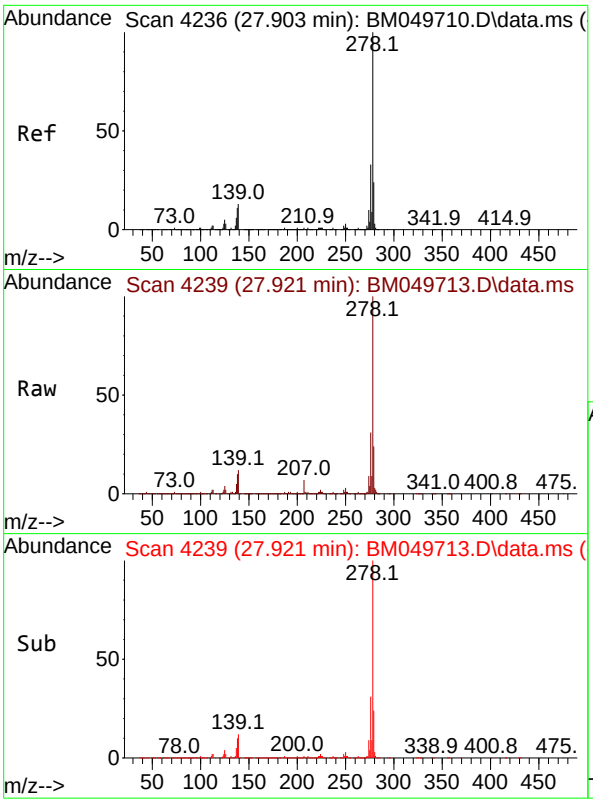


#90
Benzo(a)pyrene
Concen: 97.443 ng
RT: 24.309 min Scan# 3625
Delta R.T. 0.012 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:252 Resp: 6327756

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	7.8	7.0	10.6

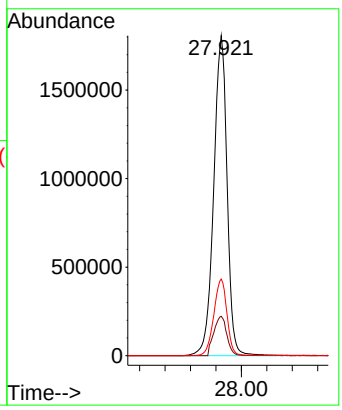




#91
Dibenzo(a,h)anthracene
Concen: 96.052 ng
RT: 27.921 min Scan# 4
Delta R.T. 0.018 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:278 Resp: 661147

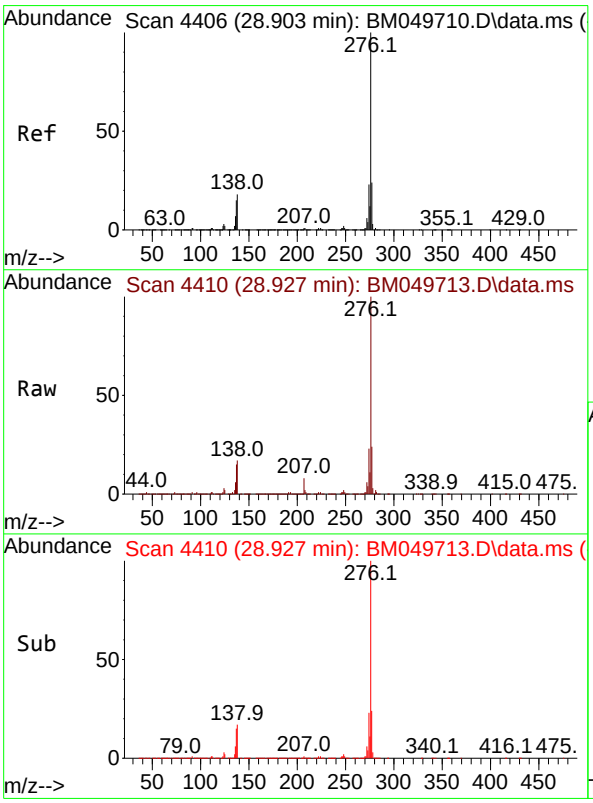
Ion	Ratio	Lower	Upper
278	100		
139	12.3	10.1	15.1
279	24.0	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

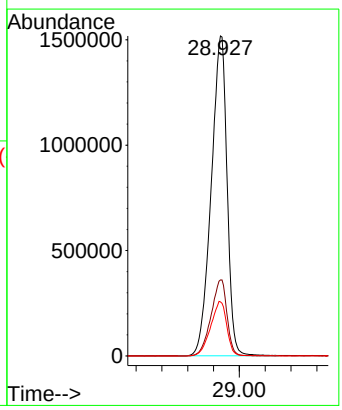
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#92
Benzo(g,h,i)perylene
Concen: 93.187 ng
RT: 28.927 min Scan# 4410
Delta R.T. 0.023 min
Lab File: BM049713.D
Acq: 13 Mar 2025 13:37

Tgt Ion:276 Resp: 6460933

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	16.9	14.0	21.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.810	152	399812	20.000	ng		0.00
21) Naphthalene-d8	10.604	136	1369450	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	852294	20.000	ng		0.00
64) Phenanthrene-d10	17.192	188	1592582	20.000	ng		0.00
76) Chrysene-d12	21.427	240	1466147	20.000	ng		0.00
86) Perylene-d12	24.444	264	1326527	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.387	112	1891142	79.812	ng		0.00
7) Phenol-d6	6.981	99	2447496	82.307	ng		0.00
23) Nitrobenzene-d5	8.963	82	2126194	79.713	ng		0.00
42) 2,4,6-Tribromophenol	15.939	330	875272	87.947	ng		0.00
45) 2-Fluorobiphenyl	13.075	172	5375823	78.993	ng		0.00
79) Terphenyl-d14	19.815	244	7576311	87.079	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.287	88	394101	38.421	ng		99
3) Pyridine	3.687	79	1041115m	39.743	ng		
4) n-Nitrosodimethylamine	3.593	42	460309	39.713	ng		100
6) Aniline	7.140	93	1035308	41.558	ng		100
8) 2-Chlorophenol	7.375	128	929963	39.632	ng		99
9) Benzaldehyde	6.946	77	572392	38.938	ng		99
10) Phenol	7.010	94	1165563	40.424	ng		97
11) bis(2-Chloroethyl)ether	7.234	93	926742	39.691	ng		100
12) 1,3-Dichlorobenzene	7.698	146	1101384	38.623	ng		99
13) 1,4-Dichlorobenzene	7.845	146	1111735	38.645	ng		97
14) 1,2-Dichlorobenzene	8.163	146	1060889	38.803	ng		98
15) Benzyl Alcohol	8.045	79	782965	41.958	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.345	45	1062992	38.736	ng		100
17) 2-Methylphenol	8.257	107	697345	40.737	ng		100
18) Hexachloroethane	8.892	117	384500	37.848	ng		90
19) n-Nitroso-di-n-propyla...	8.616	70	718211	41.653	ng		99
20) 3+4-Methylphenols	8.581	107	940414	40.994	ng		98
22) Acetophenone	8.628	105	1393533	39.465	ng	#	99
24) Nitrobenzene	9.004	77	997217	39.649	ng		100
25) Isophorone	9.534	82	1666027	40.681	ng		100
26) 2-Nitrophenol	9.716	139	451612	42.188	ng		98
27) 2,4-Dimethylphenol	9.781	122	556007	40.805	ng		99
28) bis(2-Chloroethoxy)met...	10.016	93	1128797	39.135	ng		99
29) 2,4-Dichlorophenol	10.257	162	895070	40.313	ng		99
30) 1,2,4-Trichlorobenzene	10.469	180	1058273	38.096	ng		100
31) Naphthalene	10.657	128	2766321	39.284	ng		100
32) Benzoic acid	9.928	122	497601	42.940	ng		98
33) 4-Chloroaniline	10.763	127	968932	40.318	ng		100
34) Hexachlorobutadiene	10.945	225	655162	38.204	ng		99
35) Caprolactam	11.545	113	222273	43.119	ng		97
36) 4-Chloro-3-methylphenol	11.892	107	800680	42.022	ng		98
37) 2-Methylnaphthalene	12.269	142	1966254	39.933	ng		100
38) 1-Methylnaphthalene	12.486	142	1904818	40.096	ng		100
40) 1,2,4,5-Tetrachloroben...	12.639	216	1217494	38.890	ng		100
41) Hexachlorocyclopentadiene	12.627	237	457666	39.461	ng		99
43) 2,4,6-Trichlorophenol	12.880	196	720412	41.087	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.951	196	781740	40.857	ng	98
46) 1,1'-Biphenyl	13.280	154	2552259	38.855	ng	100
47) 2-Chloronaphthalene	13.322	162	1973551	38.600	ng	99
48) 2-Nitroaniline	13.522	65	482592	42.046	ng	98
49) Acenaphthylene	14.169	152	2837576	39.705	ng	99
50) Dimethylphthalate	13.910	163	2306806	39.312	ng	100
51) 2,6-Dinitrotoluene	14.022	165	479409	40.774	ng	96
52) Acenaphthene	14.516	154	1839291	39.236	ng	99
53) 3-Nitroaniline	14.351	138	466241	41.671	ng	97
54) 2,4-Dinitrophenol	14.551	184	235915	40.645	ng	98
55) Dibenzofuran	14.845	168	3036901	38.878	ng	100
56) 4-Nitrophenol	14.663	139	387757	39.814	ng	99
57) 2,4-Dinitrotoluene	14.810	165	633322	41.860	ng	97
58) Fluorene	15.498	166	2552375	40.133	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.074	232	659657	41.187	ng	99
60) Diethylphthalate	15.274	149	2202259	39.848	ng	99
61) 4-Chlorophenyl-phenyle...	15.492	204	1389032	39.997	ng	96
62) 4-Nitroaniline	15.510	138	488092	37.552	ng	98
63) Azobenzene	15.786	77	2092221	39.634	ng	99
65) 4,6-Dinitro-2-methylph...	15.568	198	335673	40.710	ng	94
66) n-Nitrosodiphenylamine	15.704	169	1935702	40.117	ng	98
67) 4-Bromophenyl-phenylether	16.386	248	733304	39.881	ng	97
68) Hexachlorobenzene	16.498	284	816963	39.511	ng	98
69) Atrazine	16.657	200	397712	37.400	ng	97
70) Pentachlorophenol	16.845	266	523396	40.280	ng	98
71) Phenanthrene	17.233	178	3502162	39.603	ng	100
72) Anthracene	17.321	178	3462856	40.434	ng	100
73) Carbazole	17.592	167	3088050	39.814	ng	99
74) Di-n-butylphthalate	18.162	149	3415276	40.175	ng	100
75) Fluoranthene	19.245	202	4098453	40.255	ng	99
77) Benzidine	19.427	184	861900	48.932	ng	100
78) Pyrene	19.609	202	4229052	41.286	ng	100
80) Butylbenzylphthalate	20.509	149	1322122	41.591	ng	96
81) Benzo(a)anthracene	21.409	228	3881696	39.638	ng	100
82) 3,3'-Dichlorobenzidine	21.333	252	1278791	40.108	ng	99
83) Chrysene	21.474	228	3630416	39.108	ng	100
84) Bis(2-ethylhexyl)phtha...	21.345	149	2039556	41.168	ng	100
85) Di-n-octyl phthalate	22.486	149	2953248	38.353	ng	100
87) Indeno(1,2,3-cd)pyrene	27.856	276	3642855	38.154	ng	100
88) Benzo(b)fluoranthene	23.497	252	3507924	39.262	ng	100
89) Benzo(k)fluoranthene	23.562	252	3482012	39.606	ng	99
90) Benzo(a)pyrene	24.309	252	2962652	39.477	ng	99
91) Dibenzo(a,h)anthracene	27.915	278	3029972	38.090	ng	100
92) Benzo(g,h,i)perylene	28.915	276	3030114	37.817	ng	100

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

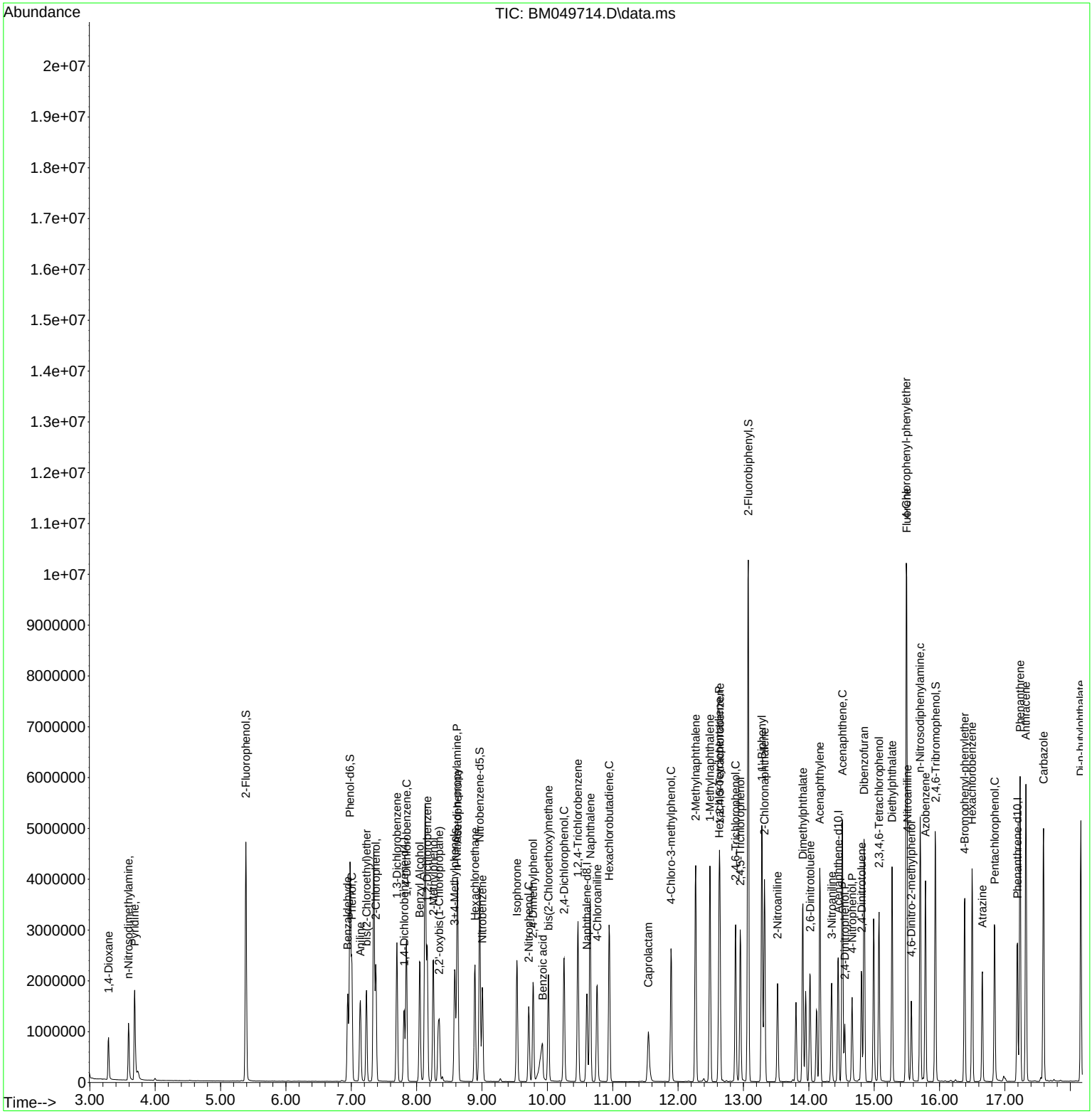
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



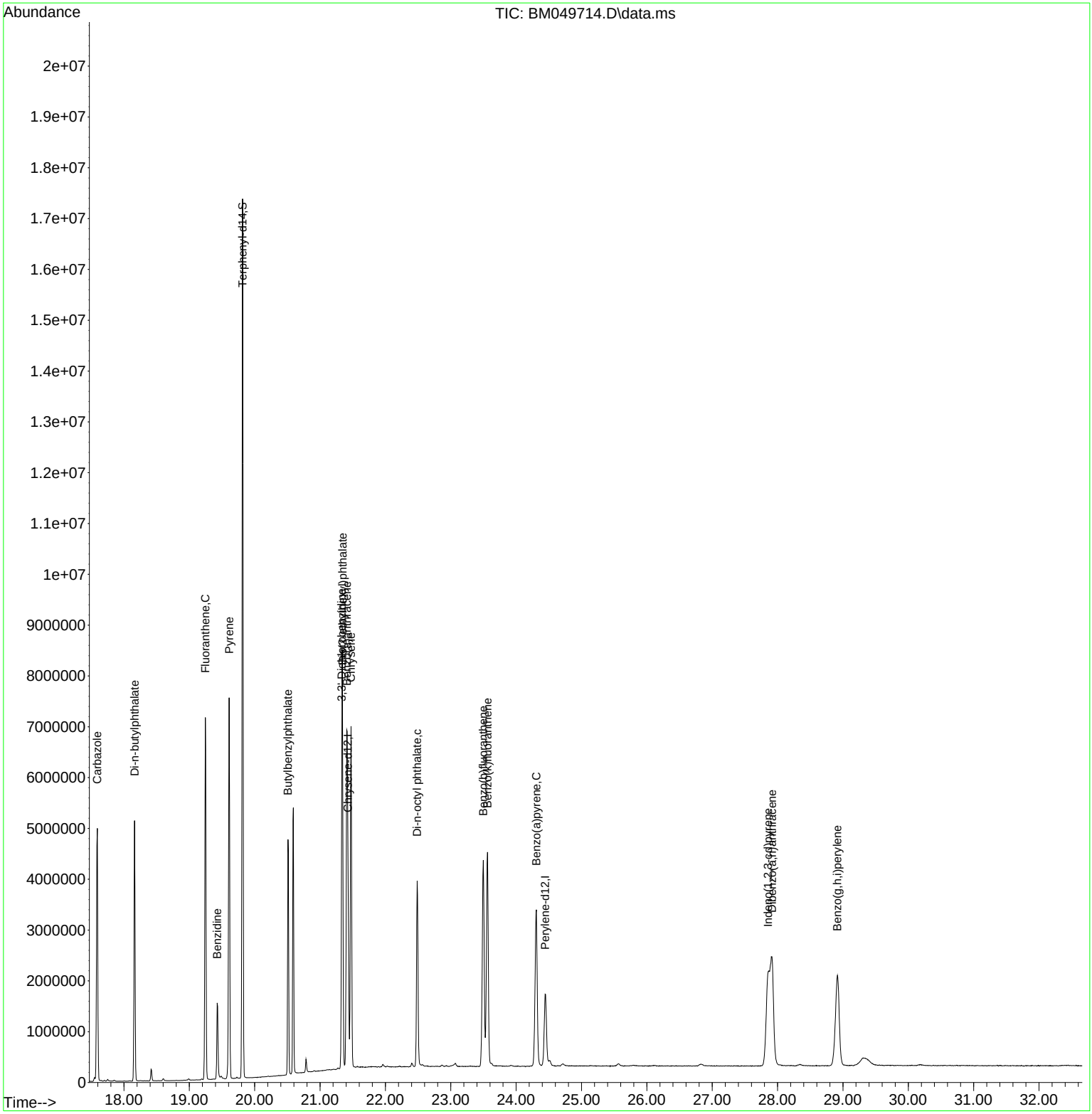
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

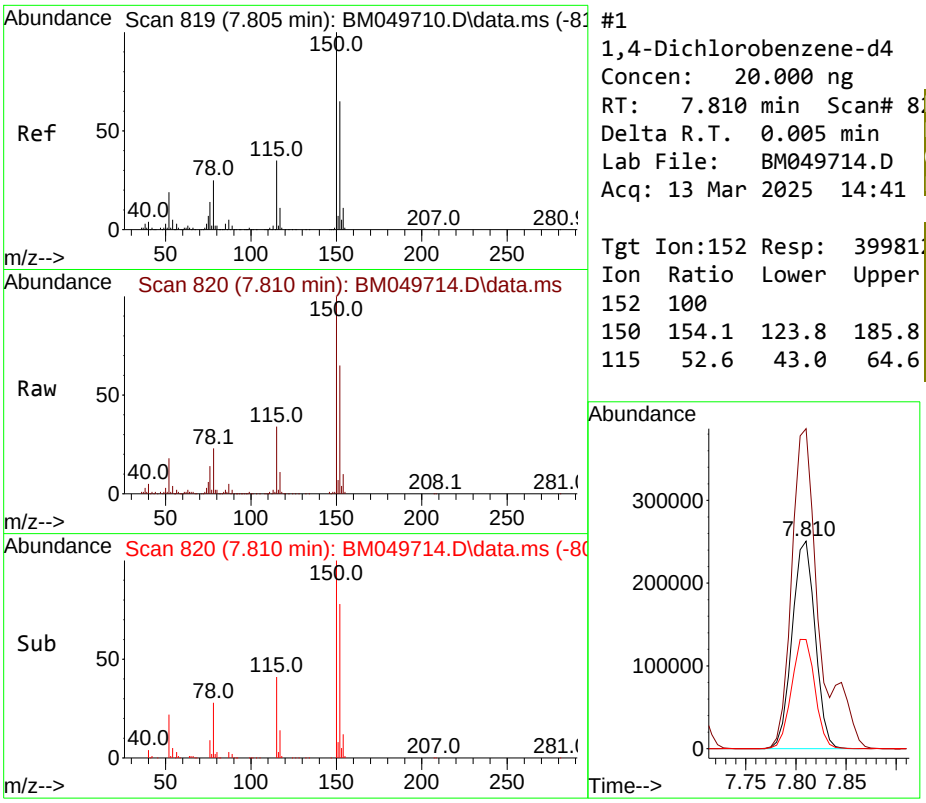
Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 8
Delta R.T. 0.005 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

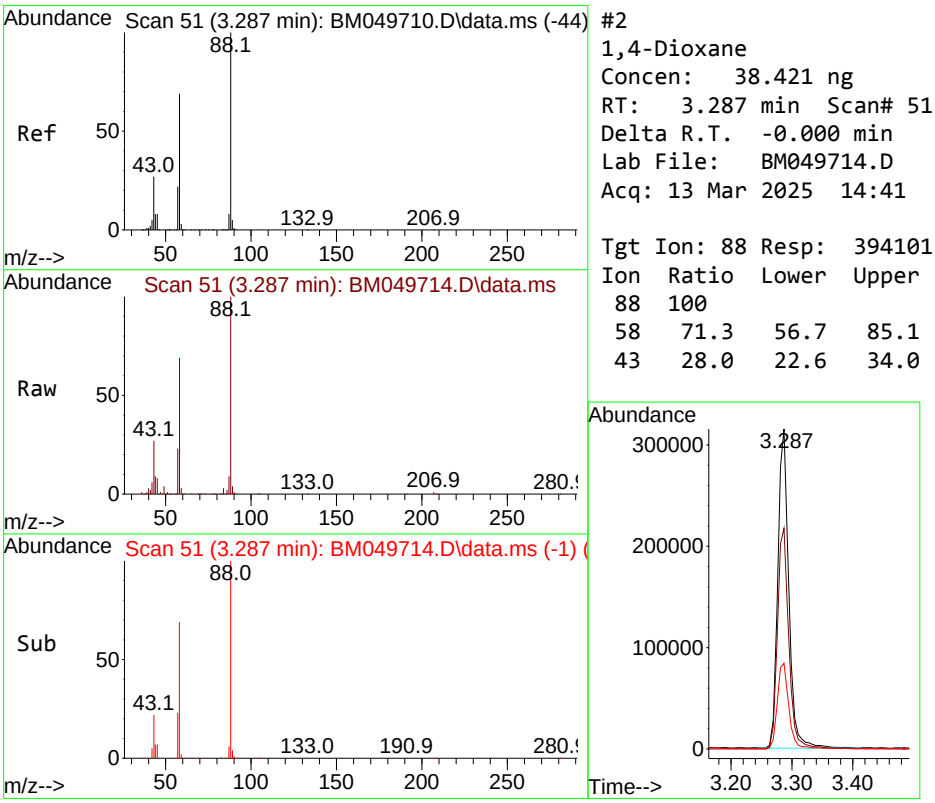
Tgt Ion:152 Resp: 39981

Ion	Ratio	Lower	Upper
152	100		
150	154.1	123.8	185.8
115	52.6	43.0	64.6

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

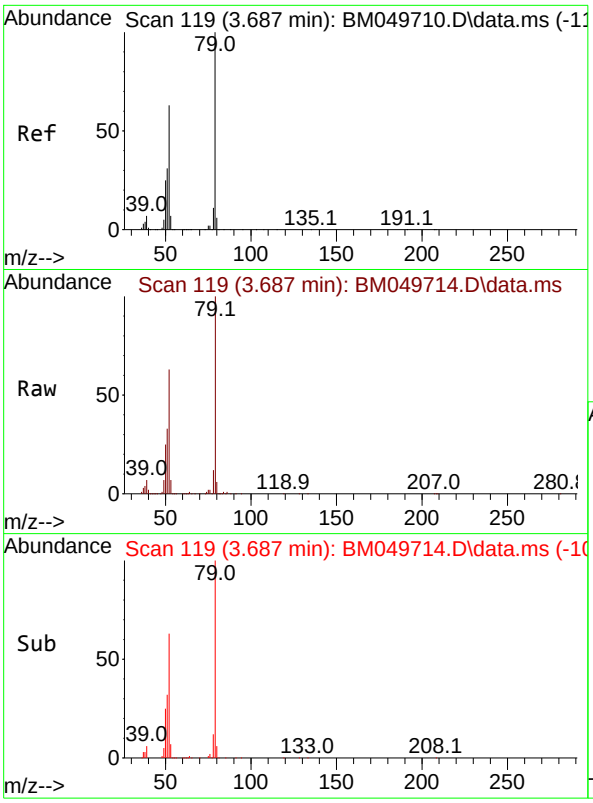
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#2
1,4-Dioxane
Concen: 38.421 ng
RT: 3.287 min Scan# 51
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 88 Resp: 394101

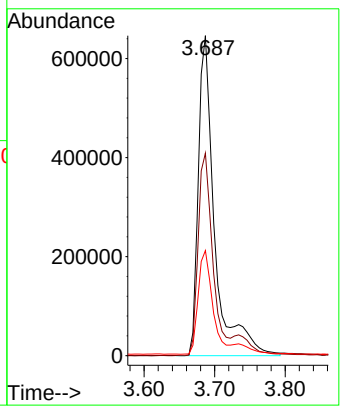
Ion	Ratio	Lower	Upper
88	100		
58	71.3	56.7	85.1
43	28.0	22.6	34.0



#3
Pyridine
Concen: 39.743 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 79 Resp: 104111

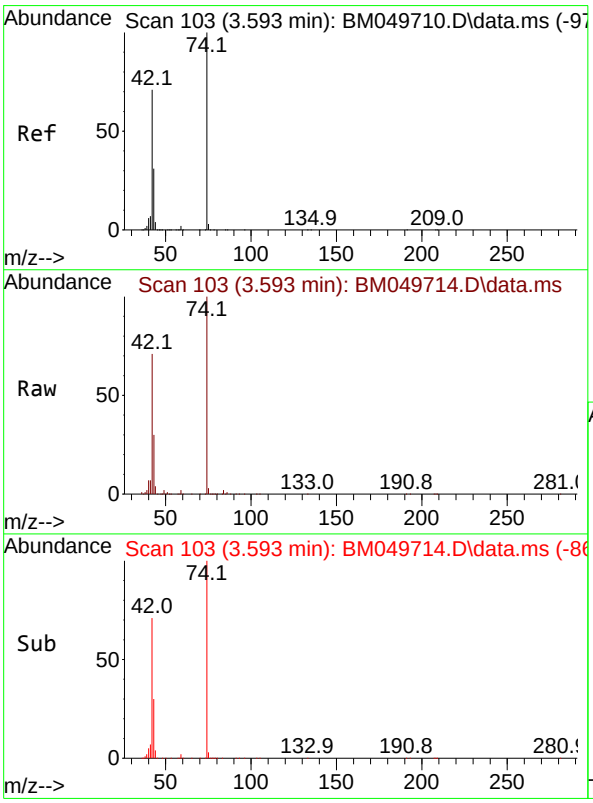
Ion	Ratio	Lower	Upper
79	100		
52	63.3	50.1	75.1
51	32.8	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

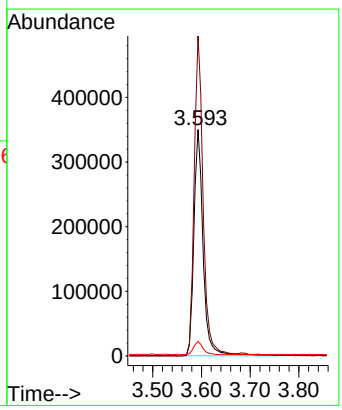
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

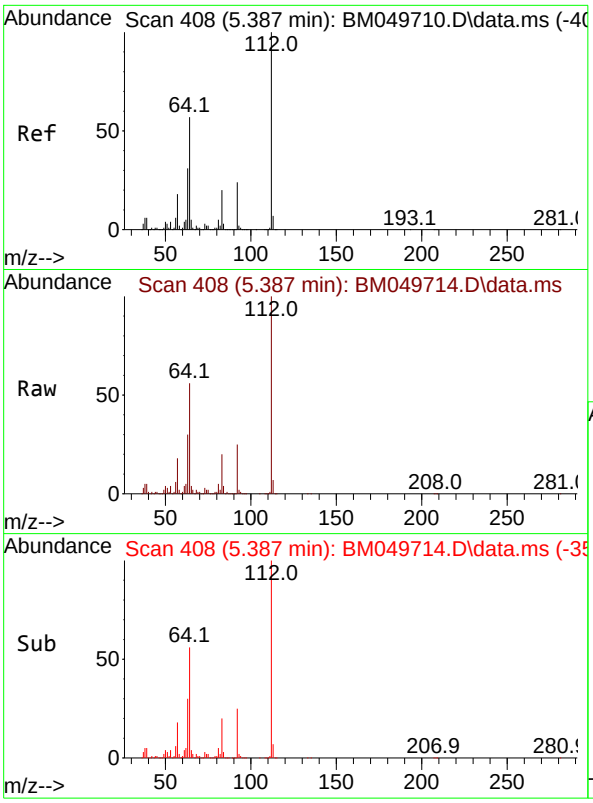


#4
n-Nitrosodimethylamine
Concen: 39.713 ng
RT: 3.593 min Scan# 103
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 42 Resp: 460309

Ion	Ratio	Lower	Upper
42	100		
74	141.3	112.6	168.8
44	6.3	5.0	7.6

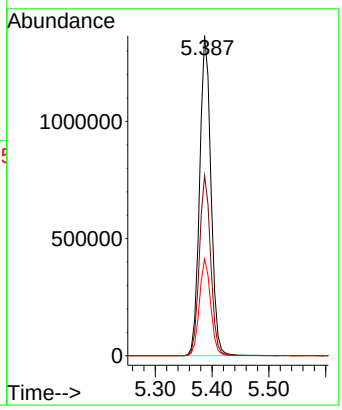




#5
2-Fluorophenol
Concen: 79.812 ng
RT: 5.387 min Scan# 4(
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:112 Resp: 189114

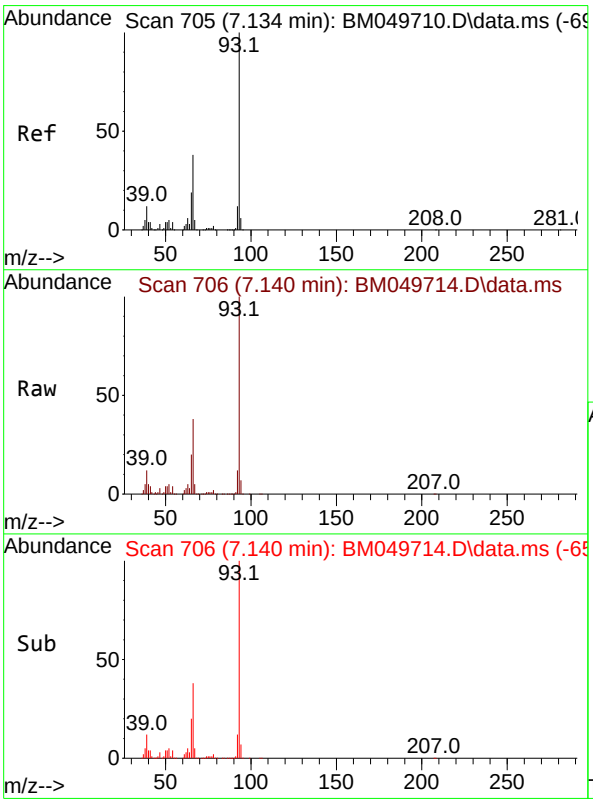
Ion	Ratio	Lower	Upper
112	100		
64	56.3	45.3	67.9
63	30.2	24.4	36.6



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

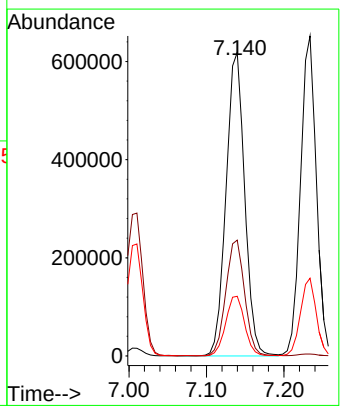
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

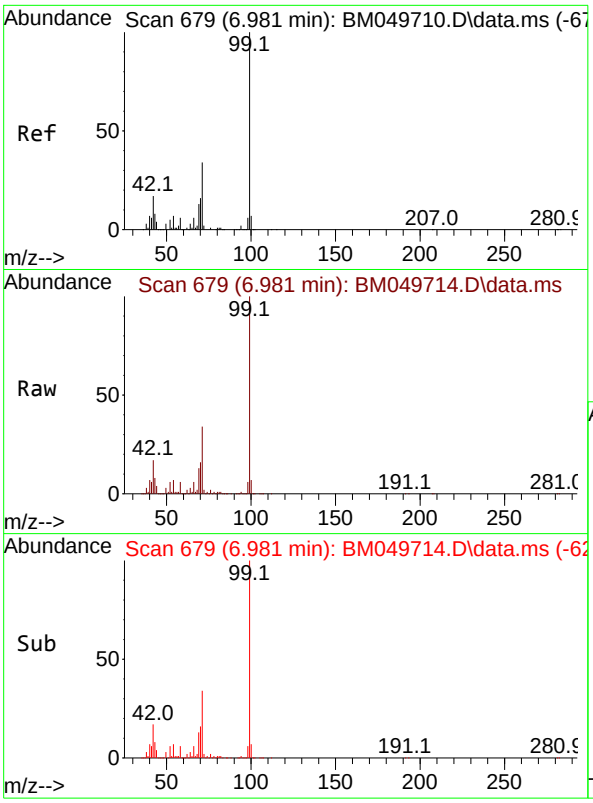


#6
Aniline
Concen: 41.558 ng
RT: 7.140 min Scan# 706
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 93 Resp: 1035308

Ion	Ratio	Lower	Upper
93	100		
66	38.2	30.6	46.0
65	19.7	15.4	23.2

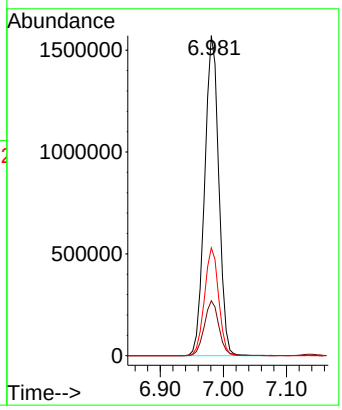




#7
Phenol-d6
Concen: 82.307 ng
RT: 6.981 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 99 Resp: 244749

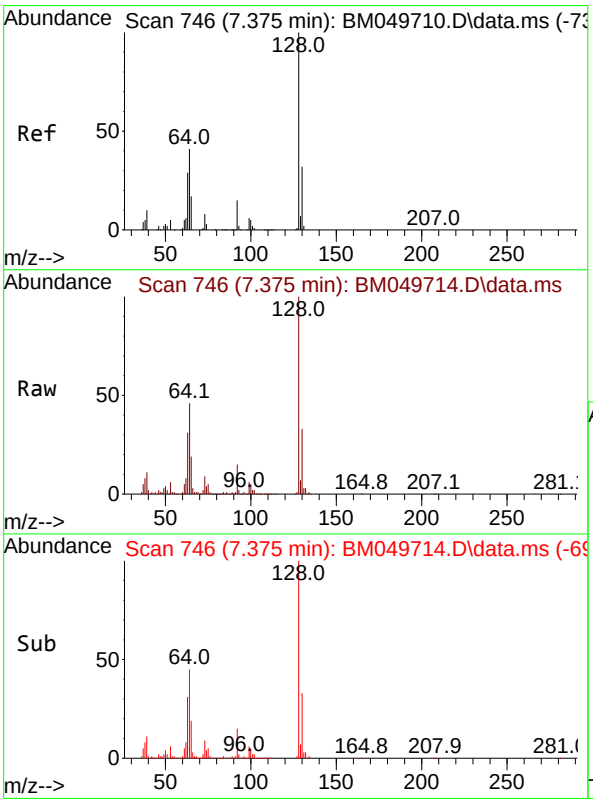
Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.6	20.4
71	33.7	27.0	40.6



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

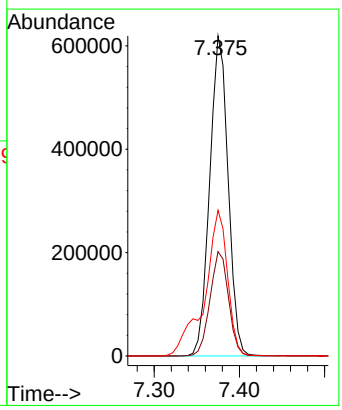
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

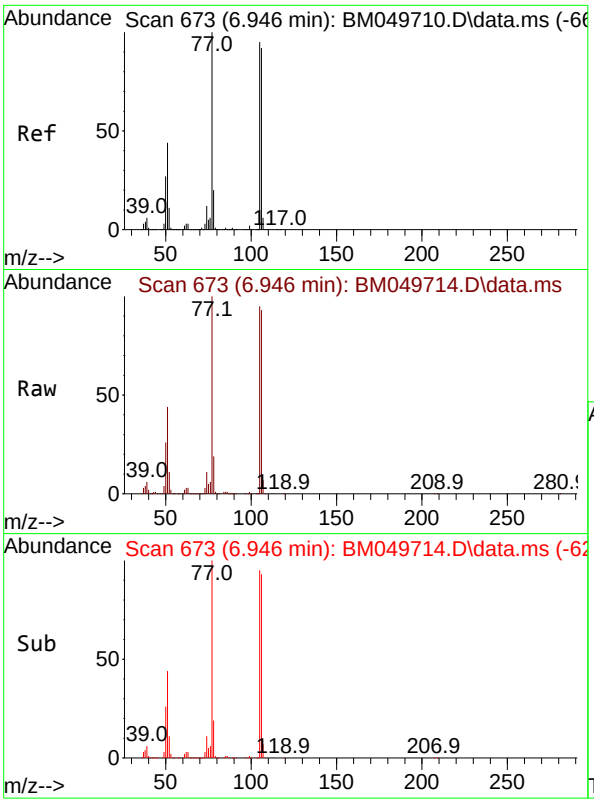


#8
2-Chlorophenol
Concen: 39.632 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:128 Resp: 929963

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.5	52.5
64	45.5	24.9	64.9

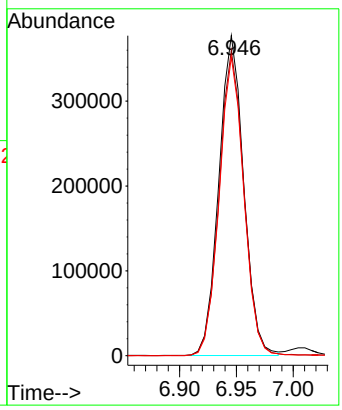




#9
Benzaldehyde
Concen: 38.938 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 77 Resp: 57239

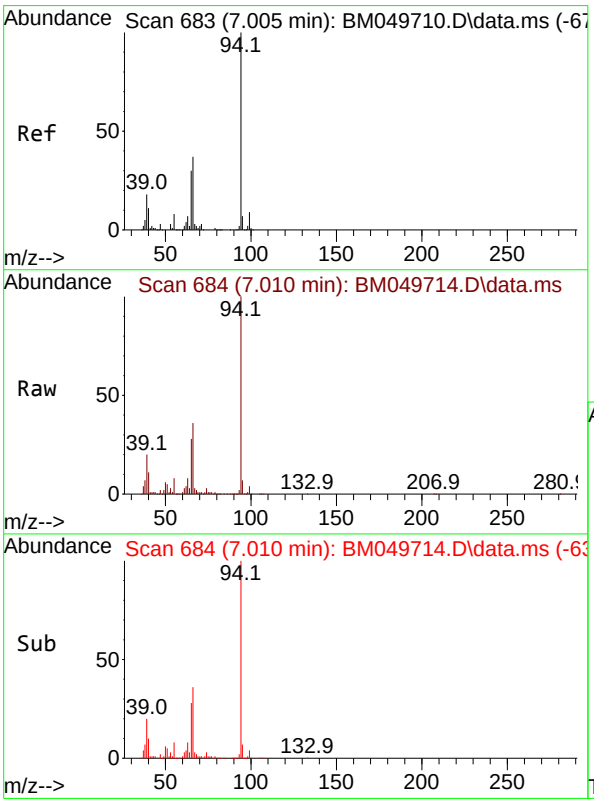
Ion	Ratio	Lower	Upper
77	100		
105	95.4	75.0	115.0
106	93.4	72.3	112.3



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

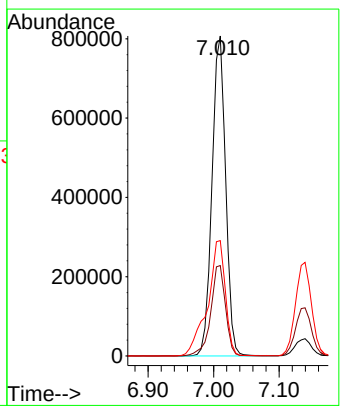
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

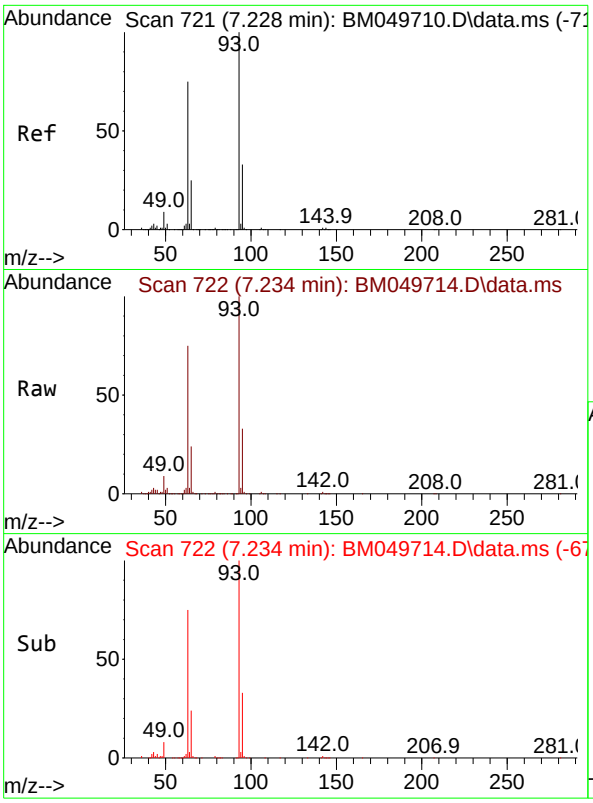


#10
Phenol
Concen: 40.424 ng
RT: 7.010 min Scan# 684
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 94 Resp: 1165563

Ion	Ratio	Lower	Upper
94	100		
65	28.3	10.4	50.4
66	36.1	17.1	57.1

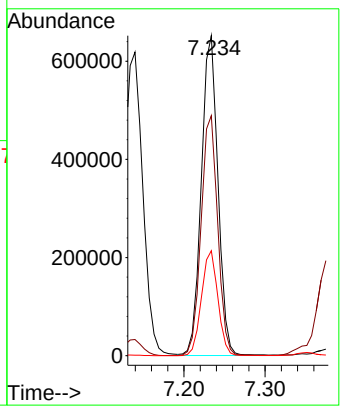




#11
bis(2-Chloroethyl)ether
Concen: 39.691 ng
RT: 7.234 min Scan# 7
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 93 Resp: 92674

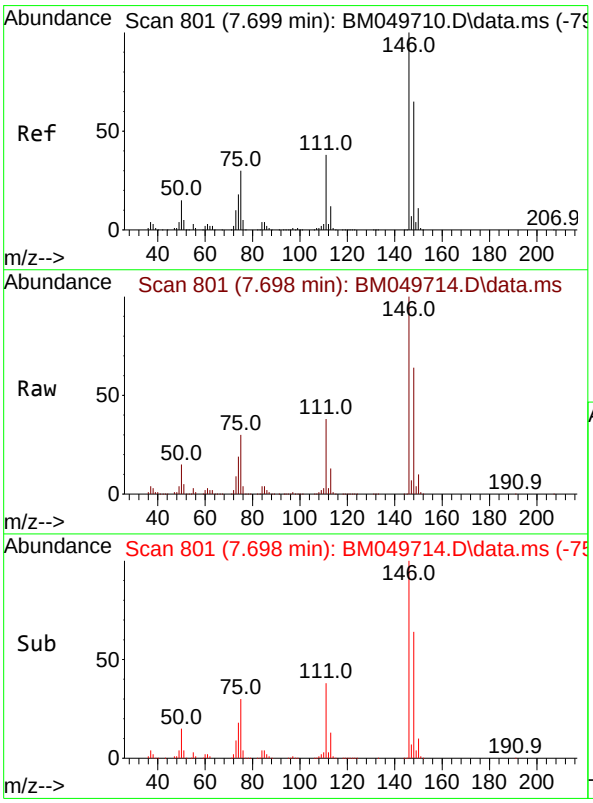
Ion	Ratio	Lower	Upper
93	100		
63	75.0	54.8	94.8
95	32.8	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

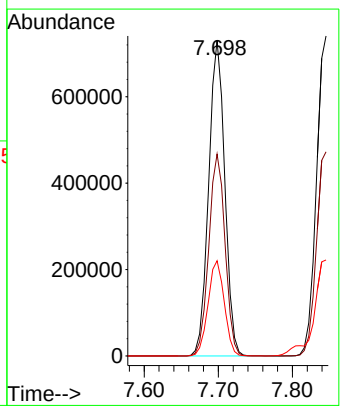
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

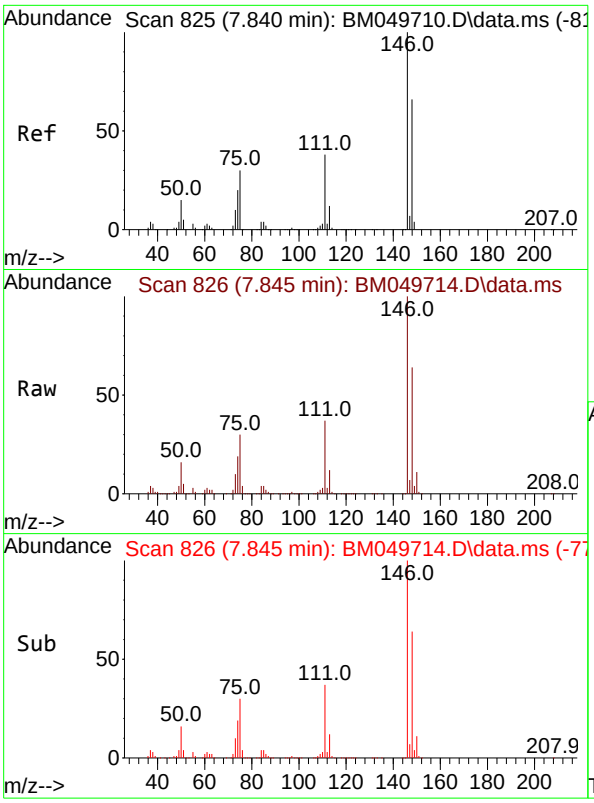


#12
1,3-Dichlorobenzene
Concen: 38.623 ng
RT: 7.698 min Scan# 801
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:146 Resp: 1101384

Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.3	78.5
75	30.2	24.2	36.2

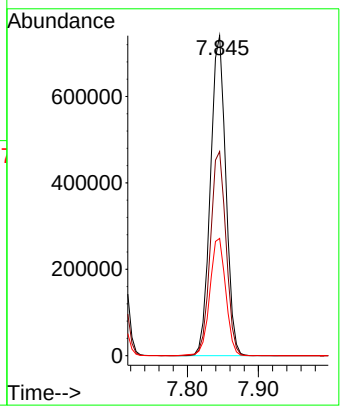




#13
1,4-Dichlorobenzene
Concen: 38.645 ng
RT: 7.845 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:146 Resp: 111173

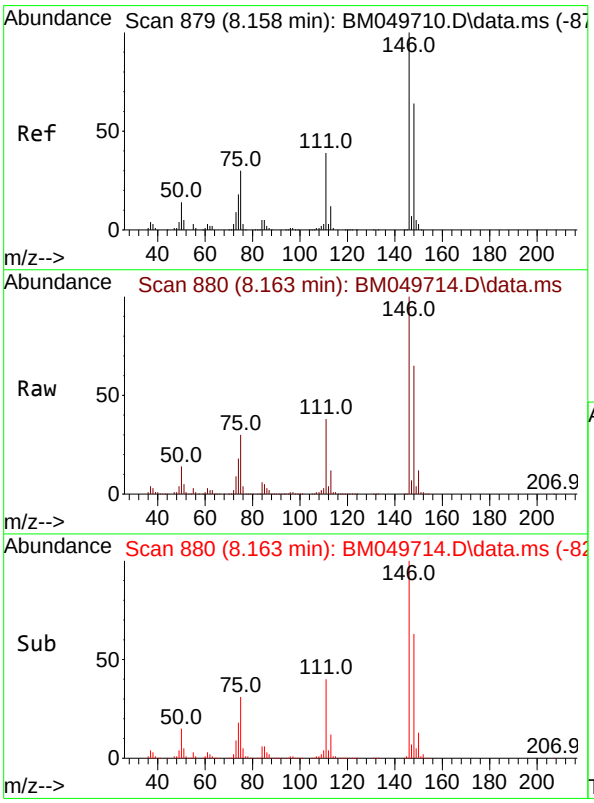
Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.6	79.0
111	36.7	30.8	46.2



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

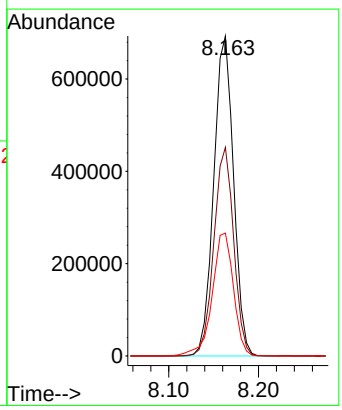
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

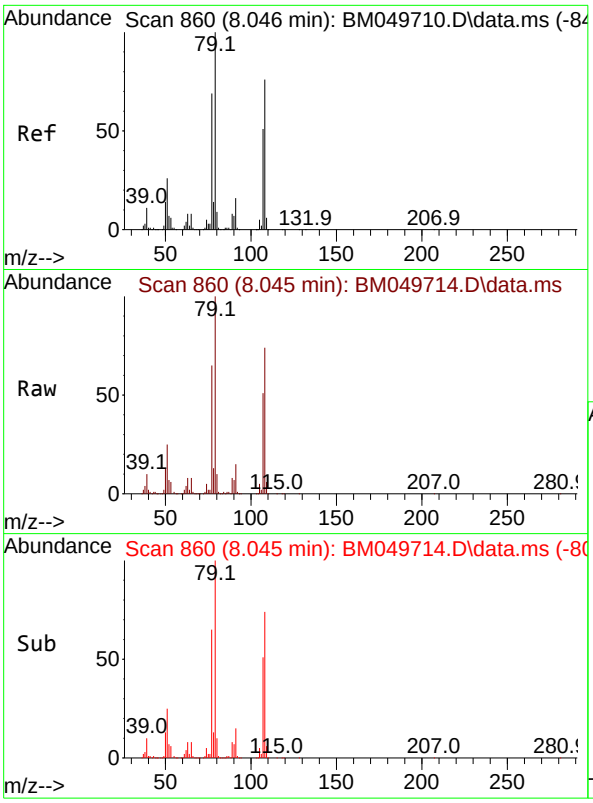


#14
1,2-Dichlorobenzene
Concen: 38.803 ng
RT: 8.163 min Scan# 880
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:146 Resp: 1060889

Ion	Ratio	Lower	Upper
146	100		
148	65.2	50.9	76.3
111	38.4	31.0	46.6

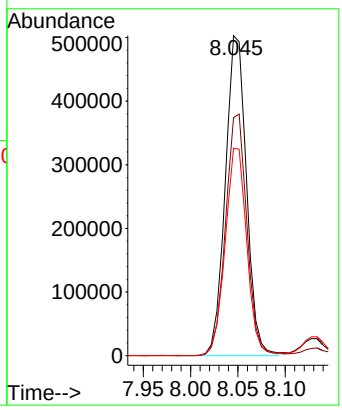




#15
Benzyl Alcohol
Concen: 41.958 ng
RT: 8.045 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 79 Resp: 78296

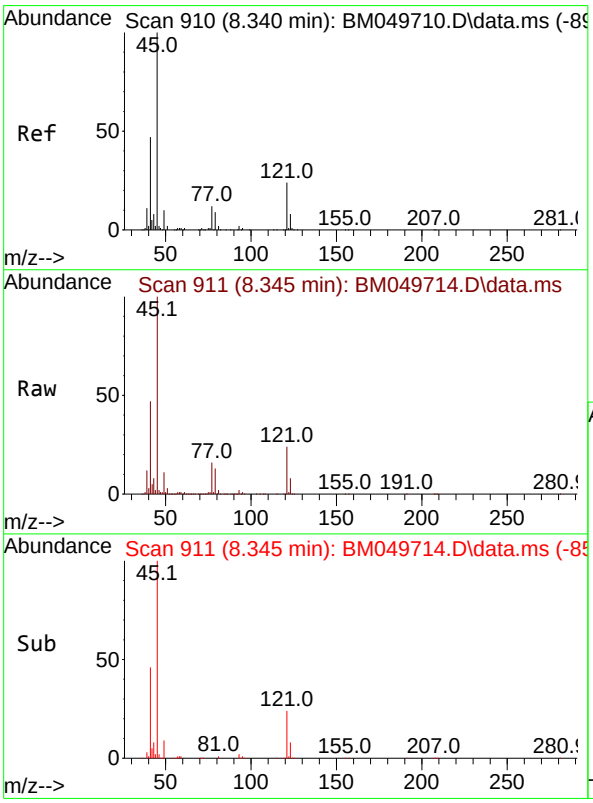
Ion	Ratio	Lower	Upper
79	100		
108	74.4	60.7	91.1
77	64.9	55.4	83.2



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

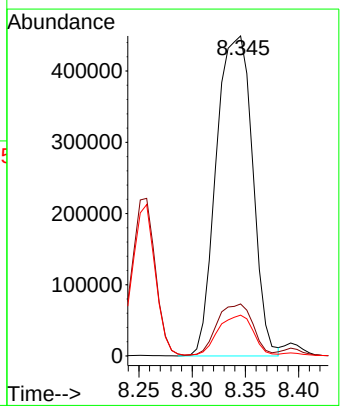
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

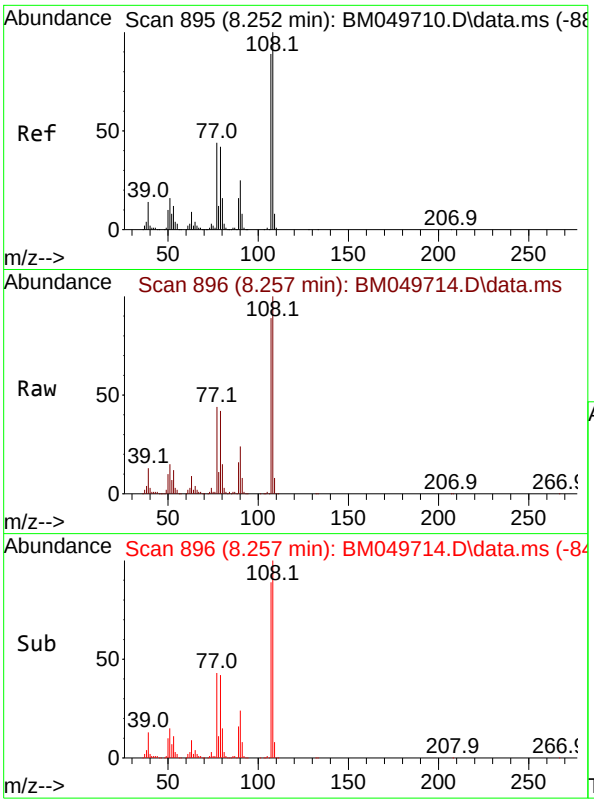


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.736 ng
RT: 8.345 min Scan# 911
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 45 Resp: 1062992

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	36.1
79	12.8	0.0	32.8

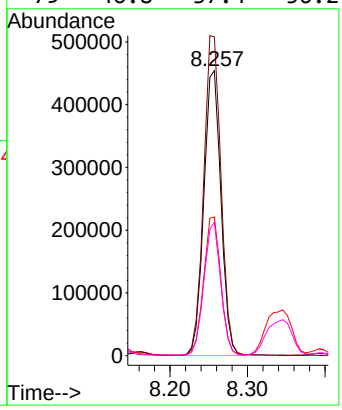




#17
2-Methylphenol
Concen: 40.737 ng
RT: 8.257 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:107 Resp: 69734

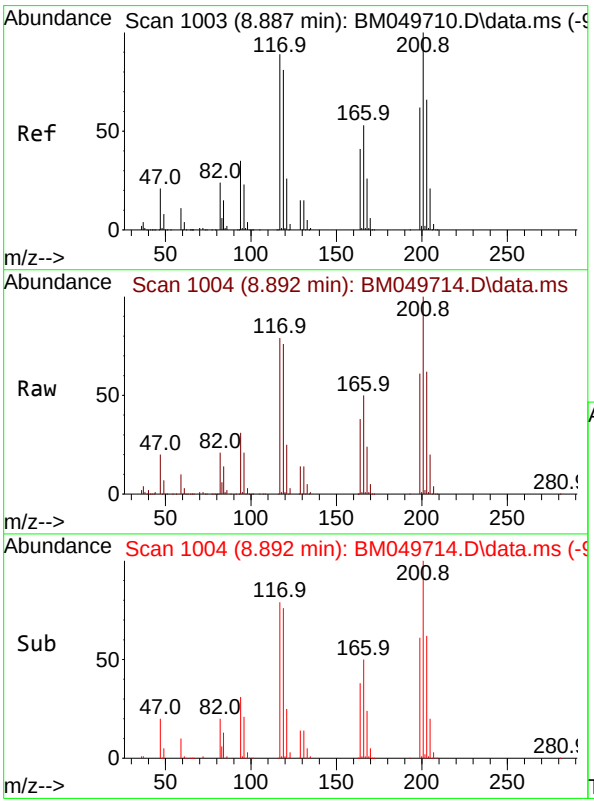
Ion	Ratio	Lower	Upper
107	100		
108	111.9	89.6	134.4
77	48.7	39.8	59.6
79	46.8	37.4	56.2



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

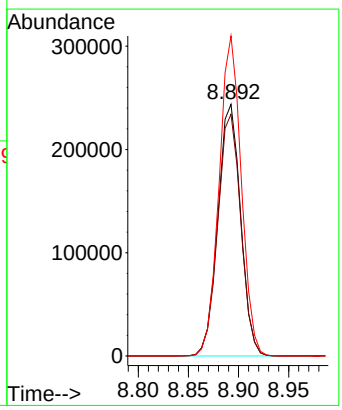
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

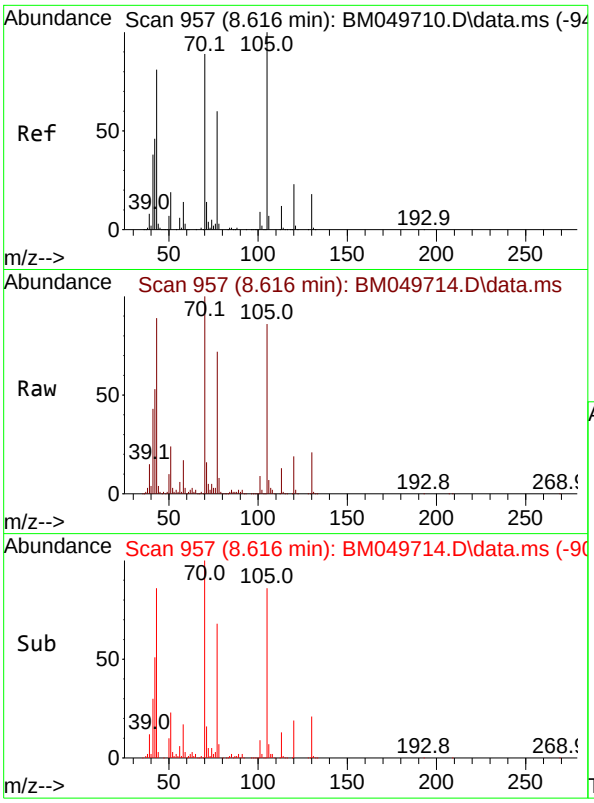


#18
Hexachloroethane
Concen: 37.848 ng
RT: 8.892 min Scan# 1004
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:117 Resp: 384500

Ion	Ratio	Lower	Upper
117	100		
119	96.0	73.1	109.7
201	127.1	90.0	135.0

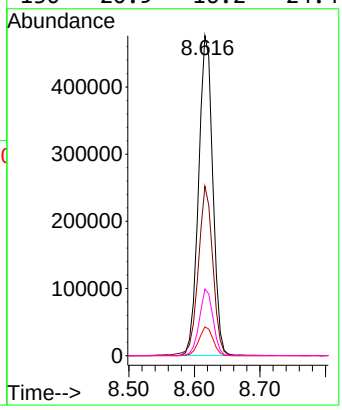




#19
n-Nitroso-di-n-propylamine
Concen: 41.653 ng
RT: 8.616 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 70 Resp: 71821

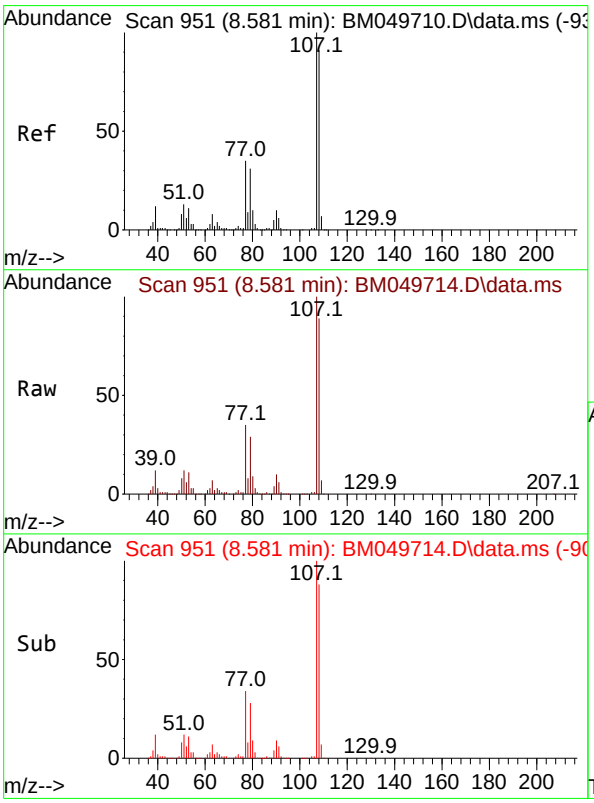
Ion	Ratio	Lower	Upper
70	100		
42	52.9	41.8	62.6
101	9.0	7.7	11.5
130	20.9	16.2	24.4



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

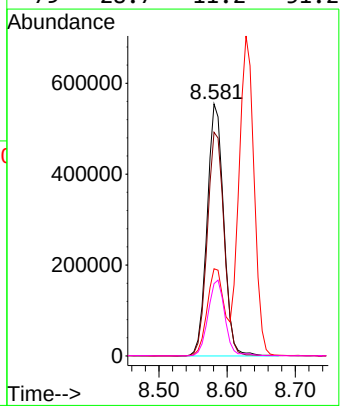
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

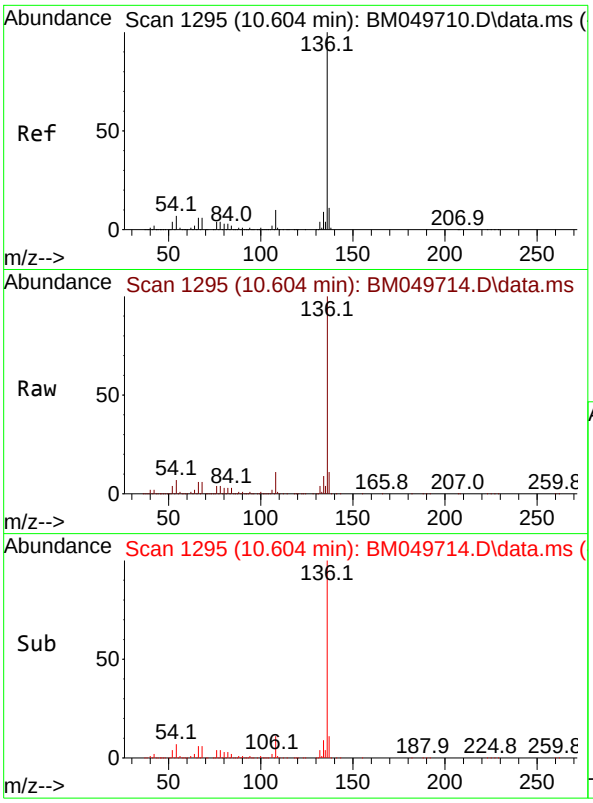


#20
3+4-Methylphenols
Concen: 40.994 ng
RT: 8.581 min Scan# 951
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:107 Resp: 940414

Ion	Ratio	Lower	Upper
107	100		
108	88.8	71.0	111.0
77	34.6	15.1	55.1
79	28.7	11.2	51.2

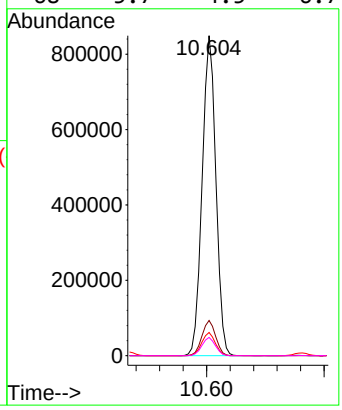




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:136 Resp: 136945

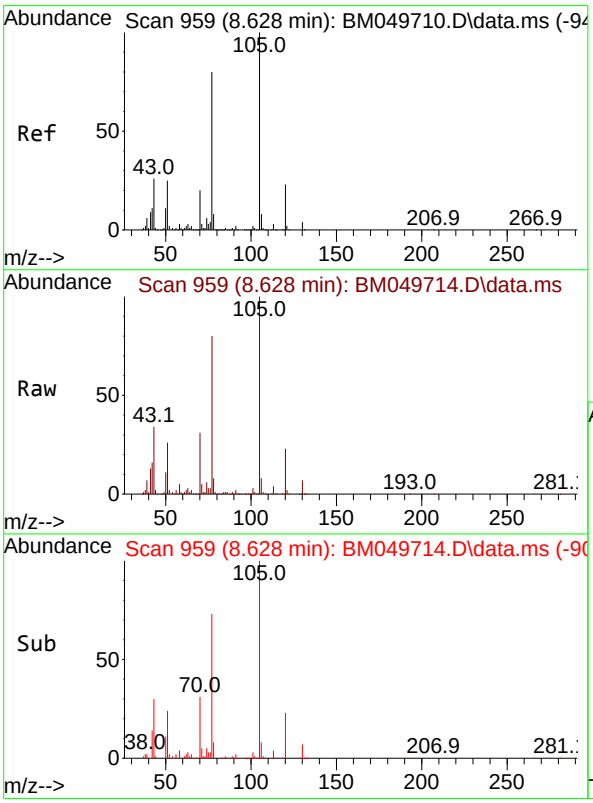
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	7.2	5.8	8.8
68	5.7	4.5	6.7



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

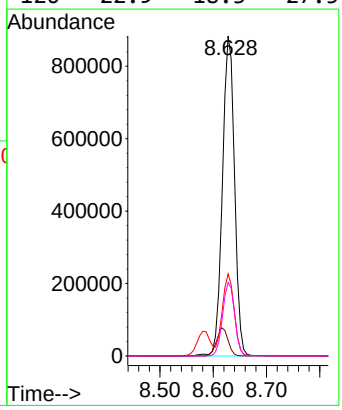
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

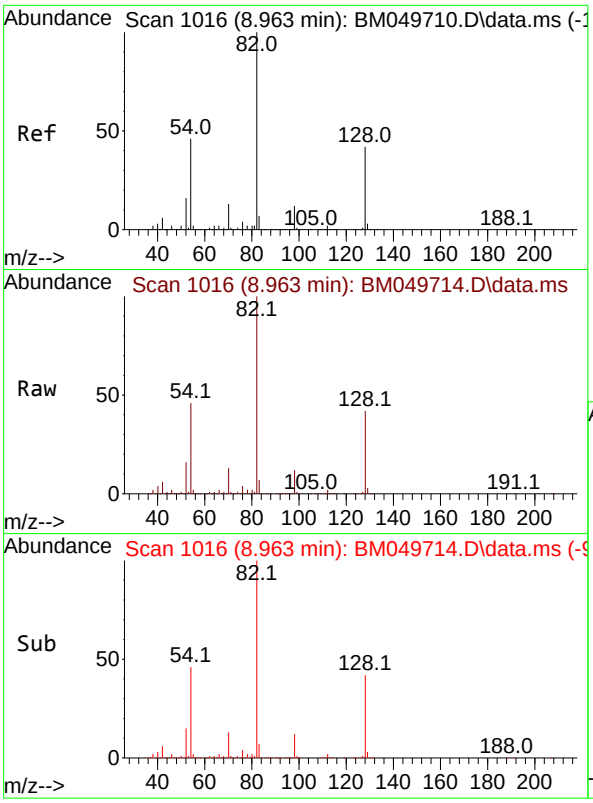


#22
Acetophenone
Concen: 39.465 ng
RT: 8.628 min Scan# 959
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:105 Resp: 1393533

Ion	Ratio	Lower	Upper
105	100		
71	4.9	2.5	3.7#
51	25.7	19.9	29.9
120	22.9	18.3	27.5

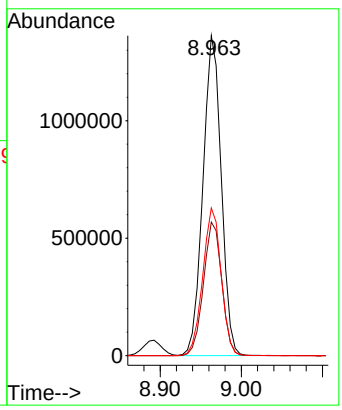




#23
Nitrobenzene-d5
Concen: 79.713 ng
RT: 8.963 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 82 Resp: 212619

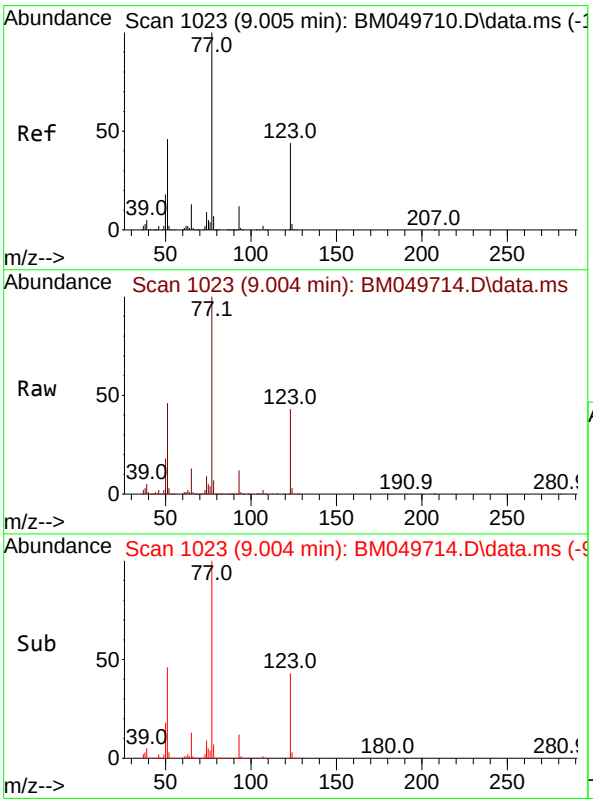
Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.4	50.0
54	46.2	36.4	54.6



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

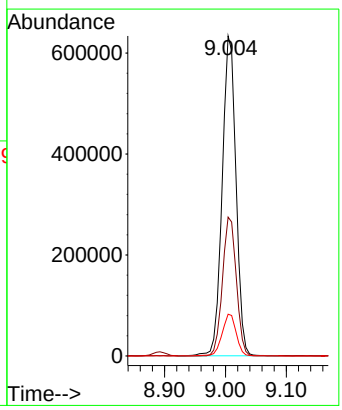
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

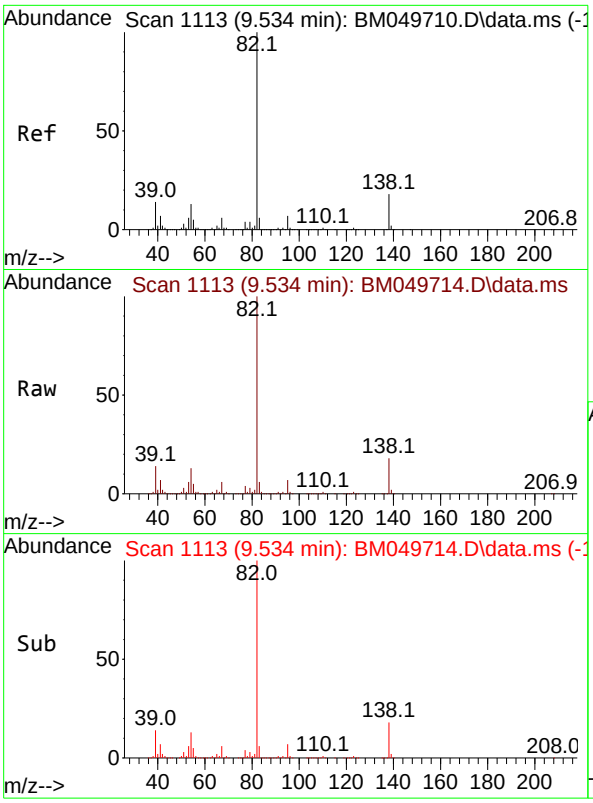


#24
Nitrobenzene
Concen: 39.649 ng
RT: 9.004 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 77 Resp: 997217

Ion	Ratio	Lower	Upper
77	100		
123	43.4	34.9	52.3
65	13.0	10.6	15.8

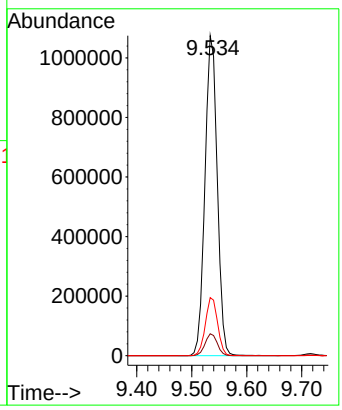




#25
Isophorone
Concen: 40.681 ng
RT: 9.534 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 82 Resp: 166602

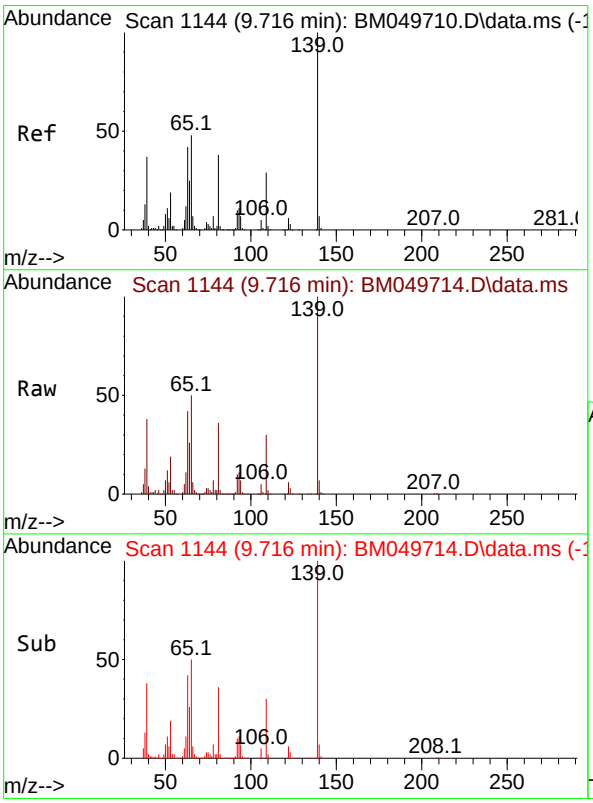
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	18.2	14.4	21.6



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

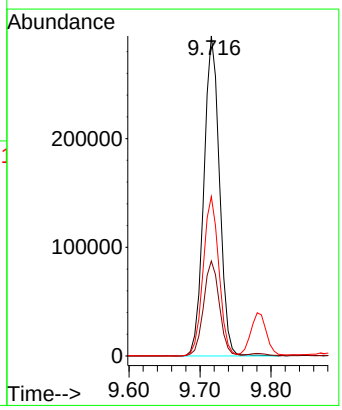
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

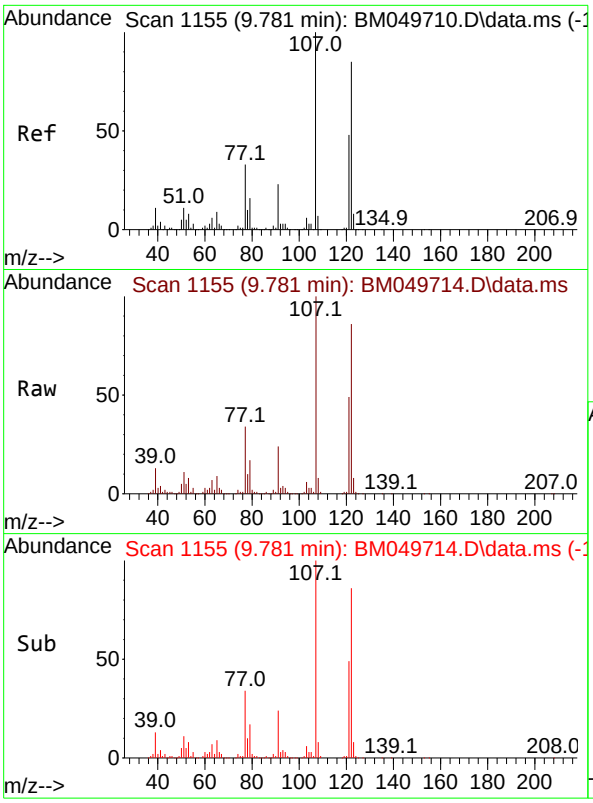


#26
2-Nitrophenol
Concen: 42.188 ng
RT: 9.716 min Scan# 1144
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:139 Resp: 451612

Ion	Ratio	Lower	Upper
139	100		
109	29.7	23.3	34.9
65	49.8	38.6	58.0

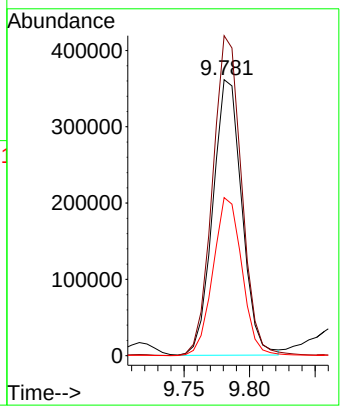




#27
2,4-Dimethylphenol
Concen: 40.805 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:122 Resp: 55600

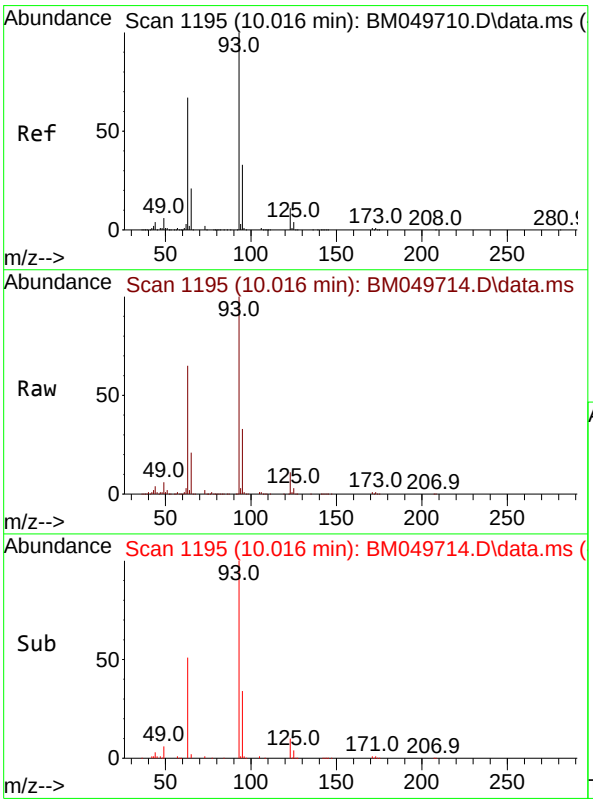
Ion	Ratio	Lower	Upper
122	100		
107	115.9	94.3	141.5
121	57.3	45.4	68.2



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

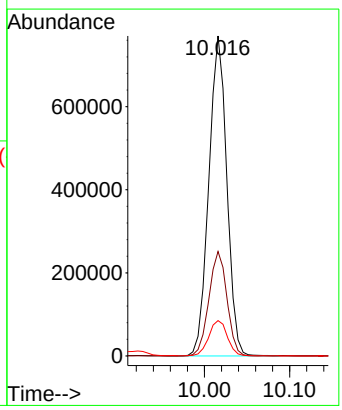
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

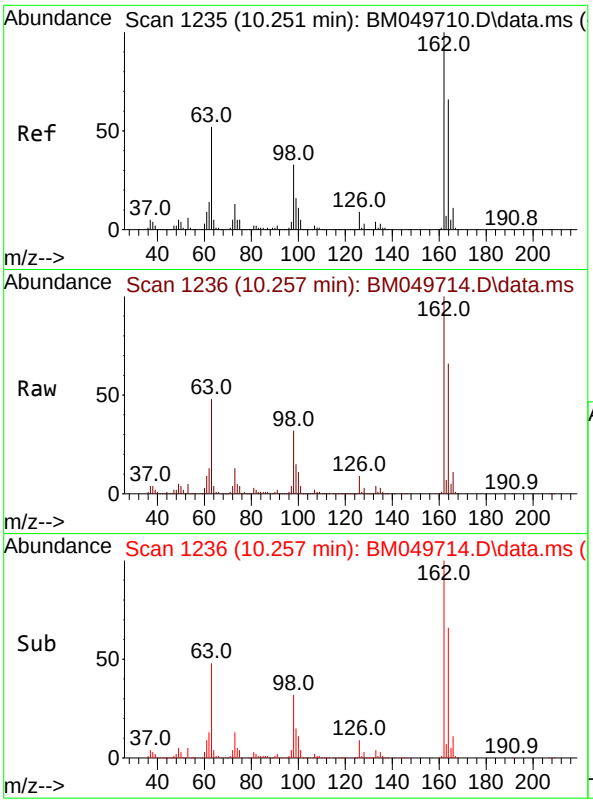


#28
bis(2-Chloroethoxy)methane
Concen: 39.135 ng
RT: 10.016 min Scan# 1195
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 93 Resp: 1128797

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.6	40.0
123	11.1	9.0	13.6

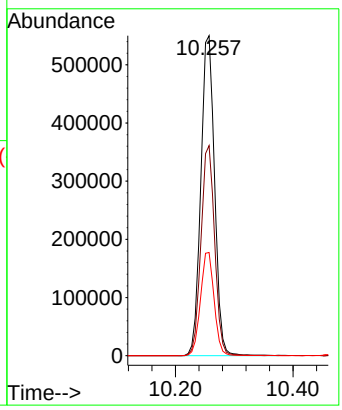




#29
2,4-Dichlorophenol
Concen: 40.313 ng
RT: 10.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:162 Resp: 89507

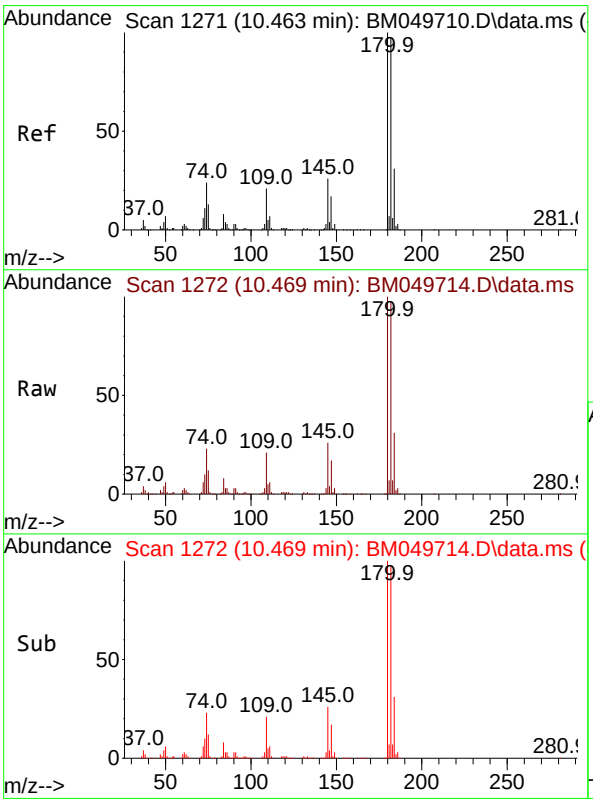
Ion	Ratio	Lower	Upper
162	100		
164	65.6	46.3	86.3
98	32.2	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

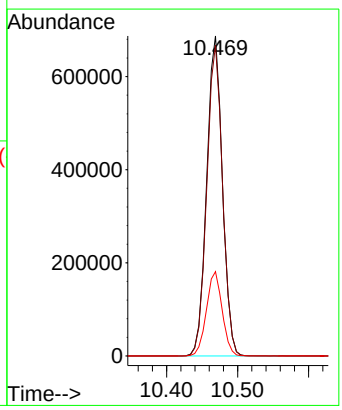
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

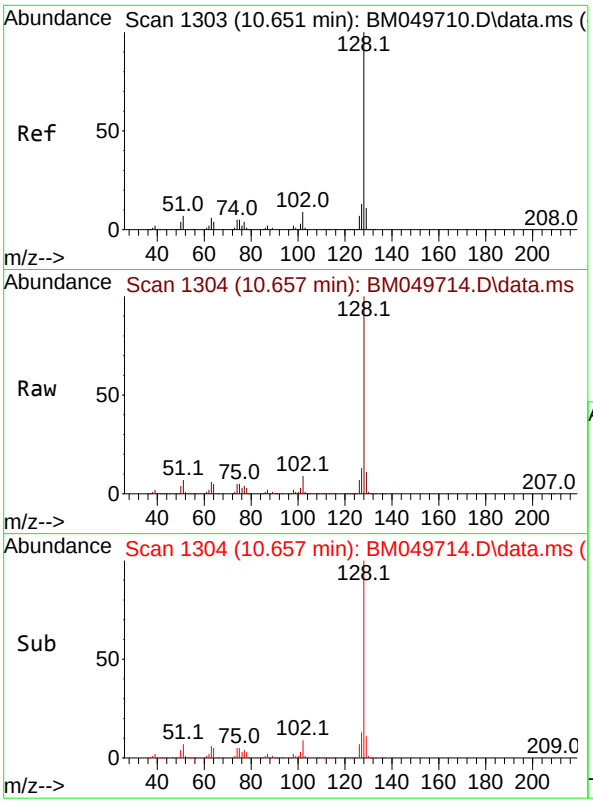


#30
1,2,4-Trichlorobenzene
Concen: 38.096 ng
RT: 10.469 min Scan# 1272
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:180 Resp: 1058273

Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.7	116.5
145	26.3	21.0	31.4

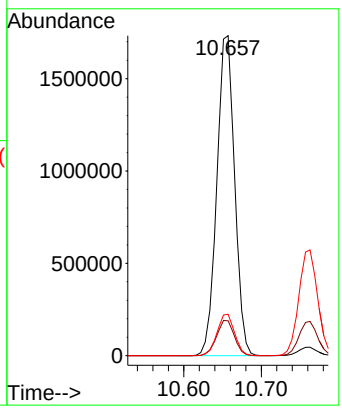




#31
Naphthalene
Concen: 39.284 ng
RT: 10.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:128 Resp: 276632

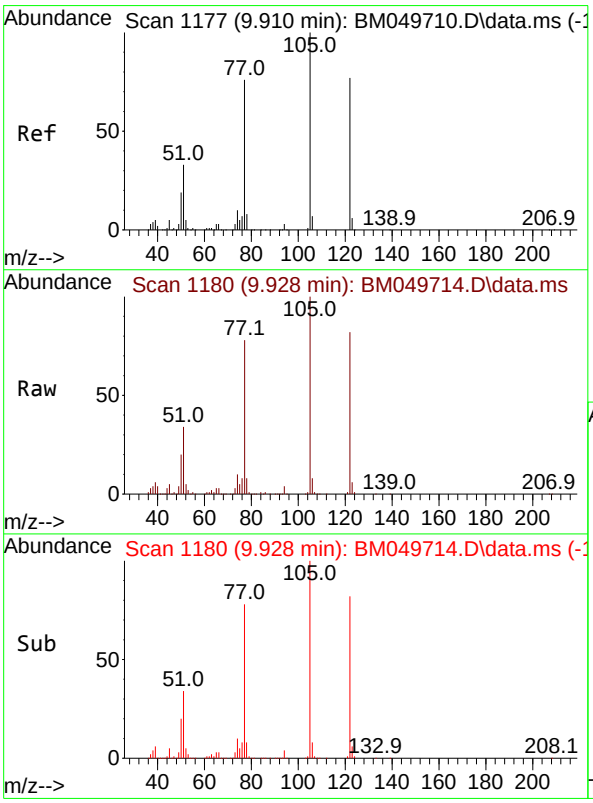
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.9	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

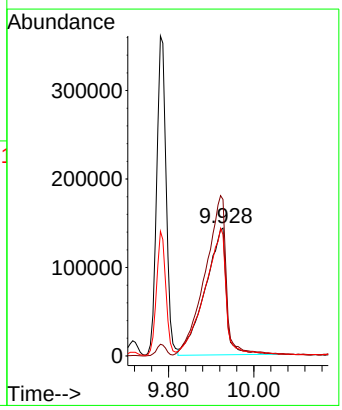
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

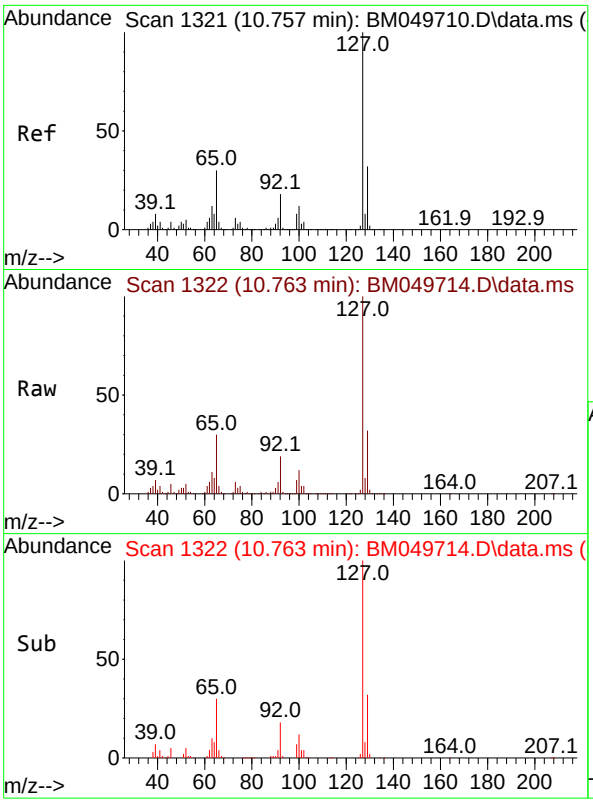


#32
Benzoic acid
Concen: 42.940 ng
RT: 9.928 min Scan# 1180
Delta R.T. 0.018 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:122 Resp: 497601

Ion	Ratio	Lower	Upper
122	100		
105	122.5	105.6	145.6
77	95.0	76.9	116.9

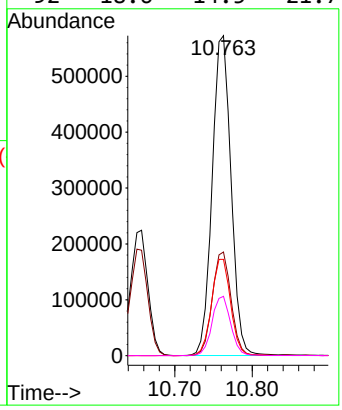




#33
4-Chloroaniline
Concen: 40.318 ng
RT: 10.763 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:127 Resp: 96893

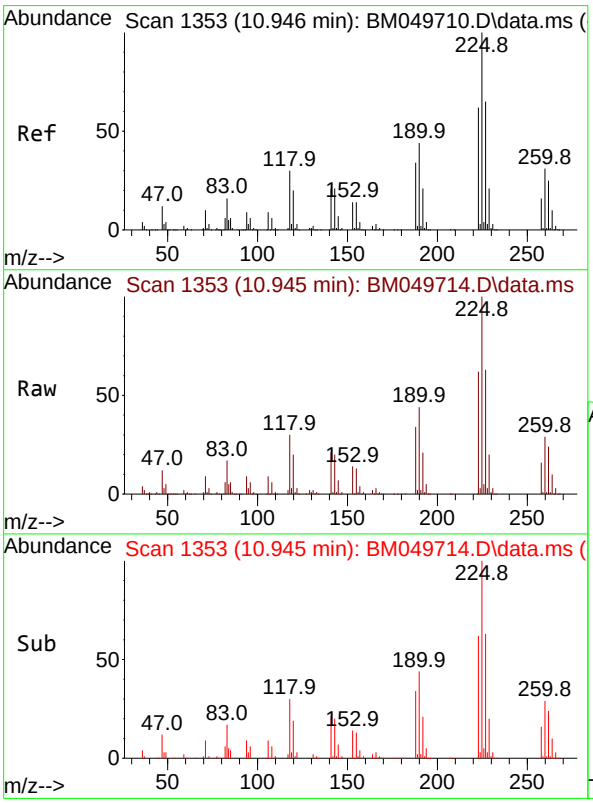
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.7	38.5
65	30.1	24.1	36.1
92	18.6	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

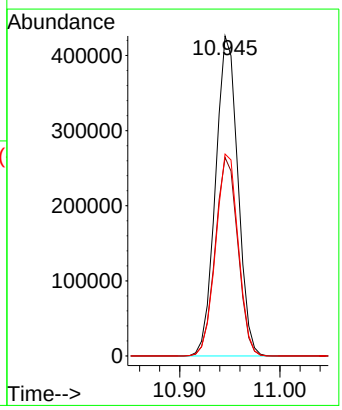
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

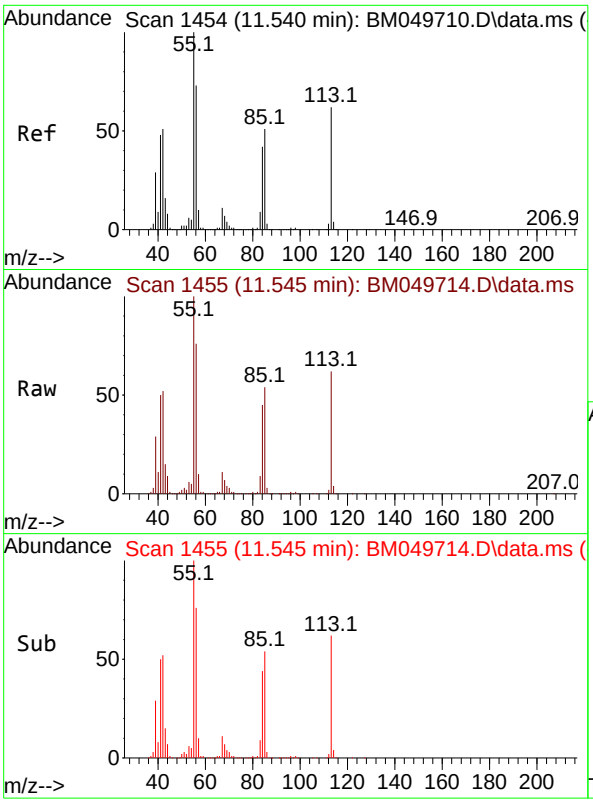


#34
Hexachlorobutadiene
Concen: 38.204 ng
RT: 10.945 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:225 Resp: 655162

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.8	74.8
227	63.1	52.1	78.1

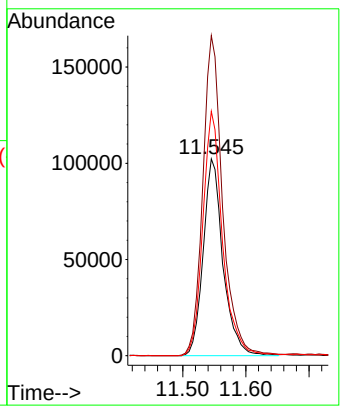




#35
Caprolactam
Concen: 43.119 ng
RT: 11.545 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:113 Resp: 22227

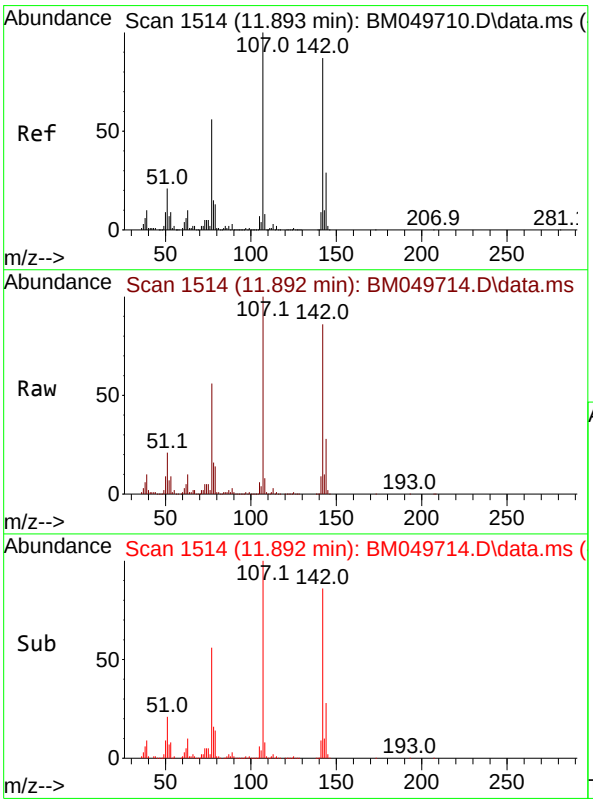
Ion	Ratio	Lower	Upper
113	100		
55	162.6	141.8	181.8
56	124.1	98.0	138.0



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

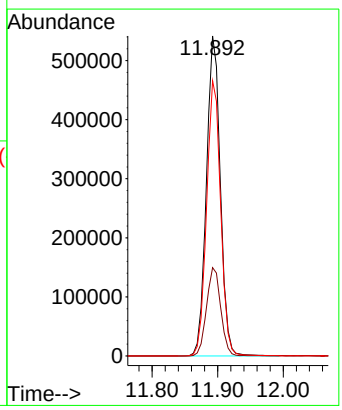
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

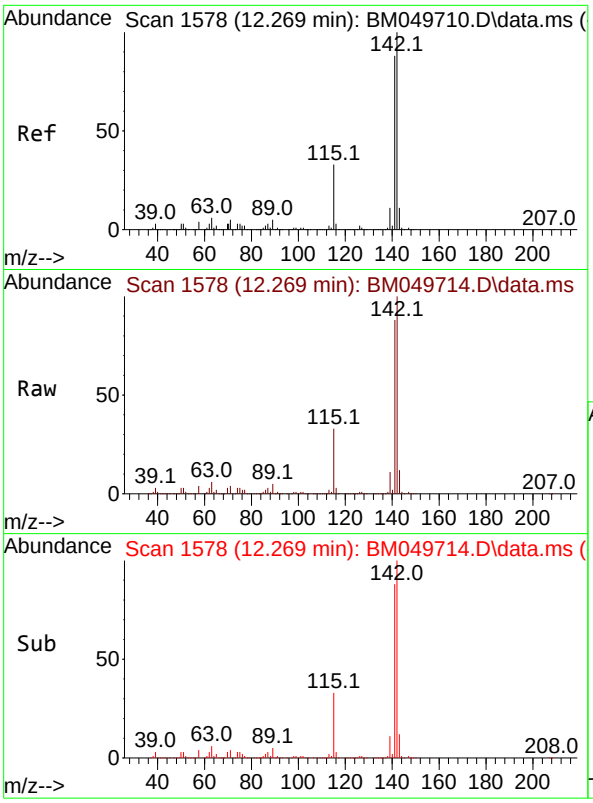


#36
4-Chloro-3-methylphenol
Concen: 42.022 ng
RT: 11.892 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:107 Resp: 800680

Ion	Ratio	Lower	Upper
107	100		
144	27.6	23.0	34.6
142	86.0	69.8	104.8

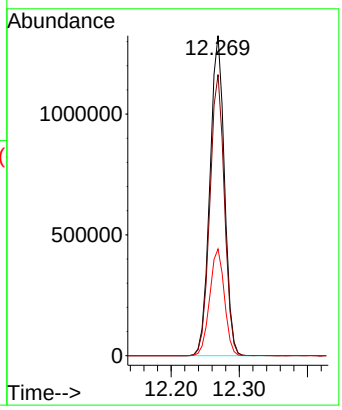




#37
2-Methylnaphthalene
Concen: 39.933 ng
RT: 12.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:142 Resp: 196625

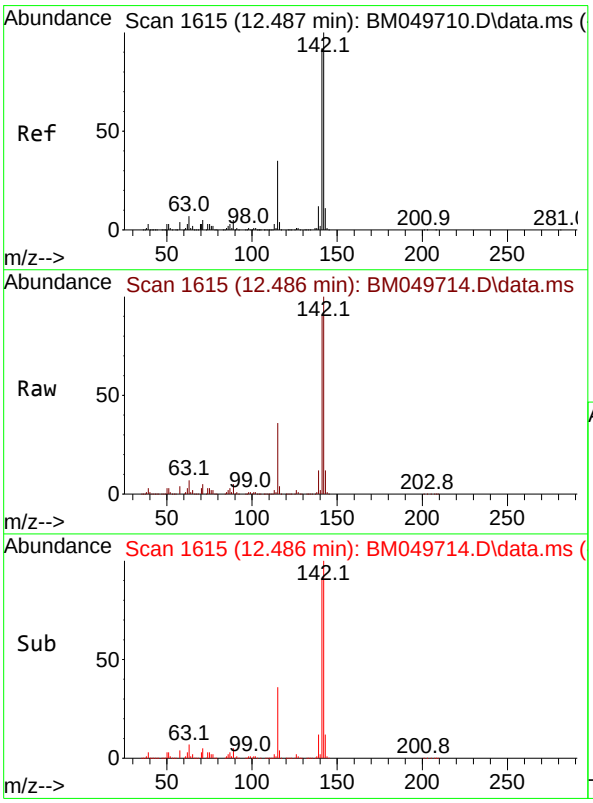
Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.5	105.7
115	33.3	26.5	39.7



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

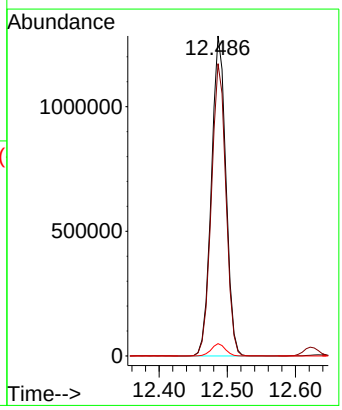
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

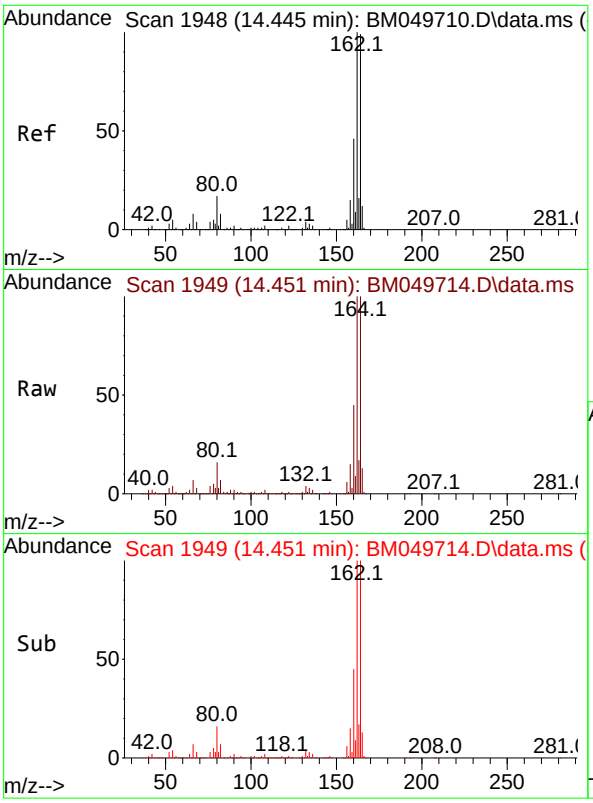


#38
1-Methylnaphthalene
Concen: 40.096 ng
RT: 12.486 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:142 Resp: 1904818

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.4	110.2
116	3.8	2.8	4.2

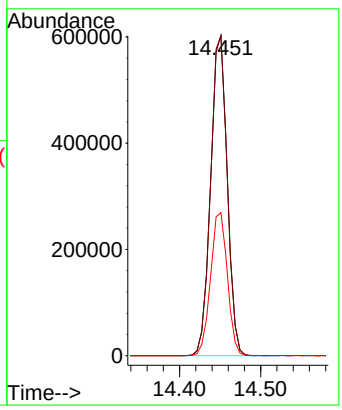




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:164 Resp: 85229

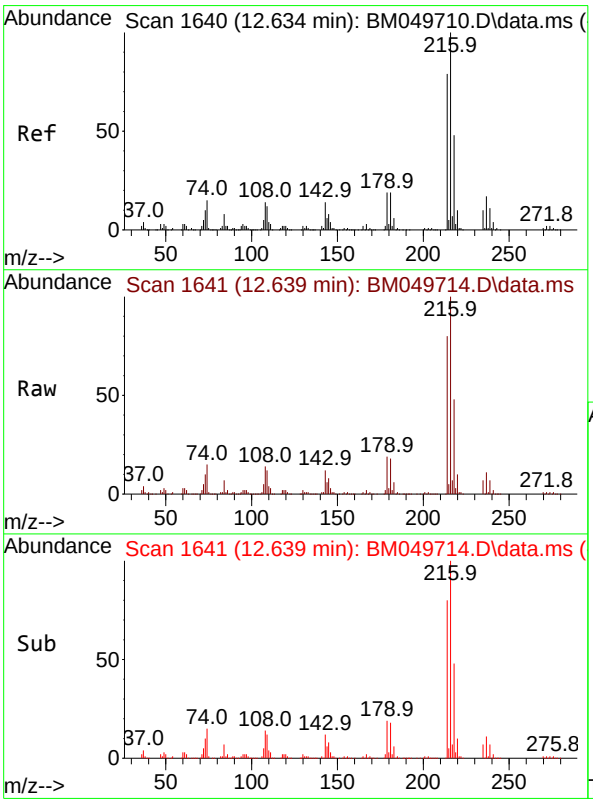
Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.5	120.7
160	44.7	36.9	55.3



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

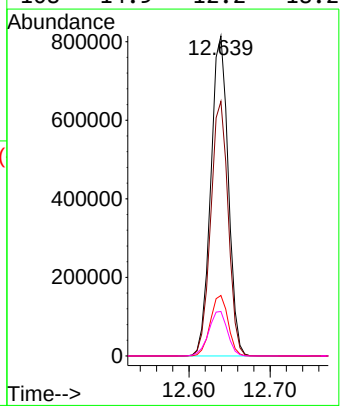
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

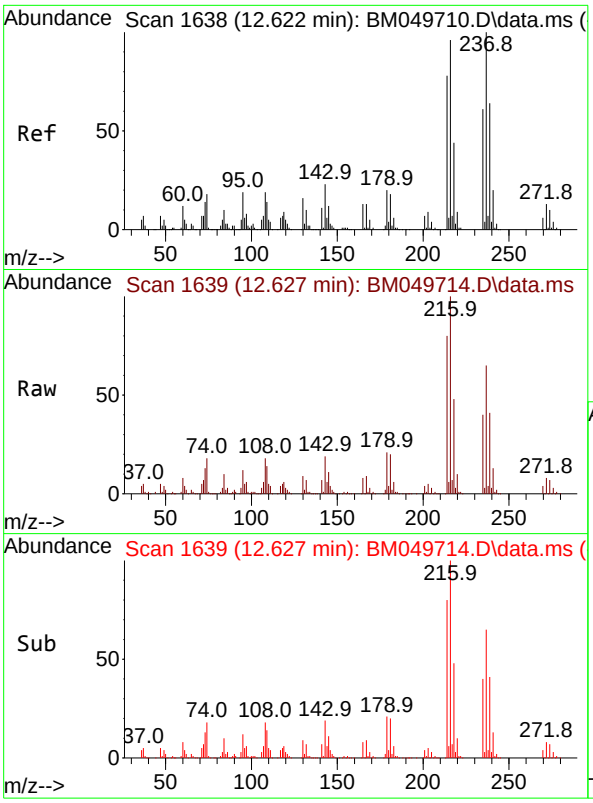


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.890 ng
RT: 12.639 min Scan# 1641
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:216 Resp: 1217494

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.5	95.3
179	19.2	15.7	23.5
108	14.9	12.2	18.2

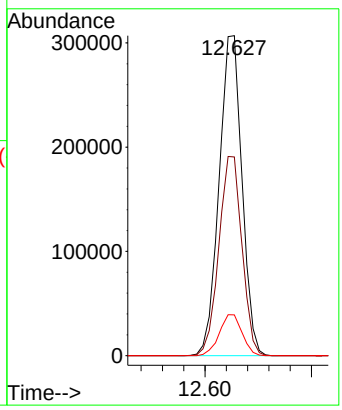




#41
Hexachlorocyclopentadiene
Concen: 39.461 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:237 Resp: 45766

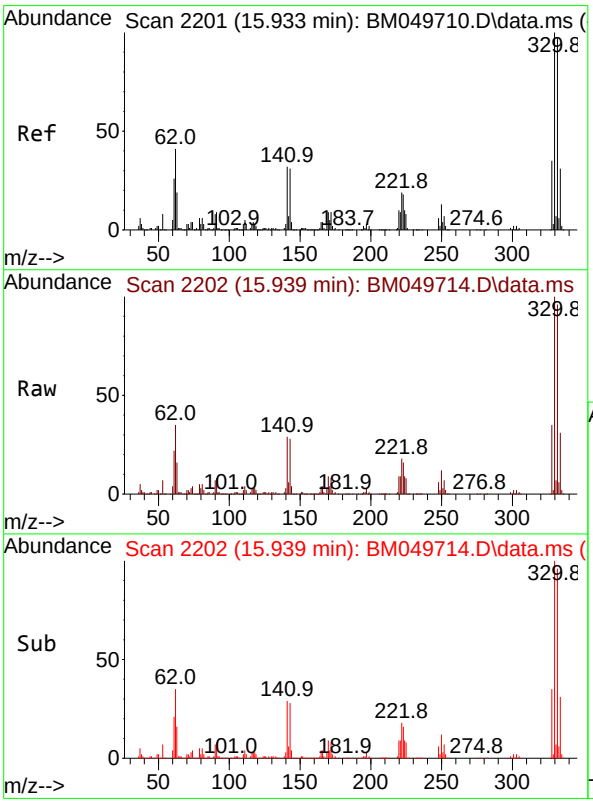
Ion	Ratio	Lower	Upper
237	100		
235	62.1	41.1	81.1
272	12.8	0.0	32.5



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

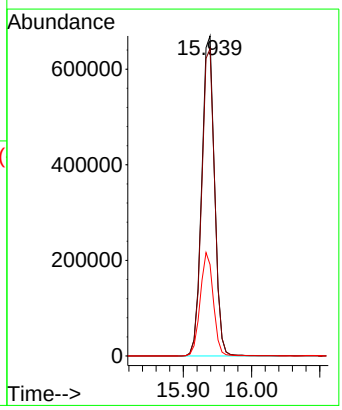
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

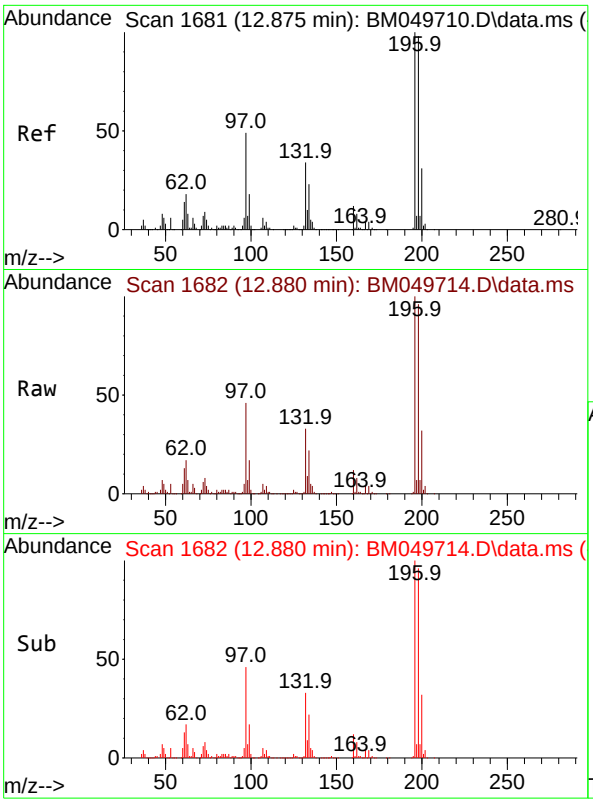


#42
2,4,6-Tribromophenol
Concen: 87.947 ng
RT: 15.939 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:330 Resp: 875272

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.4
141	33.0	27.8	41.6

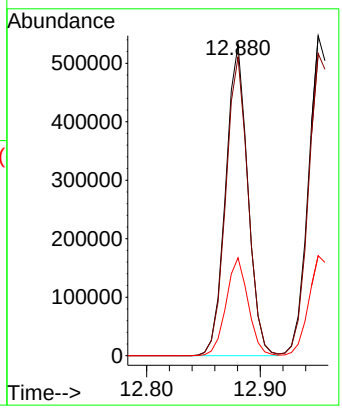




#43
2,4,6-Trichlorophenol
Concen: 41.087 ng
RT: 12.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:196 Resp: 72041

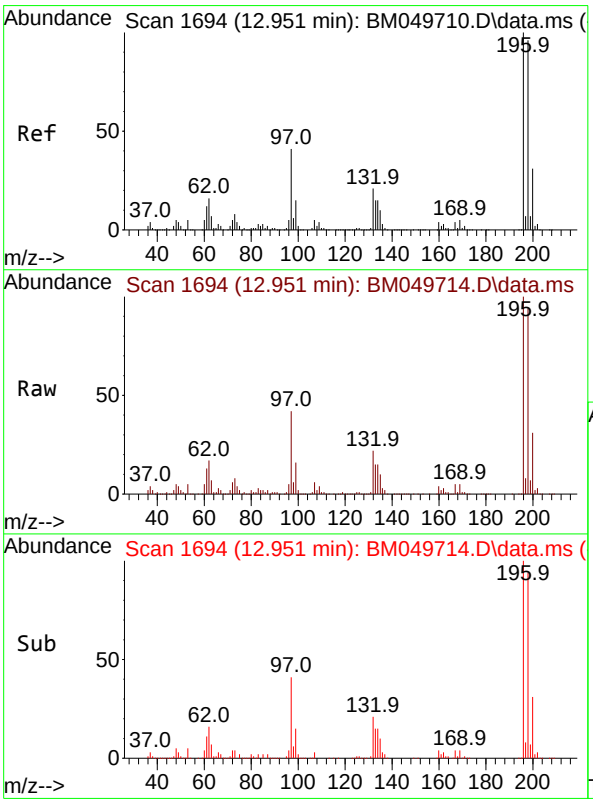
Ion	Ratio	Lower	Upper
196	100		
198	96.1	78.3	117.5
200	31.5	25.1	37.7



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

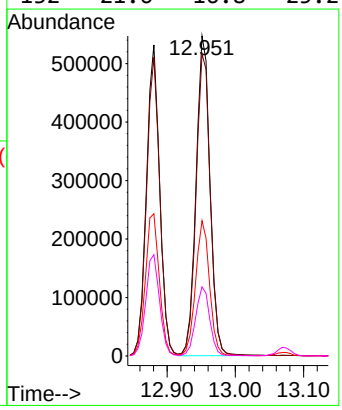
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

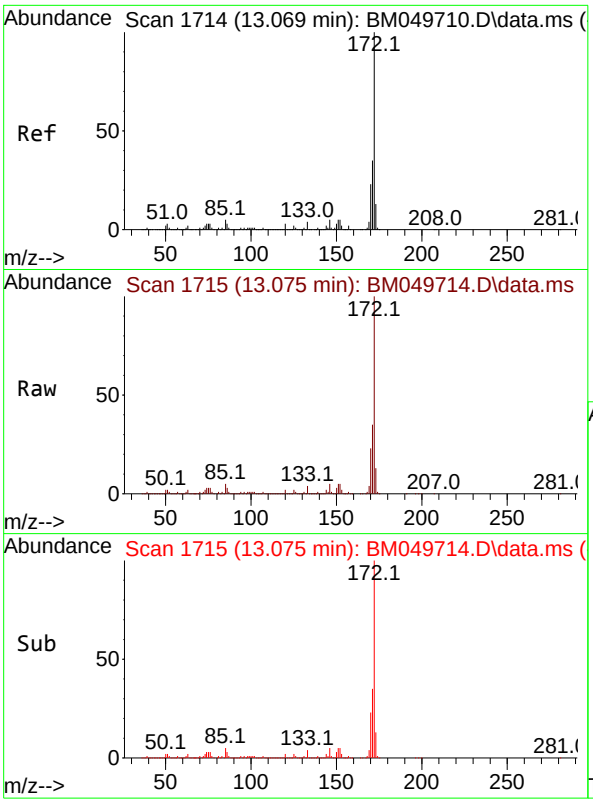


#44
2,4,5-Trichlorophenol
Concen: 40.857 ng
RT: 12.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:196 Resp: 781740

Ion	Ratio	Lower	Upper
196	100		
198	94.4	76.7	115.1
97	42.3	32.9	49.3
132	21.6	16.8	25.2

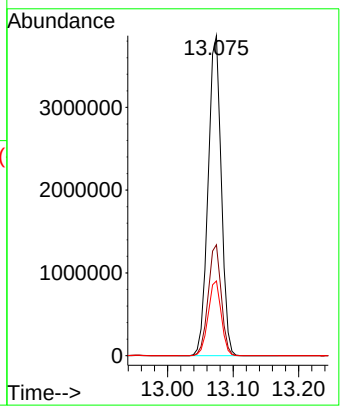




#45
2-Fluorobiphenyl
Concen: 78.993 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:172 Resp: 537582

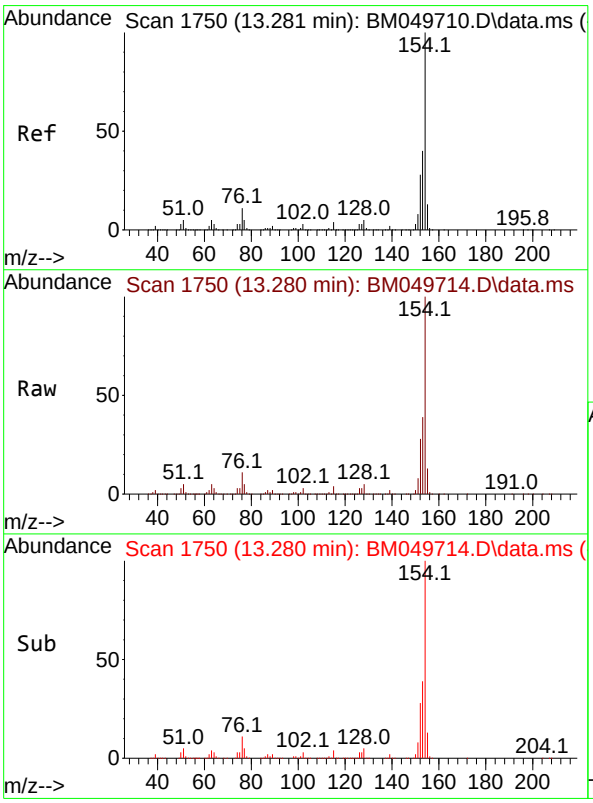
Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.9	41.9
170	23.3	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

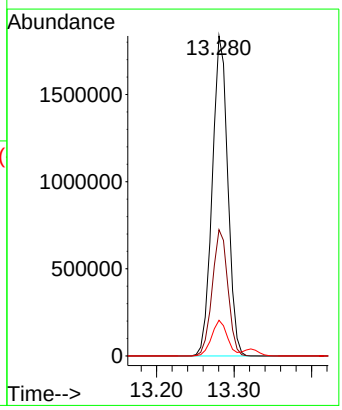
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

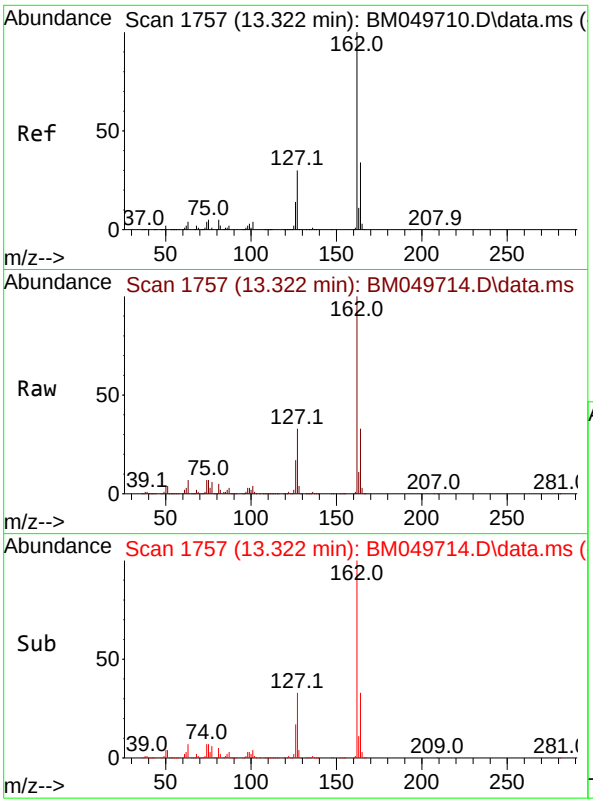


#46
1,1'-Biphenyl
Concen: 38.855 ng
RT: 13.280 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:154 Resp: 2552259

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.7	59.7
76	11.1	0.0	31.2

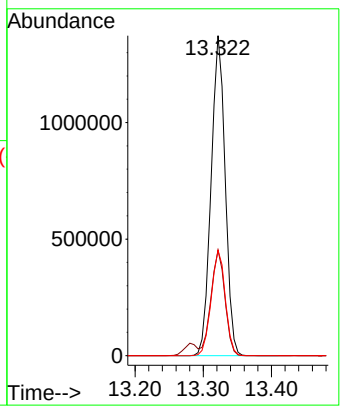




#47
2-Chloronaphthalene
Concen: 38.600 ng
RT: 13.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:162 Resp: 197355

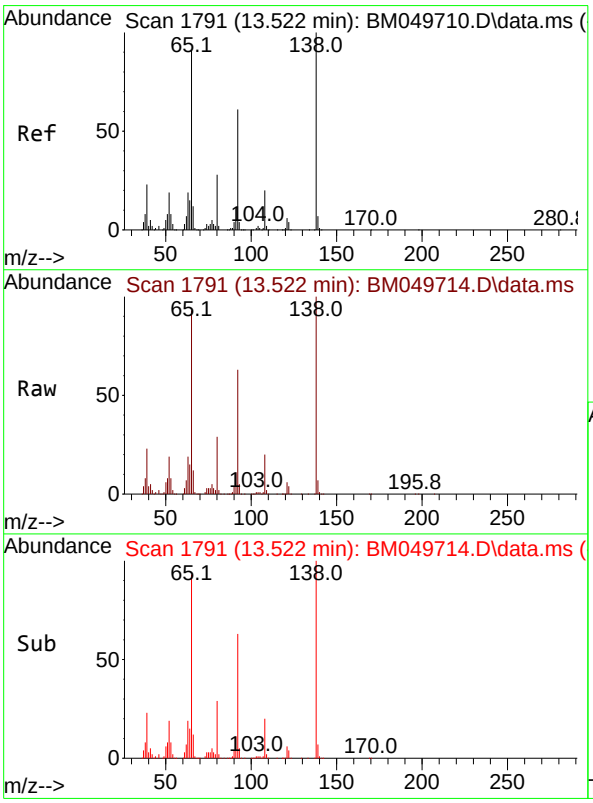
Ion	Ratio	Lower	Upper
162	100		
127	32.9	25.8	38.6
164	33.0	27.1	40.7



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

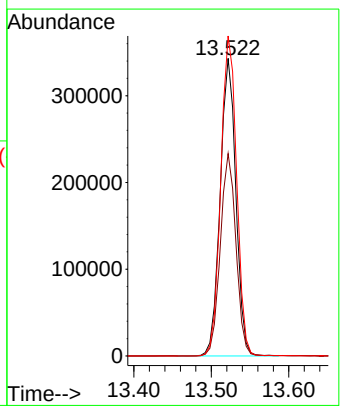
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

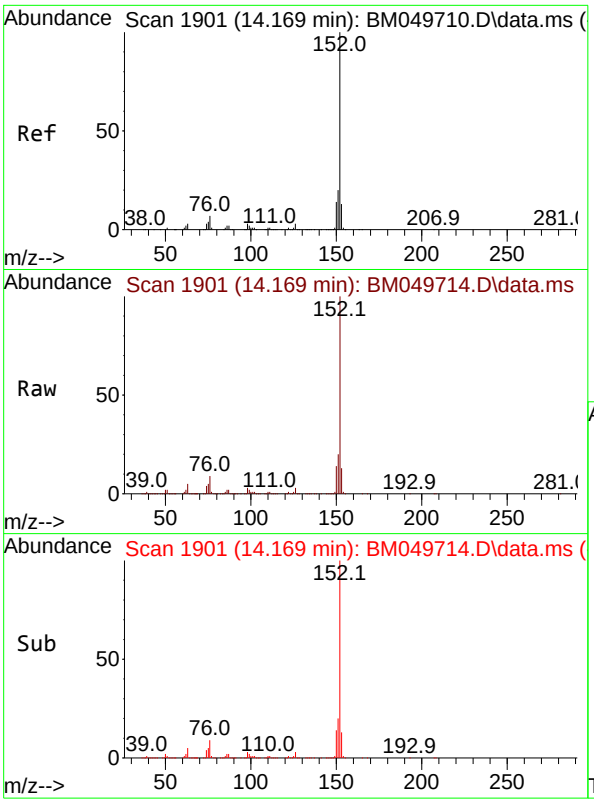


#48
2-Nitroaniline
Concen: 42.046 ng
RT: 13.522 min Scan# 1791
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 65 Resp: 482592

Ion	Ratio	Lower	Upper
65	100		
92	68.0	53.4	80.2
138	107.5	87.6	131.4

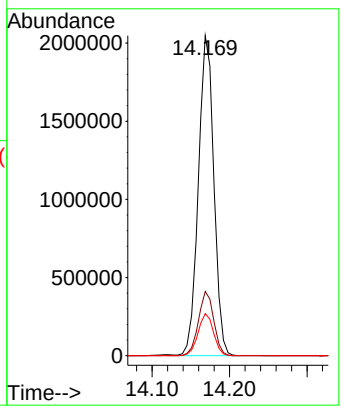




#49
Acenaphthylene
Concen: 39.705 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:152 Resp: 283757

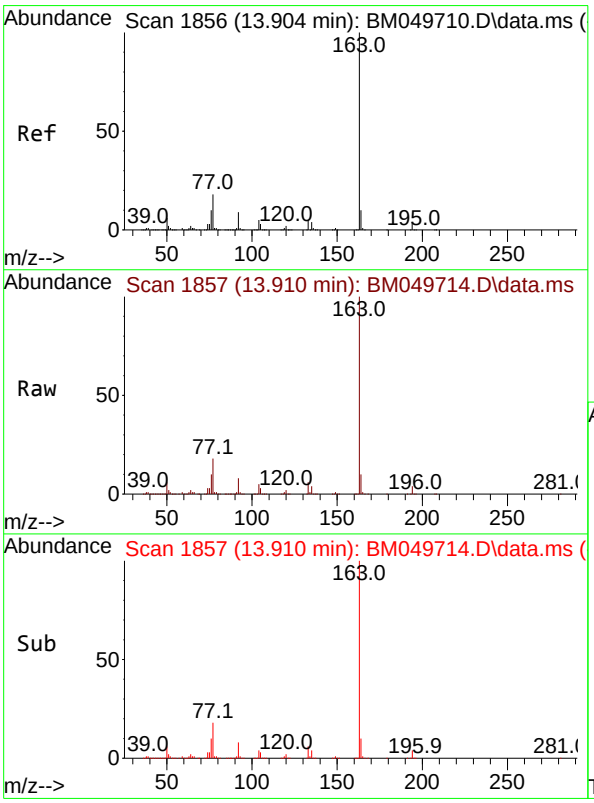
Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.2	10.2	15.4



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

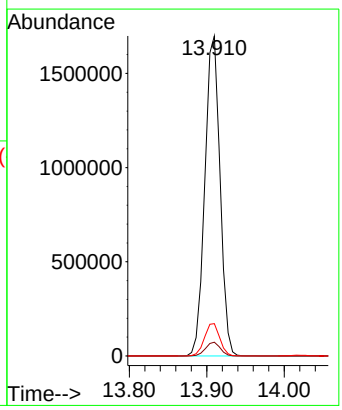
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

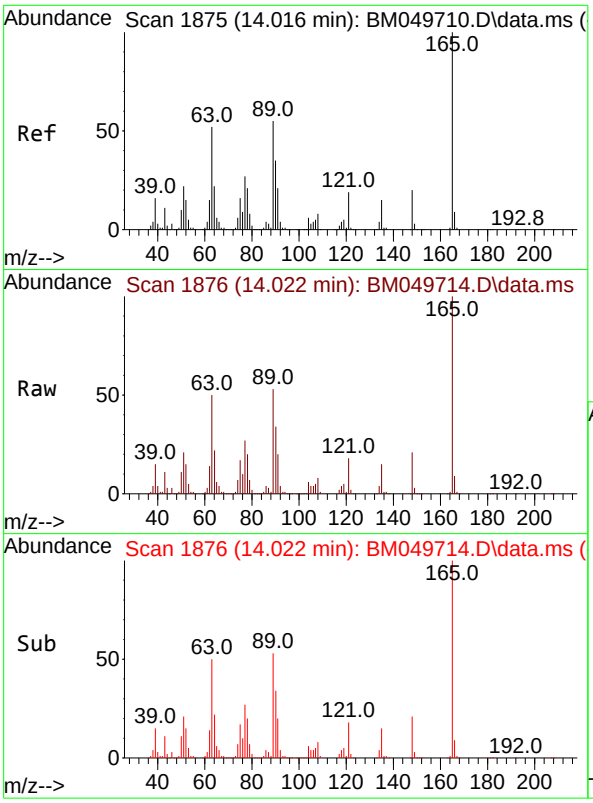


#50
Dimethylphthalate
Concen: 39.312 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:163 Resp: 2306806

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.1	8.2	12.2

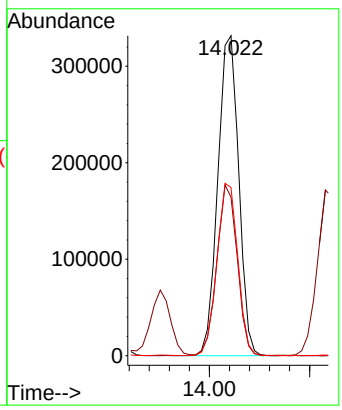




#51
2,6-Dinitrotoluene
Concen: 40.774 ng
RT: 14.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:165 Resp: 47940

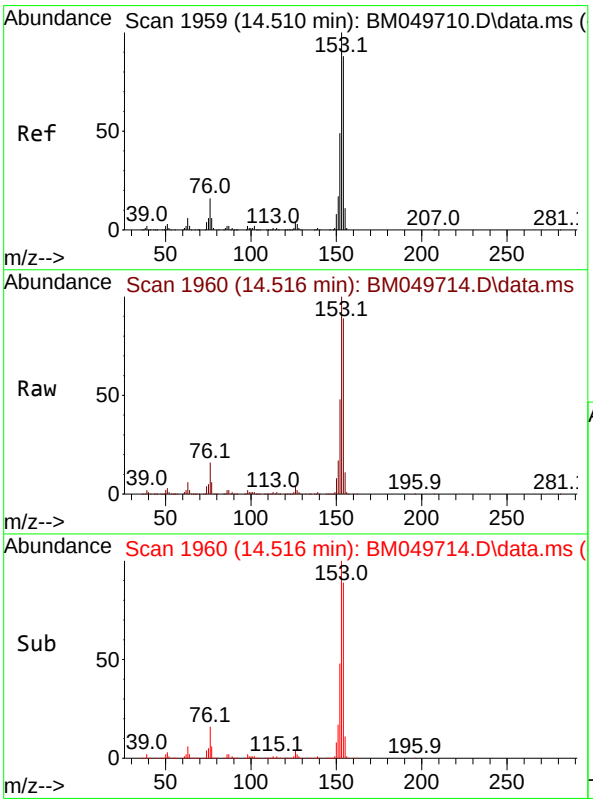
Ion	Ratio	Lower	Upper
165	100		
63	49.6	42.3	63.5
89	52.6	43.9	65.9



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

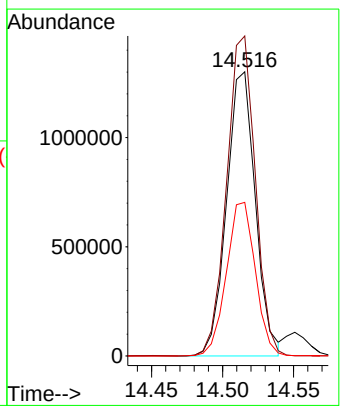
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

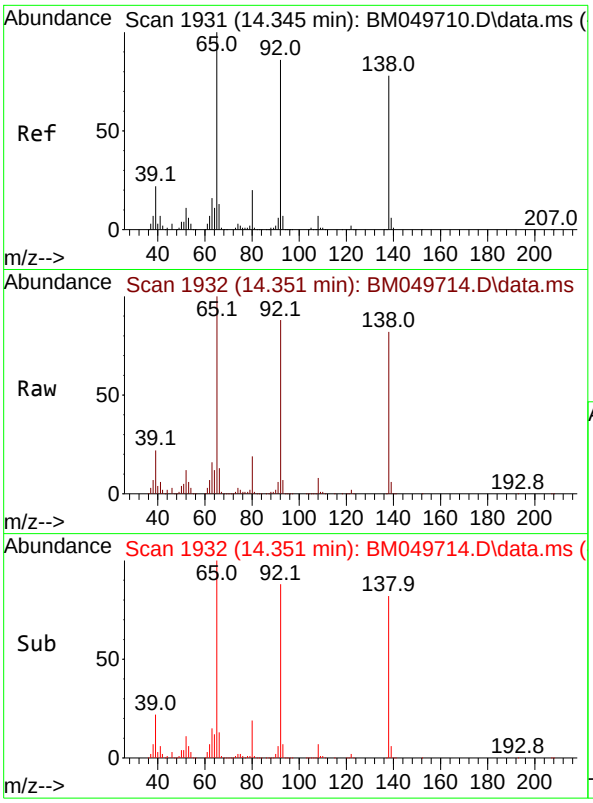


#52
Acenaphthene
Concen: 39.236 ng
RT: 14.516 min Scan# 1960
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:154 Resp: 1839291

Ion	Ratio	Lower	Upper
154	100		
153	112.6	90.4	135.6
152	54.1	44.2	66.2

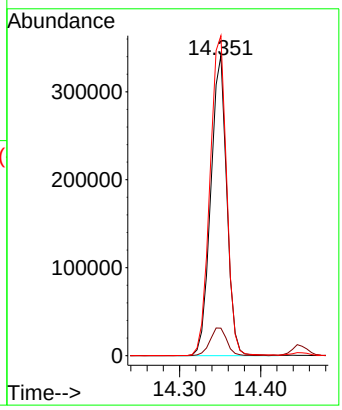




#53
3-Nitroaniline
Concen: 41.671 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:138 Resp: 46624

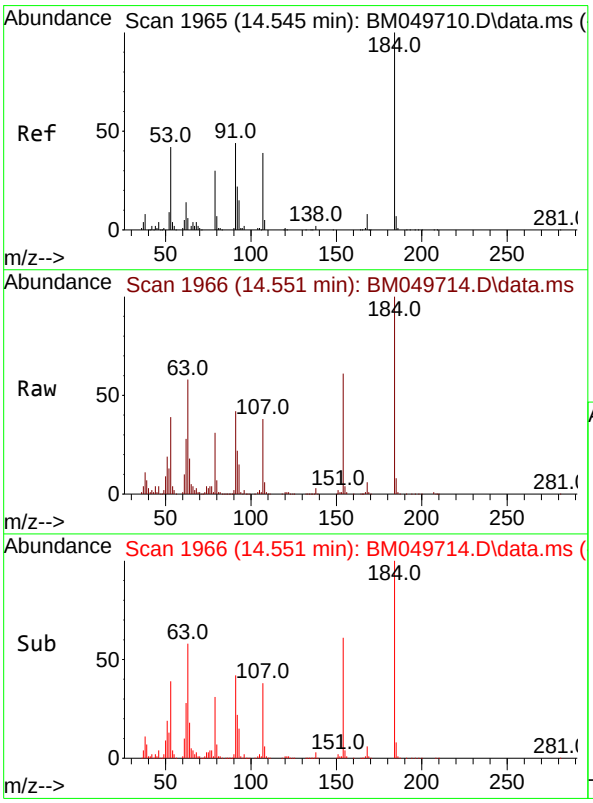
Ion	Ratio	Lower	Upper
138	100		
108	9.2	7.5	11.3
92	106.6	88.0	132.0



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

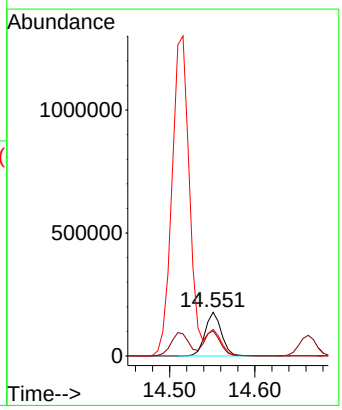
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

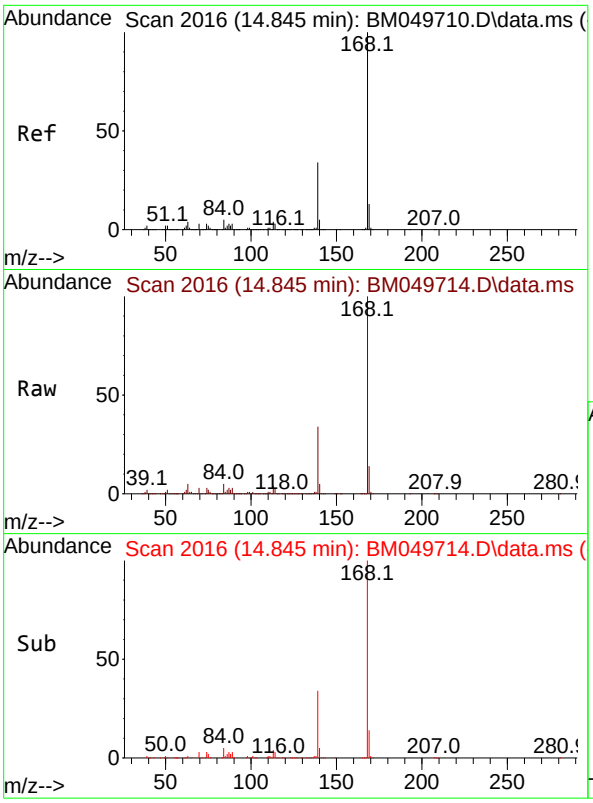


#54
2,4-Dinitrophenol
Concen: 40.645 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:184 Resp: 235915

Ion	Ratio	Lower	Upper
184	100		
63	58.0	47.2	70.8
154	60.9	49.9	74.9

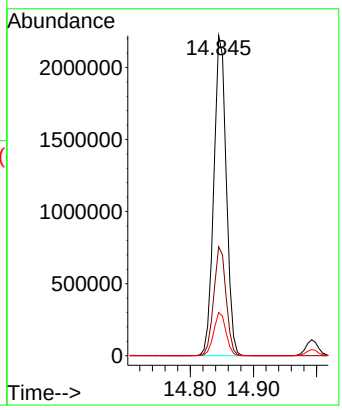




#55
Dibenzofuran
Concen: 38.878 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:168 Resp: 303690

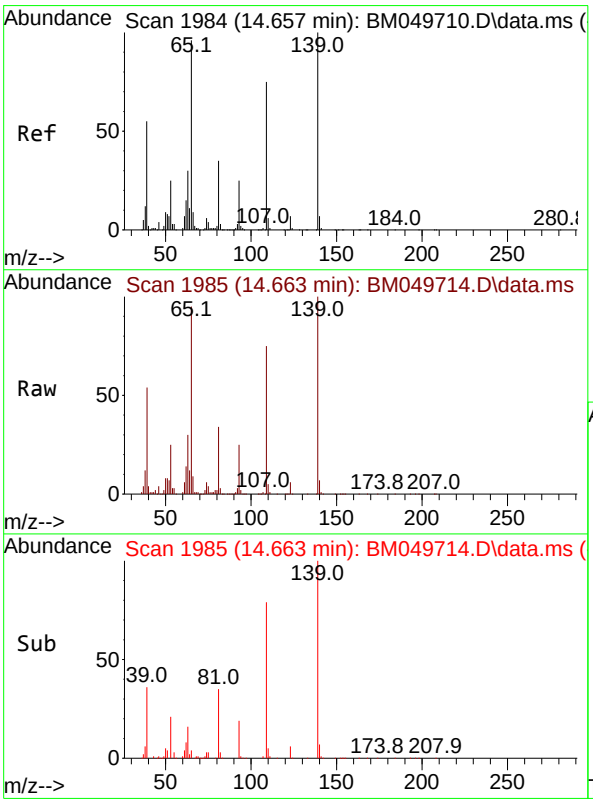
Ion	Ratio	Lower	Upper
168	100		
139	34.1	27.4	41.0
169	13.5	10.7	16.1



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

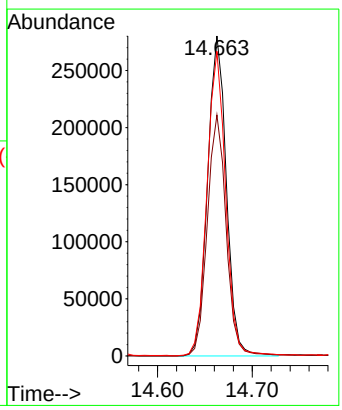
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

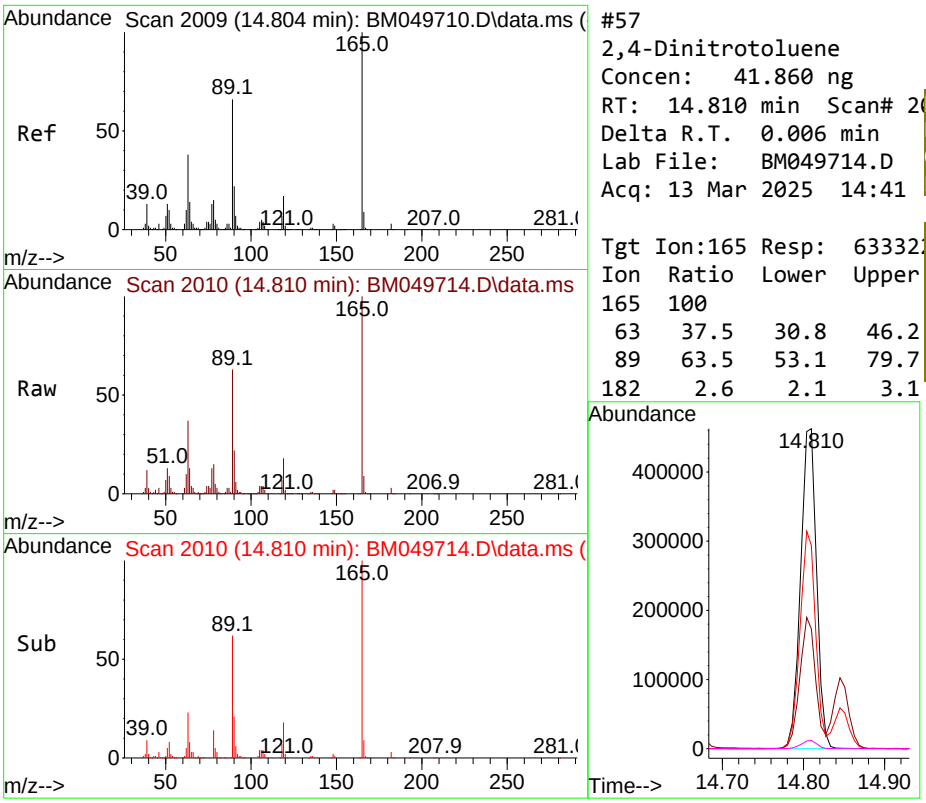


#56
4-Nitrophenol
Concen: 39.814 ng
RT: 14.663 min Scan# 1985
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:139 Resp: 387757

Ion	Ratio	Lower	Upper
139	100		
109	75.3	54.7	94.7
65	95.2	76.2	116.2





#57
2,4-Dinitrotoluene
Concen: 41.860 ng
RT: 14.810 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

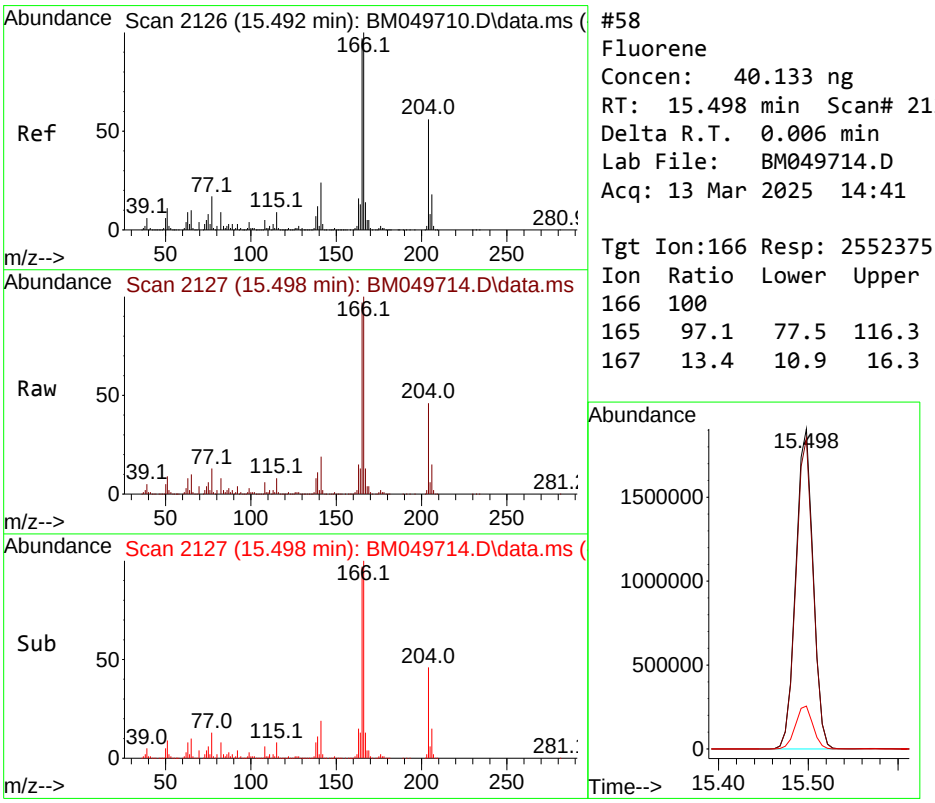
Tgt Ion:165 Resp: 63332

Ion	Ratio	Lower	Upper
165	100		
63	37.5	30.8	46.2
89	63.5	53.1	79.7
182	2.6	2.1	3.1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

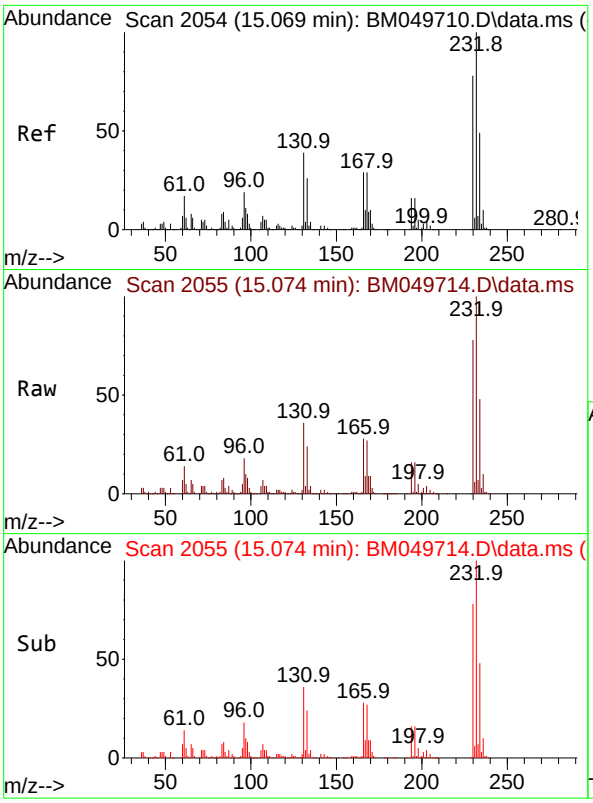
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#58
Fluorene
Concen: 40.133 ng
RT: 15.498 min Scan# 2127
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:166 Resp: 2552375

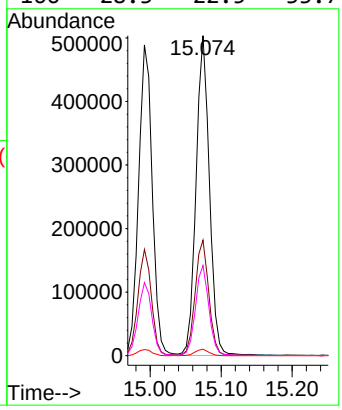
Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.5	116.3
167	13.4	10.9	16.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 41.187 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:232 Resp: 65965

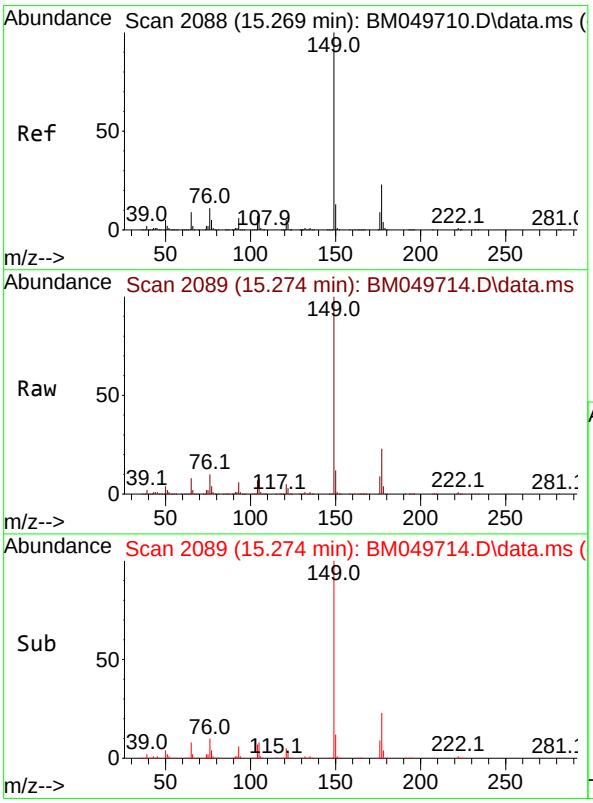
Ion	Ratio	Lower	Upper
232	100		
131	37.1	30.0	45.0
130	2.1	1.6	2.4
166	28.3	22.5	33.7



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

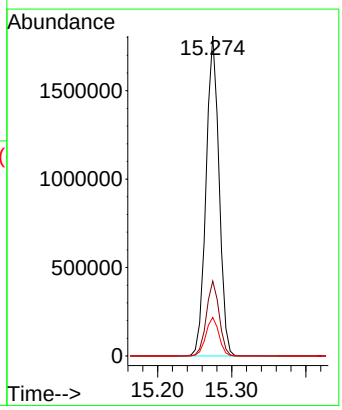
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

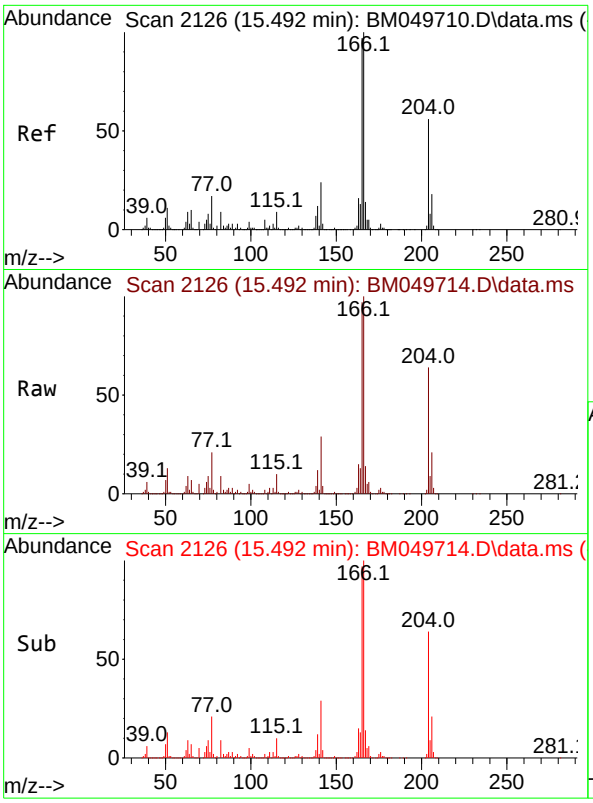


#60
Diethylphthalate
Concen: 39.848 ng
RT: 15.274 min Scan# 2089
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:149 Resp: 2202259

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.2	27.2
150	12.0	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 39.997 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

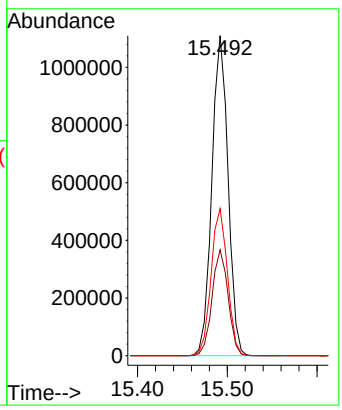
Instrument :
BNA_M
ClientSampleId :
ICVBM031325

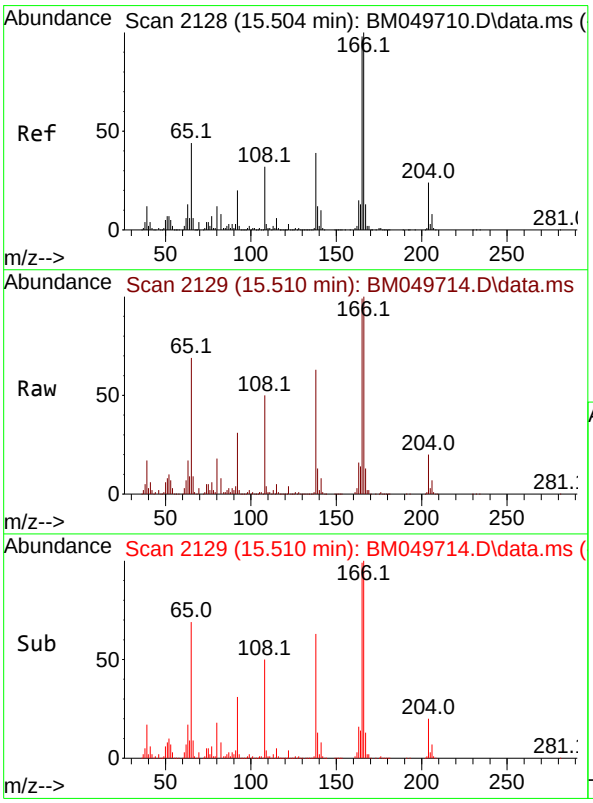
Tgt Ion:204 Resp: 138903

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.2	37.8
141	45.9	34.5	51.7

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

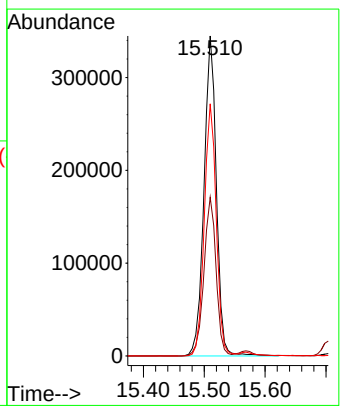


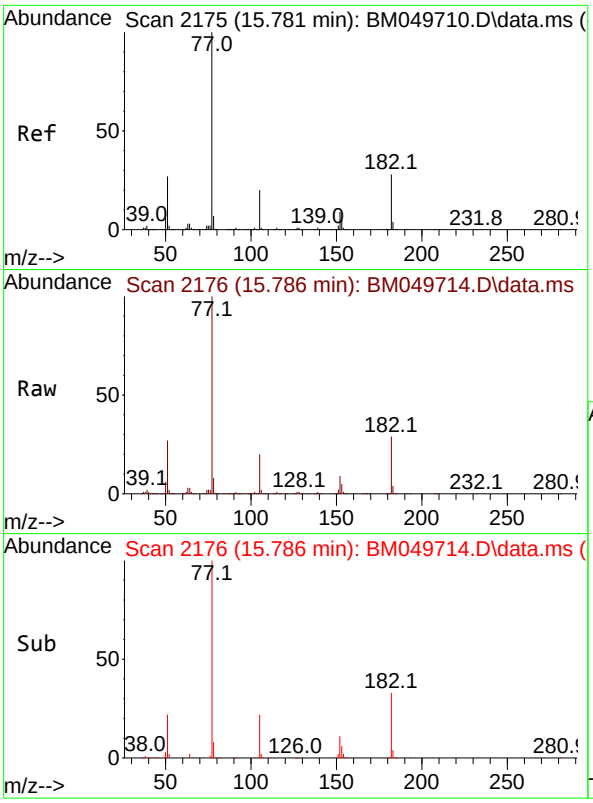


#62
4-Nitroaniline
Concen: 37.552 ng
RT: 15.510 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:138 Resp: 488092

Ion	Ratio	Lower	Upper
138	100		
92	49.6	29.8	69.8
108	78.8	61.3	101.3

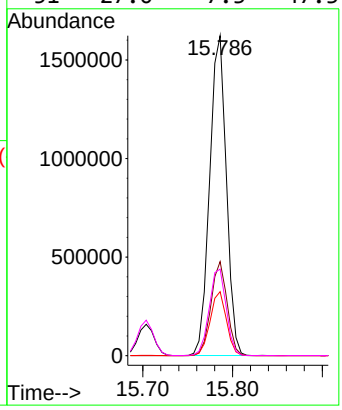




#63
Azobenzene
Concen: 39.634 ng
RT: 15.786 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion: 77 Resp: 209222

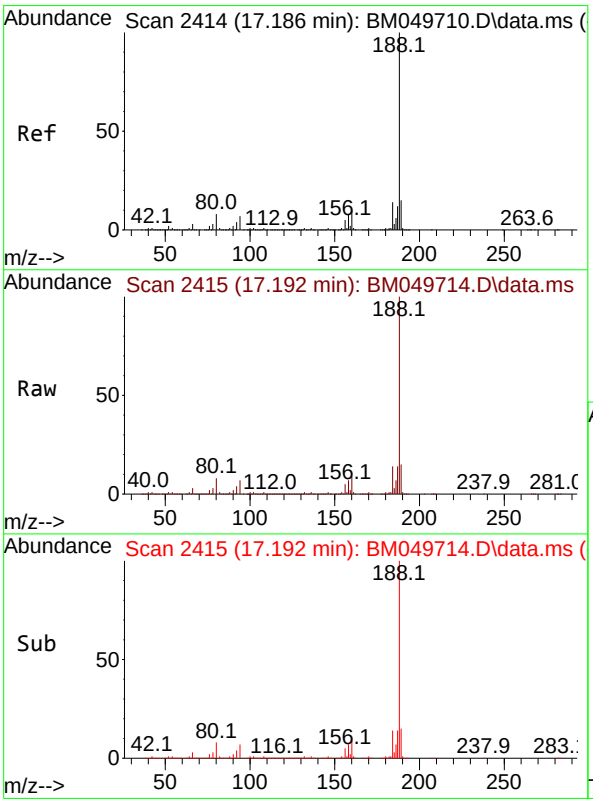
Ion	Ratio	Lower	Upper
77	100		
182	29.4	8.0	48.0
105	20.0	0.0	40.0
51	27.0	7.3	47.3



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

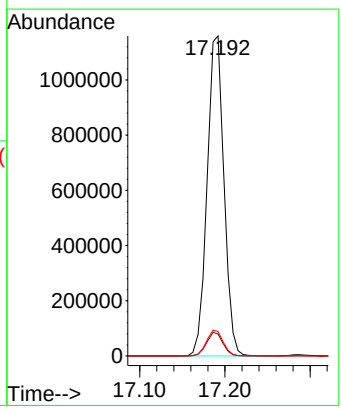
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

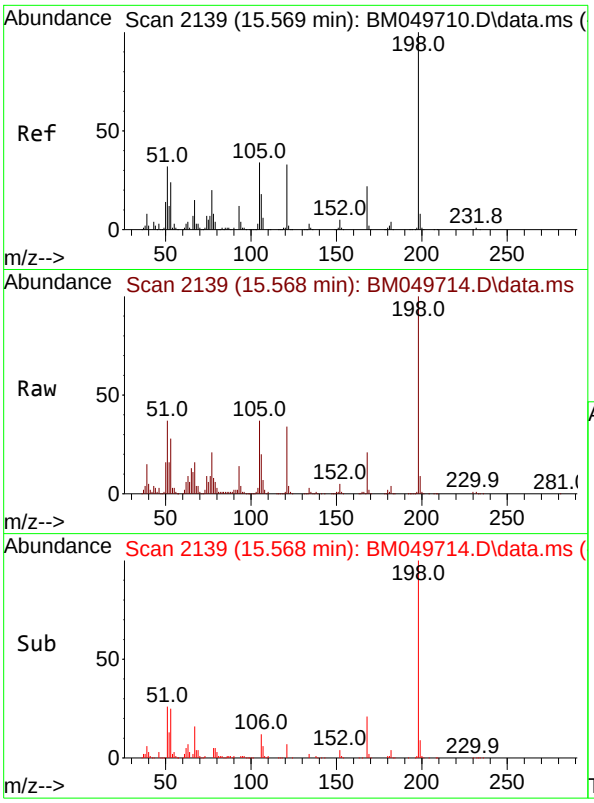


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2415
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:188 Resp: 1592582

Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.8	8.6
80	7.7	6.3	9.5

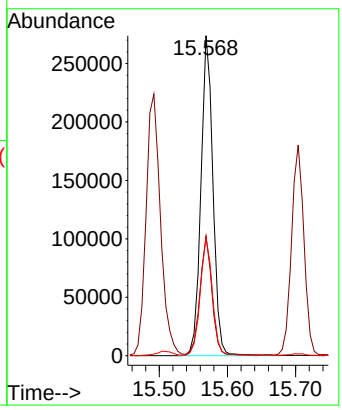




#65
4,6-Dinitro-2-methylphenol
Concen: 40.710 ng
RT: 15.568 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:198 Resp: 33567

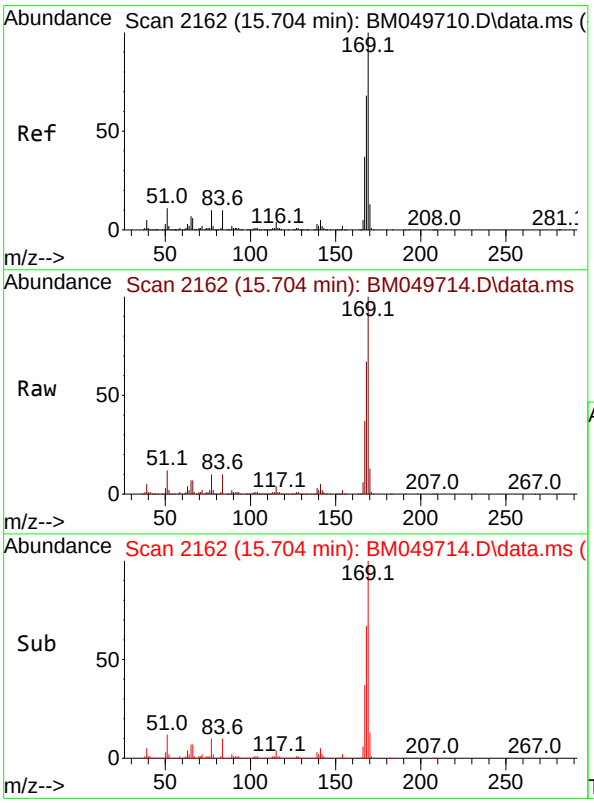
Ion	Ratio	Lower	Upper
198	100		
51	37.3	13.8	53.8
105	36.9	14.0	54.0



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

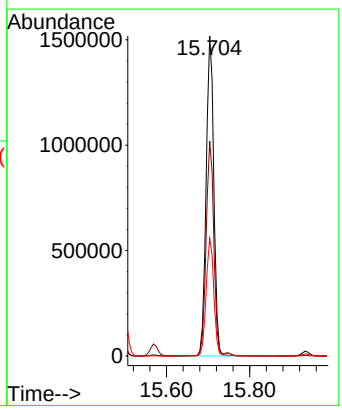
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

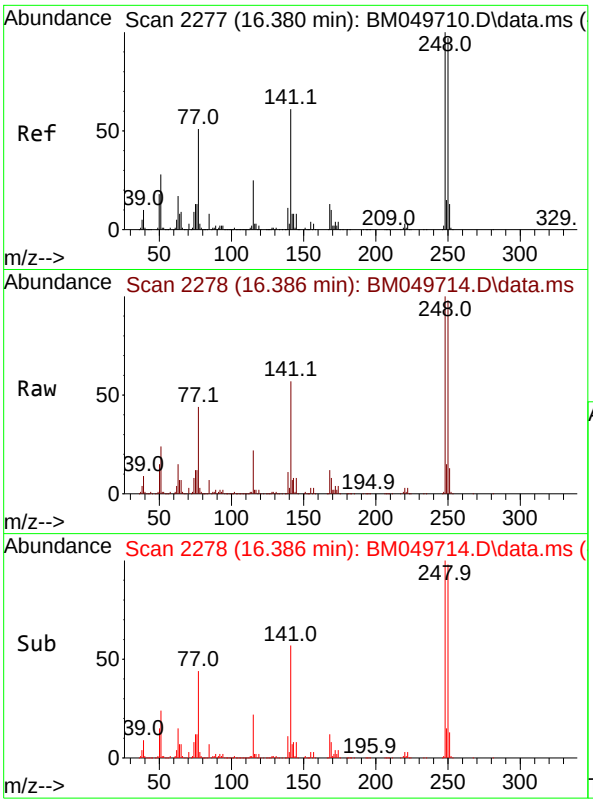


#66
n-Nitrosodiphenylamine
Concen: 40.117 ng
RT: 15.704 min Scan# 2162
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:169 Resp: 1935702

Ion	Ratio	Lower	Upper
169	100		
168	67.1	54.8	82.2
167	36.7	29.9	44.9

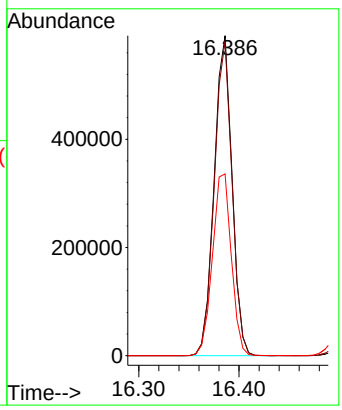




#67
4-Bromophenyl-phenylether
Concen: 39.881 ng
RT: 16.386 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:248 Resp: 73330

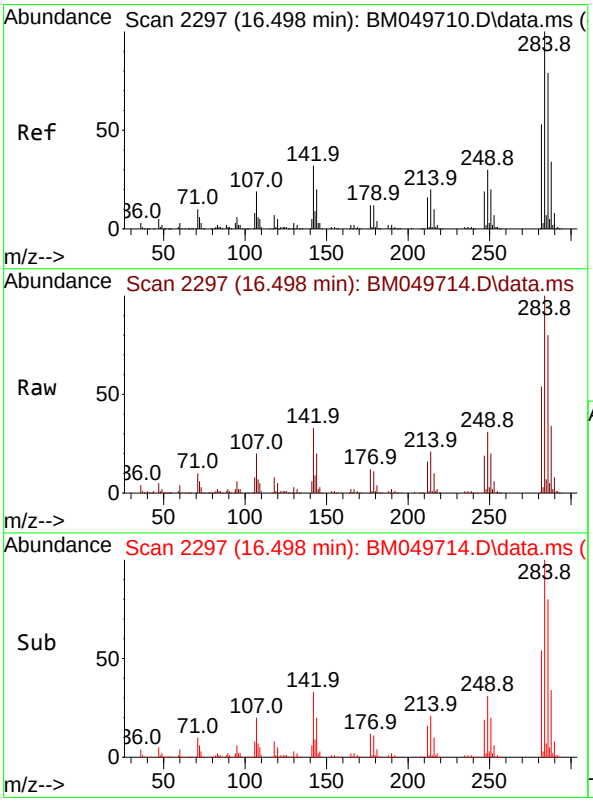
Ion	Ratio	Lower	Upper
248	100		
250	98.2	77.9	116.9
141	56.8	48.6	73.0



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

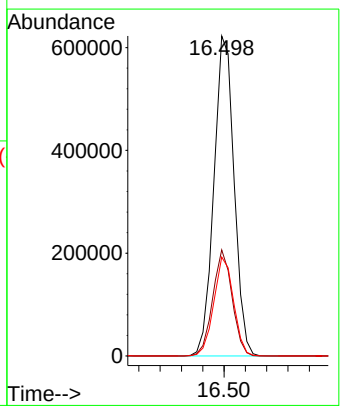
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

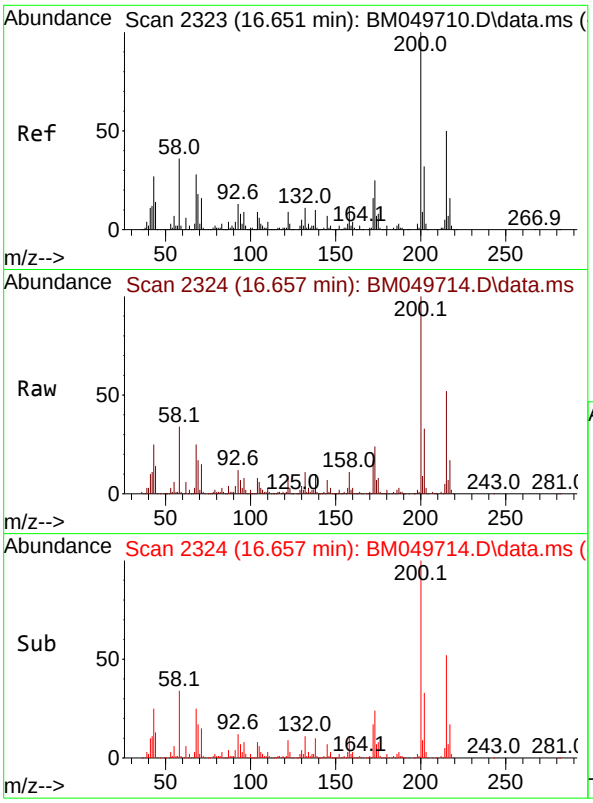


#68
Hexachlorobenzene
Concen: 39.511 ng
RT: 16.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:284 Resp: 816963

Ion	Ratio	Lower	Upper
284	100		
142	33.1	25.5	38.3
249	30.9	24.2	36.2

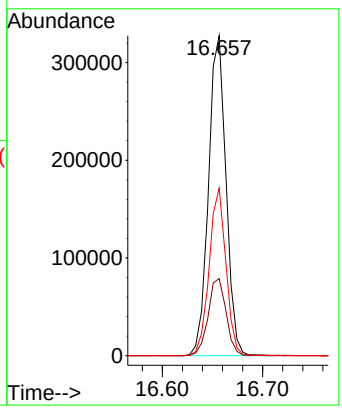




#69
Atrazine
Concen: 37.400 ng
RT: 16.657 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:200 Resp: 39771

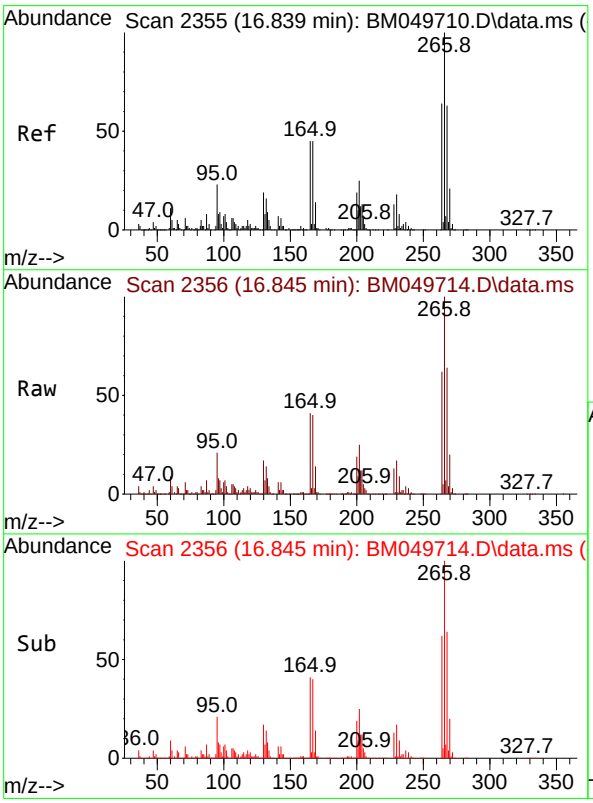
Ion	Ratio	Lower	Upper
200	100		
173	24.1	5.4	45.4
215	52.3	29.8	69.8



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

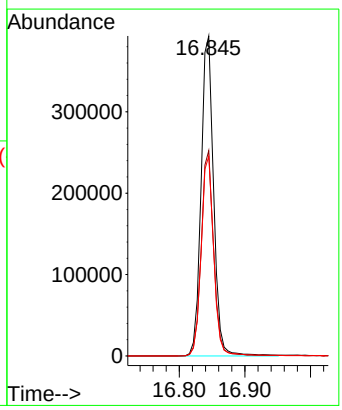
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

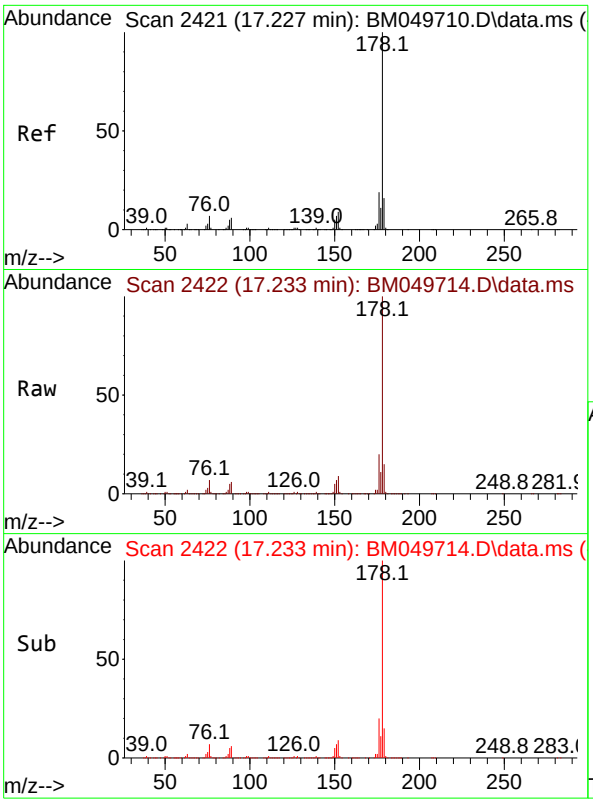


#70
Pentachlorophenol
Concen: 40.280 ng
RT: 16.845 min Scan# 2356
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:266 Resp: 523396

Ion	Ratio	Lower	Upper
266	100		
268	64.1	50.2	75.2
264	62.4	51.3	76.9

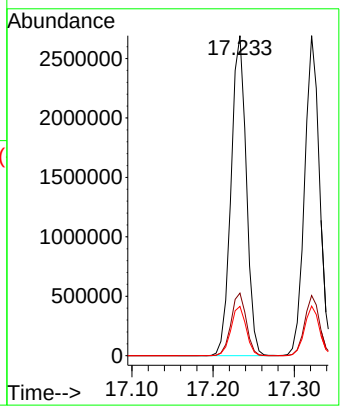




#71
Phenanthrene
Concen: 39.603 ng
RT: 17.233 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:178 Resp: 350216

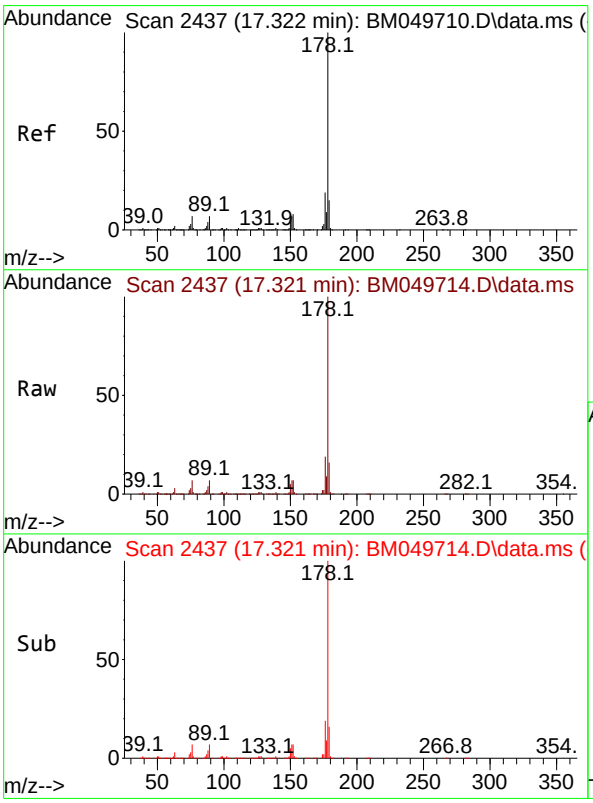
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.4	12.5	18.7



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

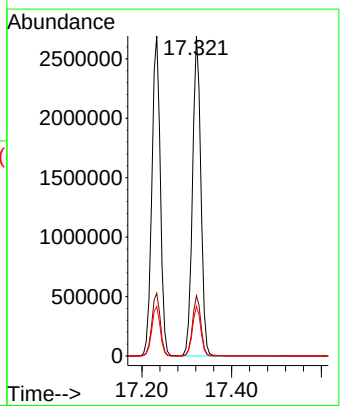
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

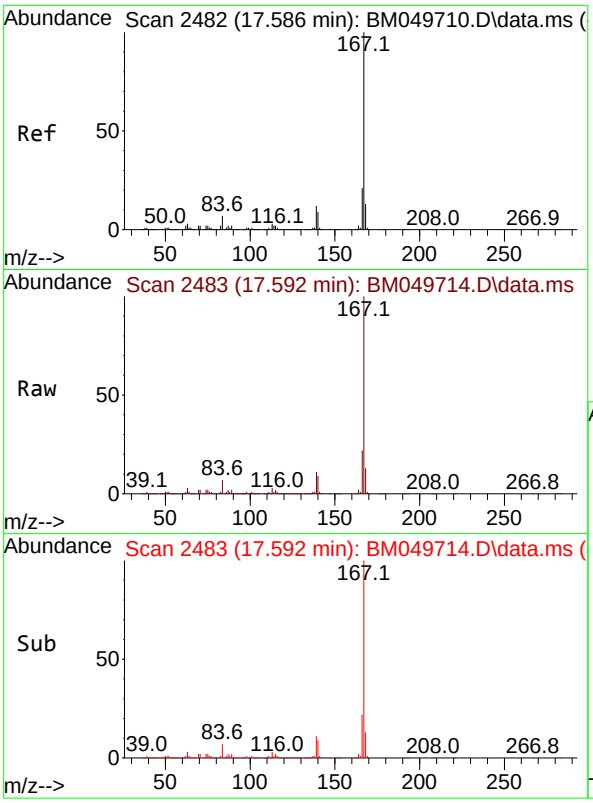


#72
Anthracene
Concen: 40.434 ng
RT: 17.321 min Scan# 2437
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:178 Resp: 3462856

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.5	12.4	18.6

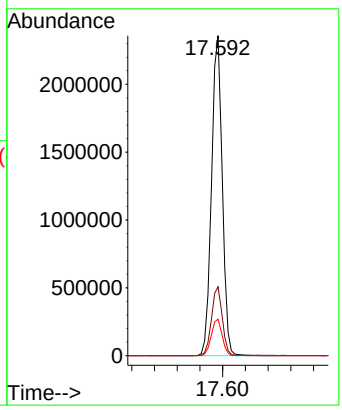




#73
Carbazole
Concen: 39.814 ng
RT: 17.592 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:167 Resp: 308805

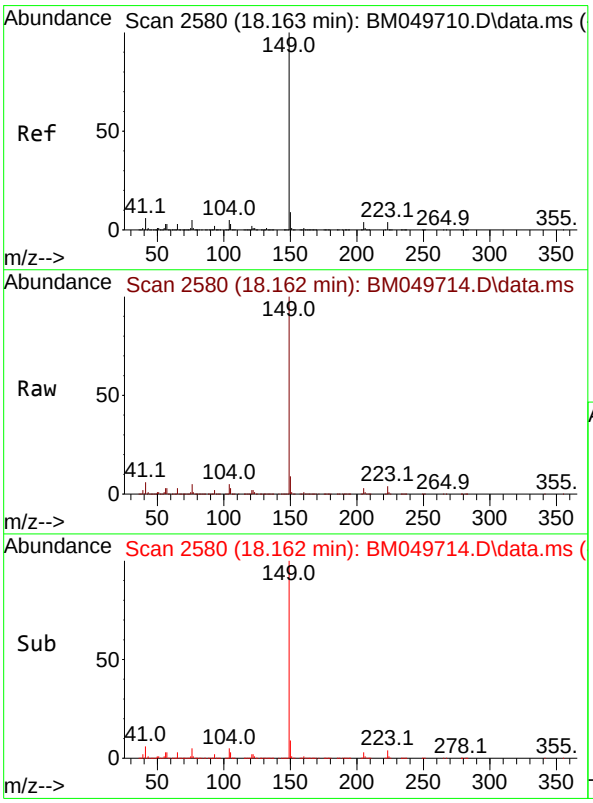
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	11.4	9.4	14.2



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

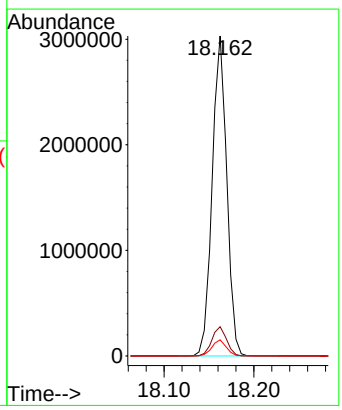
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

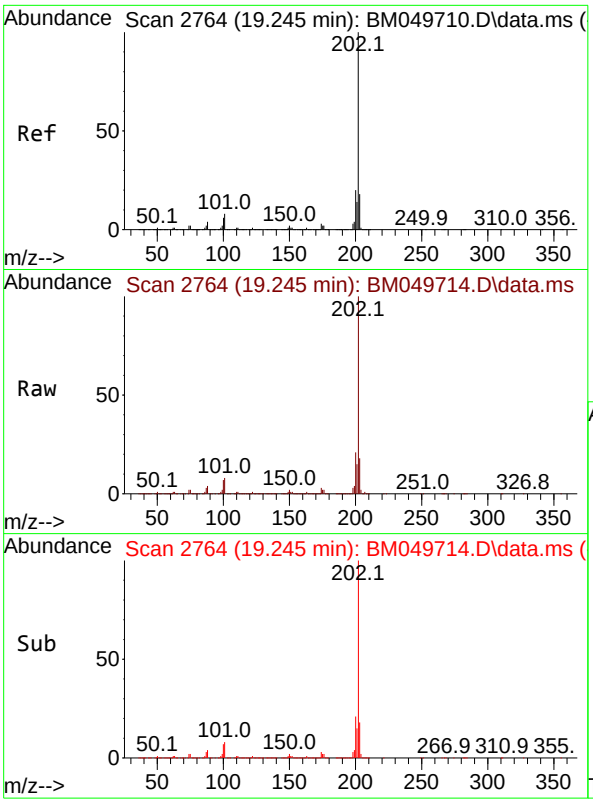


#74
Di-n-butylphthalate
Concen: 40.175 ng
RT: 18.162 min Scan# 2580
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:149 Resp: 3415276

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.2	10.8
104	5.1	3.9	5.9

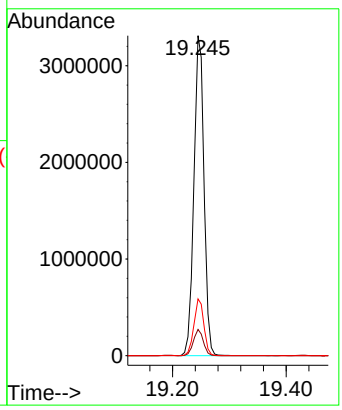




#75
Fluoranthene
Concen: 40.255 ng
RT: 19.245 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:202 Resp: 409845

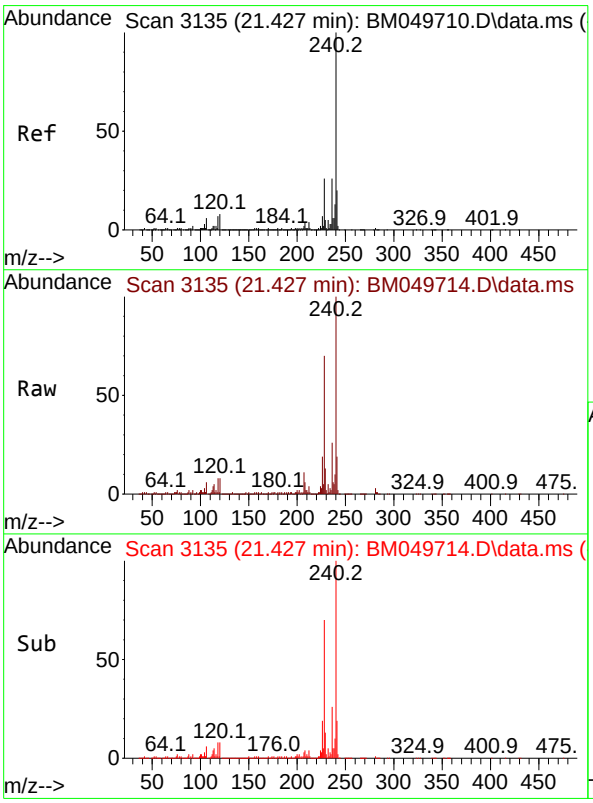
Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	27.8
203	17.8	0.0	37.6



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

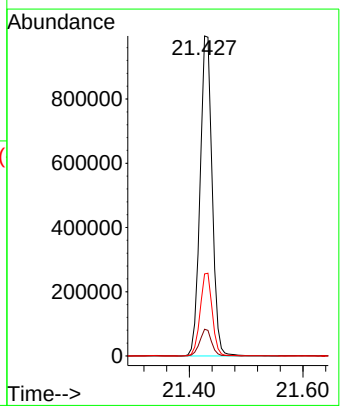
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

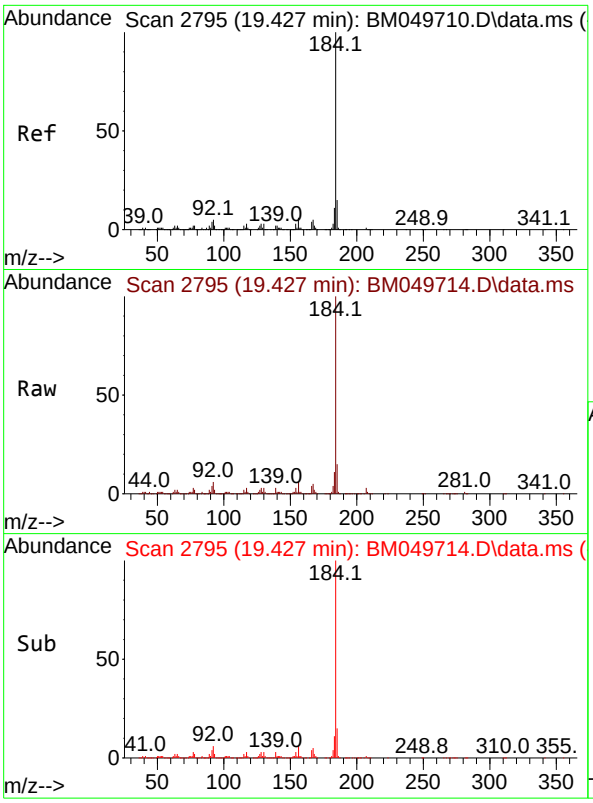


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:240 Resp: 1466147

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.5	9.7
236	25.7	20.7	31.1

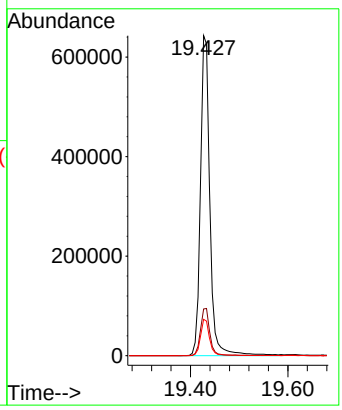




#77
Benzidine
Concen: 48.932 ng
RT: 19.427 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:184 Resp: 86190

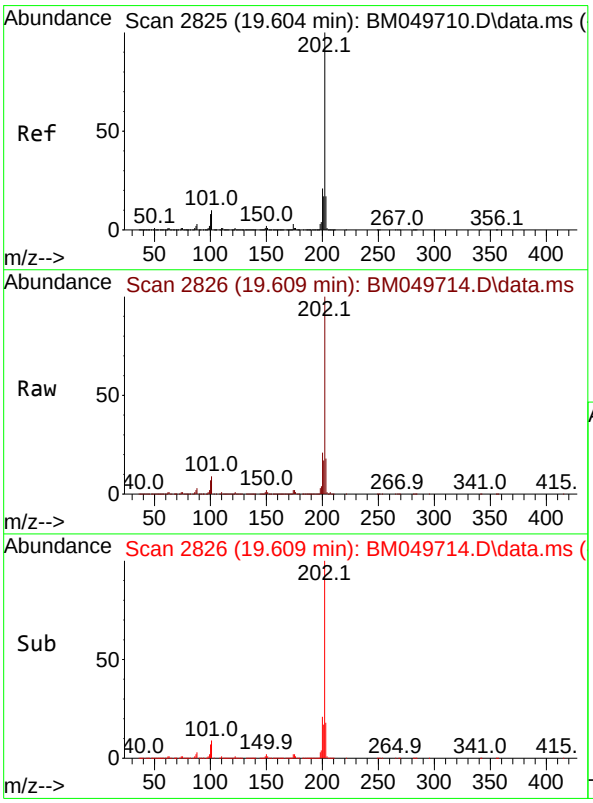
Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.7	17.5
183	11.3	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

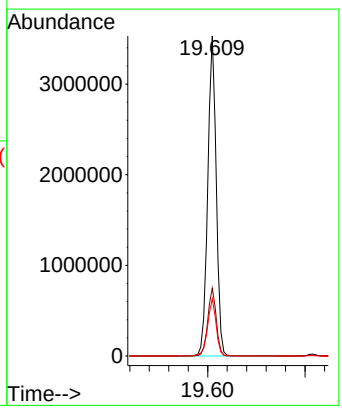
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

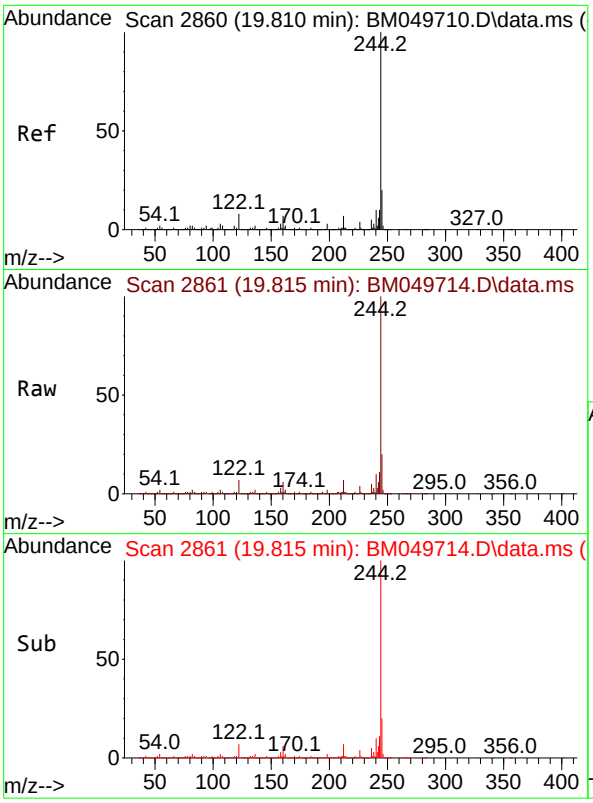


#78
Pyrene
Concen: 41.286 ng
RT: 19.609 min Scan# 2826
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:202 Resp: 4229052

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.8	14.0	21.0

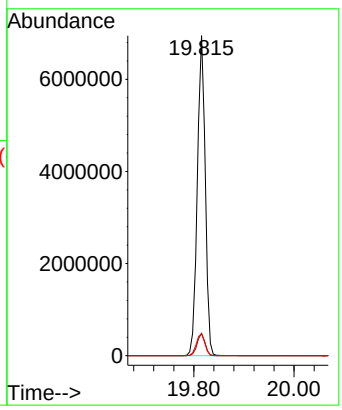




#79
Terphenyl-d14
Concen: 87.079 ng
RT: 19.815 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:244 Resp: 757631

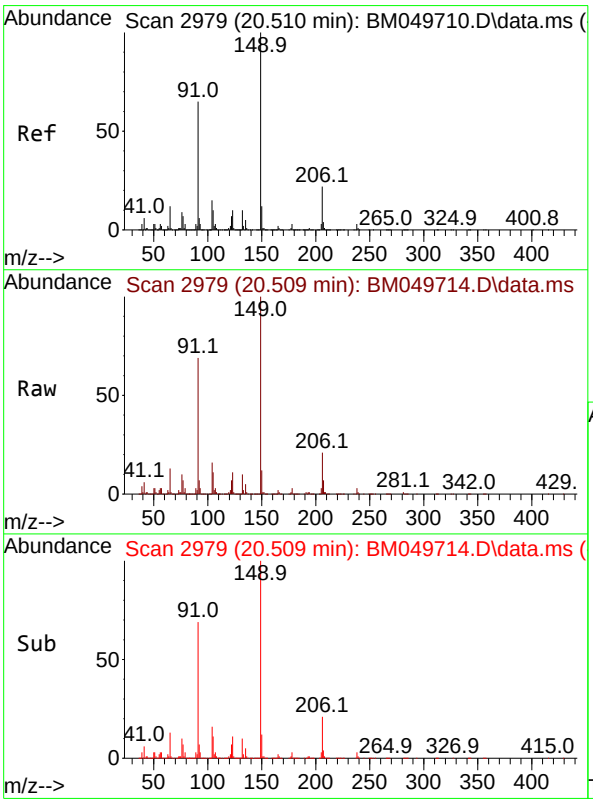
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	6.9	6.0	9.0



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

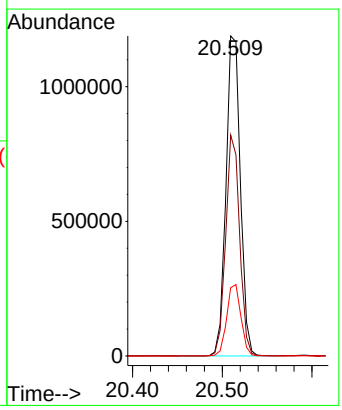
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

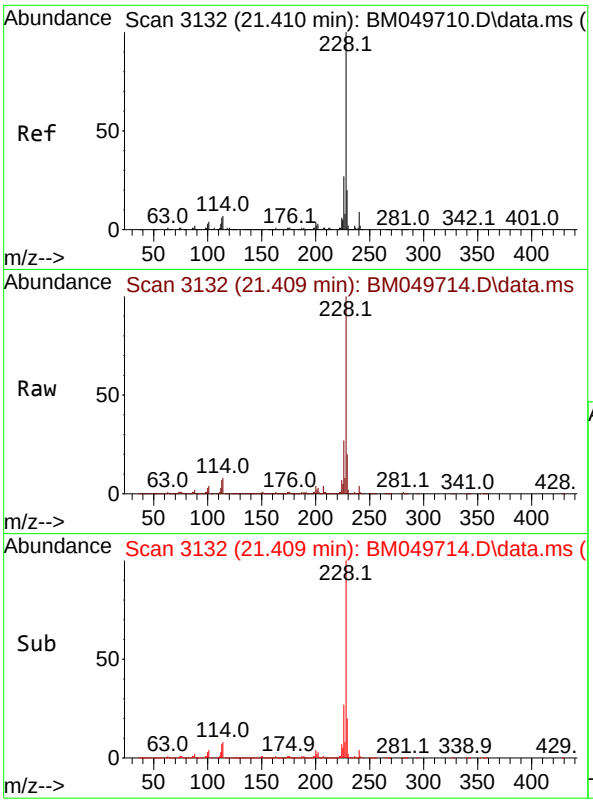


#80
Butylbenzylphthalate
Concen: 41.591 ng
RT: 20.509 min Scan# 2979
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:149 Resp: 1322122

Ion	Ratio	Lower	Upper
149	100		
91	69.0	52.2	78.4
206	21.3	17.6	26.4

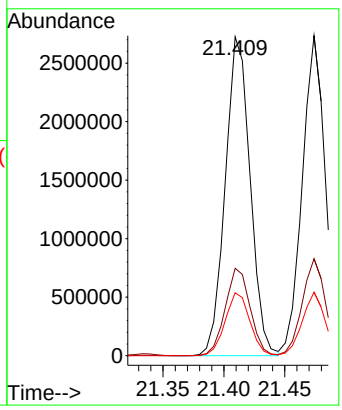




#81
Benzo(a)anthracene
Concen: 39.638 ng
RT: 21.409 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:228 Resp: 388169

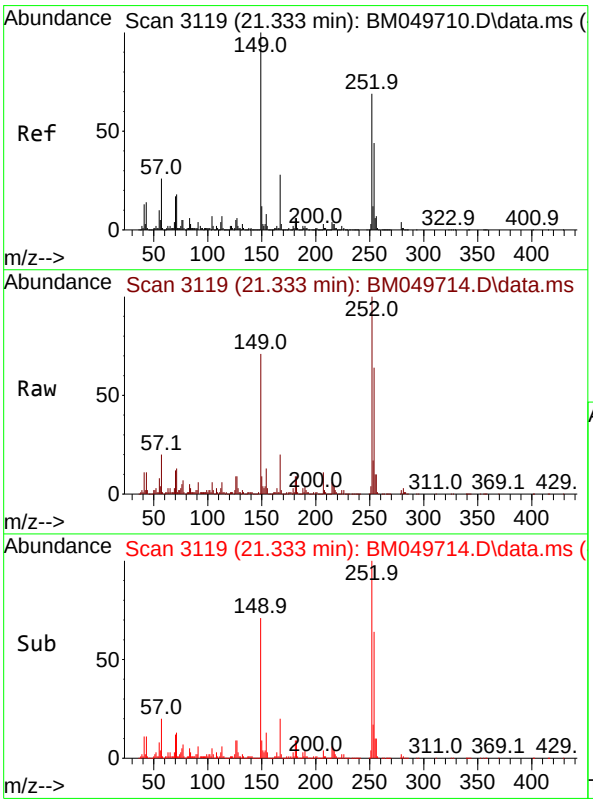
Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.0	33.0
229	19.7	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations APPROVED

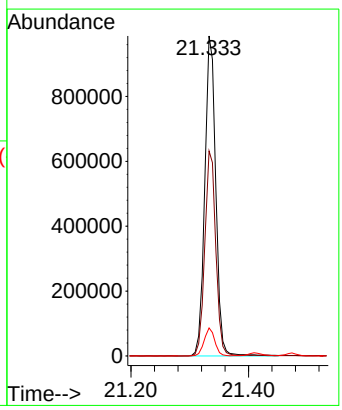
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

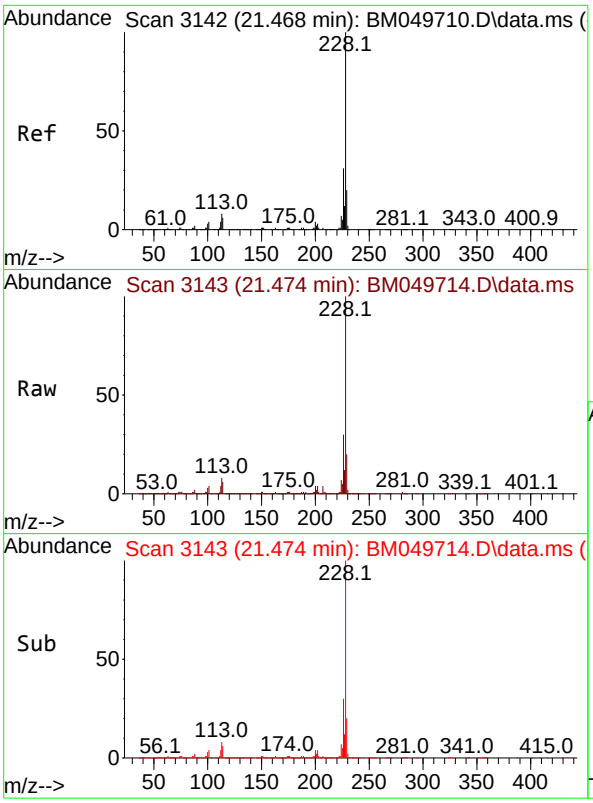


#82
3,3'-Dichlorobenzidine
Concen: 40.108 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:252 Resp: 1278791

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.0	76.4
126	8.7	6.3	9.5

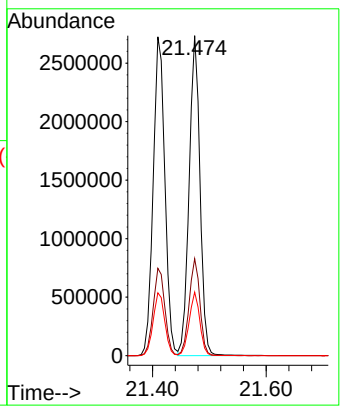




#83
Chrysene
Concen: 39.108 ng
RT: 21.474 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:228 Resp: 363041

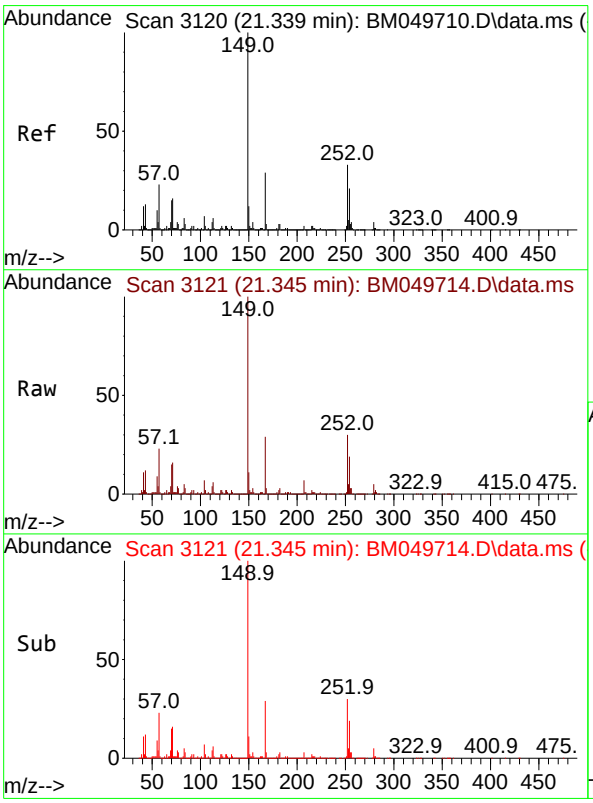
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	19.9	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

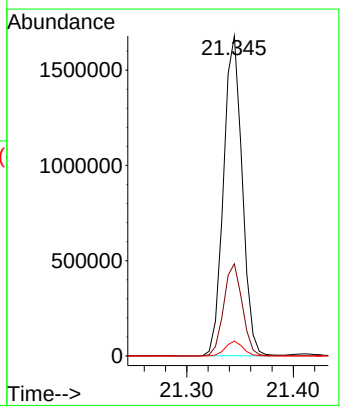
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

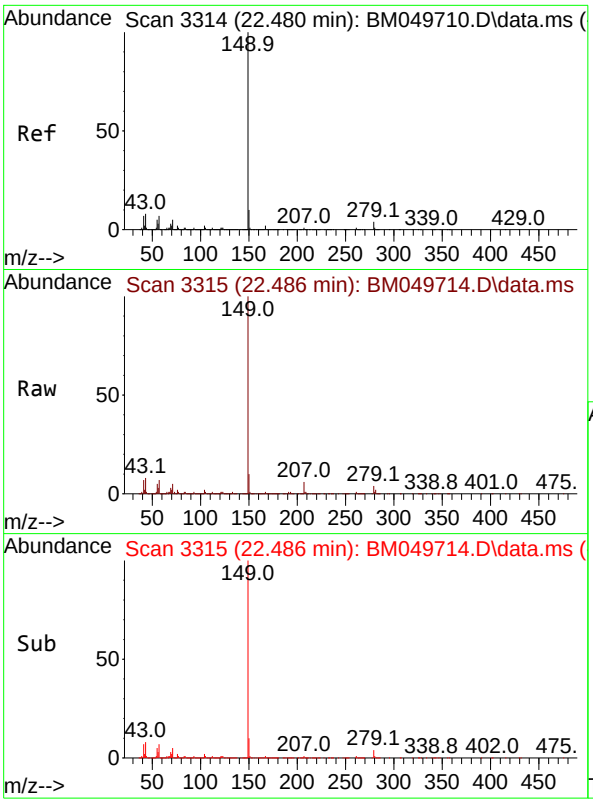


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.168 ng
RT: 21.345 min Scan# 3121
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:149 Resp: 2039556

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.9	34.3
279	4.6	3.5	5.3

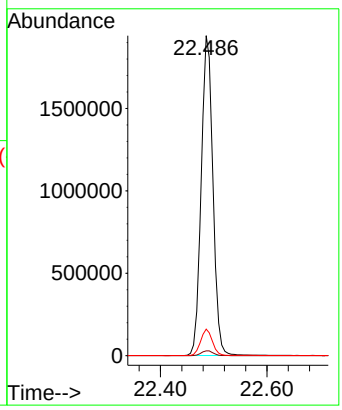




#85
Di-n-octyl phthalate
Concen: 38.353 ng
RT: 22.486 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:149 Resp: 295324

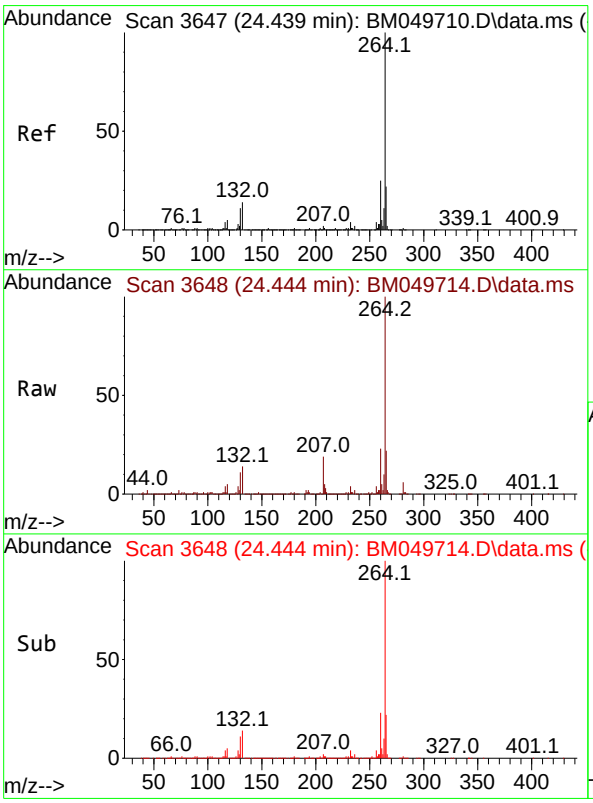
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.8	10.2



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

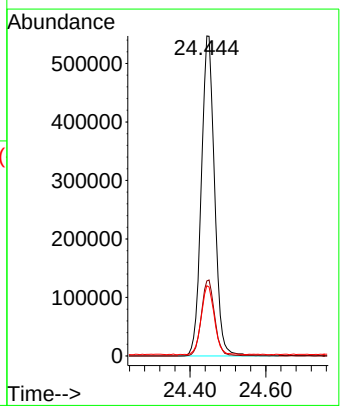
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

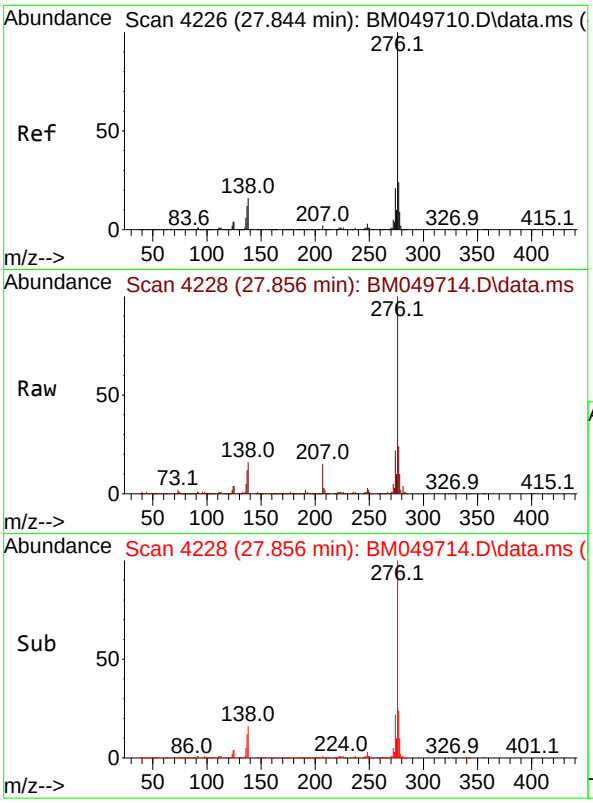


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.444 min Scan# 3648
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:264 Resp: 1326527

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.6	29.4
265	22.0	18.2	27.2

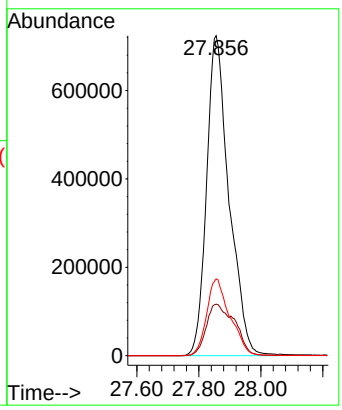




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.154 ng
RT: 27.856 min Scan# 4
Delta R.T. 0.011 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:276 Resp: 364285

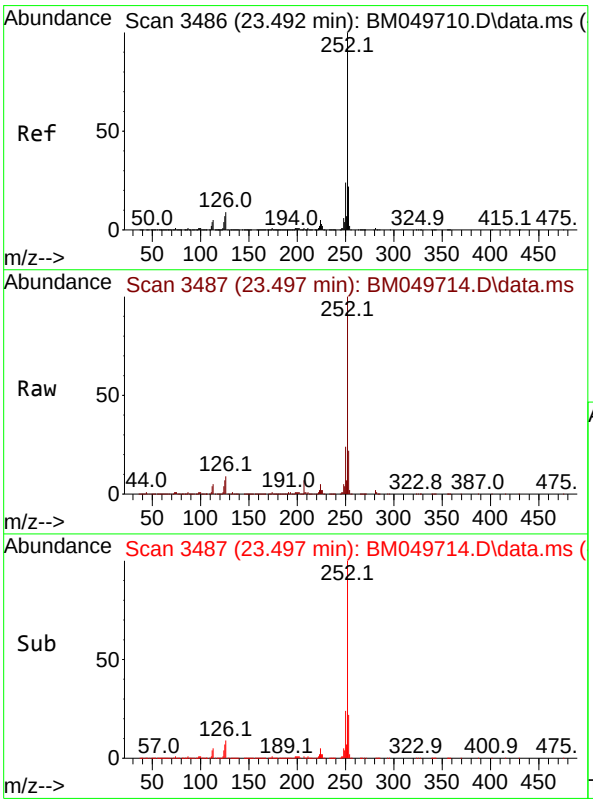
Ion	Ratio	Lower	Upper
276	100		
138	20.4	16.3	24.5
277	24.9	19.9	29.9



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

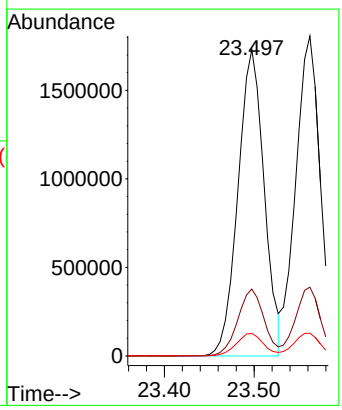
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

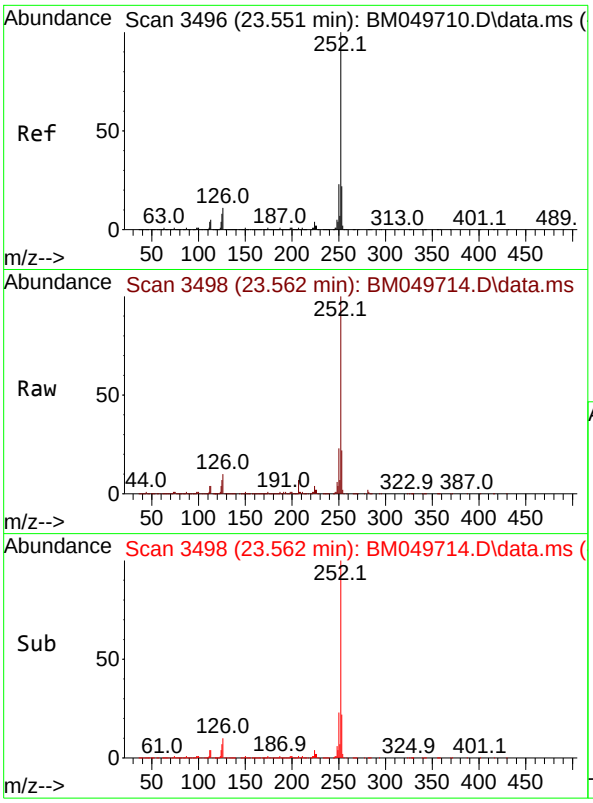


#88
Benzo(b)fluoranthene
Concen: 39.262 ng
RT: 23.497 min Scan# 3487
Delta R.T. 0.006 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:252 Resp: 3507924

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	7.4	5.9	8.9

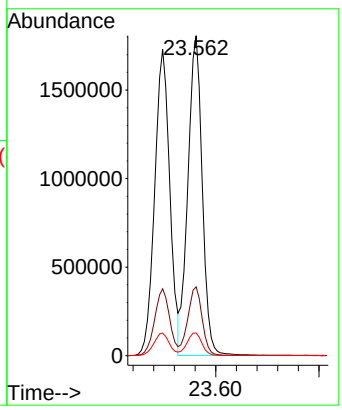




#89
Benzo(k)fluoranthene
Concen: 39.606 ng
RT: 23.562 min Scan# 34
Delta R.T. 0.011 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:252 Resp: 348201

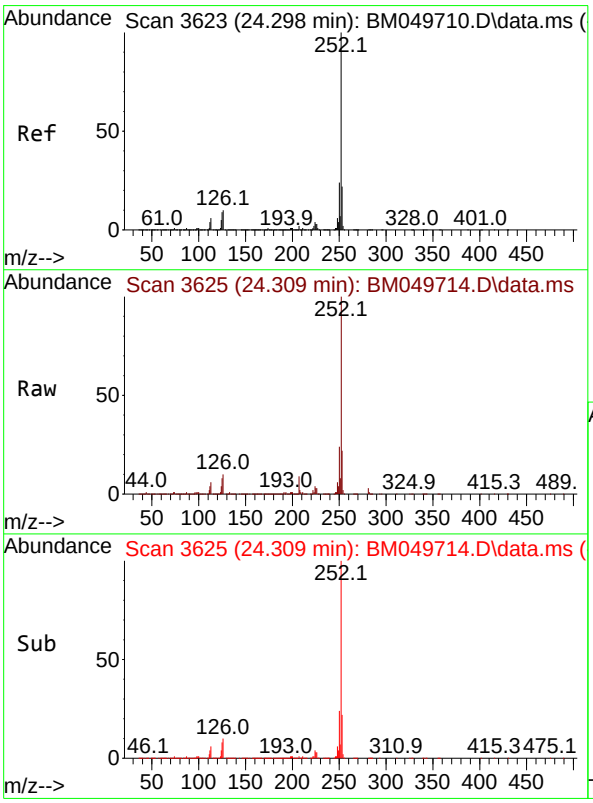
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	7.1	6.2	9.2



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

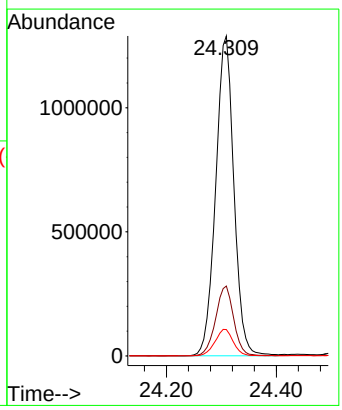
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

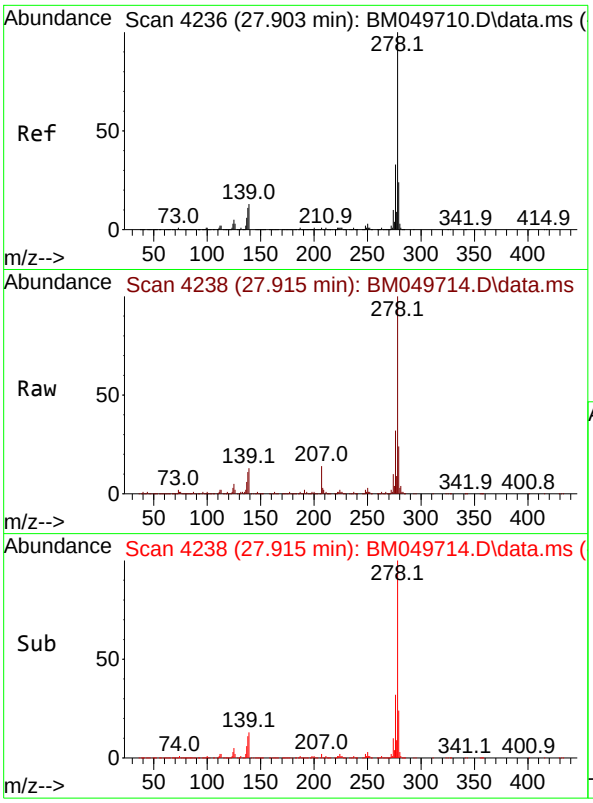


#90
Benzo(a)pyrene
Concen: 39.477 ng
RT: 24.309 min Scan# 3625
Delta R.T. 0.011 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:252 Resp: 2962652

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	8.3	7.0	10.6

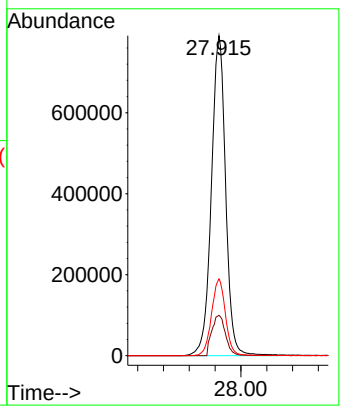




#91
Dibenzo(a,h)anthracene
Concen: 38.090 ng
RT: 27.915 min Scan# 4
Delta R.T. 0.011 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:278 Resp: 302997

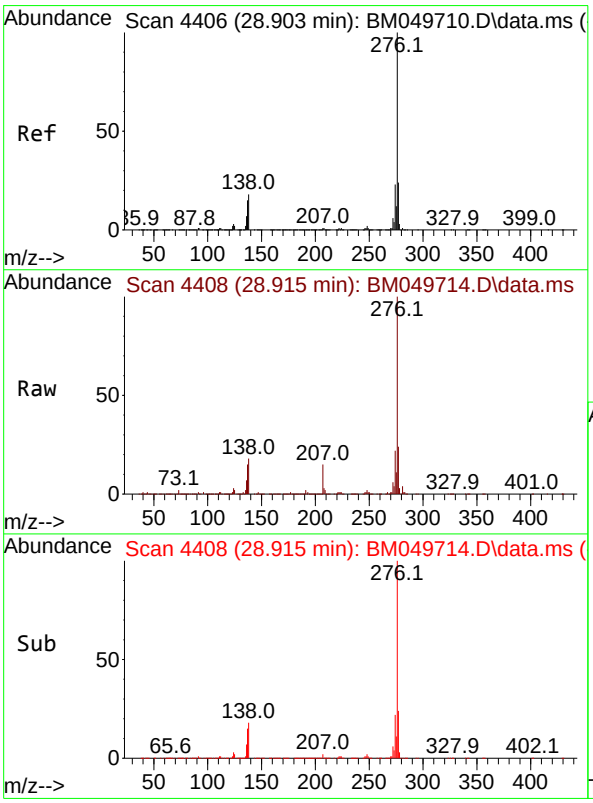
Ion	Ratio	Lower	Upper
278	100		
139	12.6	10.1	15.1
279	24.0	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Manual Integrations
APPROVED

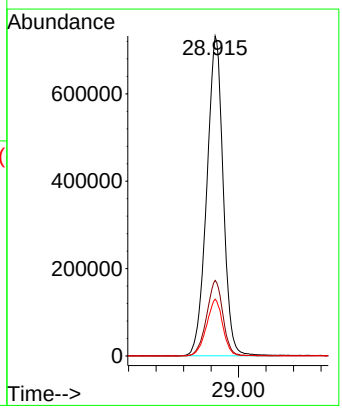
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#92
Benzo(g,h,i)perylene
Concen: 37.817 ng
RT: 28.915 min Scan# 4408
Delta R.T. 0.011 min
Lab File: BM049714.D
Acq: 13 Mar 2025 14:41

Tgt Ion:276 Resp: 3030114

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	17.8	14.0	21.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	130	0.00
2		1,4-Dioxane	0.513	0.493	3.9	129	0.00
3		Pyridine	1.310	1.302	0.6	131	0.00
4		n-Nitrosodimethylamine	0.580	0.576	0.7	133	0.00
5	S	2-Fluorophenol	1.185	1.183	0.2	131	0.00
6		Aniline	1.246	1.295	-3.9	138	0.00
7	S	Phenol-d6	1.487	1.530	-2.9	136	0.00
8		2-Chlorophenol	1.174	1.163	0.9	132	0.00
9		Benzaldehyde	0.735	0.716	2.6	137	0.00
10	C	Phenol	1.442	1.458	-1.1	136	0.00
11		bis(2-Chloroethyl)ether	1.168	1.159	0.8	135	0.00
12		1,3-Dichlorobenzene	1.426	1.377	3.4	131	0.00
13	C	1,4-Dichlorobenzene	1.439	1.390	3.4	130	0.00
14		1,2-Dichlorobenzene	1.368	1.327	3.0	130	0.00
15		Benzyl Alcohol	0.933	0.979	-4.9	137	0.00
16		2,2'-oxybis(1-Chloropropane	1.373	1.329	3.2	131	0.00
17		2-Methylphenol	0.856	0.872	-1.9	134	0.00
18		Hexachloroethane	0.508	0.481	5.3	125	0.00
19	P	n-Nitroso-di-n-propylamine	0.863	0.898	-4.1	135	0.00
20		3+4-Methylphenols	1.148	1.176	-2.4	135	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	132	0.00
22		Acetophenone	0.516	0.509	1.4	133	0.00
23	S	Nitrobenzene-d5	0.390	0.388	0.5	133	0.00
24		Nitrobenzene	0.367	0.364	0.8	134	0.00
25		Isophorone	0.598	0.608	-1.7	136	0.00
26	C	2-Nitrophenol	0.156	0.165	-5.8	138	0.00
27		2,4-Dimethylphenol	0.199	0.203	-2.0	137	0.00
28		bis(2-Chloroethoxy)methane	0.421	0.412	2.1	134	0.00
29	C	2,4-Dichlorophenol	0.324	0.327	-0.9	134	0.00
30		1,2,4-Trichlorobenzene	0.406	0.386	4.9	131	0.00
31		Naphthalene	1.028	1.010	1.8	134	0.00
32		Benzoic acid	0.169	0.182	-7.7	146	0.02
33		4-Chloroaniline	0.351	0.354	-0.9	134	0.00
34	C	Hexachlorobutadiene	0.250	0.239	4.4	130	0.00
35		Caprolactam	0.075	0.081	-8.0	137	0.00
36	C	4-Chloro-3-methylphenol	0.278	0.292	-5.0	138	0.00
37		2-Methylnaphthalene	0.719	0.718	0.1	135	0.00
38		1-Methylnaphthalene	0.694	0.695	-0.1	136	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	137	0.00
40		1,2,4,5-Tetrachlorobenzene	0.735	0.714	2.9	136	0.00
41	P	Hexachlorocyclopentadiene	0.272	0.268	1.5	133	0.00
42	S	2,4,6-Tribromophenol	0.234	0.257	-9.8	140	0.00
43	C	2,4,6-Trichlorophenol	0.411	0.423	-2.9	138	0.00
44		2,4,5-Trichlorophenol	0.449	0.459	-2.2	137	0.00
45	S	2-Fluorobiphenyl	1.597	1.577	1.3	136	0.00
46		1,1'-Biphenyl	1.541	1.497	2.9	134	0.00
47		2-Chloronaphthalene	1.200	1.158	3.5	134	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.269	0.283	-5.2	138	0.00
49		Acenaphthylene	1.677	1.665	0.7	136	0.00
50		Dimethylphthalate	1.377	1.353	1.7	135	0.00
51		2,6-Dinitrotoluene	0.276	0.281	-1.8	137	0.00
52	C	Acenaphthene	1.100	1.079	1.9	134	0.00
53		3-Nitroaniline	0.263	0.274	-4.2	137	0.00
54	P	2,4-Dinitrophenol	0.134	0.138	-3.0	143	0.00
55		Dibenzofuran	1.833	1.782	2.8	136	0.00
56	P	4-Nitrophenol	0.229	0.227	0.9	134	0.00
57		2,4-Dinitrotoluene	0.355	0.372	-4.8	137	0.00
58		Fluorene	1.492	1.497	-0.3	137	0.00
59		2,3,4,6-Tetrachlorophenol	0.376	0.387	-2.9	137	0.00
60		Diethylphthalate	1.297	1.292	0.4	136	0.00
61		4-Chlorophenyl-phenylether	0.815	0.815	0.0	136	0.00
62		4-Nitroaniline	0.274	0.286	-4.4	131	0.00
63		Azobenzene	1.239	1.227	1.0	135	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	135	0.00
65		4,6-Dinitro-2-methylphenol	0.102	0.105	-2.9	143	0.00
66	c	n-Nitrosodiphenylamine	0.606	0.608	-0.3	137	0.00
67		4-Bromophenyl-phenylether	0.231	0.230	0.4	138	0.00
68		Hexachlorobenzene	0.260	0.256	1.5	138	0.00
69		Atrazine	0.134	0.125	6.7	132	0.00
70	C	Pentachlorophenol	0.163	0.164	-0.6	138	0.00
71		Phenanthrene	1.111	1.100	1.0	136	0.00
72		Anthracene	1.076	1.087	-1.0	138	0.00
73		Carbazole	0.974	0.970	0.4	132	0.00
74		Di-n-butylphthalate	1.068	1.072	-0.4	134	0.00
75	C	Fluoranthene	1.279	1.287	-0.6	134	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	122	0.00
77		Benzidine	0.240	0.294	-22.5	171#	0.00
78		Pyrene	1.397	1.442	-3.2	133	0.00
79	S	Terphenyl-d14	1.187	1.292	-8.8	131	0.00
80		Butylbenzylphthalate	0.434	0.451	-3.9	128	0.00
81		Benzo(a)anthracene	1.336	1.324	0.9	124	0.00
82		3,3'-Dichlorobenzidine	0.435	0.436	-0.2	130	0.00
83		Chrysene	1.266	1.238	2.2	122	0.00
84		Bis(2-ethylhexyl)phthalate	0.676	0.696	-3.0	126	0.00
85	c	Di-n-octyl phthalate	1.050	1.007	4.1	122	0.00
86	I	Perylene-d12	1.000	1.000	0.0	117	0.00
87		Indeno(1,2,3-cd)pyrene	1.440	1.373	4.7	112	0.01
88		Benzo(b)fluoranthene	1.347	1.322	1.9	116	0.00
89		Benzo(k)fluoranthene	1.325	1.312	1.0	119	0.01
90	C	Benzo(a)pyrene	1.131	1.117	1.2	116	0.01
91		Dibenzo(a,h)anthracene	1.199	1.142	4.8	112	0.01
92		Benzo(g,h,i)perylene	1.208	1.142	5.5	111	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	130	0.00
2		1,4-Dioxane	40.000	38.421	3.9	129	0.00
3		Pyridine	40.000	39.743	0.6	131	0.00
4		n-Nitrosodimethylamine	40.000	39.713	0.7	133	0.00
5	S	2-Fluorophenol	80.000	79.812	0.2	131	0.00
6		Aniline	40.000	41.558	-3.9	138	0.00
7	S	Phenol-d6	80.000	82.307	-2.9	136	0.00
8		2-Chlorophenol	40.000	39.632	0.9	132	0.00
9		Benzaldehyde	40.000	38.938	2.7	137	0.00
10	C	Phenol	40.000	40.424	-1.1	136	0.00
11		bis(2-Chloroethyl)ether	40.000	39.691	0.8	135	0.00
12		1,3-Dichlorobenzene	40.000	38.623	3.4	131	0.00
13	C	1,4-Dichlorobenzene	40.000	38.645	3.4	130	0.00
14		1,2-Dichlorobenzene	40.000	38.803	3.0	130	0.00
15		Benzyl Alcohol	40.000	41.958	-4.9	137	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.736	3.2	131	0.00
17		2-Methylphenol	40.000	40.737	-1.8	134	0.00
18		Hexachloroethane	40.000	37.848	5.4	125	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.653	-4.1	135	0.00
20		3+4-Methylphenols	40.000	40.994	-2.5	135	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	132	0.00
22		Acetophenone	40.000	39.465	1.3	133	0.00
23	S	Nitrobenzene-d5	80.000	79.713	0.4	133	0.00
24		Nitrobenzene	40.000	39.649	0.9	134	0.00
25		Isophorone	40.000	40.681	-1.7	136	0.00
26	C	2-Nitrophenol	40.000	42.188	-5.5	138	0.00
27		2,4-Dimethylphenol	40.000	40.805	-2.0	137	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.135	2.2	134	0.00
29	C	2,4-Dichlorophenol	40.000	40.313	-0.8	134	0.00
30		1,2,4-Trichlorobenzene	40.000	38.096	4.8	131	0.00
31		Naphthalene	40.000	39.284	1.8	134	0.00
32		Benzoic acid	40.000	42.940	-7.3	146	0.02
33		4-Chloroaniline	40.000	40.318	-0.8	134	0.00
34	C	Hexachlorobutadiene	40.000	38.204	4.5	130	0.00
35		Caprolactam	40.000	43.119	-7.8	137	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.022	-5.1	138	0.00
37		2-Methylnaphthalene	40.000	39.933	0.2	135	0.00
38		1-Methylnaphthalene	40.000	40.096	-0.2	136	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	137	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.890	2.8	136	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.461	1.3	133	0.00
42	S	2,4,6-Tribromophenol	80.000	87.947	-9.9	140	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.087	-2.7	138	0.00
44		2,4,5-Trichlorophenol	40.000	40.857	-2.1	137	0.00
45	S	2-Fluorobiphenyl	80.000	78.993	1.3	136	0.00
46		1,1'-Biphenyl	40.000	38.855	2.9	134	0.00
47		2-Chloronaphthalene	40.000	38.600	3.5	134	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.046	-5.1	138	0.00
49		Acenaphthylene	40.000	39.705	0.7	136	0.00
50		Dimethylphthalate	40.000	39.312	1.7	135	0.00
51		2,6-Dinitrotoluene	40.000	40.774	-1.9	137	0.00
52	C	Acenaphthene	40.000	39.236	1.9	134	0.00
53		3-Nitroaniline	40.000	41.671	-4.2	137	0.00
54	P	2,4-Dinitrophenol	40.000	40.645	-1.6	143	0.00
55		Dibenzofuran	40.000	38.878	2.8	136	0.00
56	P	4-Nitrophenol	40.000	39.814	0.5	134	0.00
57		2,4-Dinitrotoluene	40.000	41.860	-4.6	137	0.00
58		Fluorene	40.000	40.133	-0.3	137	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.187	-3.0	137	0.00
60		Diethylphthalate	40.000	39.848	0.4	136	0.00
61		4-Chlorophenyl-phenylether	40.000	39.997	0.0	136	0.00
62		4-Nitroaniline	40.000	37.552	6.1	131	0.00
63		Azobenzene	40.000	39.634	0.9	135	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	135	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.710	-1.8	143	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.117	-0.3	137	0.00
67		4-Bromophenyl-phenylether	40.000	39.881	0.3	138	0.00
68		Hexachlorobenzene	40.000	39.511	1.2	138	0.00
69		Atrazine	40.000	37.400	6.5	132	0.00
70	C	Pentachlorophenol	40.000	40.280	-0.7	138	0.00
71		Phenanthrene	40.000	39.603	1.0	136	0.00
72		Anthracene	40.000	40.434	-1.1	138	0.00
73		Carbazole	40.000	39.814	0.5	132	0.00
74		Di-n-butylphthalate	40.000	40.175	-0.4	134	0.00
75	C	Fluoranthene	40.000	40.255	-0.6	134	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	122	0.00
77		Benzidine	40.000	48.932	-22.3	171	0.00
78		Pyrene	40.000	41.286	-3.2	133	0.00
79	S	Terphenyl-d14	80.000	87.079	-8.8	131	0.00
80		Butylbenzylphthalate	40.000	41.591	-4.0	128	0.00
81		Benzo(a)anthracene	40.000	39.638	0.9	124	0.00
82		3,3'-Dichlorobenzidine	40.000	40.108	-0.3	130	0.00
83		Chrysene	40.000	39.108	2.2	122	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.168	-2.9	126	0.00
85	c	Di-n-octyl phthalate	40.000	38.353	4.1	122	0.00
86	I	Perylene-d12	20.000	20.000	0.0	117	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.154	4.6	112	0.01
88		Benzo(b)fluoranthene	40.000	39.262	1.8	116	0.00
89		Benzo(k)fluoranthene	40.000	39.606	1.0	119	0.01
90	C	Benzo(a)pyrene	40.000	39.477	1.3	116	0.01
91		Dibenzo(a,h)anthracene	40.000	38.090	4.8	112	0.01
92		Benzo(g,h,i)perylene	40.000	37.817	5.5	111	0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049714.D
Acq On : 13 Mar 2025 14:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM031325

Quant Time: Mar 13 15:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG No.: Q1664

Instrument ID: BNA_F Calibration Date/Time: 03/31/2025 12:22

Lab File ID: BF142175.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.172		-2.2	
Benzaldehyde	0.853	1.304		52.9	
Phenol-d6	1.526	1.475		-3.3	
Phenol	1.605	1.534		-4.4	20.0
bis(2-Chloroethyl)ether	1.205	1.122		-6.9	
2-Chlorophenol	1.329	1.310		-1.4	
2-Methylphenol	1.057	1.002		-5.2	
2,2-oxybis(1-Chloropropane)	1.455	1.178		-19.0	
Acetophenone	0.479	0.461		-3.8	
3+4-Methylphenols	1.354	1.250		-7.7	
n-Nitroso-di-n-propylamine	0.980	0.859	0.050	-12.3	
Nitrobenzene-d5	0.355	0.349		-1.7	
Hexachloroethane	0.544	0.523		-3.9	
Nitrobenzene	0.353	0.346		-2.0	
Isophorone	0.628	0.587		-6.5	
2-Nitrophenol	0.173	0.185		6.9	20.0
2,4-Dimethylphenol	0.239	0.232		-2.9	
bis(2-Chloroethoxy)methane	0.394	0.369		-6.3	
2,4-Dichlorophenol	0.296	0.302		2.0	20.0
Naphthalene	1.027	1.014		-1.3	
4-Chloroaniline	0.363	0.356		-1.9	
Hexachlorobutadiene	0.213	0.219		2.8	20.0
Caprolactam	0.090	0.092		2.2	
4-Chloro-3-methylphenol	0.331	0.328		-0.9	20.0
2-Methylnaphthalene	0.687	0.685		-0.3	
Hexachlorocyclopentadiene	0.238	0.195	0.050	-18.1	
2,4,6-Trichlorophenol	0.398	0.350		-12.1	20.0
2-Fluorobiphenyl	1.315	1.168		-11.2	
2,4,5-Trichlorophenol	0.403	0.385		-4.5	
1,1-Biphenyl	1.520	1.345		-11.5	
2-Chloronaphthalene	1.133	1.030		-9.1	
2-Nitroaniline	0.328	0.292		-11.0	
Dimethylphthalate	1.401	1.284		-8.4	
Acenaphthylene	1.681	1.551		-7.7	
2,6-Dinitrotoluene	0.292	0.278		-4.8	
3-Nitroaniline	0.296	0.300		1.4	
Acenaphthene	1.181	1.188		0.6	20.0
2,4-Dinitrophenol	0.139	0.166	0.050	19.4	
4-Nitrophenol	0.223	0.245	0.050	9.9	

Form VII SV-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: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG No.: Q1664

Instrument ID: BNA_F Calibration Date/Time: 03/31/2025 12:22

Lab File ID: BF142175.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.688	1.599		-5.3	
2,4-Dinitrotoluene	0.381	0.392		2.9	
Diethylphthalate	1.397	1.338		-4.2	
4-Chlorophenyl-phenylether	0.679	0.676		-0.4	
Fluorene	1.302	1.272		-2.3	
4-Nitroaniline	0.288	0.301		4.5	
4,6-Dinitro-2-methylphenol	0.119	0.133		11.8	
n-Nitrosodiphenylamine	0.647	0.629		-2.8	20.0
2,4,6-Tribromophenol	0.254	0.277		9.1	
4-Bromophenyl-phenylether	0.251	0.257		2.4	
Hexachlorobenzene	0.275	0.289		5.1	
Atrazine	0.198	0.192		-3.0	
Pentachlorophenol	0.170	0.180		5.9	20.0
Phenanthrene	1.080	1.070		-0.9	
Anthracene	1.084	1.035		-4.5	
Carbazole	0.935	0.936		0.1	
Di-n-butylphthalate	1.240	1.212		-2.3	
Fluoranthene	1.146	1.032		-9.9	20.0
Pyrene	1.730	1.698		-1.9	
Terphenyl-d14	1.353	1.360		0.5	
Butylbenzylphthalate	0.677	0.687		1.5	
3,3-Dichlorobenzidine	0.379	0.390		2.9	
Benzo(a)anthracene	1.312	1.311		-0.1	
Chrysene	1.190	1.200		0.8	
Bis(2-ethylhexyl)phthalate	0.934	0.887		-5.0	
Di-n-octyl phthalate	1.299	1.375		5.9	20.0
Benzo(b)fluoranthene	1.371	1.239		-9.6	
Benzo(k)fluoranthene	1.173	1.187		1.2	
Benzo(a)pyrene	1.073	1.067		-0.6	20.0
Indeno(1,2,3-cd)pyrene	1.294	1.221		-5.6	
Dibenzo(a,h)anthracene	1.067	0.995		-6.7	
Benzo(g,h,i)perylene	1.055	0.993		-5.9	
1,2,4,5-Tetrachlorobenzene	0.609	0.557		-8.5	
1,4-Dioxane	0.502	0.493		-1.8	20.0
2,3,4,6-Tetrachlorophenol	0.367	0.378		3.0	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142175.D
Acq On : 31 Mar 2025 12:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 31 13:28:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	153678	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	590359	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	382940	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	658962	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	402422	20.000	ng	0.00
86) Perylene-d12	15.510	264	395762	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	720182	78.213	ng	-0.02
7) Phenol-d6	6.492	99	906496	77.321	ng	-0.01
23) Nitrobenzene-d5	7.434	82	824222	78.569	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	424168	87.312	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1789068	71.051	ng	-0.01
79) Terphenyl-d14	12.980	244	2189308	80.433	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.616	88	151628	39.300	ng	95
3) Pyridine	3.381	79	357118	37.735	ng	95
4) n-Nitrosodimethylamine	3.334	42	162523m	36.026	ng	
6) Aniline	6.528	93	423065	36.580	ng	97
8) 2-Chlorophenol	6.651	128	402678	39.430	ng	98
9) Benzaldehyde	6.422	77	400852	61.135	ng	98
10) Phenol	6.510	94	471439	38.223	ng	98
11) bis(2-Chloroethyl)ether	6.604	93	344959	37.247	ng	97
12) 1,3-Dichlorobenzene	6.810	146	431688	39.154	ng	98
13) 1,4-Dichlorobenzene	6.887	146	442695	39.685	ng	98
14) 1,2-Dichlorobenzene	7.040	146	418060	39.788	ng	98
15) Benzyl Alcohol	7.010	79	357915	37.762	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.139	45	362122	32.388	ng	95
17) 2-Methylphenol	7.116	107	308065	37.940	ng	99
18) Hexachloroethane	7.381	117	160616	38.396	ng	94
19) n-Nitroso-di-n-propyla...	7.281	70	264106	35.059	ng	98
20) 3+4-Methylphenols	7.269	107	384200	36.940	ng	93
22) Acetophenone	7.275	105	544720	38.530	ng	96
24) Nitrobenzene	7.451	77	408076	39.130	ng	97
25) Isophorone	7.687	82	693028	37.373	ng	99
26) 2-Nitrophenol	7.763	139	218069	42.605	ng	98
27) 2,4-Dimethylphenol	7.798	122	273488	38.804	ng	100
28) bis(2-Chloroethoxy)met...	7.898	93	436149	37.500	ng	99
29) 2,4-Dichlorophenol	8.004	162	356384	40.739	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	396543	41.132	ng	99
31) Naphthalene	8.175	128	1197246	39.479	ng	100
32) Benzoic acid	7.922	122	269230	43.457	ng	97
33) 4-Chloroaniline	8.222	127	419768	39.211	ng	97
34) Hexachlorobutadiene	8.286	225	258743	41.154	ng	99
35) Caprolactam	8.598	113	108728	40.767	ng	88
36) 4-Chloro-3-methylphenol	8.698	107	387742	39.734	ng	97
37) 2-Methylnaphthalene	8.863	142	808508	39.887	ng	100
38) 1-Methylnaphthalene	8.963	142	784063	40.084	ng	99
40) 1,2,4,5-Tetrachloroben...	9.028	216	426726	36.601	ng	98
41) Hexachlorocyclopentadiene	9.016	237	149031	32.662	ng	99
43) 2,4,6-Trichlorophenol	9.139	196	267782	35.144	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142175.D
Acq On : 31 Mar 2025 12:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 31 13:28:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	294625	38.178	ng		98
46) 1,1'-Biphenyl	9.328	154	1029821	35.393	ng		100
47) 2-Chloronaphthalene	9.351	162	789161	36.389	ng		98
48) 2-Nitroaniline	9.451	65	223730	35.630	ng		95
49) Acenaphthylene	9.769	152	1187671	36.904	ng		100
50) Dimethylphthalate	9.628	163	983065	36.659	ng		100
51) 2,6-Dinitrotoluene	9.692	165	212696	38.094	ng		92
52) Acenaphthene	9.939	154	909759	40.226	ng		99
53) 3-Nitroaniline	9.863	138	229673	40.552	ng		95
54) 2,4-Dinitrophenol	9.969	184	126805	43.261	ng	#	44
55) Dibenzofuran	10.116	168	1224573	37.893	ng		97
56) 4-Nitrophenol	10.016	139	187493	43.898	ng		94
57) 2,4-Dinitrotoluene	10.098	165	300571	41.216	ng		96
58) Fluorene	10.457	166	974033	39.084	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.228	232	289877	41.279	ng		96
60) Diethylphthalate	10.328	149	1024395	38.310	ng		99
61) 4-Chlorophenyl-phenyle...	10.445	204	517652	39.842	ng		97
62) 4-Nitroaniline	10.475	138	230890	41.874	ng		96
63) Azobenzene	10.610	77	901409	36.260	ng		95
65) 4,6-Dinitro-2-methylph...	10.504	198	174944	44.534	ng		95
66) n-Nitrosodiphenylamine	10.569	169	829498	38.899	ng		100
67) 4-Bromophenyl-phenylether	10.939	248	338991	40.962	ng		95
68) Hexachlorobenzene	11.004	284	381167	41.994	ng		94
69) Atrazine	11.092	200	253570	38.789	ng		98
70) Pentachlorophenol	11.198	266	236933	42.367	ng		99
71) Phenanthrene	11.422	178	1409825	39.610	ng		100
72) Anthracene	11.475	178	1364675	38.217	ng		100
73) Carbazole	11.627	167	1233540	40.056	ng		100
74) Di-n-butylphthalate	11.951	149	1597845	39.103	ng		100
75) Fluoranthene	12.610	202	1360519	36.035	ng		99
77) Benzidine	12.727	184	246774	43.953	ng		99
78) Pyrene	12.839	202	1366309	39.251	ng		99
80) Butylbenzylphthalate	13.451	149	553085	40.594	ng		98
81) Benzo(a)anthracene	14.027	228	1055317	39.963	ng		99
82) 3,3'-Dichlorobenzidine	13.986	252	313883	41.131	ng		100
83) Chrysene	14.063	228	965783	40.347	ng		100
84) Bis(2-ethylhexyl)phtha...	14.010	149	713878	38.001	ng		99
85) Di-n-octyl phthalate	14.621	149	1106581	42.336	ng		97
87) Indeno(1,2,3-cd)pyrene	17.004	276	966446	37.750	ng		97
88) Benzo(b)fluoranthene	15.080	252	980961	36.166	ng		99
89) Benzo(k)fluoranthene	15.110	252	939819	40.489	ng		99
90) Benzo(a)pyrene	15.451	252	844845	39.807	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	787699	37.291	ng		98
92) Benzo(g,h,i)perylene	17.456	276	785864	37.648	ng		97

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

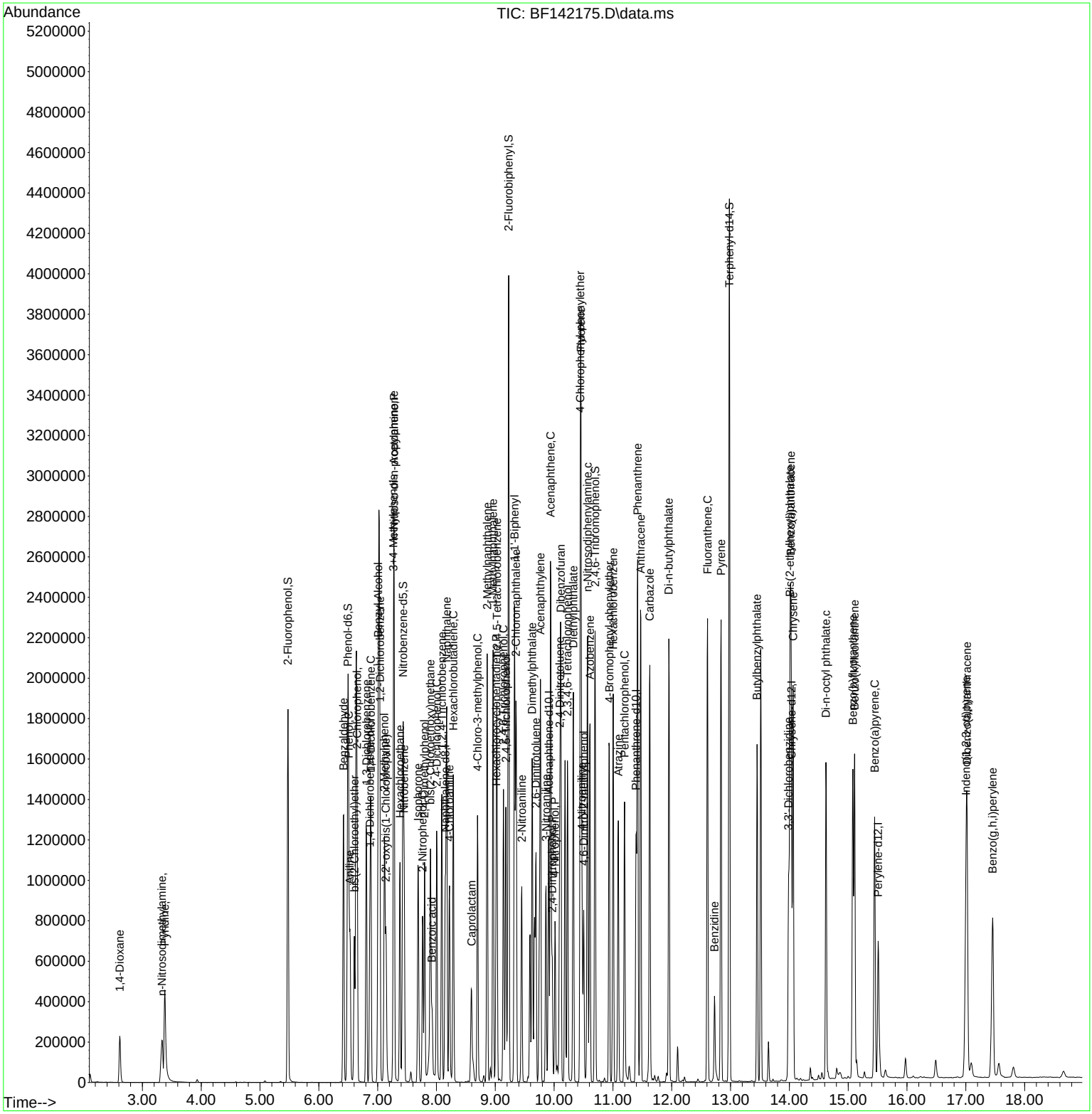
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142175.D
Acq On : 31 Mar 2025 12:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

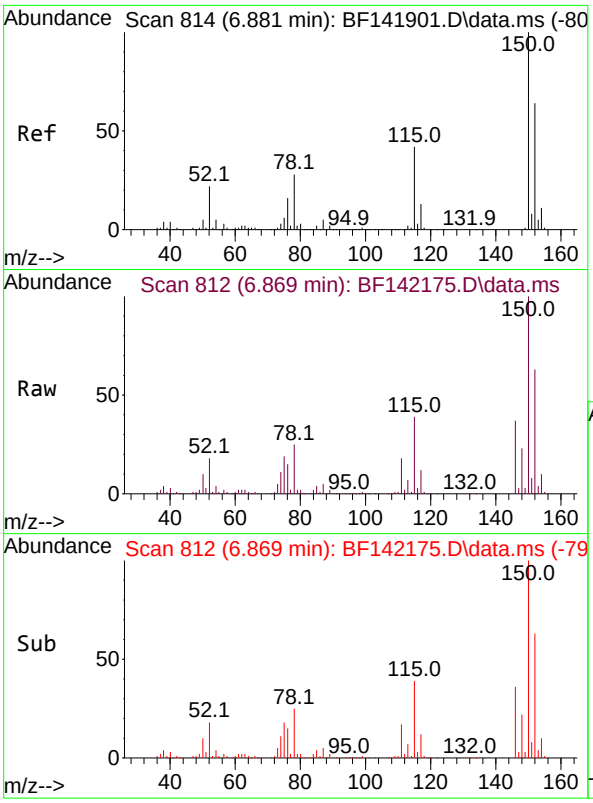
Quant Time: Mar 31 13:28:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

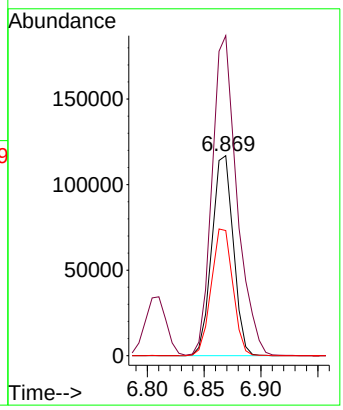




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:152 Resp: 15367

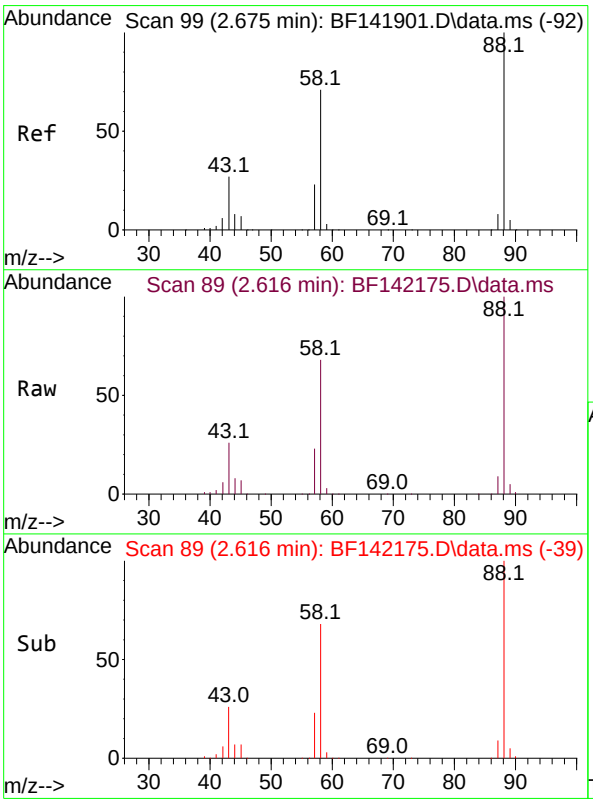
Ion	Ratio	Lower	Upper
152	100		
150	159.9	127.4	191.2
115	62.5	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

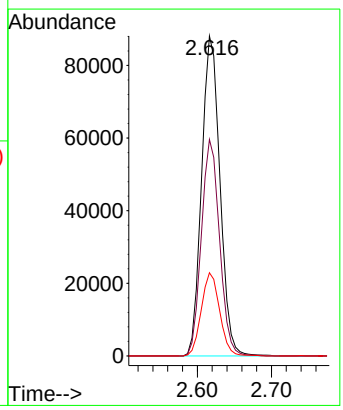
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

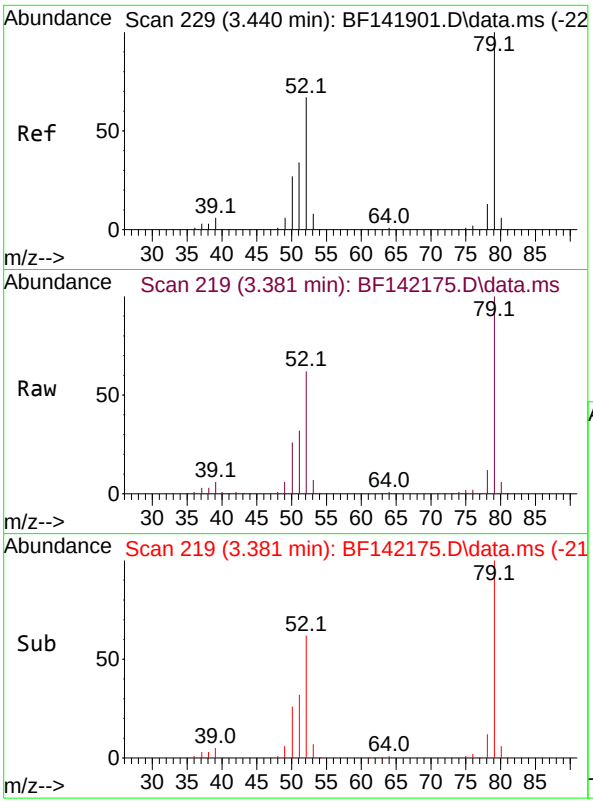


#2
1,4-Dioxane
Concen: 39.300 ng
RT: 2.616 min Scan# 89
Delta R.T. -0.059 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion: 88 Resp: 151628

Ion	Ratio	Lower	Upper
88	100		
58	66.8	57.4	86.2
43	26.0	21.5	32.3





#3
Pyridine
Concen: 37.735 ng
RT: 3.381 min Scan# 21
Delta R.T. -0.059 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

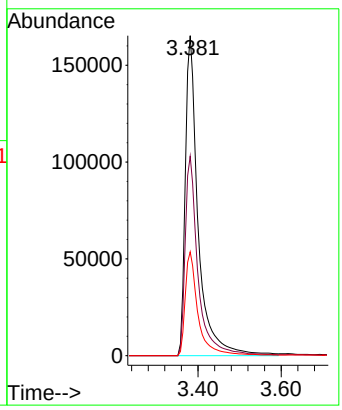
Tgt Ion: 79 Resp: 35711

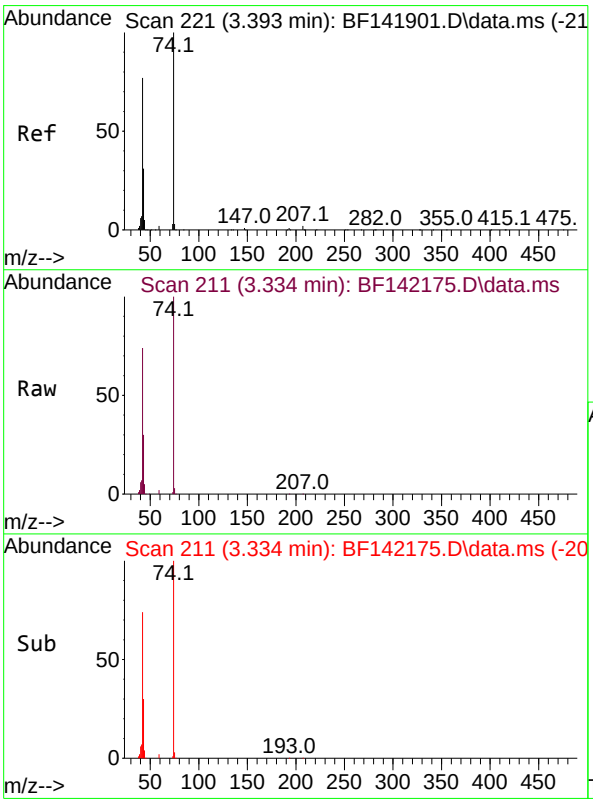
Ion	Ratio	Lower	Upper
79	100		
52	62.3	53.3	79.9
51	32.5	27.6	41.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

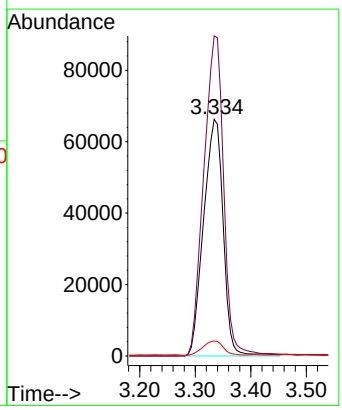


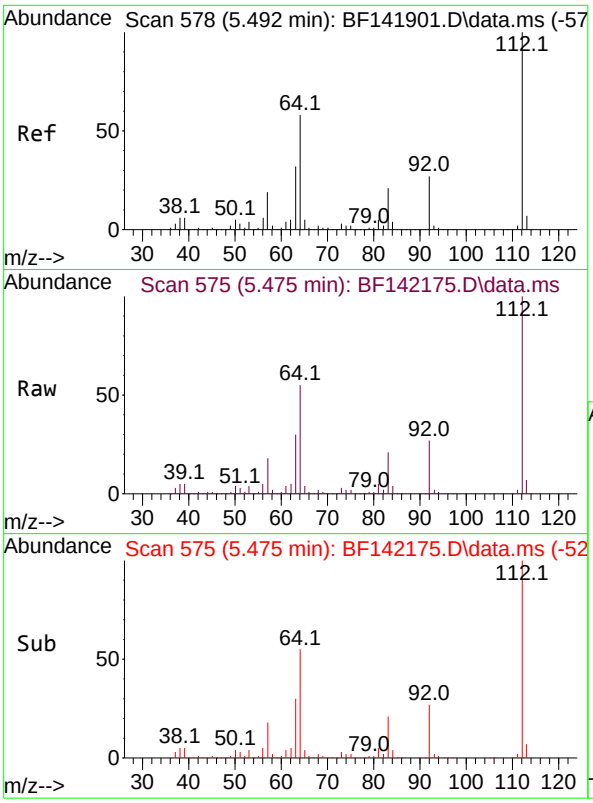


#4
n-Nitrosodimethylamine
Concen: 36.026 ng m
RT: 3.334 min Scan# 211
Delta R.T. -0.059 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion: 42 Resp: 162523

Ion	Ratio	Lower	Upper
42	100		
74	135.2	103.4	155.0
44	6.3	5.0	7.4





#5
2-Fluorophenol
Concen: 78.213 ng
RT: 5.475 min Scan# 5
Delta R.T. -0.018 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

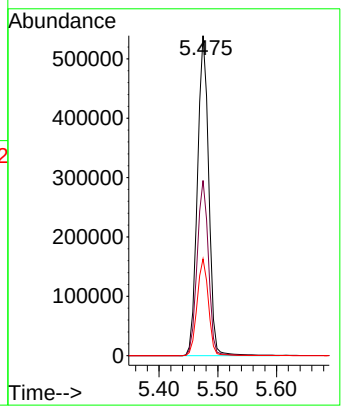
Tgt Ion:112 Resp: 72018

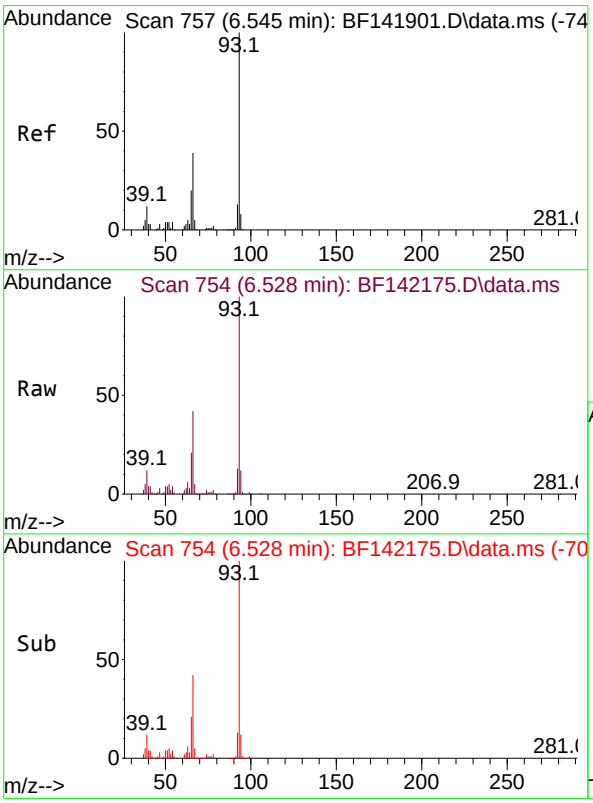
Ion	Ratio	Lower	Upper
112	100		
64	54.7	46.5	69.7
63	30.3	25.4	38.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

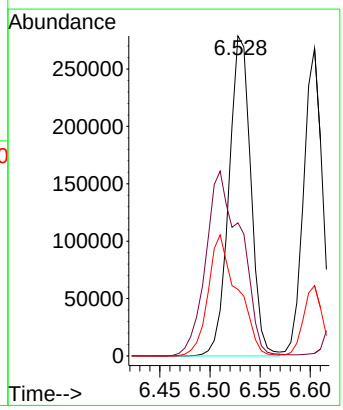


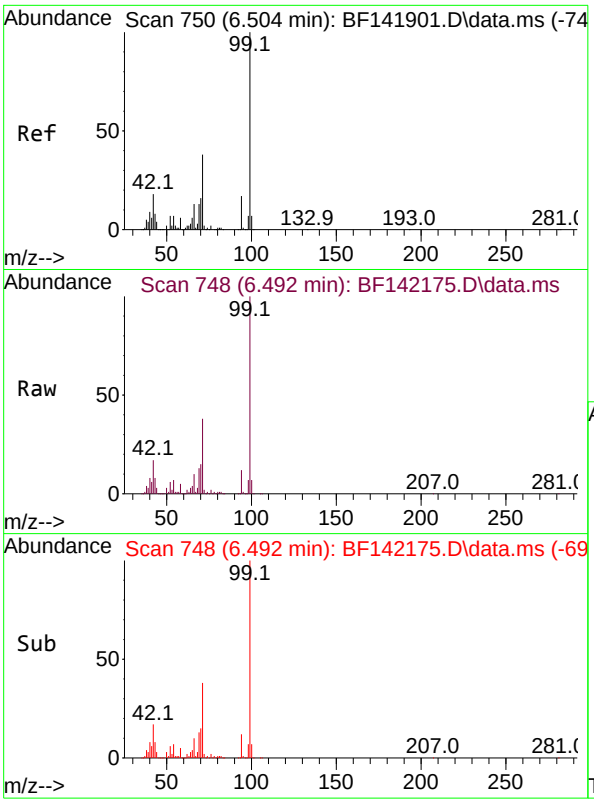


#6
Aniline
Concen: 36.580 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.018 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion: 93 Resp: 423065

Ion	Ratio	Lower	Upper
93	100		
66	41.6	31.9	47.9
65	20.8	15.8	23.6





#7
Phenol-d6
Concen: 77.321 ng
RT: 6.492 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

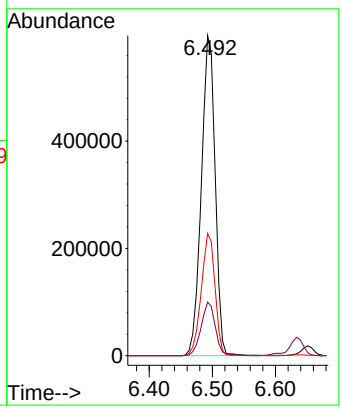
Tgt Ion: 99 Resp: 90649

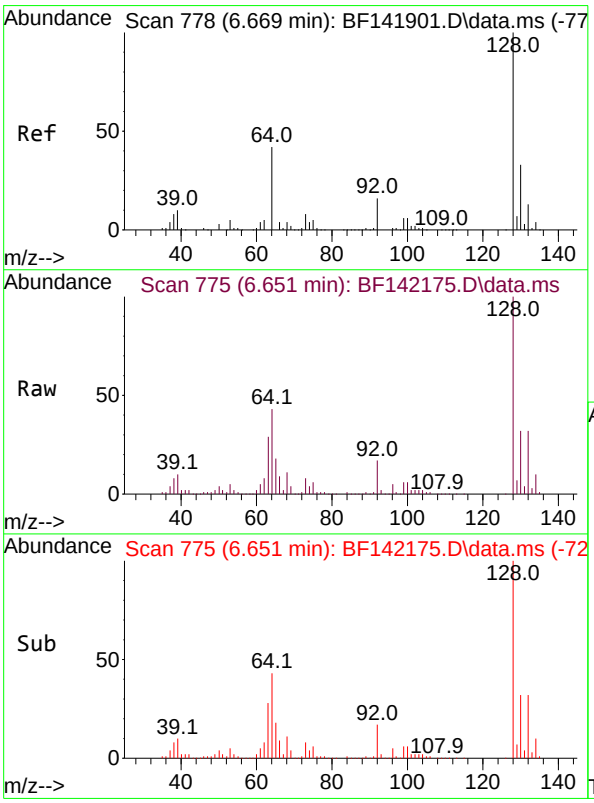
Ion	Ratio	Lower	Upper
99	100		
42	16.7	14.6	21.8
71	38.2	30.8	46.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

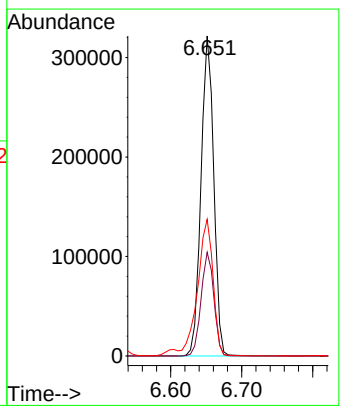


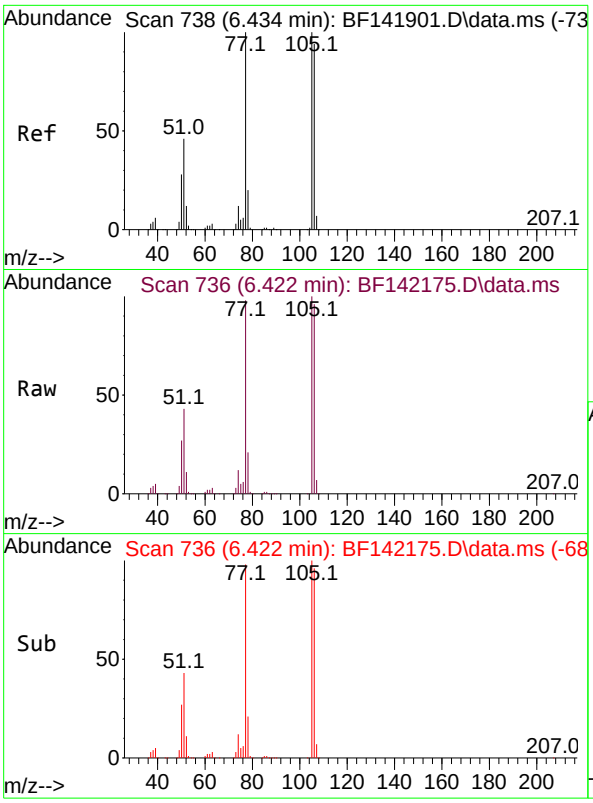


#8
2-Chlorophenol
Concen: 39.430 ng
RT: 6.651 min Scan# 775
Delta R.T. -0.018 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:128 Resp: 402678

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.8	52.8
64	42.7	24.4	64.4

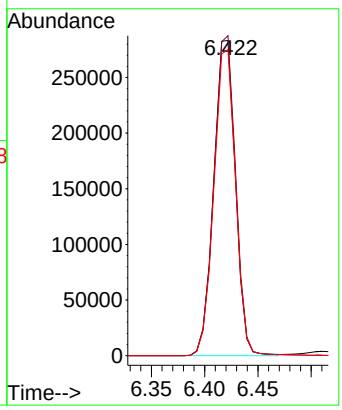




#9
Benzaldehyde
Concen: 61.135 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion: 77 Resp: 40085

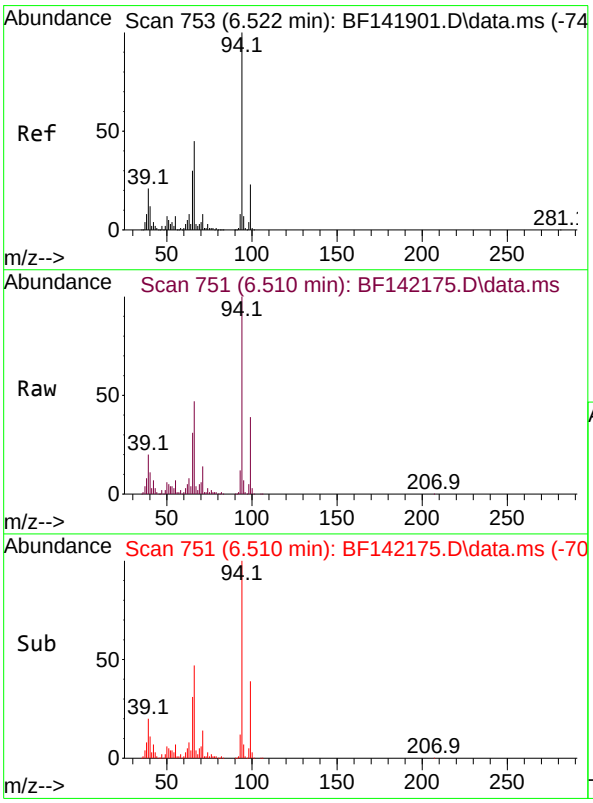
Ion	Ratio	Lower	Upper
77	100		
105	101.5	80.0	120.0
106	97.1	74.5	114.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

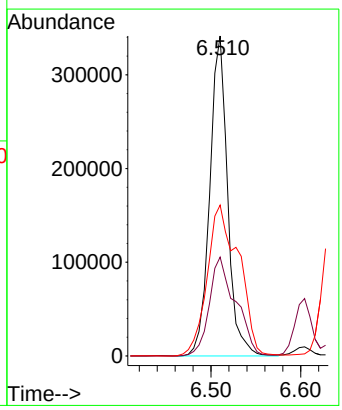
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

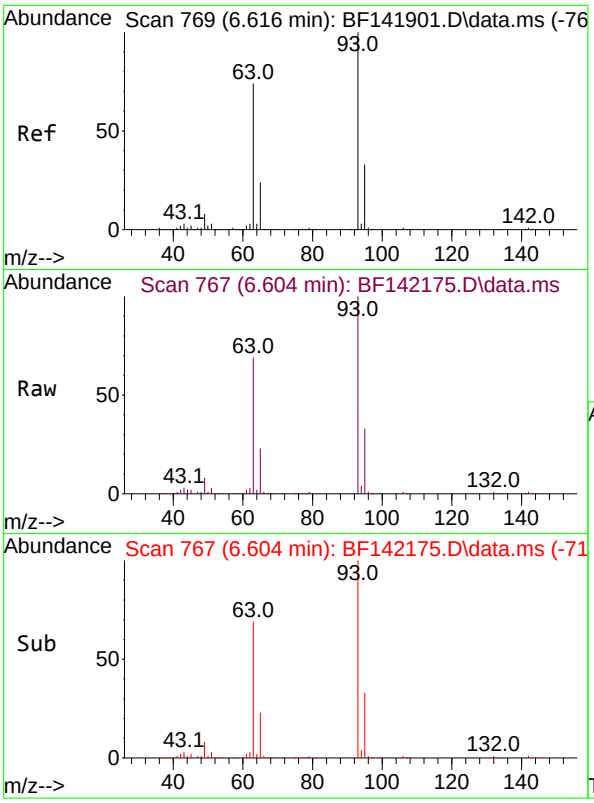


#10
Phenol
Concen: 38.223 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion: 94 Resp: 471439

Ion	Ratio	Lower	Upper
94	100		
65	30.9	10.5	50.5
66	47.2	25.8	65.8

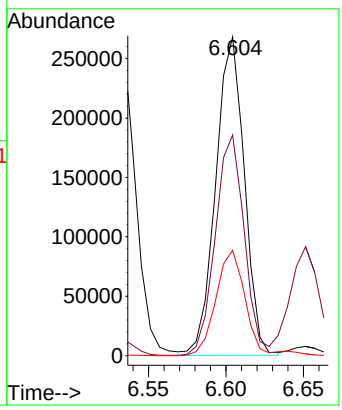




#11
bis(2-Chloroethyl)ether
Concen: 37.247 ng
RT: 6.604 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion: 93 Resp: 34495

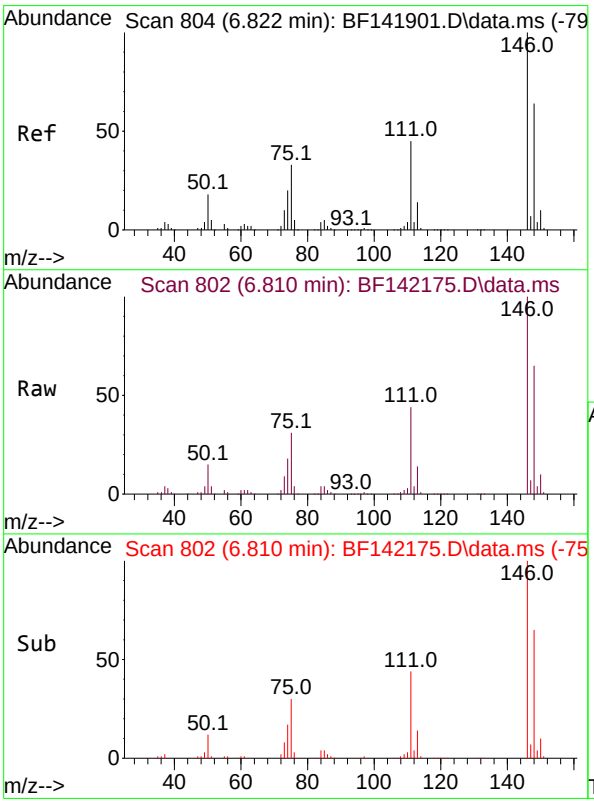
Ion	Ratio	Lower	Upper
93	100		
63	69.2	53.0	93.0
95	33.1	12.9	52.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

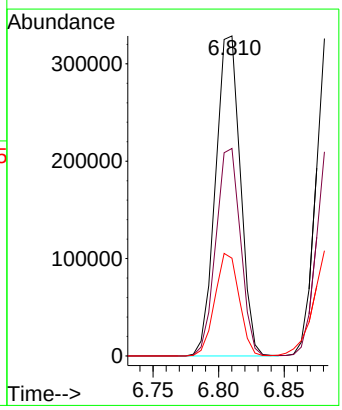
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

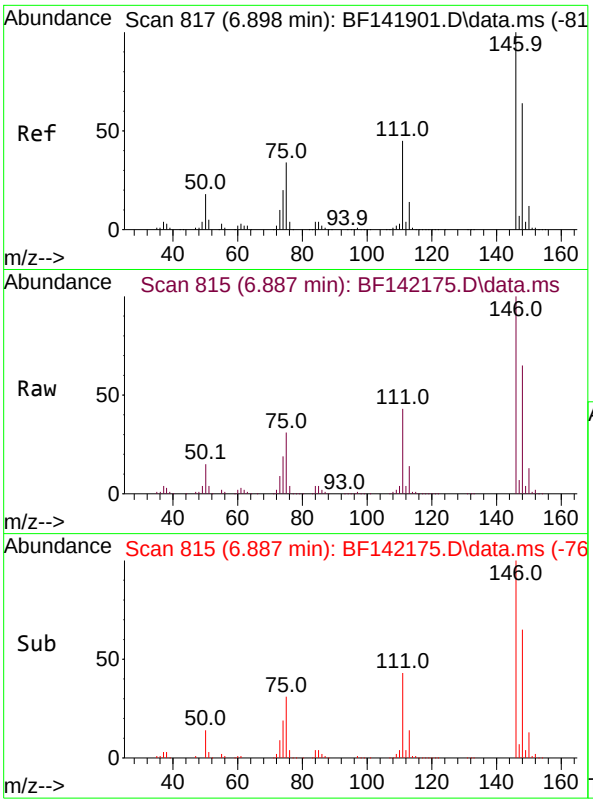


#12
1,3-Dichlorobenzene
Concen: 39.154 ng
RT: 6.810 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:146 Resp: 431688

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.3	76.9
75	30.6	26.6	40.0

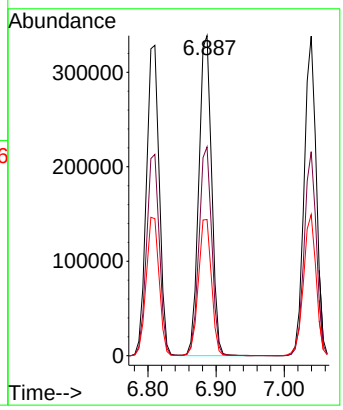




#13
1,4-Dichlorobenzene
Concen: 39.685 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:146 Resp: 44269

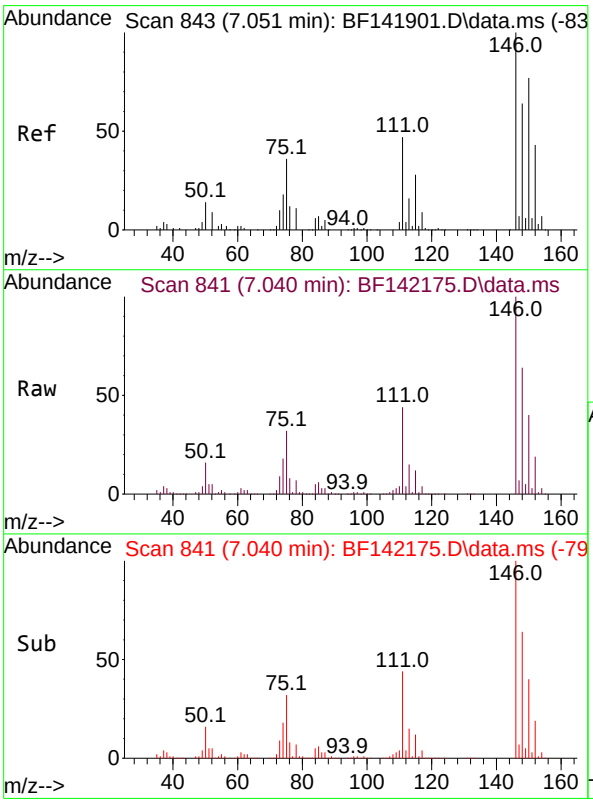
Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.0	76.6
111	42.6	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

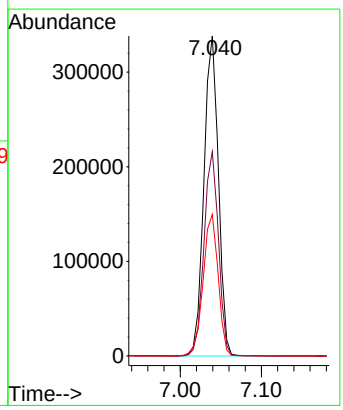
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

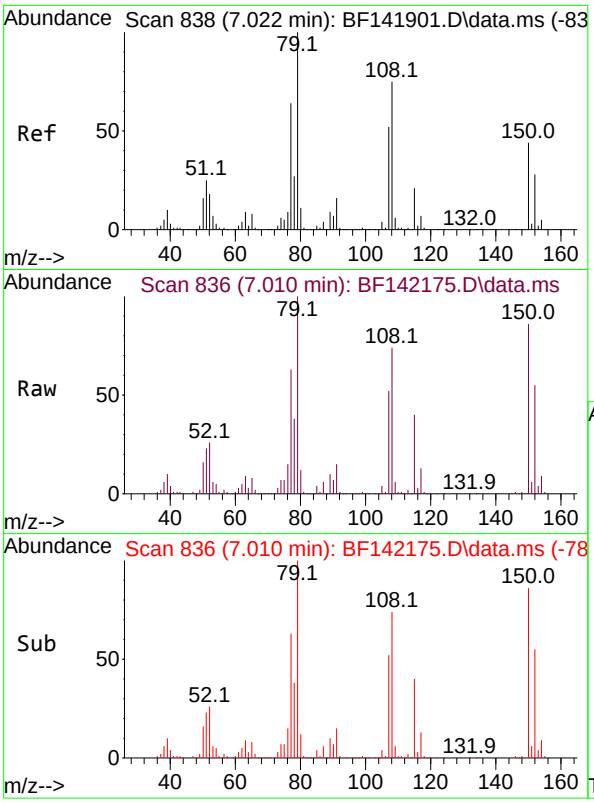


#14
1,2-Dichlorobenzene
Concen: 39.788 ng
RT: 7.040 min Scan# 841
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:146 Resp: 418060

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.8	76.2
111	44.2	38.0	57.0





#15
Benzyl Alcohol
Concen: 37.762 ng
RT: 7.010 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

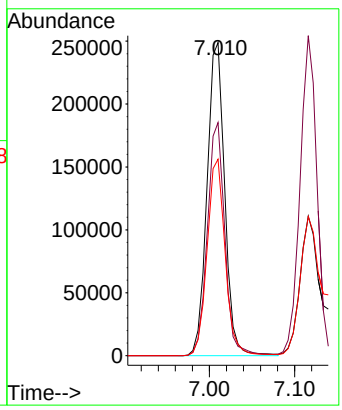
Tgt Ion: 79 Resp: 35791

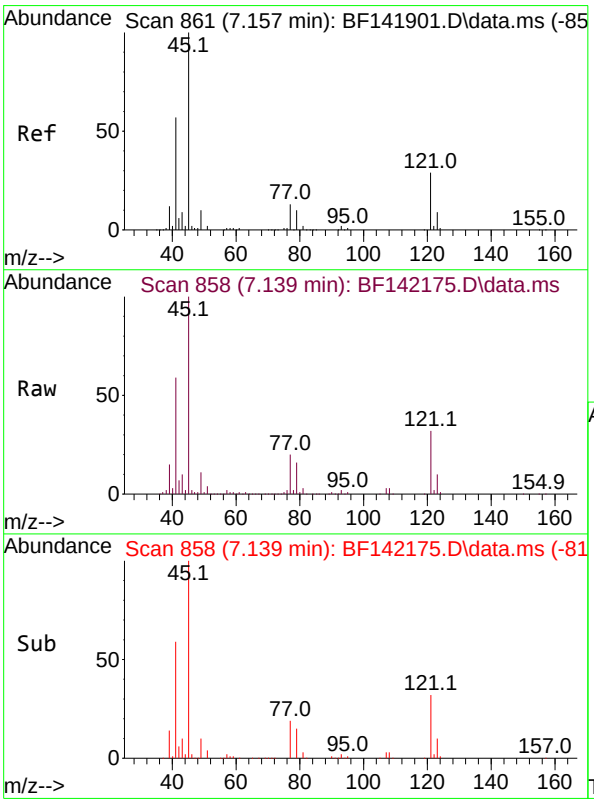
Ion	Ratio	Lower	Upper
79	100		
108	74.5	59.7	89.5
77	62.8	51.0	76.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

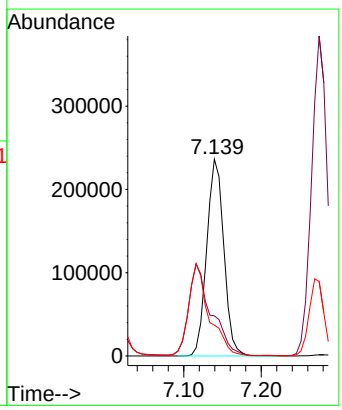


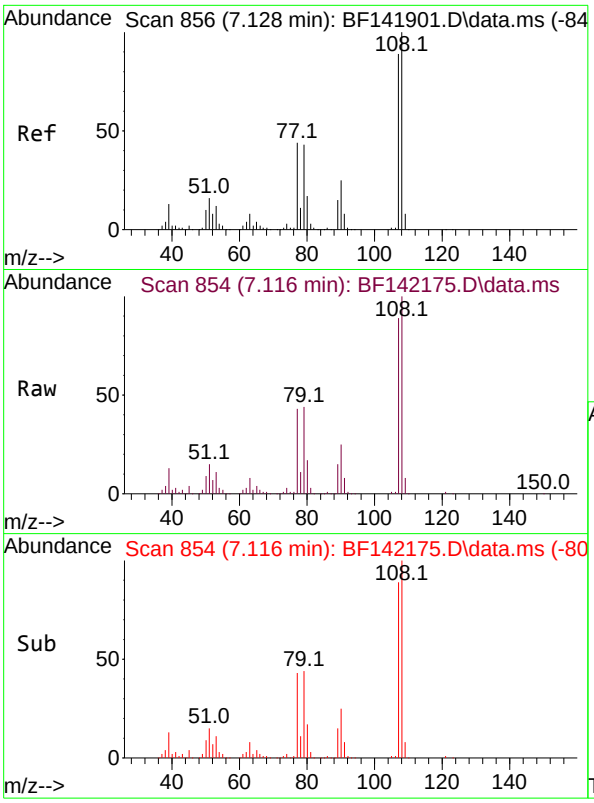


#16
2,2'-oxybis(1-Chloropropane)
Concen: 32.388 ng
RT: 7.139 min Scan# 858
Delta R.T. -0.018 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion: 45 Resp: 362122

Ion	Ratio	Lower	Upper
45	100		
77	20.4	0.0	37.8
79	15.7	0.0	34.2

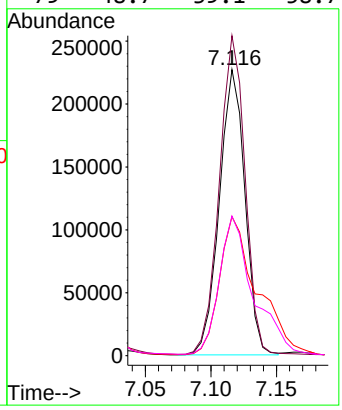




#17
2-Methylphenol
Concen: 37.940 ng
RT: 7.116 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:107 Resp: 30806

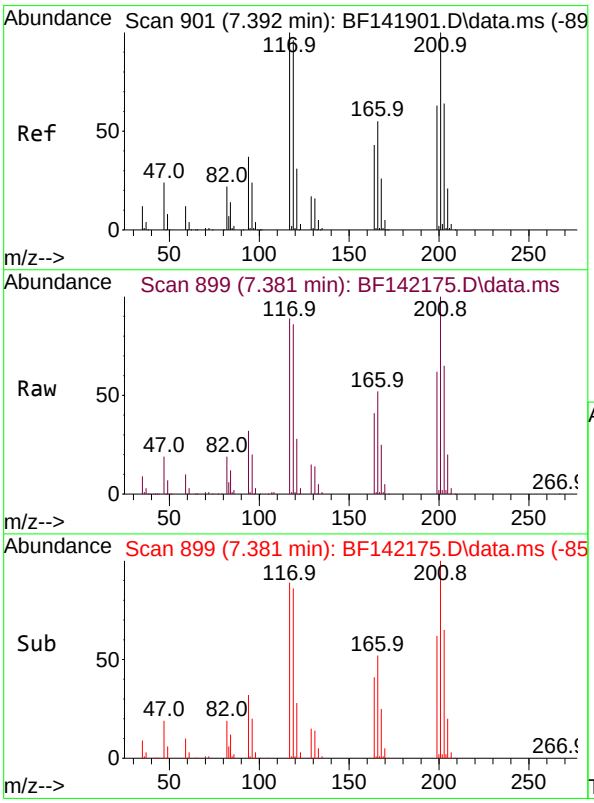
Ion	Ratio	Lower	Upper
107	100		
108	111.8	90.2	135.2
77	48.6	39.6	59.4
79	48.7	39.1	58.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

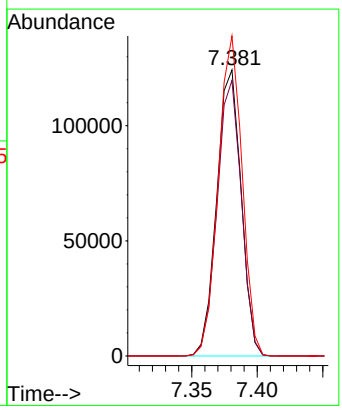
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

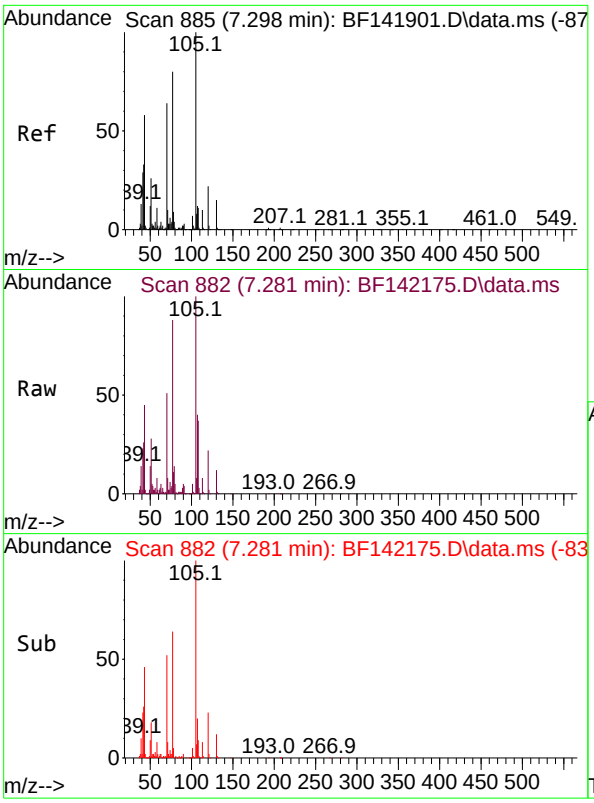


#18
Hexachloroethane
Concen: 38.396 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:117 Resp: 160616

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.9	115.3
201	111.9	79.9	119.9

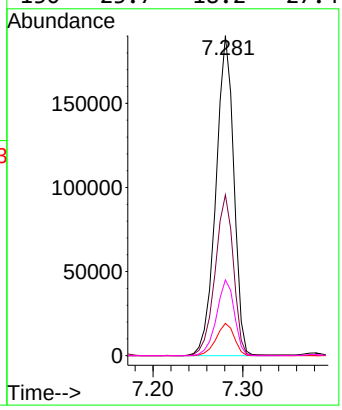




#19
n-Nitroso-di-n-propylamine
Concen: 35.059 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion: 70 Resp: 26410

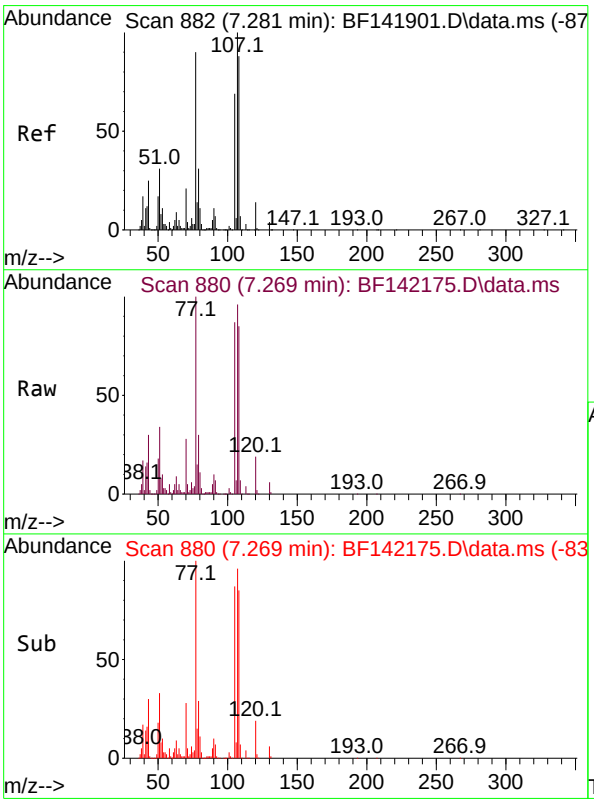
Ion	Ratio	Lower	Upper
70	100		
42	50.2	41.4	62.0
101	10.1	8.2	12.2
130	23.7	18.2	27.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

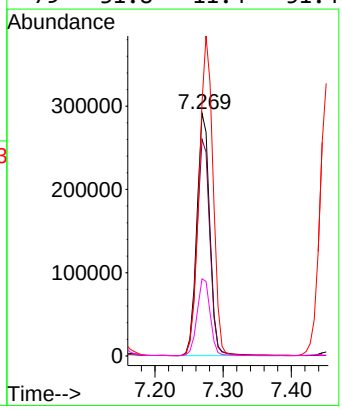
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

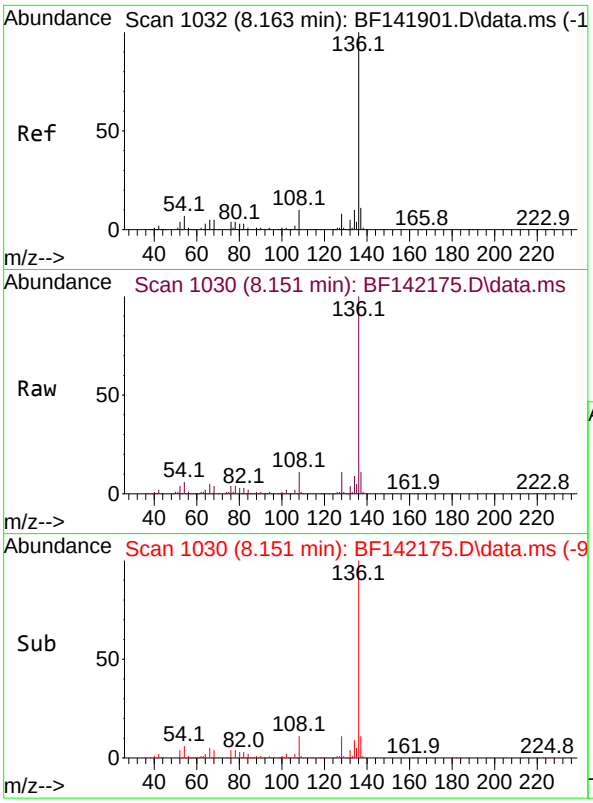


#20
3+4-Methylphenols
Concen: 36.940 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:107 Resp: 384200

Ion	Ratio	Lower	Upper
107	100		
108	89.3	68.4	108.4
77	104.6	69.7	109.7
79	31.8	11.4	51.4

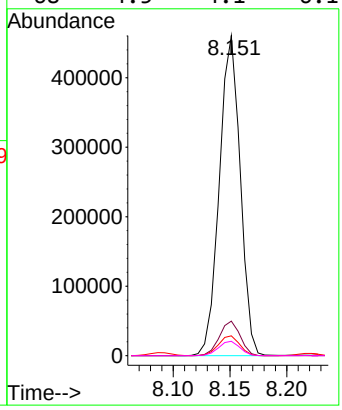




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:136 Resp: 59035

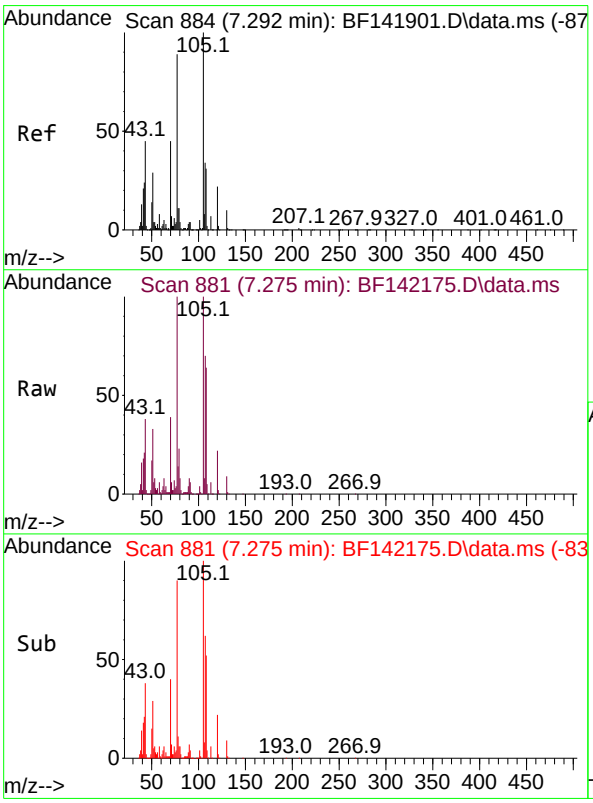
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.2	5.8	8.8
68	4.5	4.1	6.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

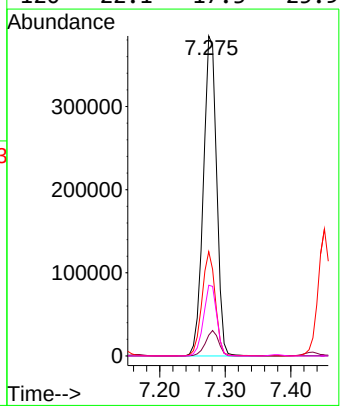
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

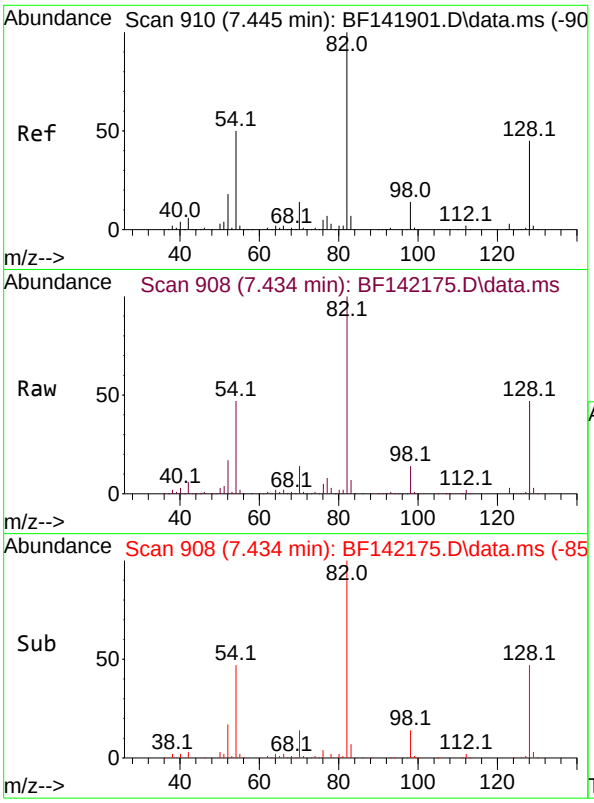


#22
Acetophenone
Concen: 38.530 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.018 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:105 Resp: 544720

Ion	Ratio	Lower	Upper
105	100		
71	6.5	5.8	8.8
51	32.6	23.4	35.0
120	22.1	17.3	25.9

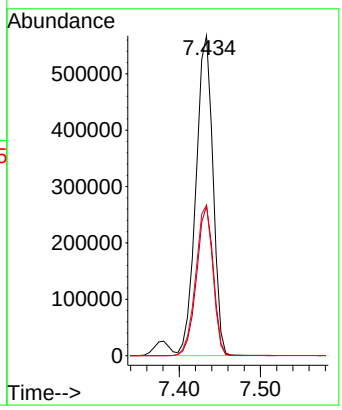




#23
Nitrobenzene-d5
Concen: 78.569 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion: 82 Resp: 82422

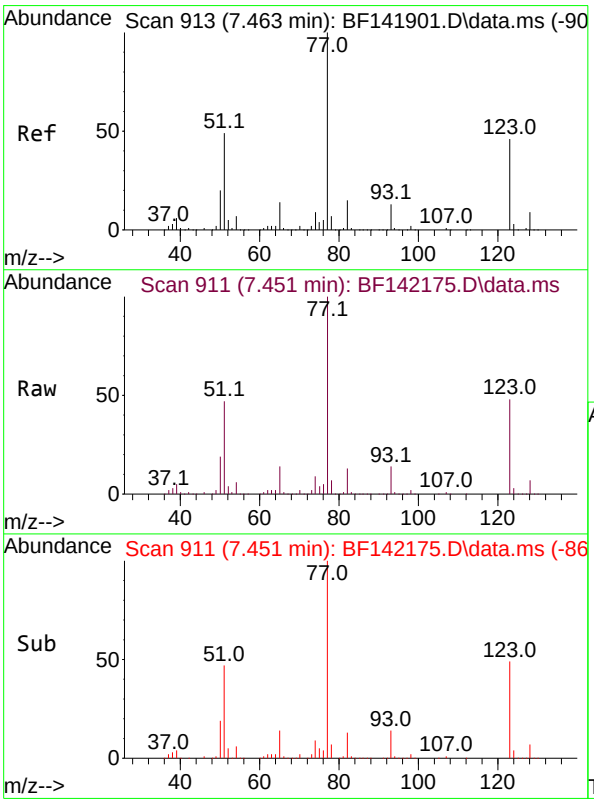
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.0	54.0
54	47.1	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

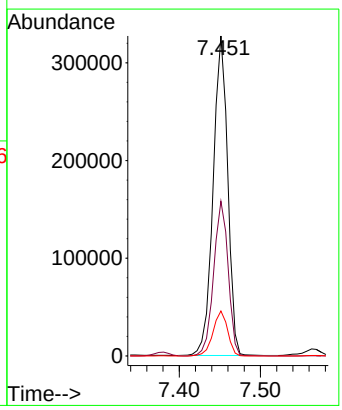
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

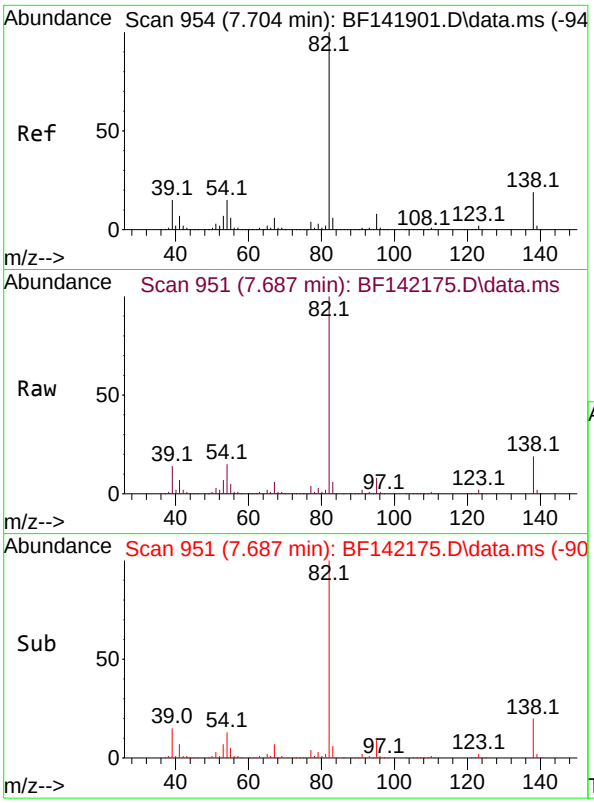


#24
Nitrobenzene
Concen: 39.130 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion: 77 Resp: 408076

Ion	Ratio	Lower	Upper
77	100		
123	48.4	37.0	55.4
65	14.0	11.3	16.9

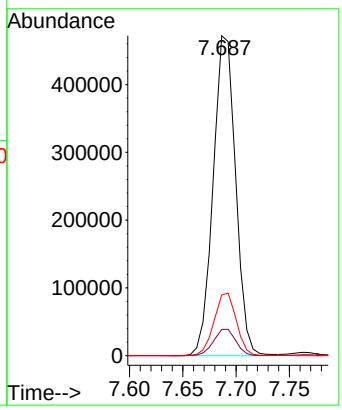




#25
Isophorone
Concen: 37.373 ng
RT: 7.687 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion: 82 Resp: 69302

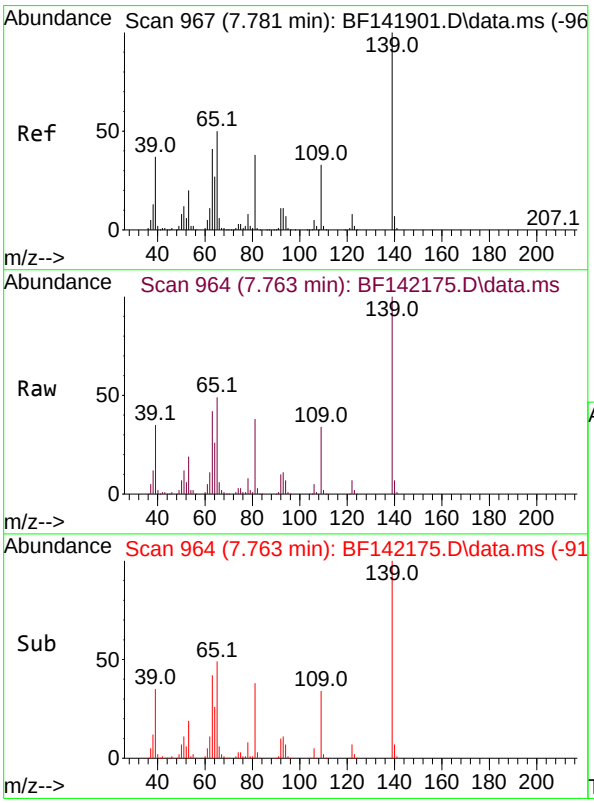
Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.4	9.6
138	18.9	14.9	22.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

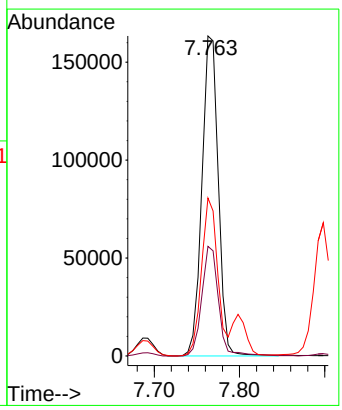
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

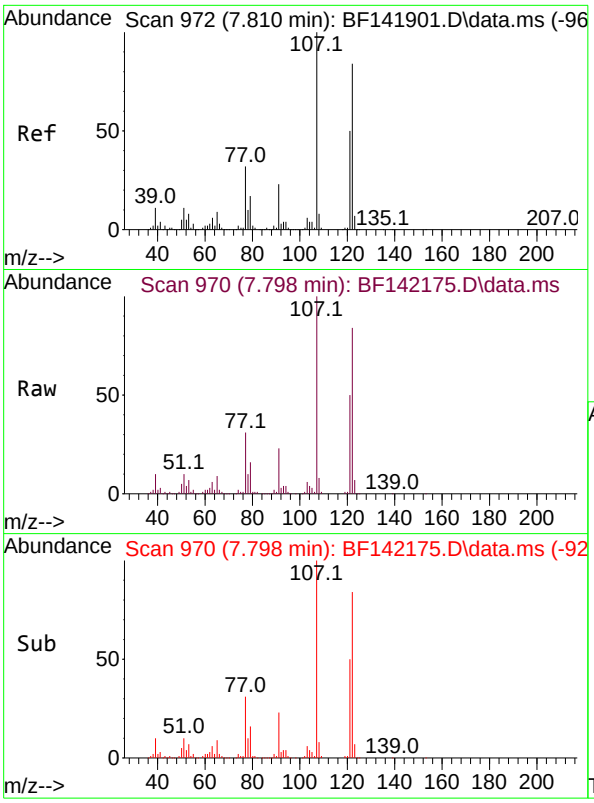


#26
2-Nitrophenol
Concen: 42.605 ng
RT: 7.763 min Scan# 964
Delta R.T. -0.018 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:139 Resp: 218069

Ion	Ratio	Lower	Upper
139	100		
109	34.2	26.5	39.7
65	49.3	40.3	60.5

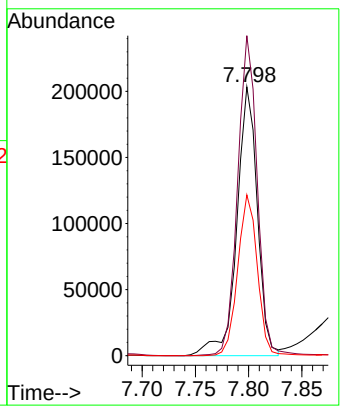




#27
2,4-Dimethylphenol
Concen: 38.804 ng
RT: 7.798 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:122 Resp: 27348

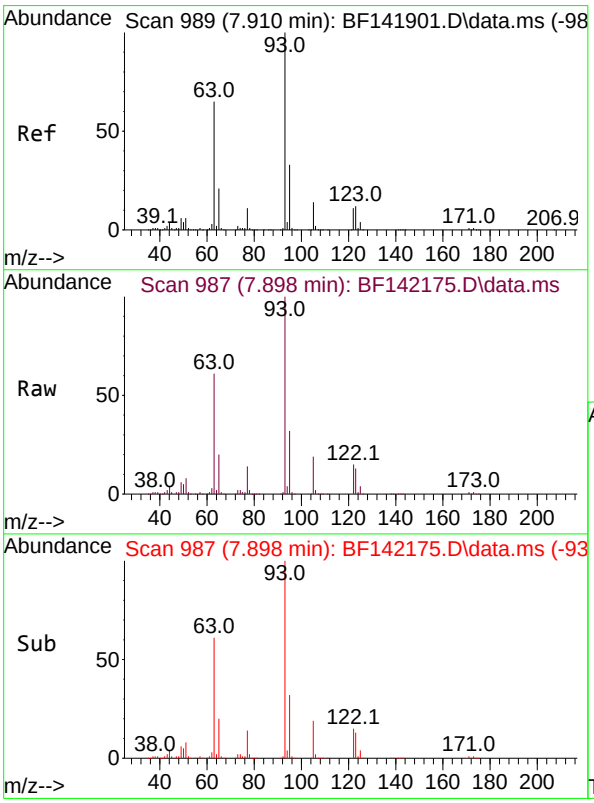
Ion	Ratio	Lower	Upper
122	100		
107	119.1	94.8	142.2
121	59.9	47.8	71.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

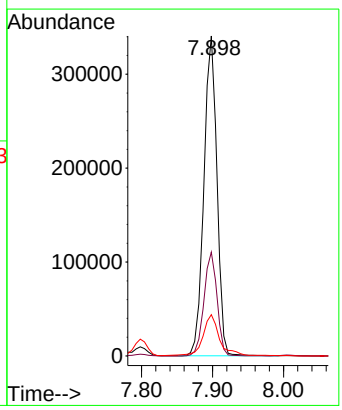
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

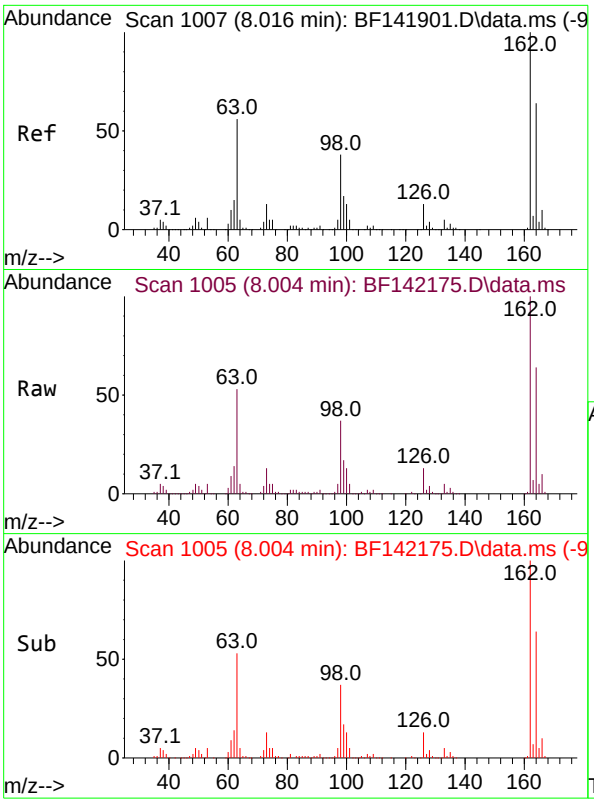


#28
bis(2-Chloroethoxy)methane
Concen: 37.500 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion: 93 Resp: 436149

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.6	40.0
123	12.9	10.2	15.4

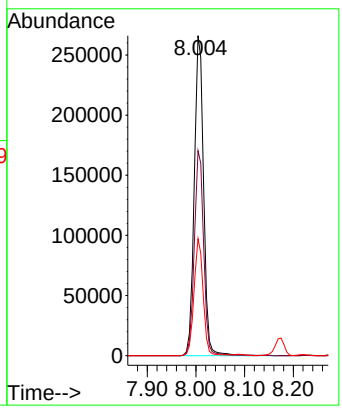




#29
2,4-Dichlorophenol
Concen: 40.739 ng
RT: 8.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:162 Resp: 35638

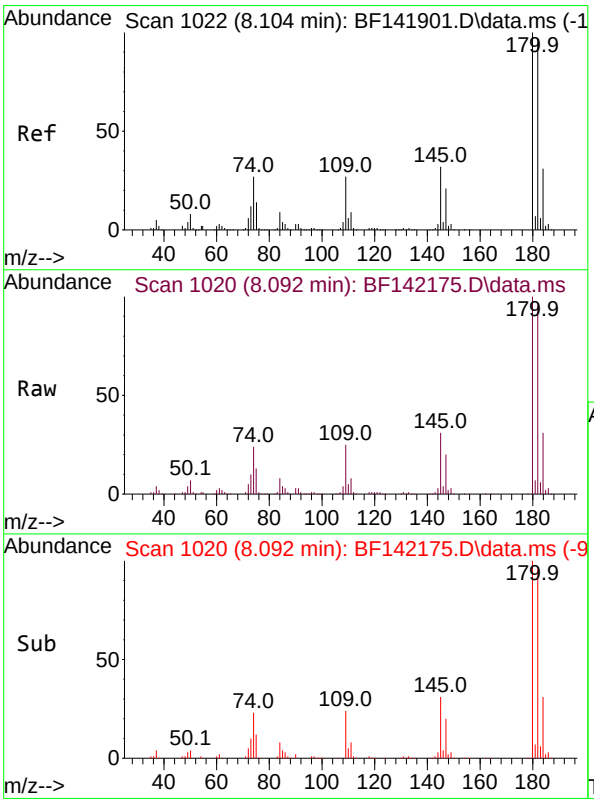
Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.8	83.8
98	36.5	18.1	58.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

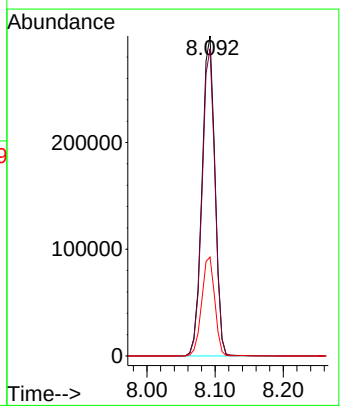
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

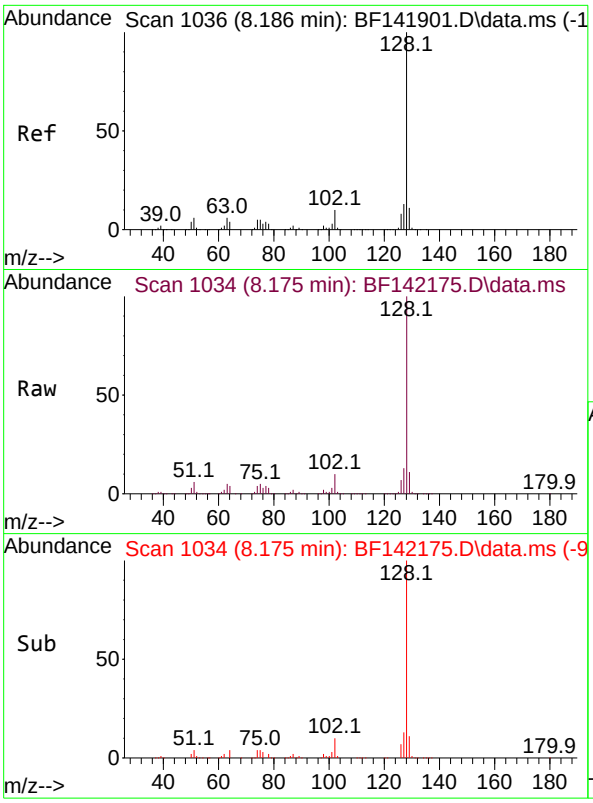


#30
1,2,4-Trichlorobenzene
Concen: 41.132 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:180 Resp: 396543

Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.5	116.3
145	30.9	25.8	38.6

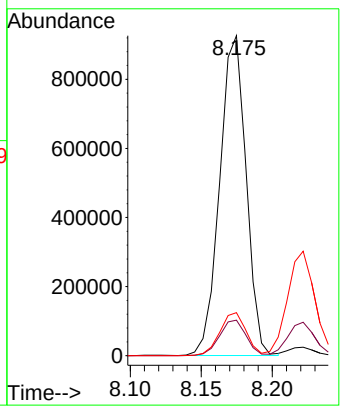




#31
Naphthalene
Concen: 39.479 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:128 Resp: 119724

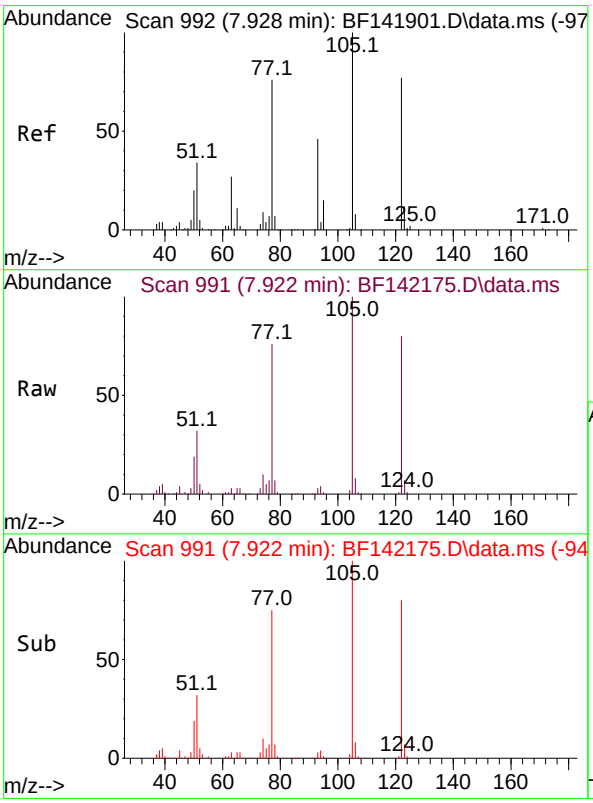
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.4	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

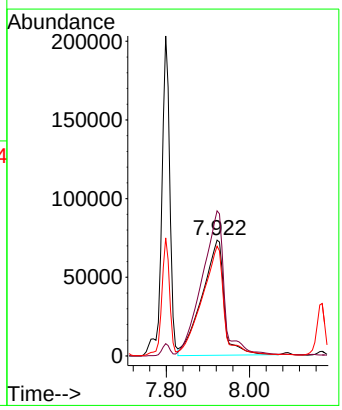
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

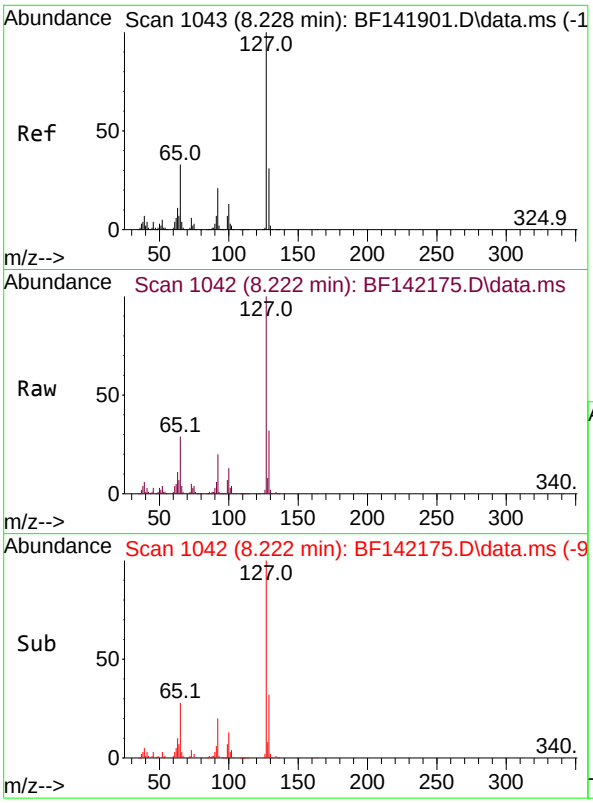


#32
Benzoic acid
Concen: 43.457 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:122 Resp: 269230

Ion	Ratio	Lower	Upper
122	100		
105	125.2	107.9	147.9
77	94.8	79.0	119.0

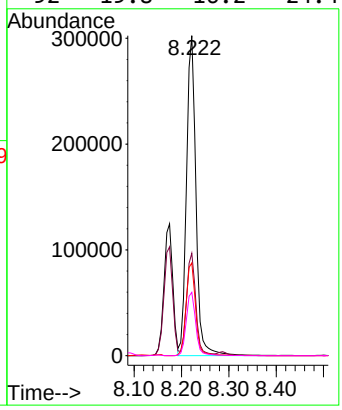




#33
4-Chloroaniline
Concen: 39.211 ng
RT: 8.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:127 Resp: 41976

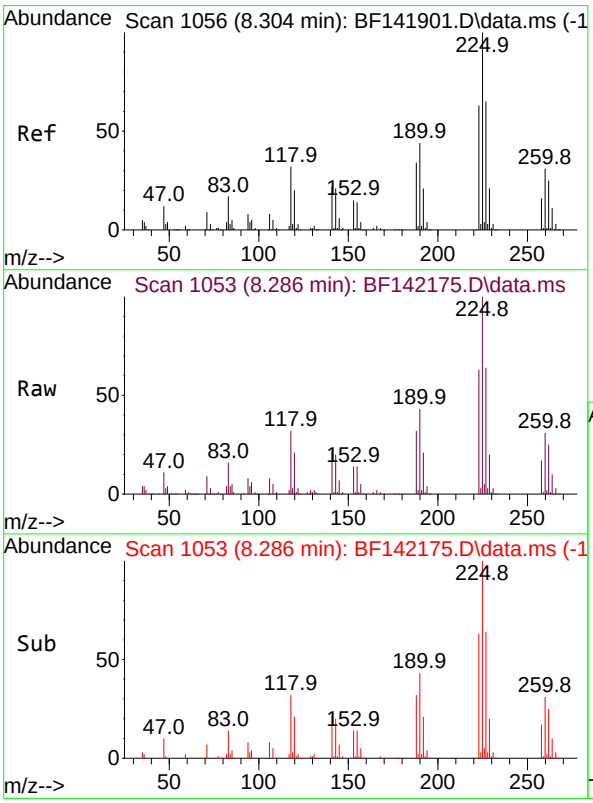
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.2	39.4
65	29.0	25.4	38.2
92	19.8	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

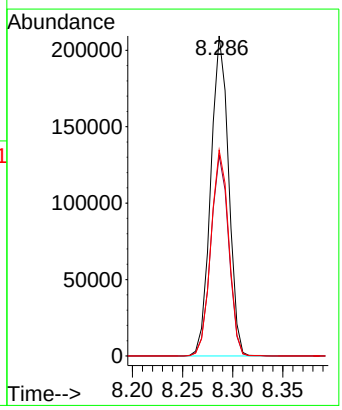
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

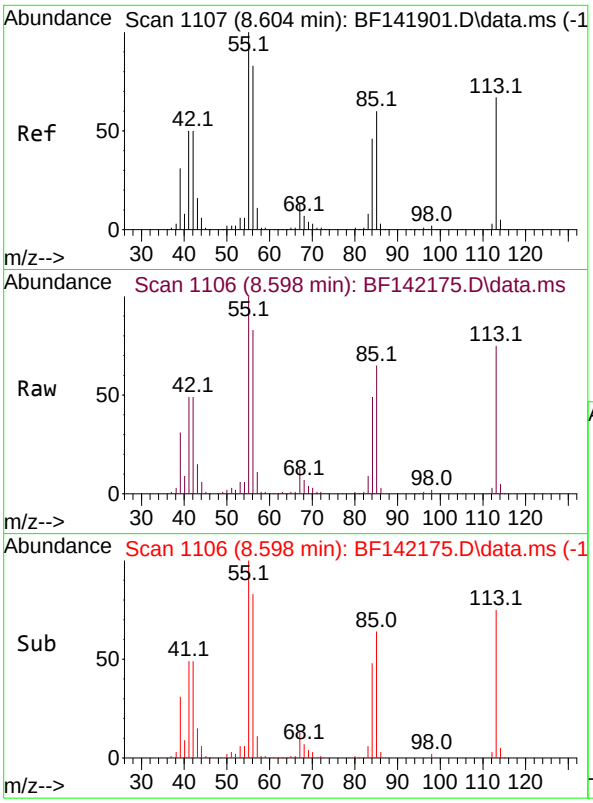


#34
Hexachlorobutadiene
Concen: 41.154 ng
RT: 8.286 min Scan# 1053
Delta R.T. -0.018 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:225 Resp: 258743

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	75.8
227	64.4	52.2	78.2

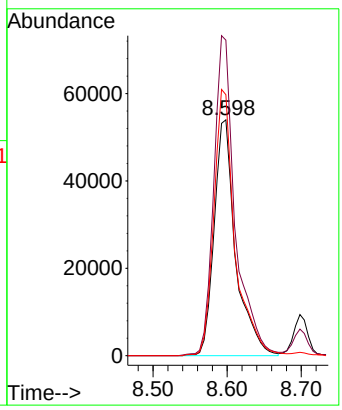




#35
Caprolactam
Concen: 40.767 ng
RT: 8.598 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:113 Resp: 10872

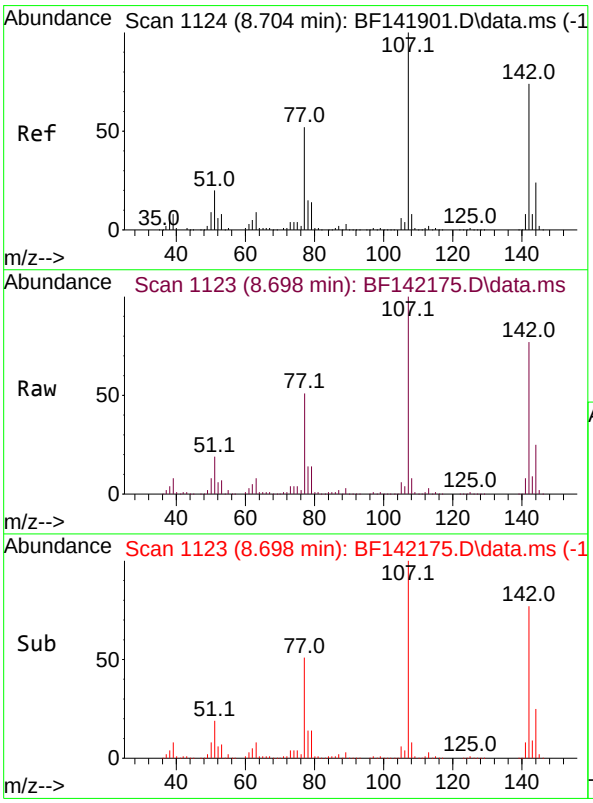
Ion	Ratio	Lower	Upper
113	100		
55	133.8	129.6	169.6
56	110.7	104.0	144.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

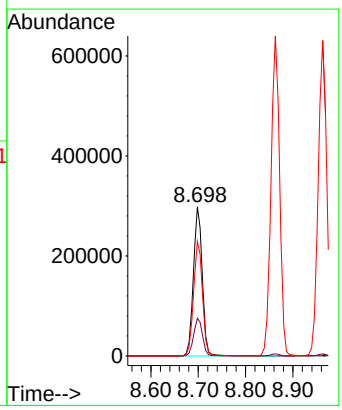
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

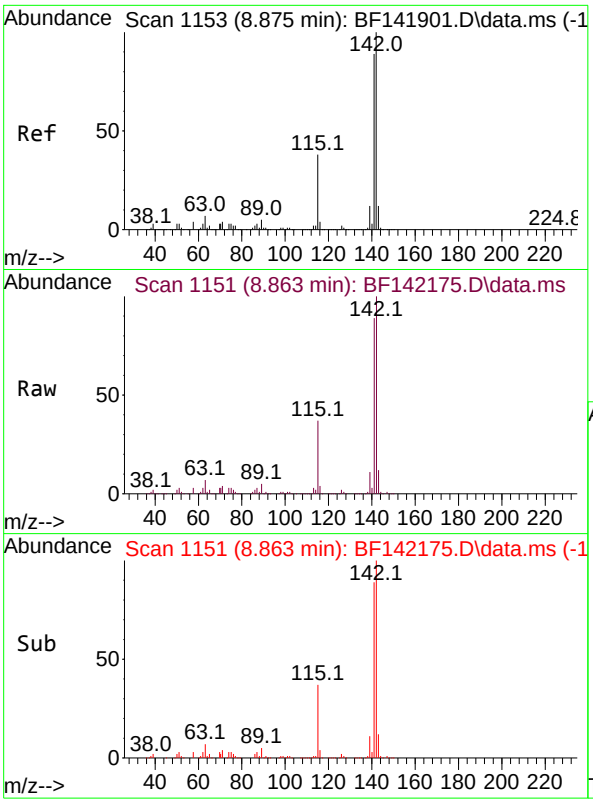


#36
4-Chloro-3-methylphenol
Concen: 39.734 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:107 Resp: 387742

Ion	Ratio	Lower	Upper
107	100		
144	25.3	19.0	28.6
142	76.9	59.2	88.8

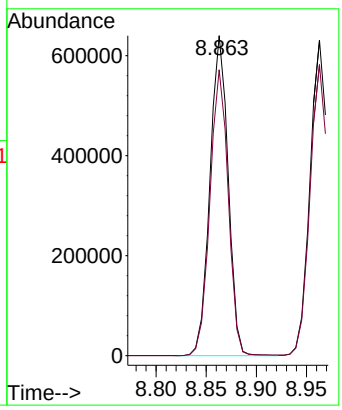




#37
2-Methylnaphthalene
Concen: 39.887 ng
RT: 8.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:142 Resp: 80850

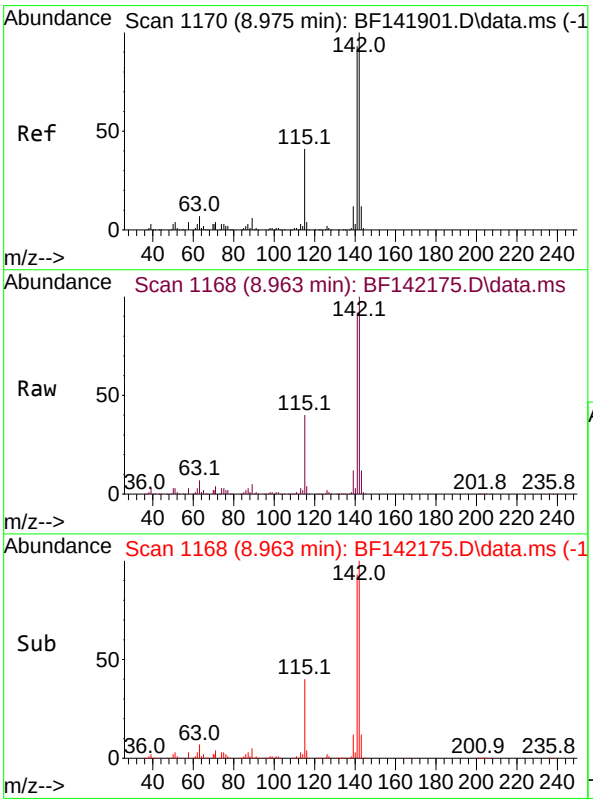
Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.2	106.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

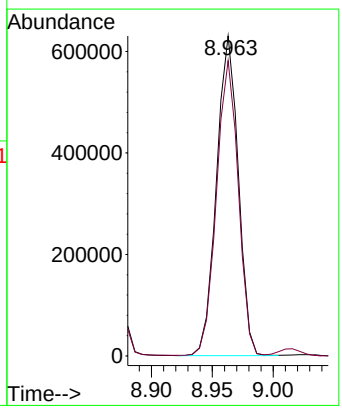
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

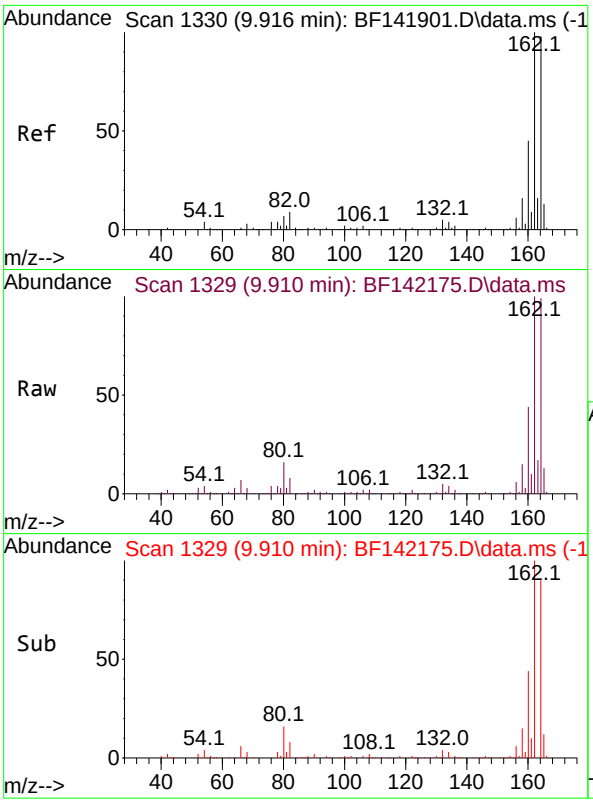


#38
1-Methylnaphthalene
Concen: 40.084 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:142 Resp: 784063

Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.2	111.4

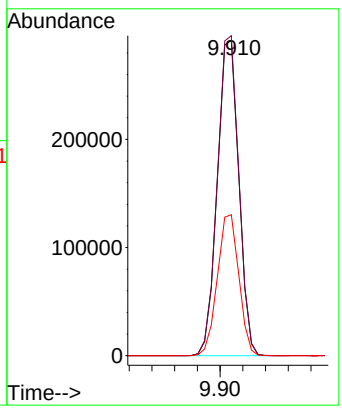




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:164 Resp: 38294

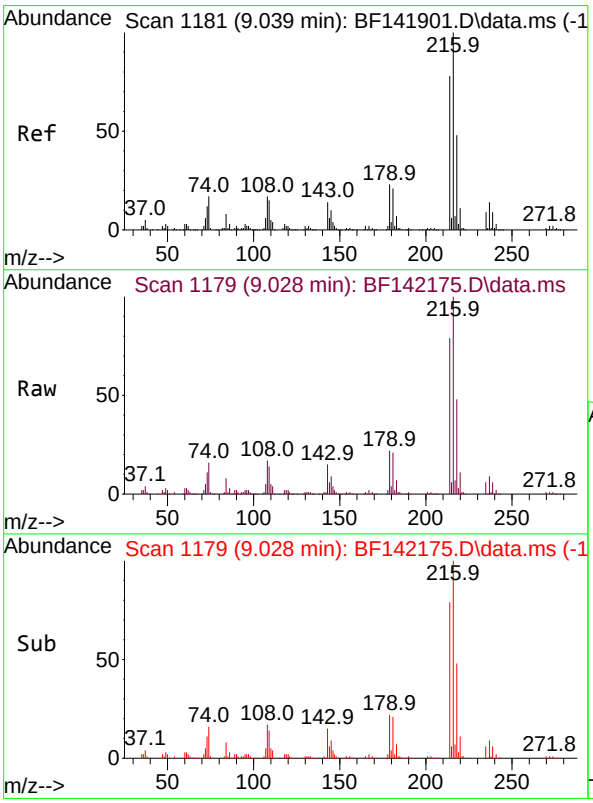
Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.8	122.6
160	44.7	36.7	55.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

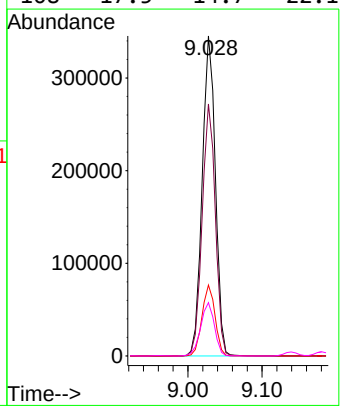
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

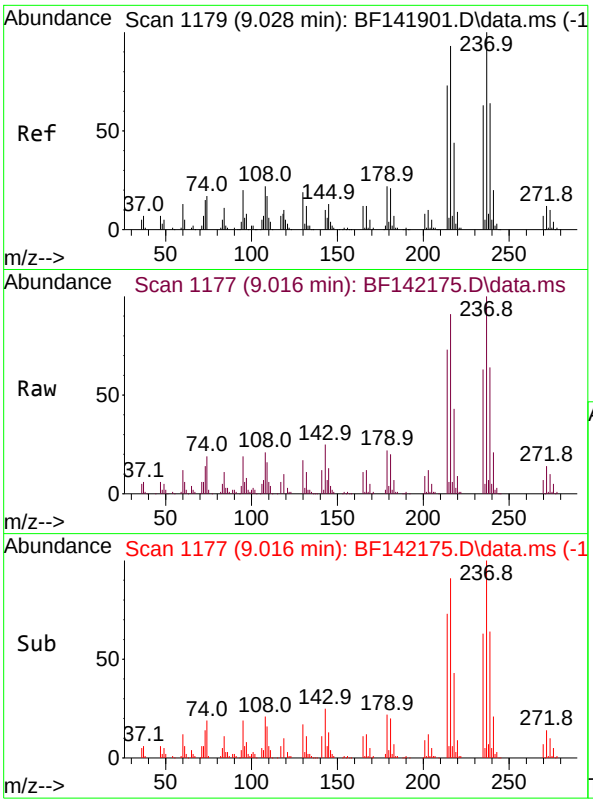


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.601 ng
RT: 9.028 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:216 Resp: 426726

Ion	Ratio	Lower	Upper
216	100		
214	78.7	61.9	92.9
179	22.0	18.1	27.1
108	17.5	14.7	22.1





#41
Hexachlorocyclopentadiene
Concen: 32.662 ng
RT: 9.016 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

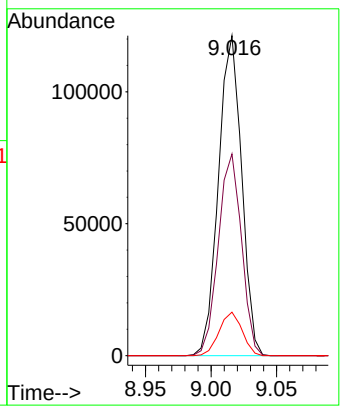
Tgt Ion:237 Resp: 14903

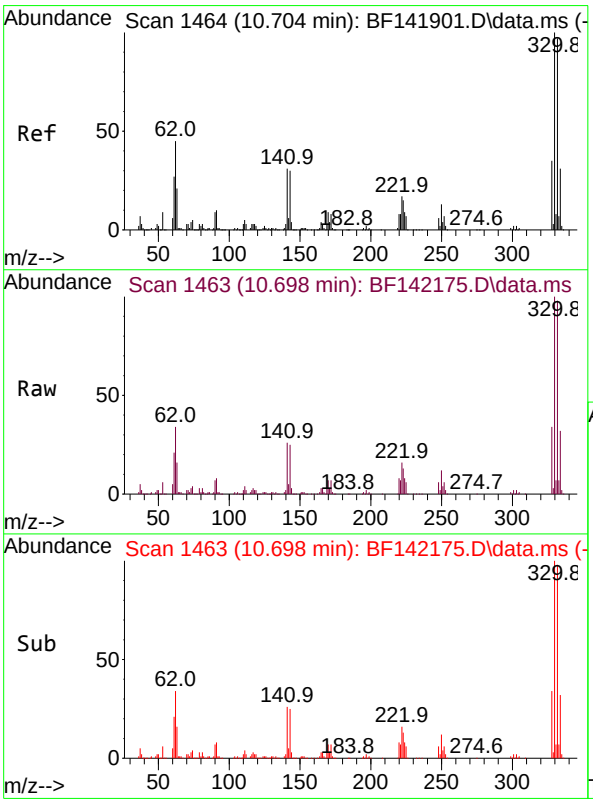
Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.1	83.1
272	13.6	0.0	32.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

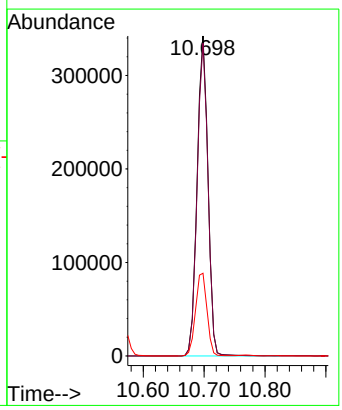


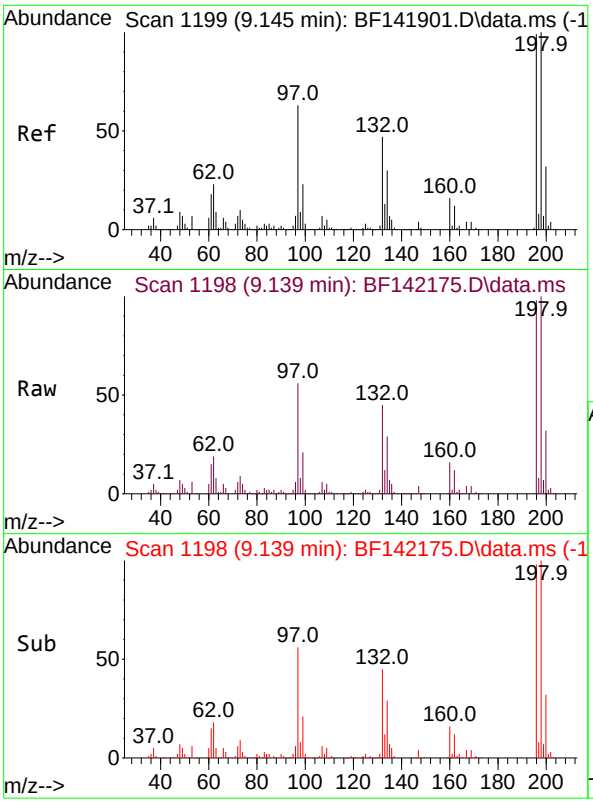


#42
2,4,6-Tribromophenol
Concen: 87.312 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:330 Resp: 424168

Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.6	116.4
141	27.4	24.7	37.1

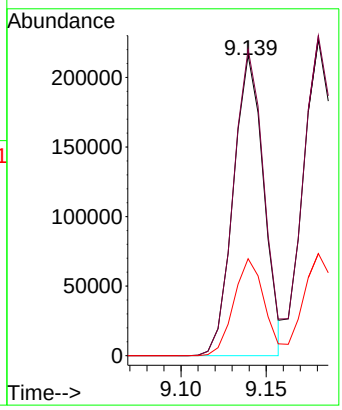




#43
2,4,6-Trichlorophenol
Concen: 35.144 ng
RT: 9.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:196 Resp: 26778

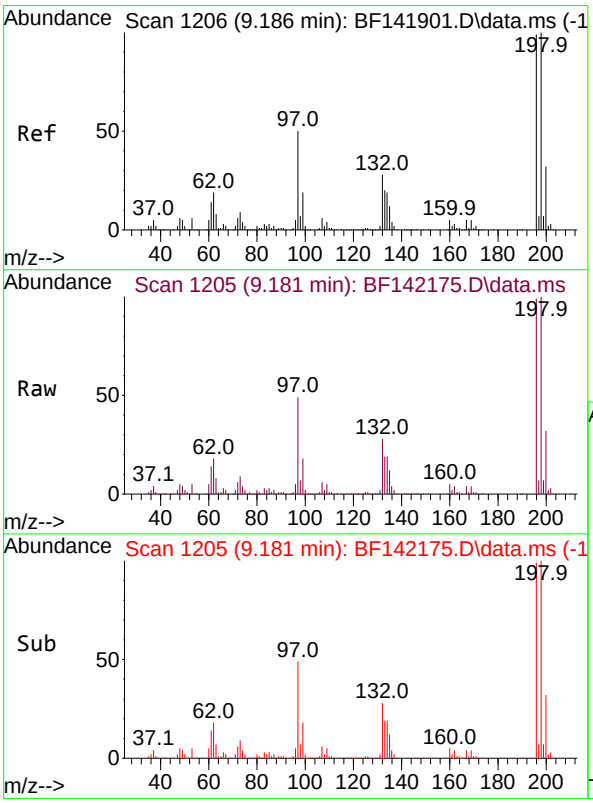
Ion	Ratio	Lower	Upper
196	100		
198	102.0	80.6	121.0
200	32.2	25.8	38.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

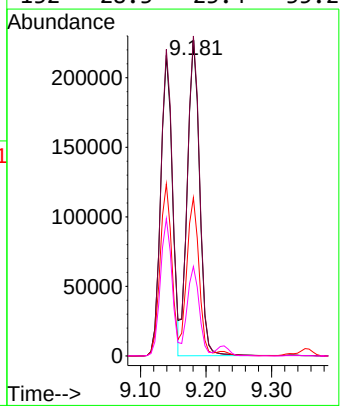
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

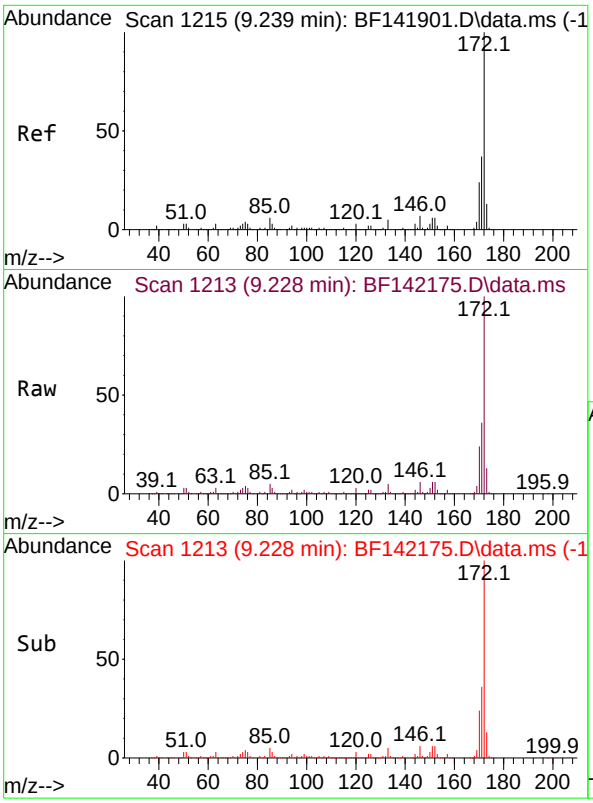


#44
2,4,5-Trichlorophenol
Concen: 38.178 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:196 Resp: 294625

Ion	Ratio	Lower	Upper
196	100		
198	101.2	80.7	121.1
97	50.1	42.1	63.1
132	28.3	23.4	35.2

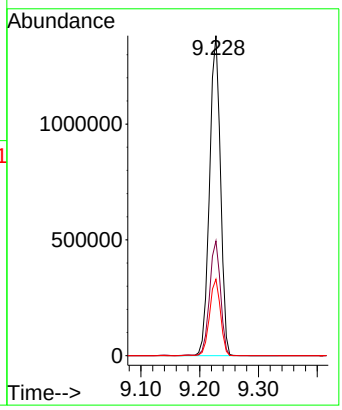




#45
2-Fluorobiphenyl
Concen: 71.051 ng
RT: 9.228 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:172 Resp: 178906

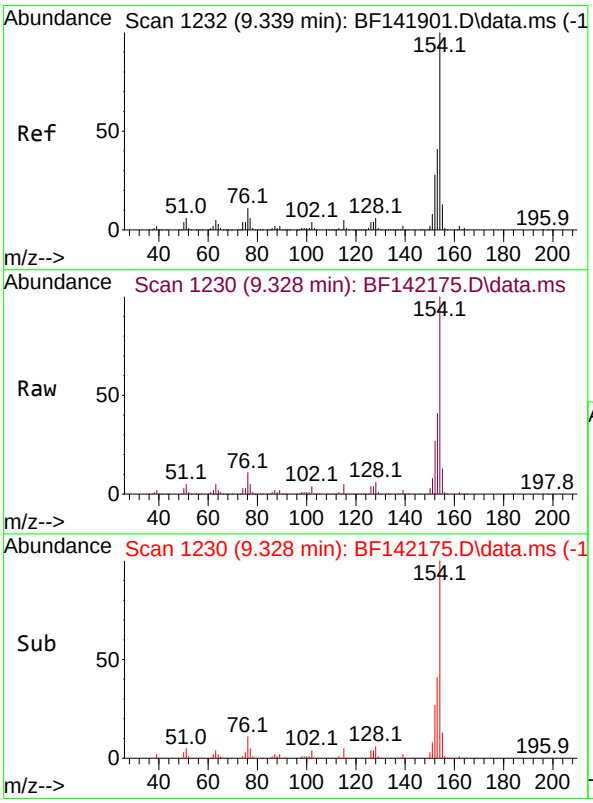
Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.3	43.9
170	23.9	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

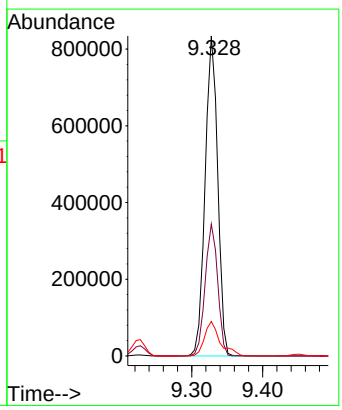
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

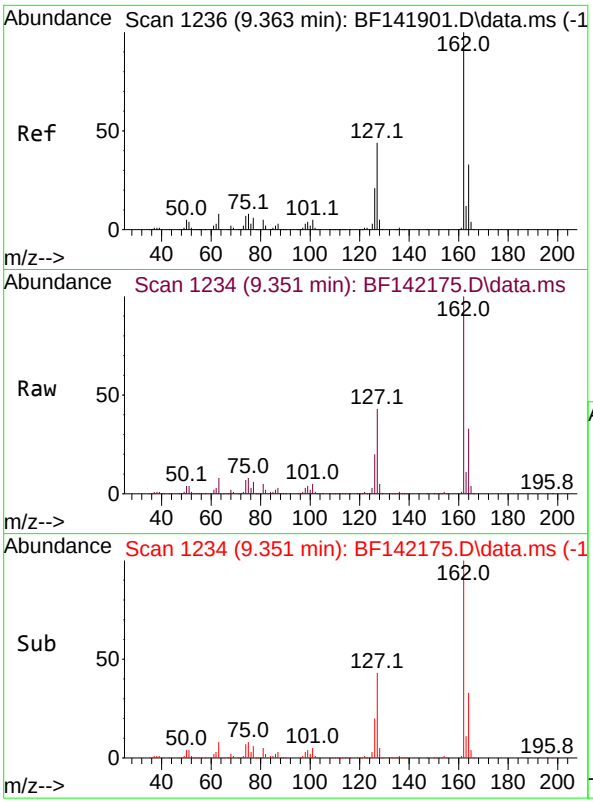


#46
1,1'-Biphenyl
Concen: 35.393 ng
RT: 9.328 min Scan# 1230
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:154 Resp: 1029821

Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.1	61.1
76	10.7	0.0	31.3

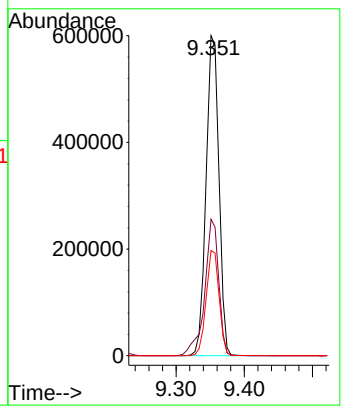




#47
2-Chloronaphthalene
Concen: 36.389 ng
RT: 9.351 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

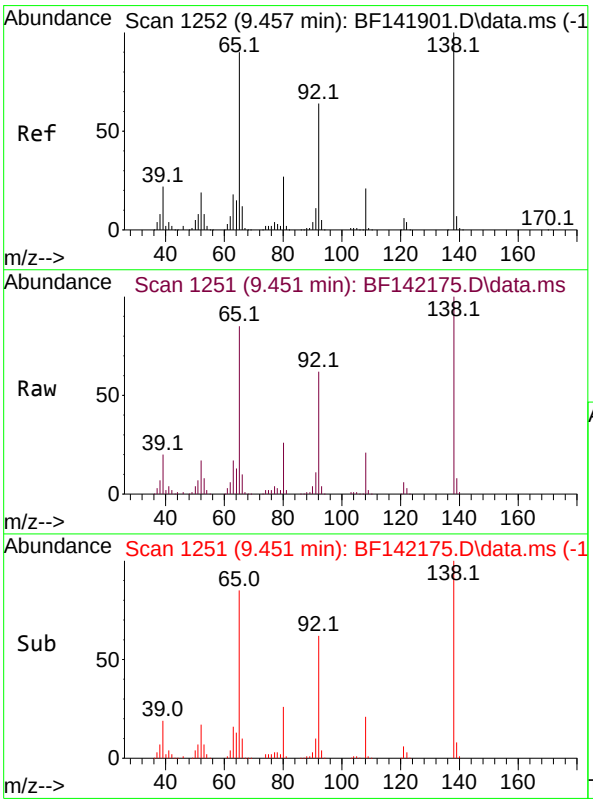
Tgt Ion:162 Resp: 78916

Ion	Ratio	Lower	Upper
162	100		
127	42.6	35.5	53.3
164	32.8	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

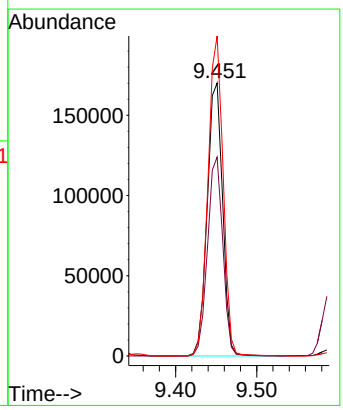
Manual Integrations
APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

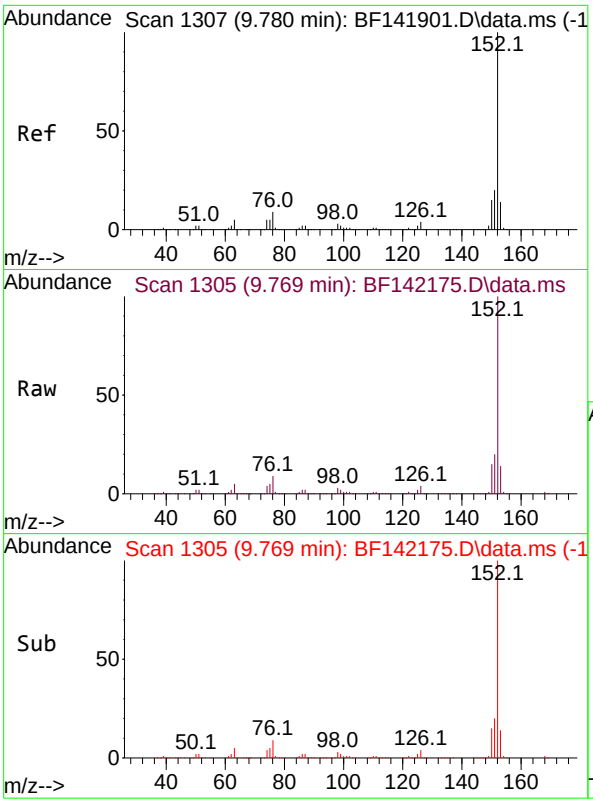


#48
2-Nitroaniline
Concen: 35.630 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion: 65 Resp: 223730

Ion	Ratio	Lower	Upper
65	100		
92	72.8	56.6	84.8
138	117.2	88.6	133.0

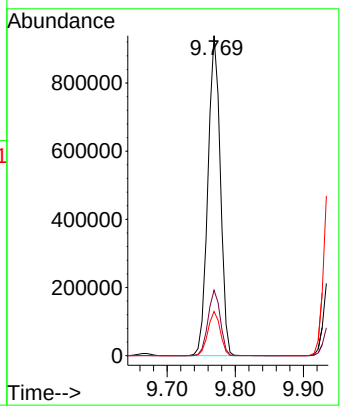




#49
Acenaphthylene
Concen: 36.904 ng
RT: 9.769 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:152 Resp: 118767

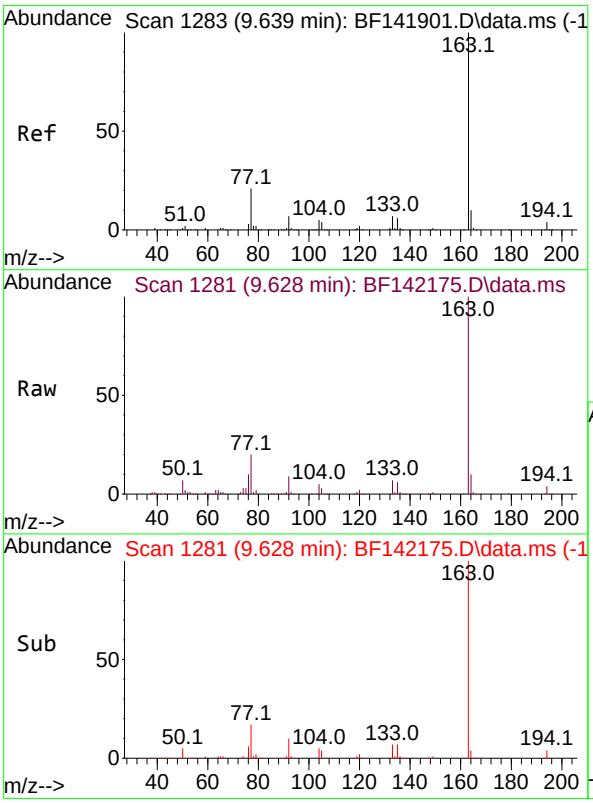
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.8	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

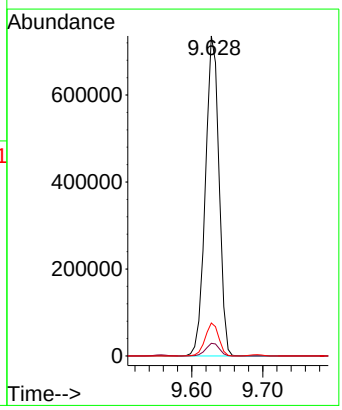
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

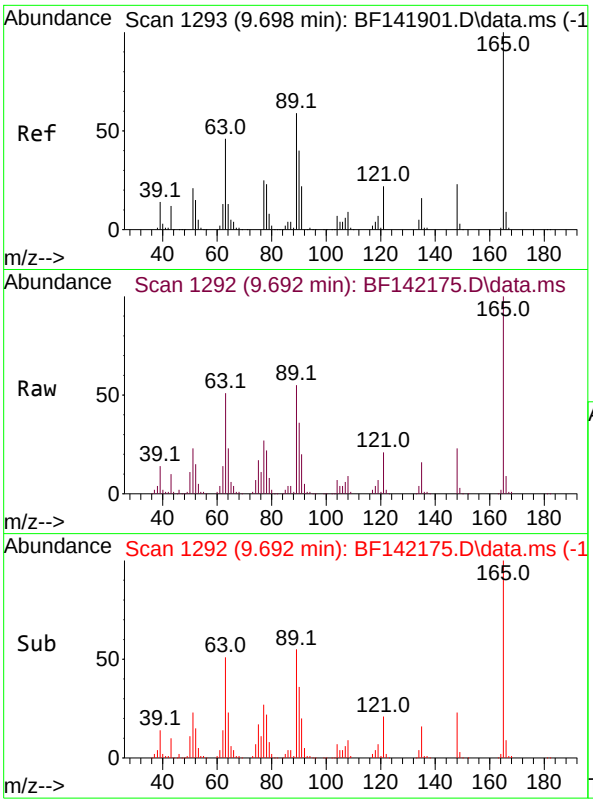


#50
Dimethylphthalate
Concen: 36.659 ng
RT: 9.628 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:163 Resp: 983065

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.3	8.2	12.4





#51
2,6-Dinitrotoluene
Concen: 38.094 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

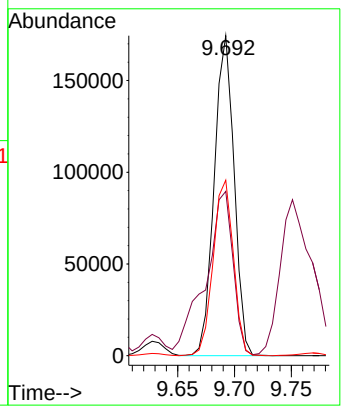
Tgt Ion:165 Resp: 21269

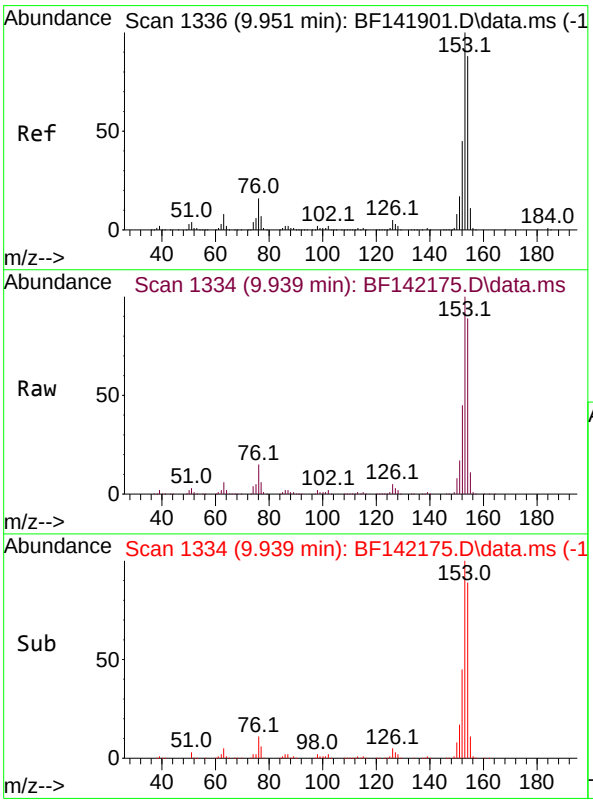
Ion	Ratio	Lower	Upper
165	100		
63	51.3	47.0	70.4
89	54.9	47.4	71.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

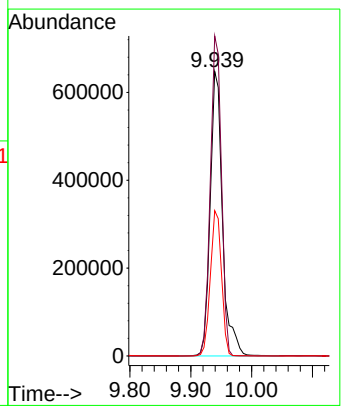


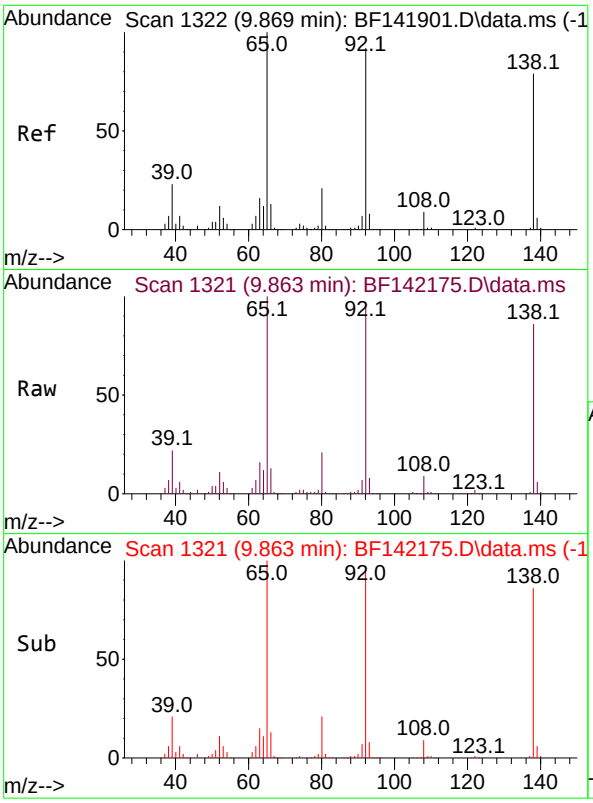


#52
Acenaphthene
Concen: 40.226 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:154 Resp: 909759

Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.7	136.1
152	51.1	41.1	61.7





#53
3-Nitroaniline
Concen: 40.552 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

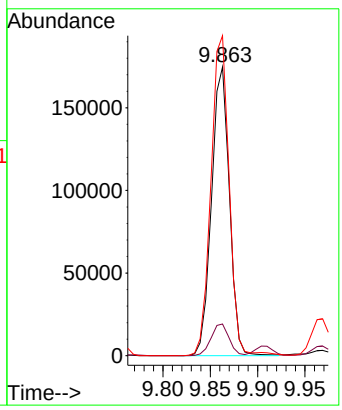
Tgt Ion:138 Resp: 22967

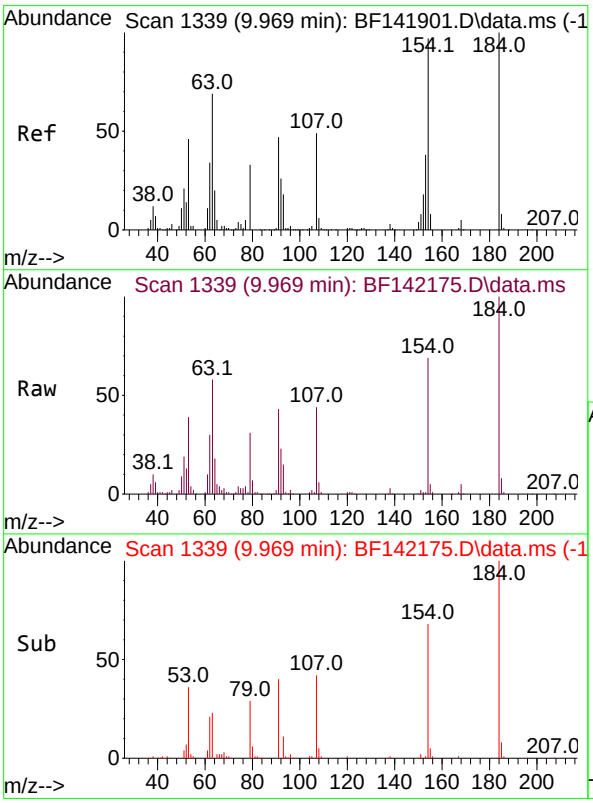
Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.3	13.9
92	110.8	93.5	140.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

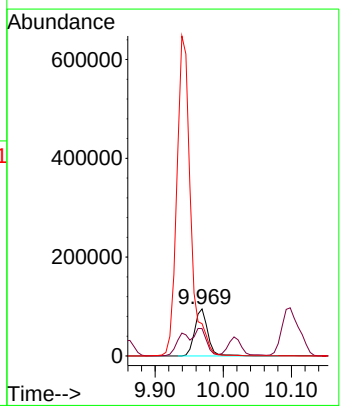


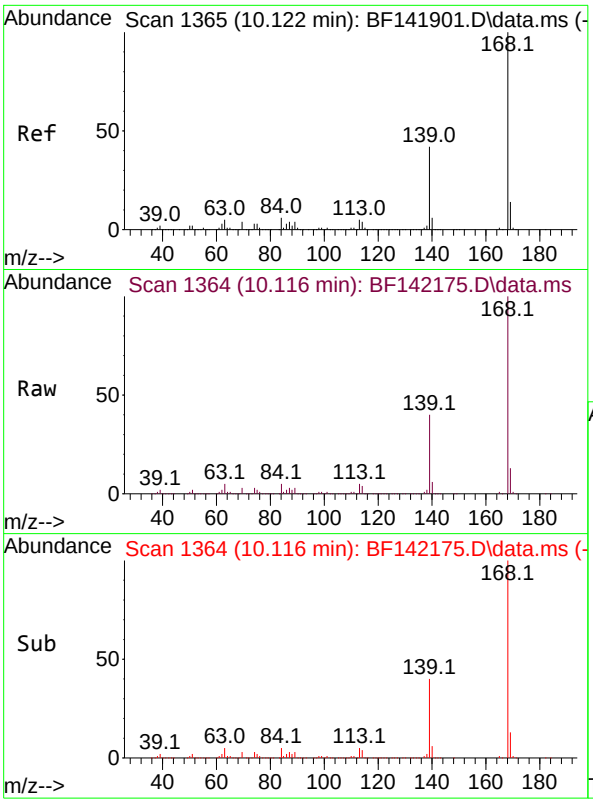


#54
2,4-Dinitrophenol
Concen: 43.261 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:184 Resp: 126805

Ion	Ratio	Lower	Upper
184	100		
63	58.1	60.2	90.4#
154	68.6	132.9	199.3#

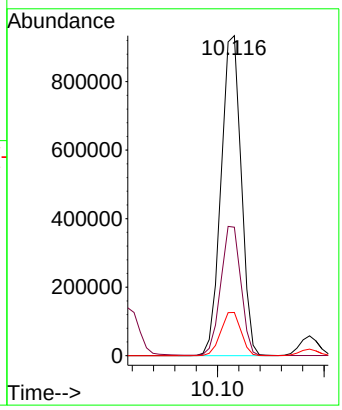




#55
Dibenzofuran
Concen: 37.893 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:168 Resp: 122457

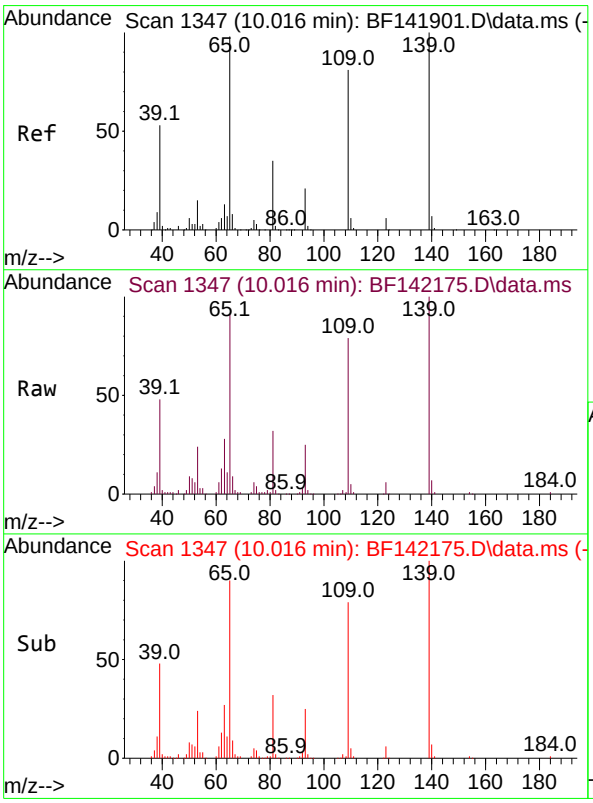
Ion	Ratio	Lower	Upper
168	100		
139	40.2	33.9	50.9
169	13.5	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

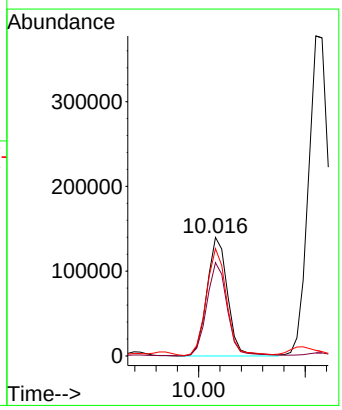
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

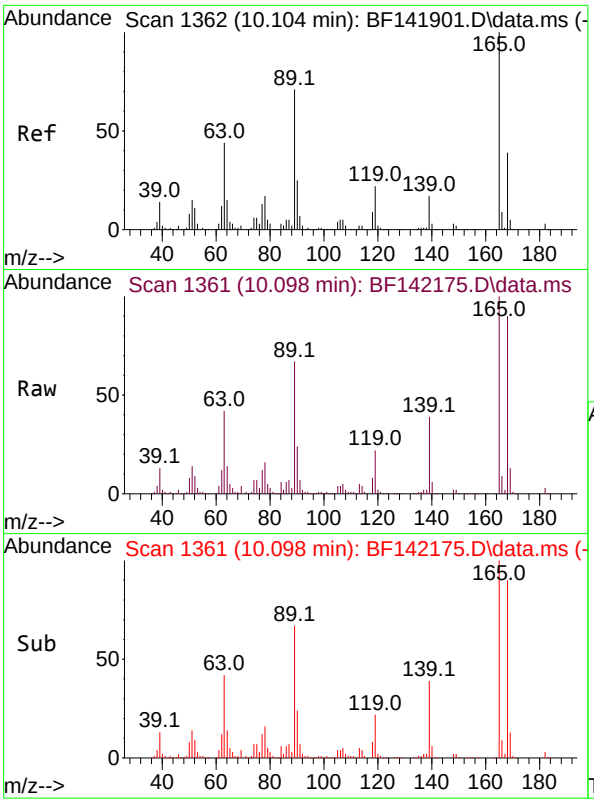


#56
4-Nitrophenol
Concen: 43.898 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:139 Resp: 187493

Ion	Ratio	Lower	Upper
139	100		
109	78.7	61.6	101.6
65	90.5	79.4	119.4

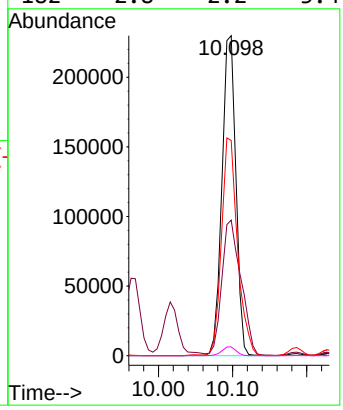




#57
2,4-Dinitrotoluene
Concen: 41.216 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:165 Resp: 30057

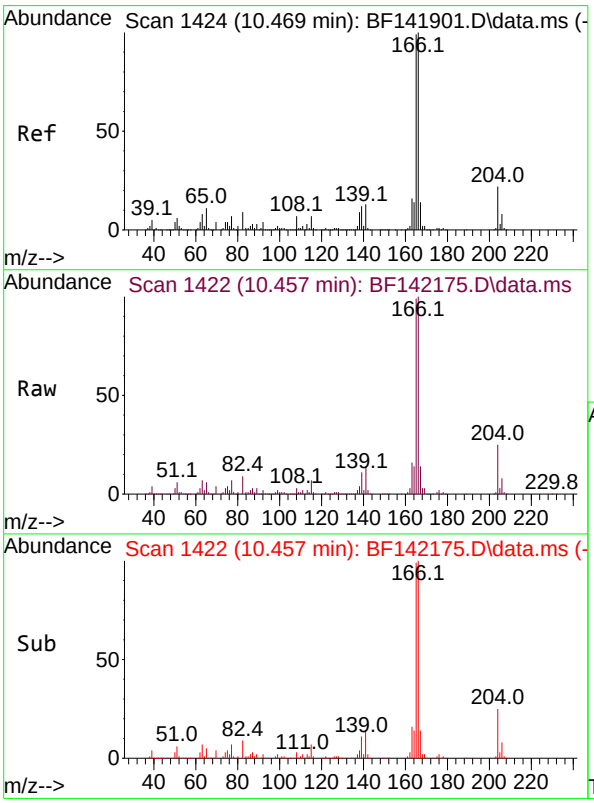
Ion	Ratio	Lower	Upper
165	100		
63	42.4	35.4	53.2
89	67.3	56.6	84.8
182	2.8	2.2	3.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

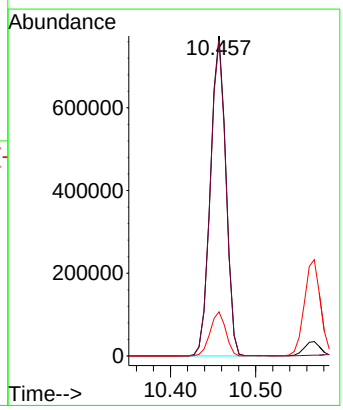
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

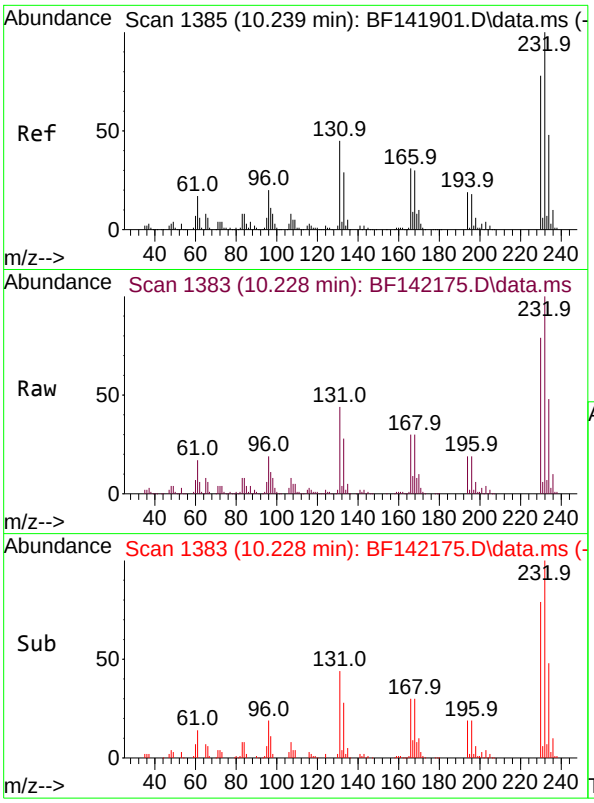


#58
Fluorene
Concen: 39.084 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:166 Resp: 974033

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.0	118.4
167	13.8	11.0	16.4

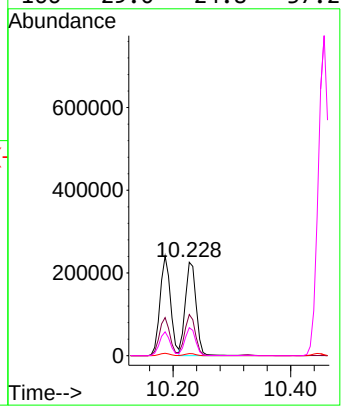




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.279 ng
RT: 10.228 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:232 Resp: 28987

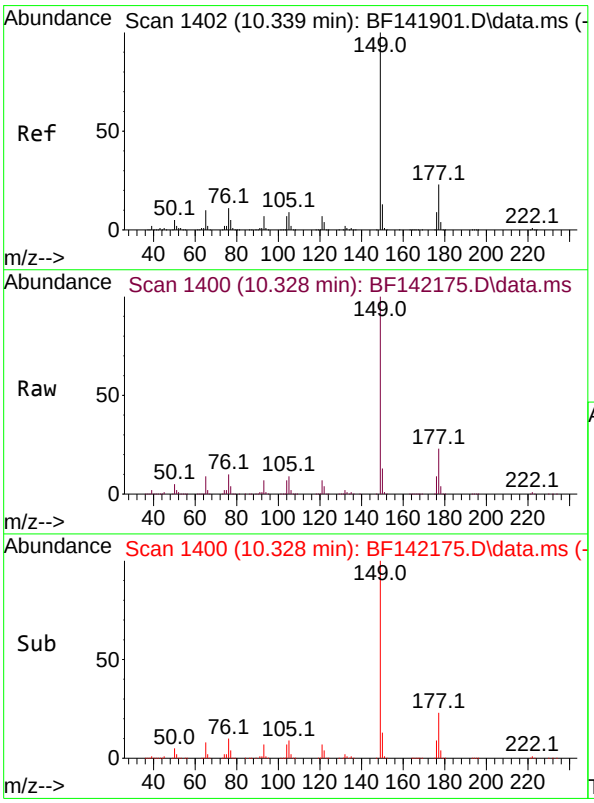
Ion	Ratio	Lower	Upper
232	100		
131	43.1	37.3	55.9
130	2.2	1.9	2.9
166	29.0	24.8	37.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

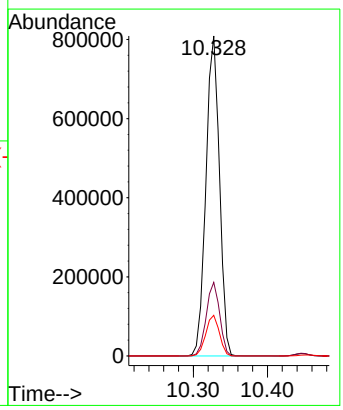
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

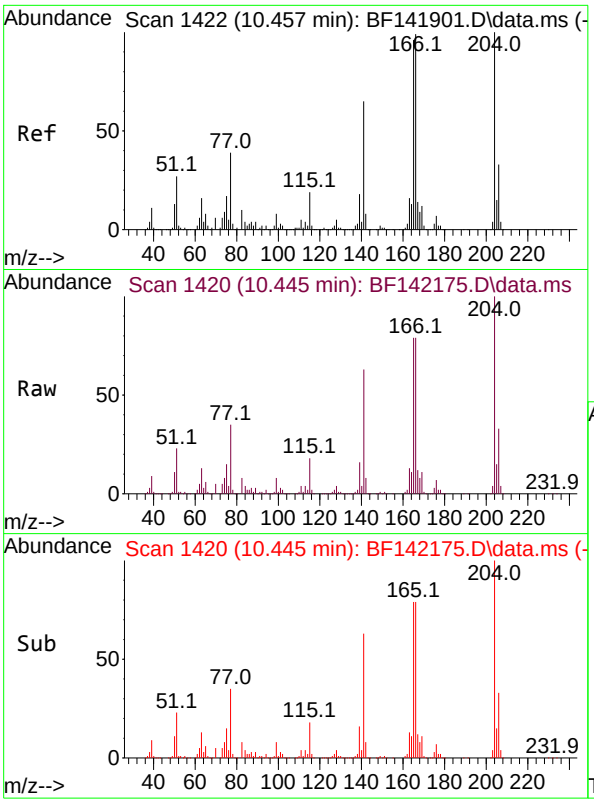


#60
Diethylphthalate
Concen: 38.310 ng
RT: 10.328 min Scan# 1400
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:149 Resp: 1024395

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.0	27.0
150	12.7	10.2	15.4

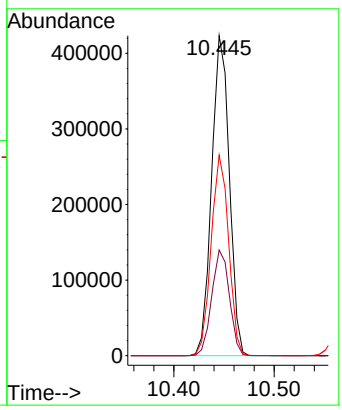




#61
4-Chlorophenyl-phenylether
Concen: 39.842 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:204 Resp: 51765

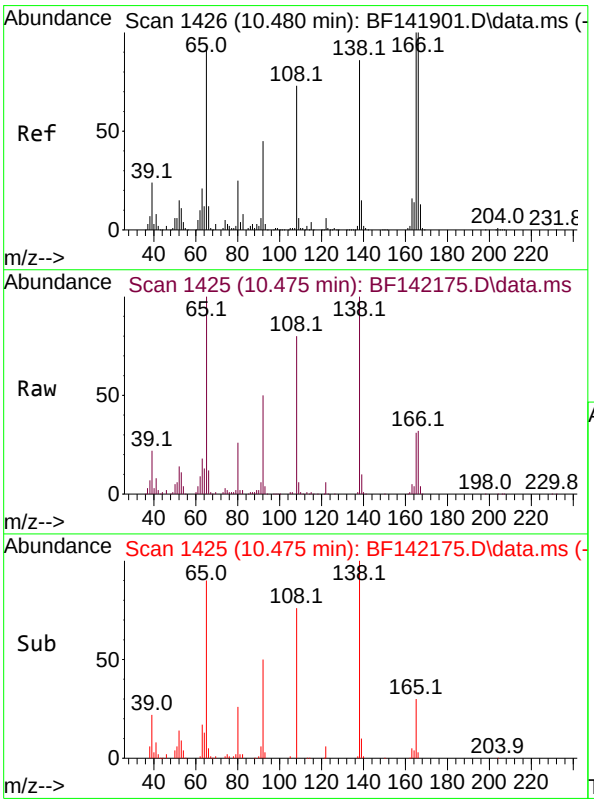
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.8	40.2
141	62.7	52.4	78.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

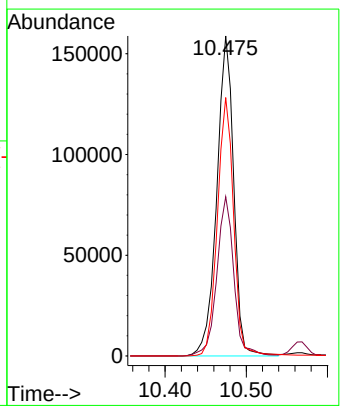
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

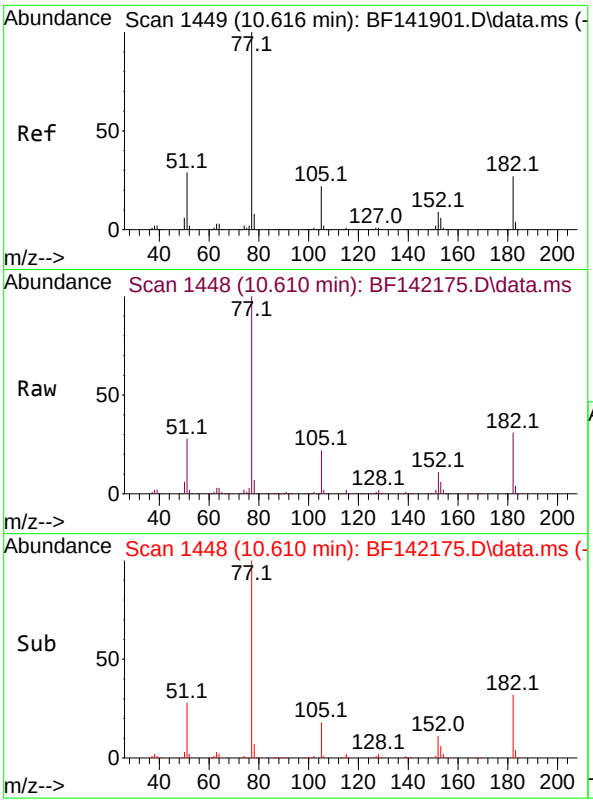


#62
4-Nitroaniline
Concen: 41.874 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:138 Resp: 230890

Ion	Ratio	Lower	Upper
138	100		
92	49.7	32.6	72.6
108	80.8	65.0	105.0

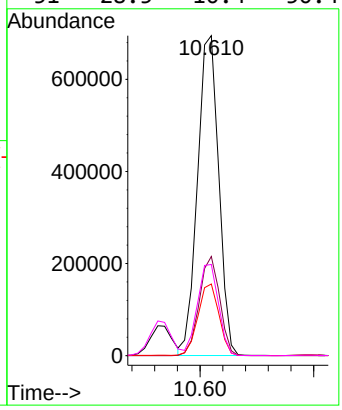




#63
Azobenzene
Concen: 36.260 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion: 77 Resp: 90140

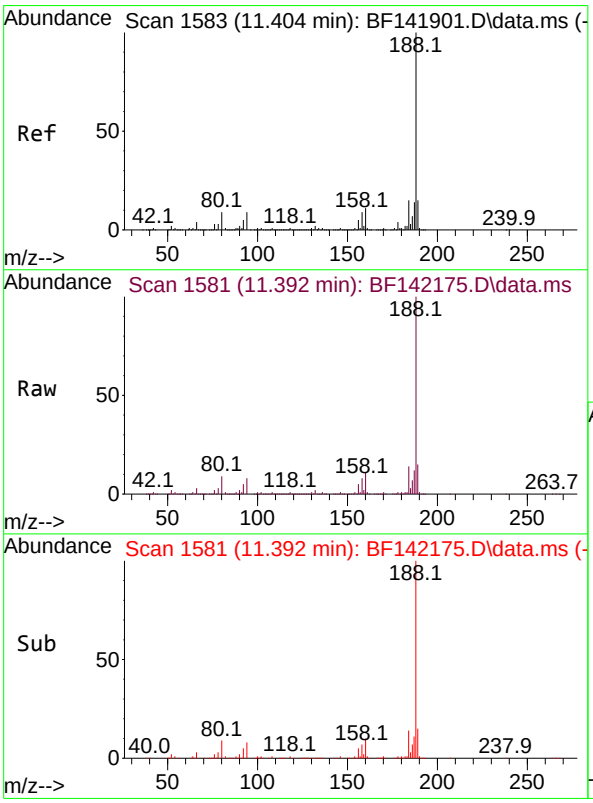
Ion	Ratio	Lower	Upper
77	100		
182	31.0	6.6	46.6
105	22.4	1.3	41.3
51	28.5	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

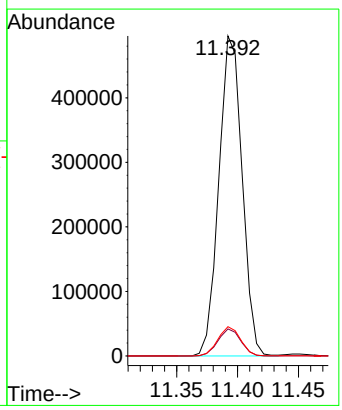
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

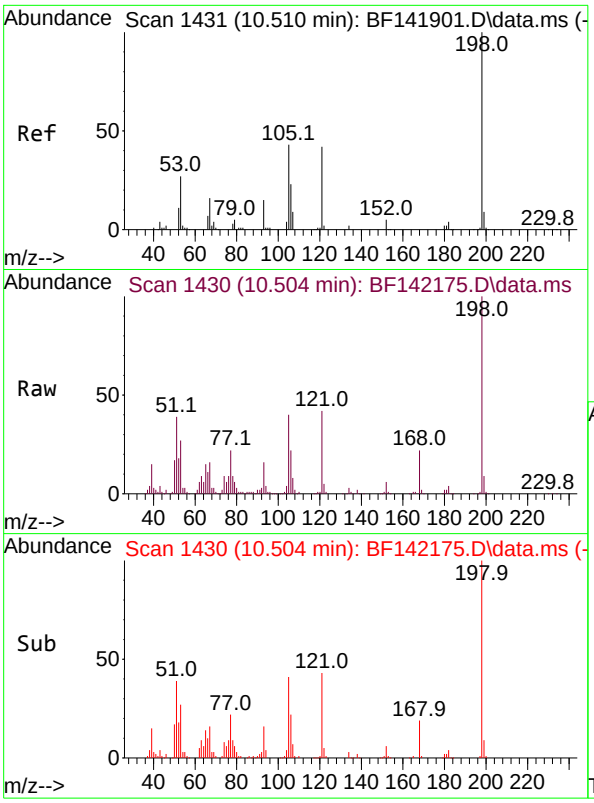


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:188 Resp: 658962

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.8	10.2
80	9.2	7.6	11.4

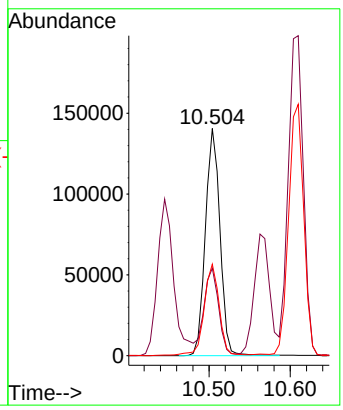




#65
4,6-Dinitro-2-methylphenol
Concen: 44.534 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:198 Resp: 17494

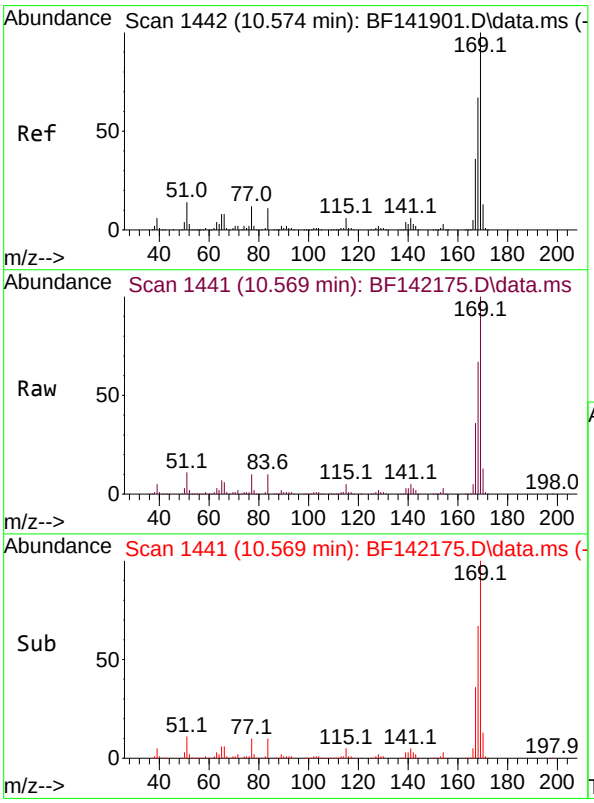
Ion	Ratio	Lower	Upper
198	100		
51	38.5	22.3	62.3
105	40.3	23.0	63.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

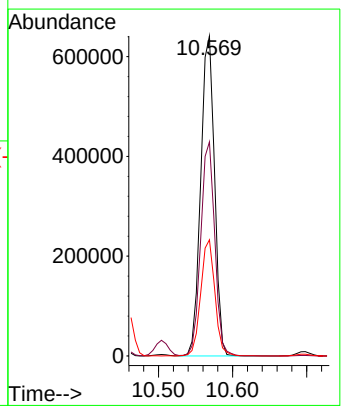
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

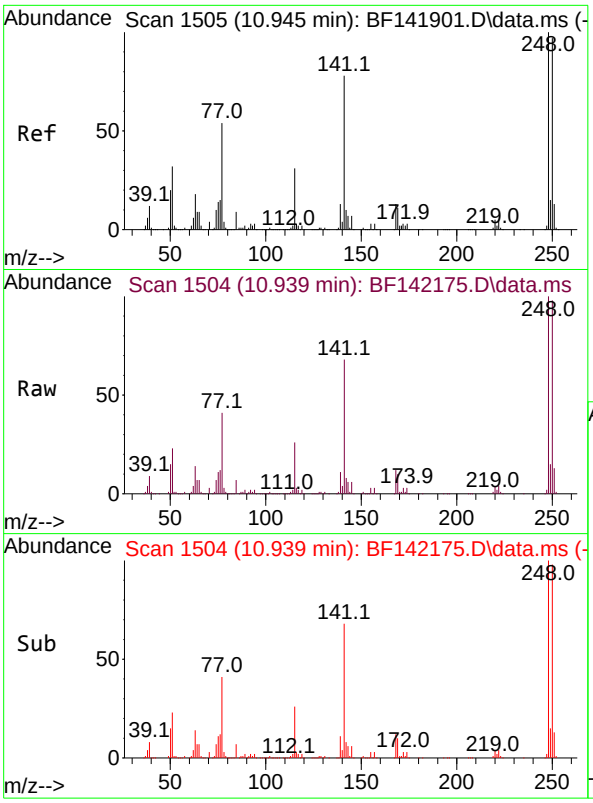


#66
n-Nitrosodiphenylamine
Concen: 38.899 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:169 Resp: 829498

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.7	80.5
167	36.3	29.2	43.8

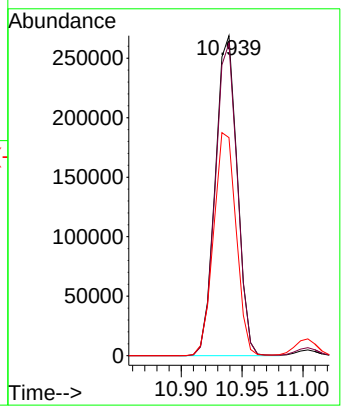




#67
4-Bromophenyl-phenylether
Concen: 40.962 ng
RT: 10.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:248 Resp: 33899

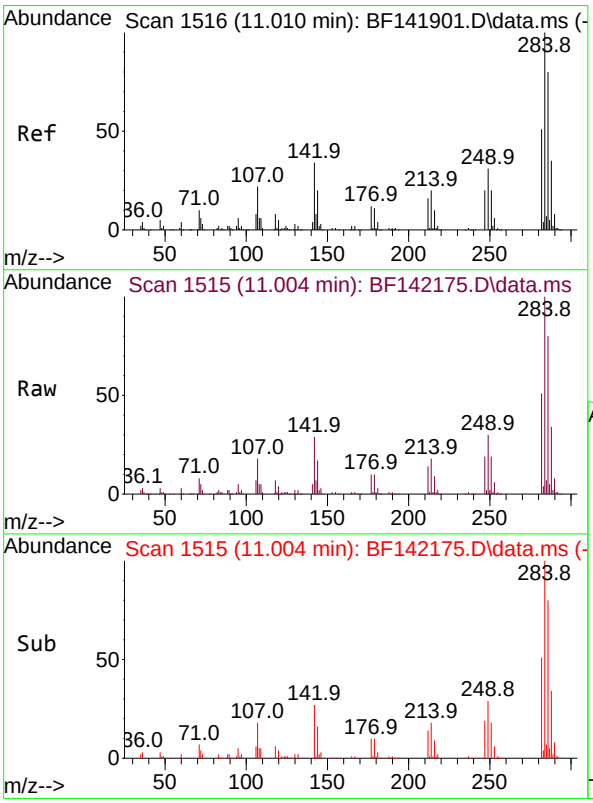
Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.8	116.8
141	68.2	62.6	93.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

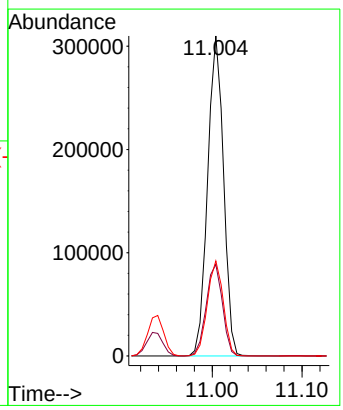
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

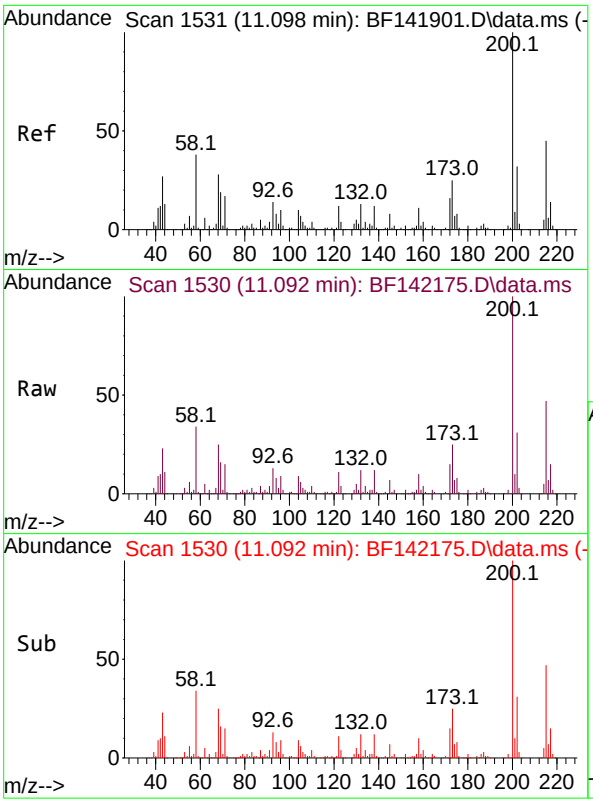


#68
Hexachlorobenzene
Concen: 41.994 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:284 Resp: 381167

Ion	Ratio	Lower	Upper
284	100		
142	28.6	27.0	40.6
249	29.7	25.2	37.8

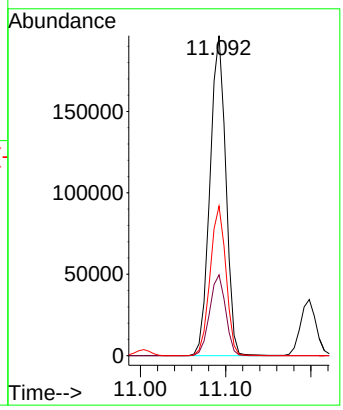




#69
Atrazine
Concen: 38.789 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:200 Resp: 25357

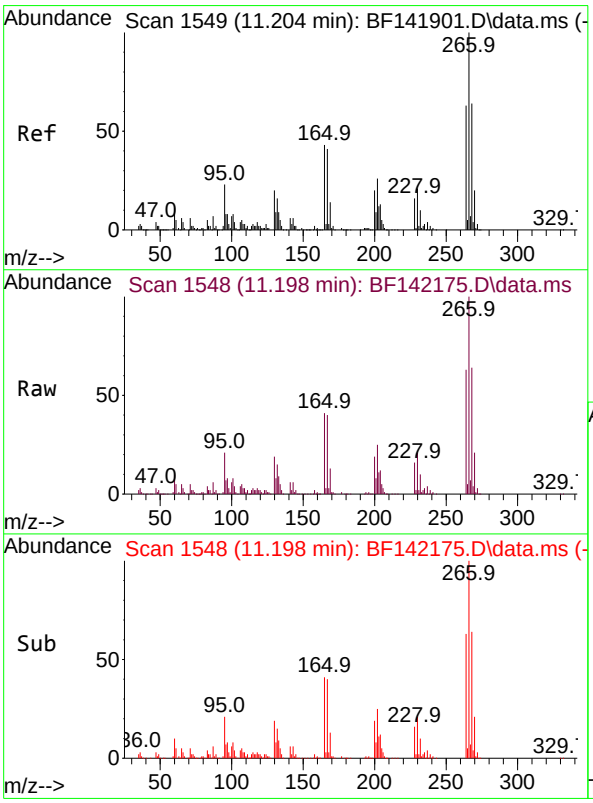
Ion	Ratio	Lower	Upper
200	100		
173	25.2	4.7	44.7
215	46.7	25.4	65.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

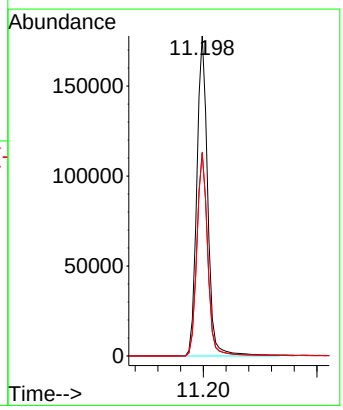
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

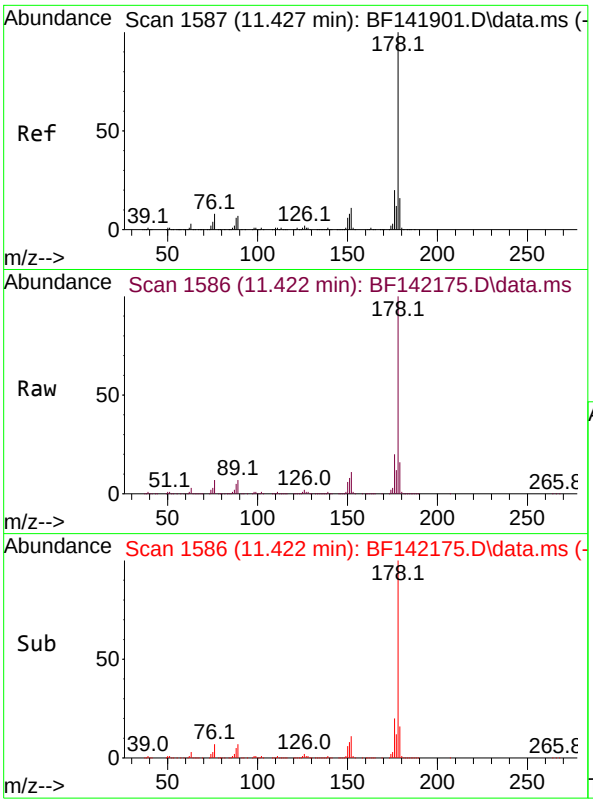


#70
Pentachlorophenol
Concen: 42.367 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:266 Resp: 236933

Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.0	76.6
264	63.5	50.2	75.2

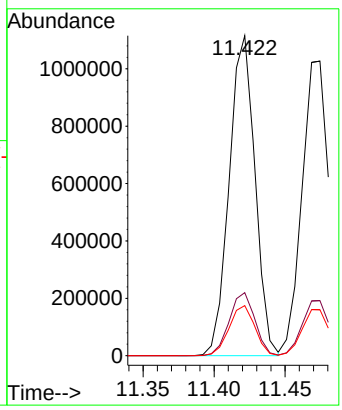




#71
Phenanthrene
Concen: 39.610 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:178 Resp: 140982

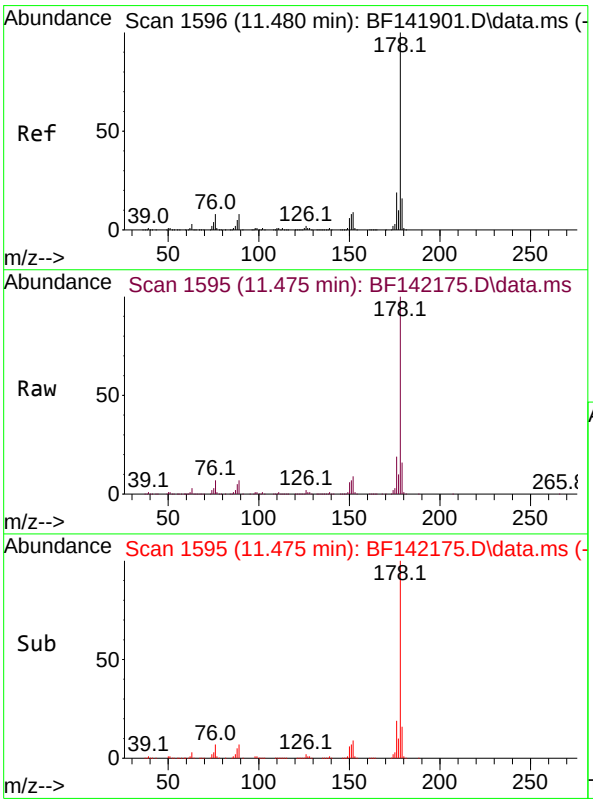
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.6	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

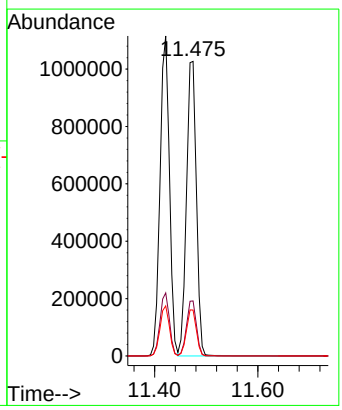
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

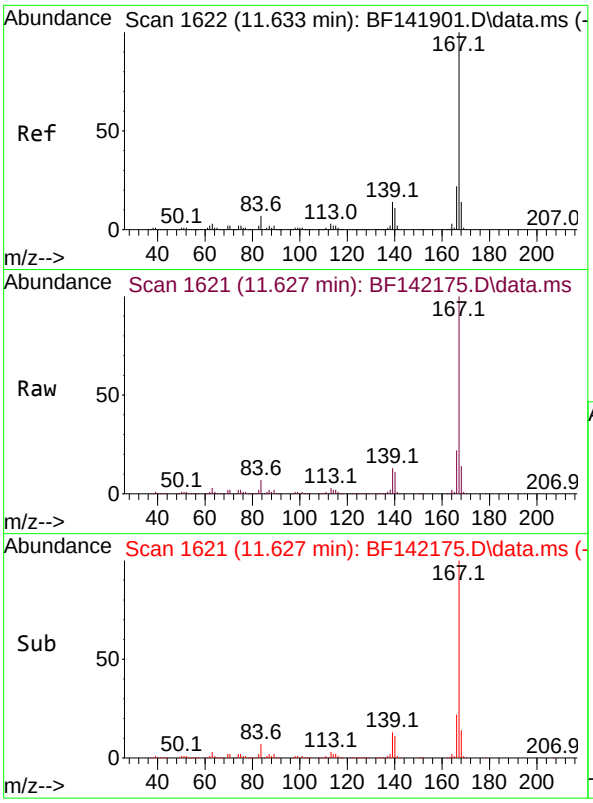


#72
Anthracene
Concen: 38.217 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:178 Resp: 1364675

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.6	12.6	19.0

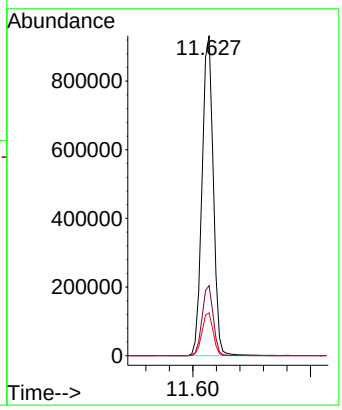




#73
Carbazole
Concen: 40.056 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:167 Resp: 123354

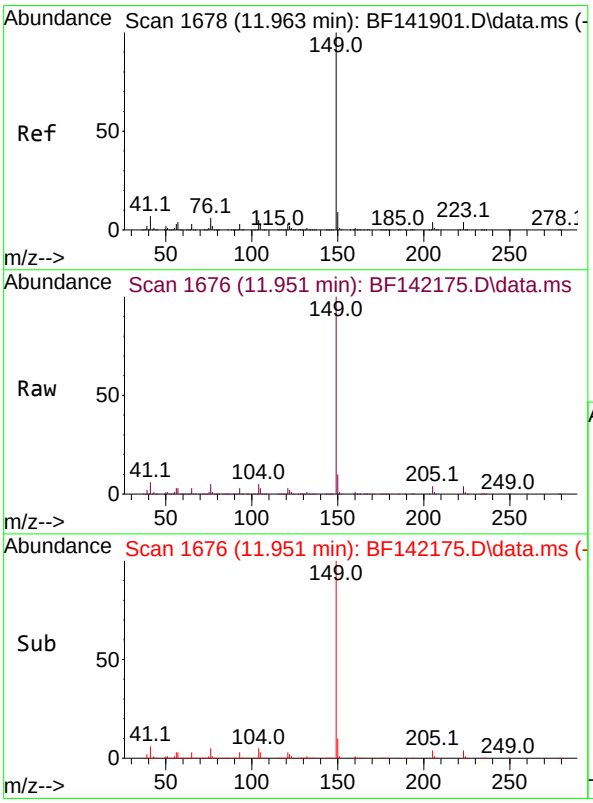
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.4	26.2
139	13.4	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

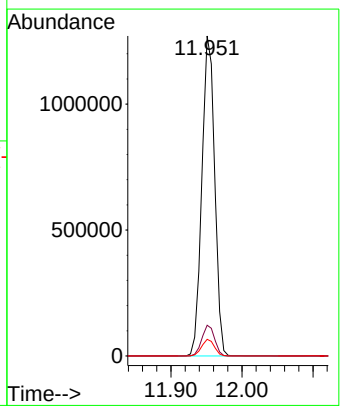
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

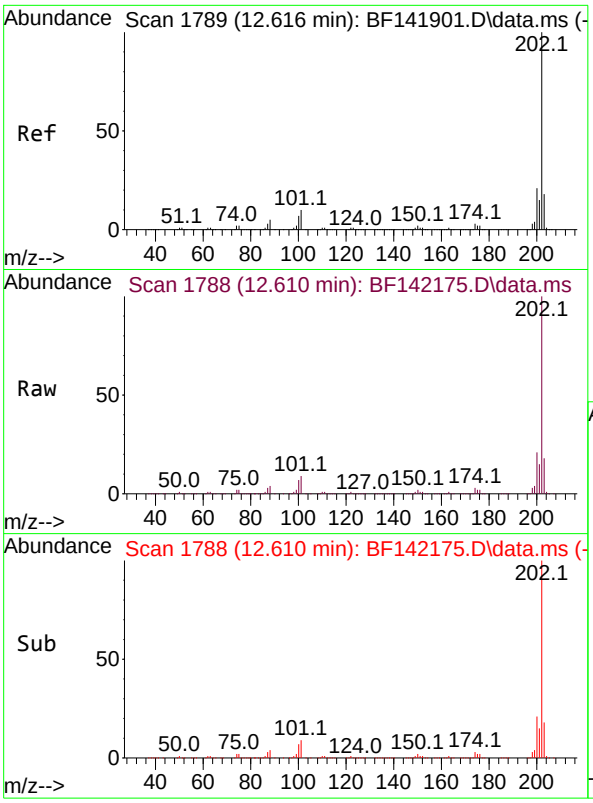


#74
Di-n-butylphthalate
Concen: 39.103 ng
RT: 11.951 min Scan# 1676
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:149 Resp: 1597845

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.6	11.4
104	5.2	4.4	6.6

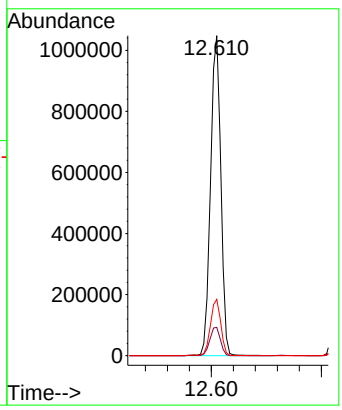




#75
Fluoranthene
Concen: 36.035 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:202 Resp: 136051

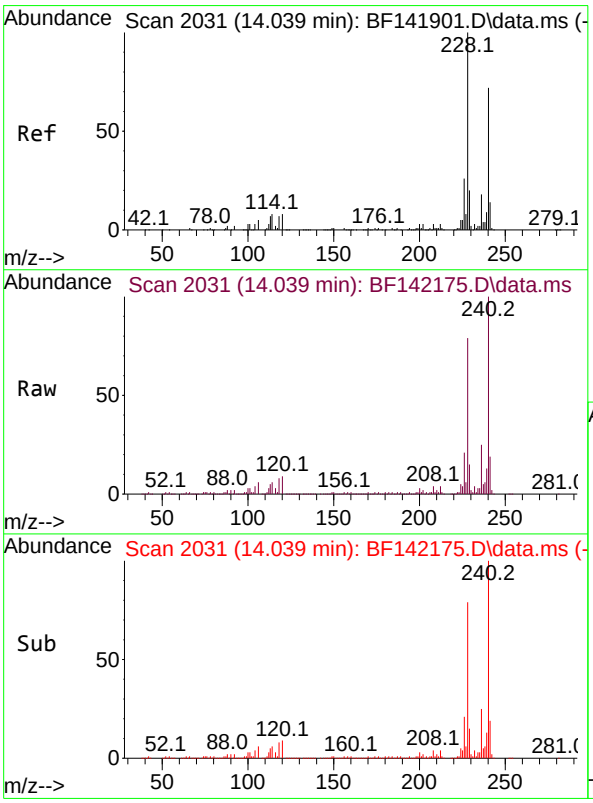
Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	29.7
203	17.6	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

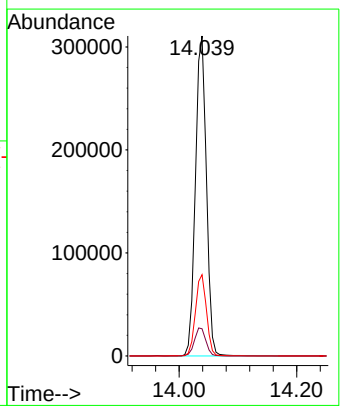
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

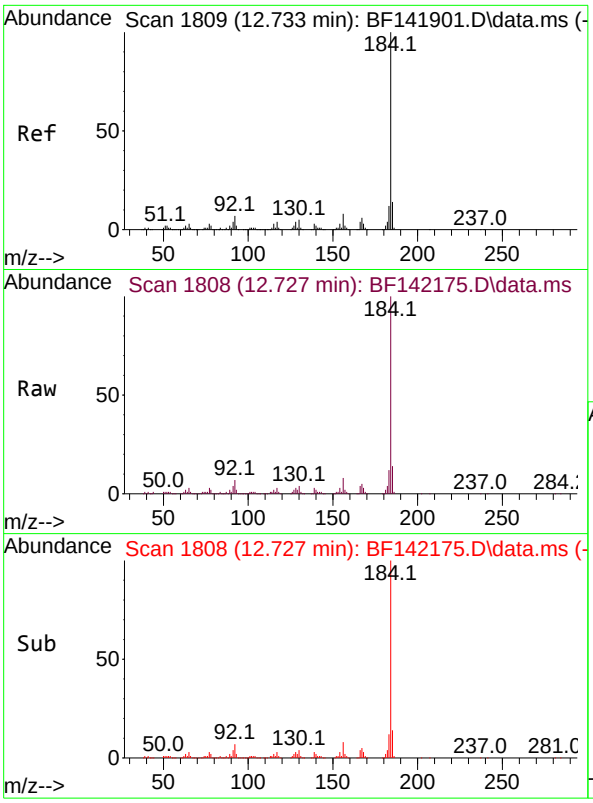


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:240 Resp: 402422

Ion	Ratio	Lower	Upper
240	100		
120	8.5	8.4	12.6
236	25.4	20.5	30.7

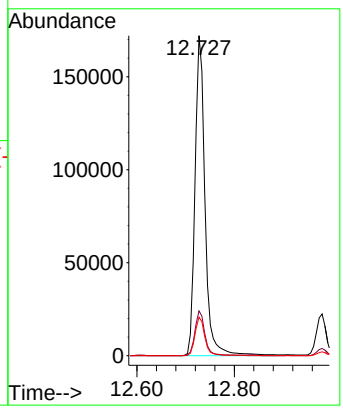




#77
Benzidine
Concen: 43.953 ng
RT: 12.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:184 Resp: 24677

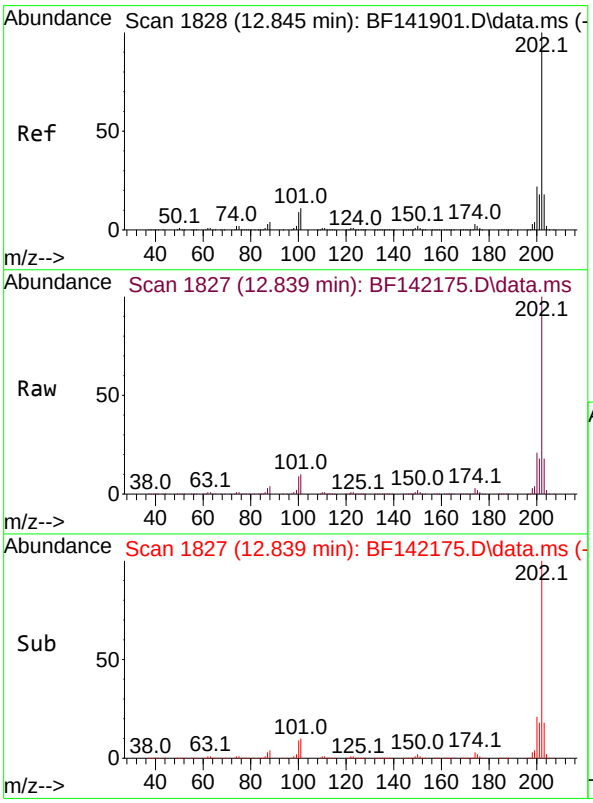
Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	12.1	9.7	14.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

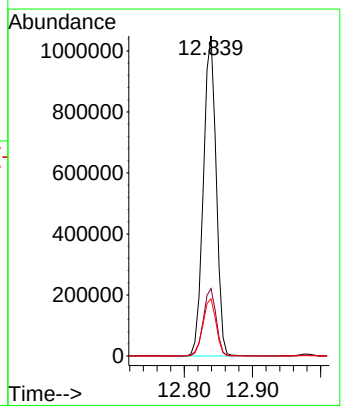
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

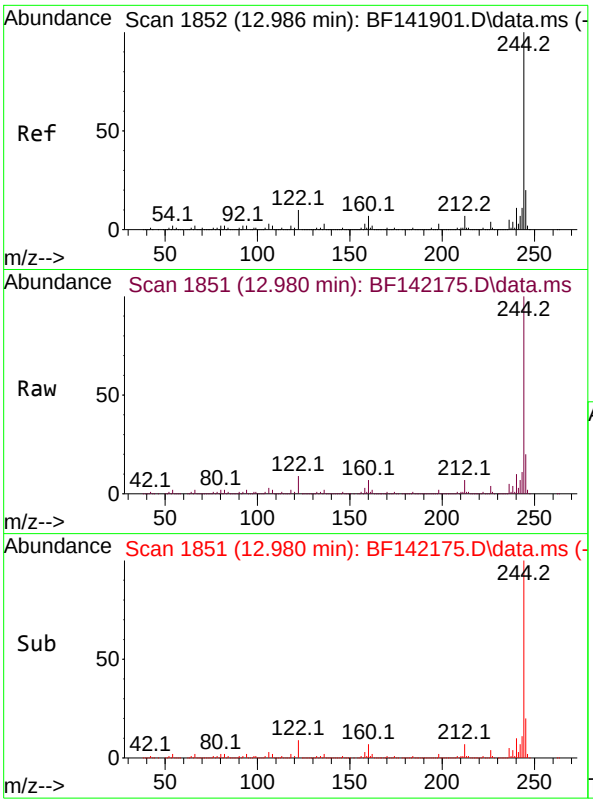


#78
Pyrene
Concen: 39.251 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:202 Resp: 1366309

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9
203	17.8	14.4	21.6

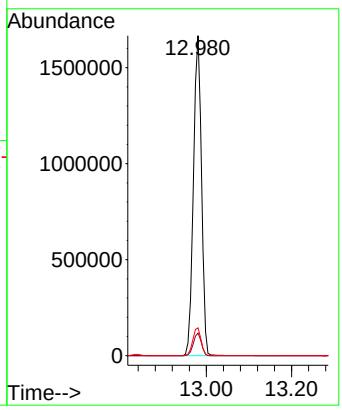




#79
Terphenyl-d14
Concen: 80.433 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:244 Resp: 218930

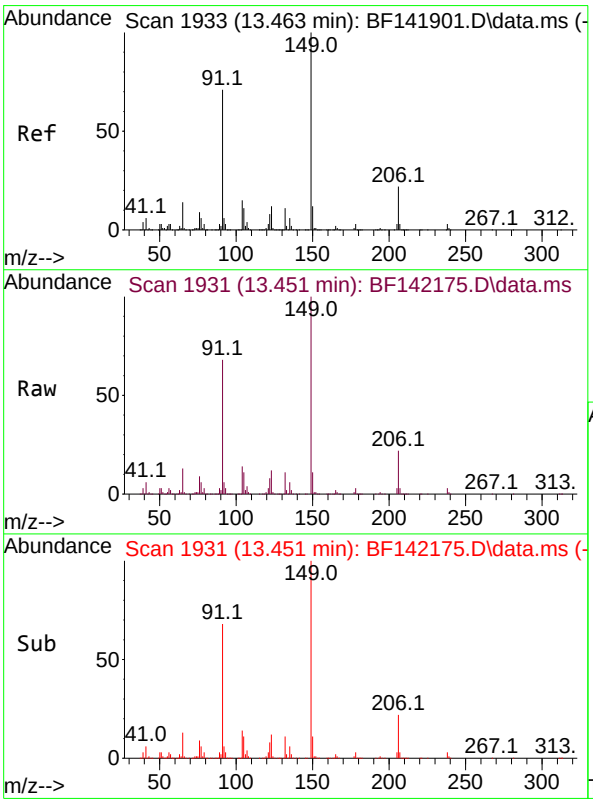
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	8.7	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

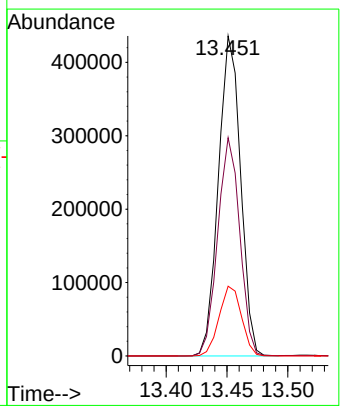
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

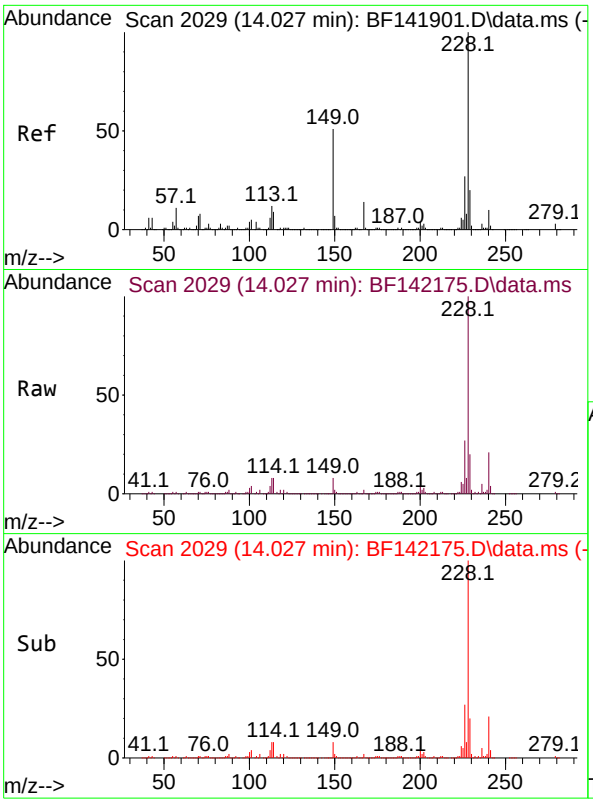


#80
Butylbenzylphthalate
Concen: 40.594 ng
RT: 13.451 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:149 Resp: 553085

Ion	Ratio	Lower	Upper
149	100		
91	68.2	56.5	84.7
206	21.8	17.3	25.9

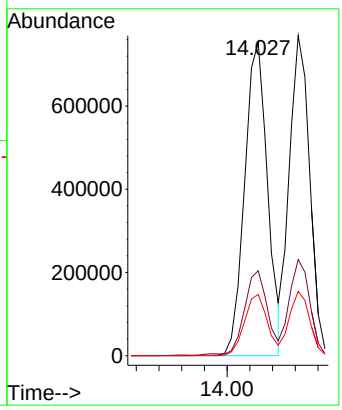




#81
Benzo(a)anthracene
Concen: 39.963 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:228 Resp: 105531

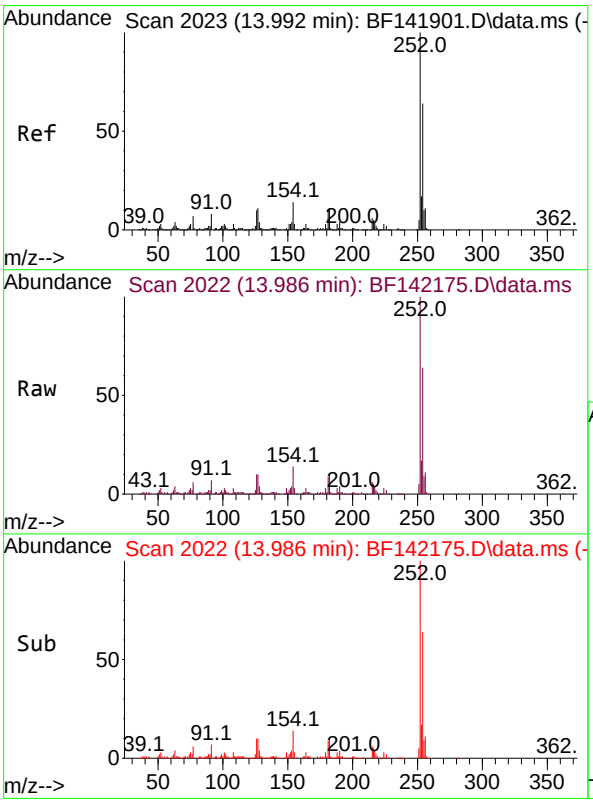
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.6	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

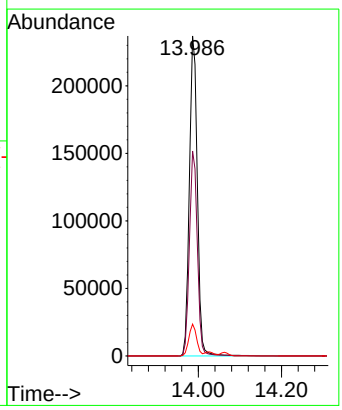
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

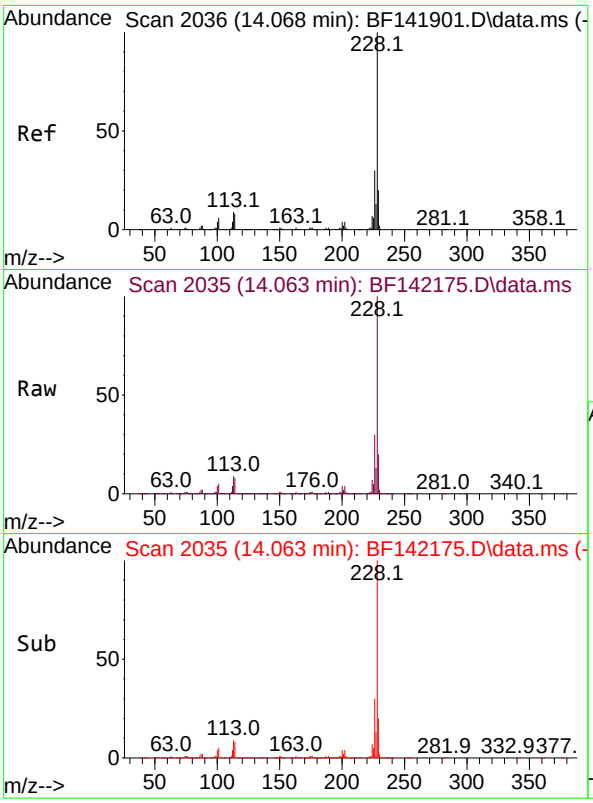


#82
3,3'-Dichlorobenzidine
Concen: 41.131 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:252 Resp: 313883

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.0	76.6
126	10.0	8.4	12.6





#83
Chrysene
Concen: 40.347 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

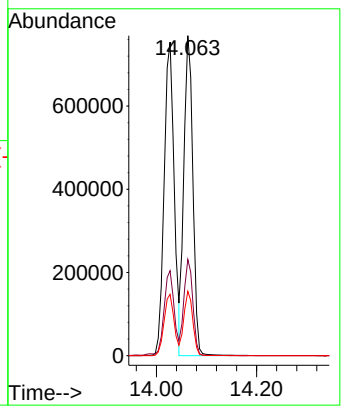
Tgt Ion:228 Resp: 96578

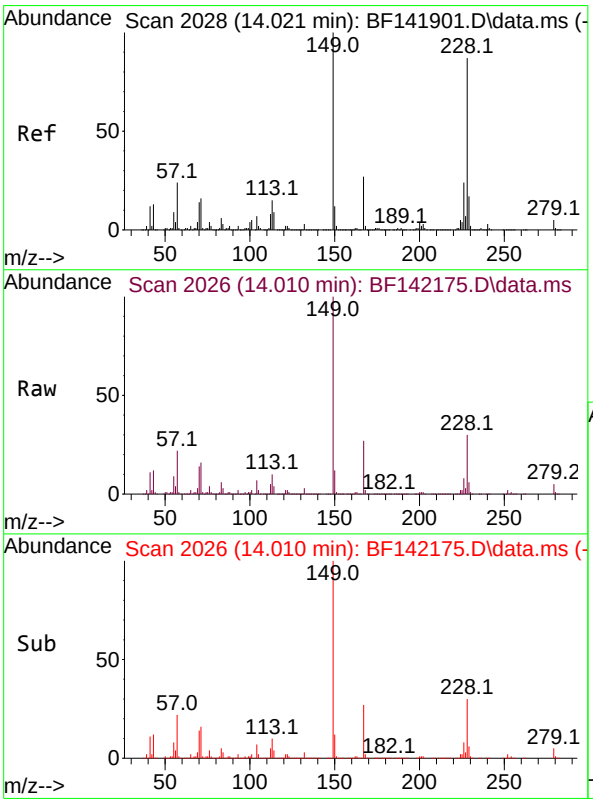
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	20.1	15.7	23.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

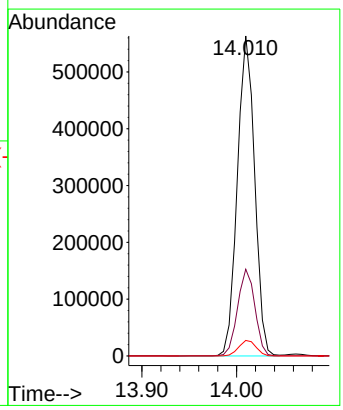


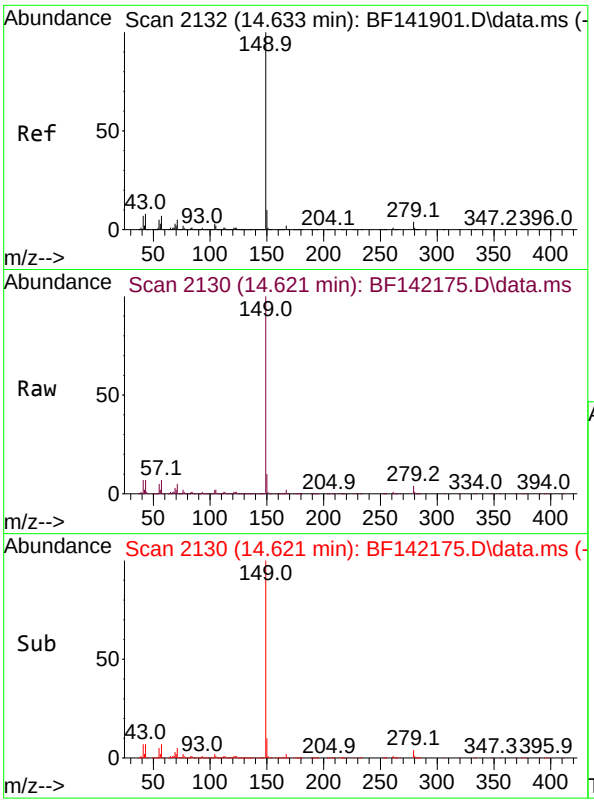


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.001 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:149 Resp: 713878

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.4	32.0
279	4.8	3.8	5.6

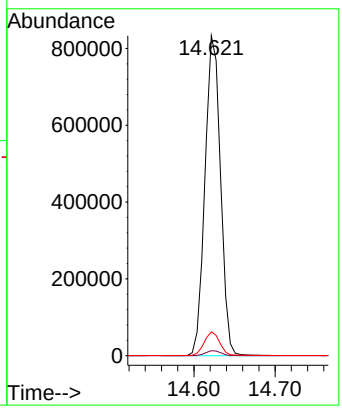




#85
Di-n-octyl phthalate
Concen: 42.336 ng
RT: 14.621 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:149 Resp: 110658

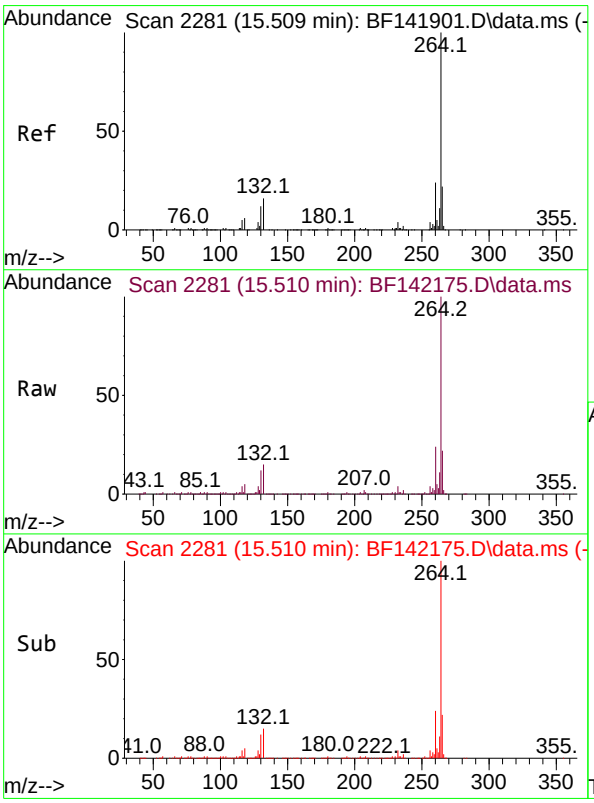
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.5	6.9	10.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

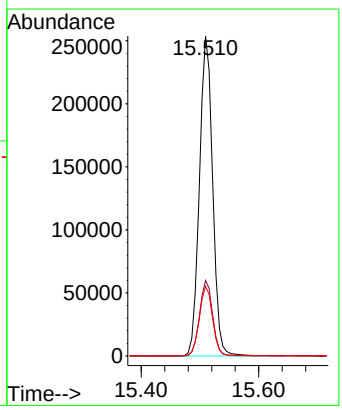
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

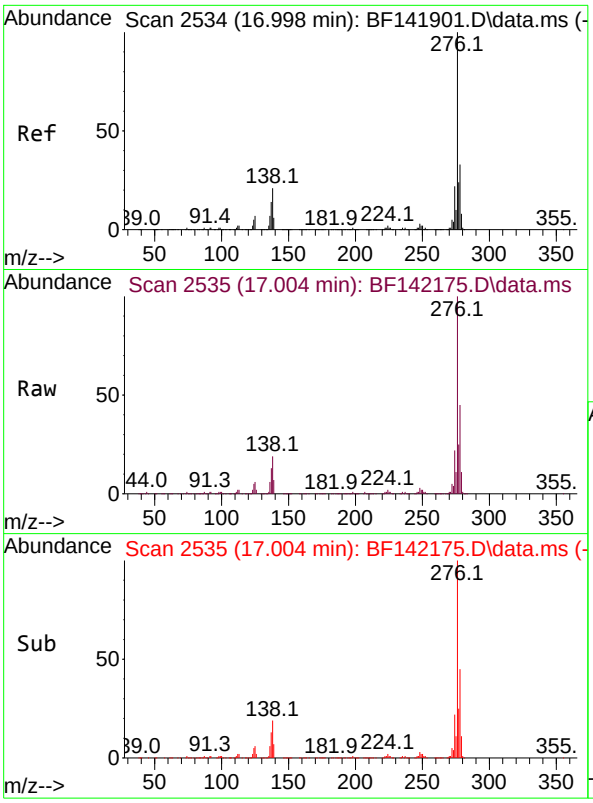


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:264 Resp: 395762

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.8	17.5	26.3

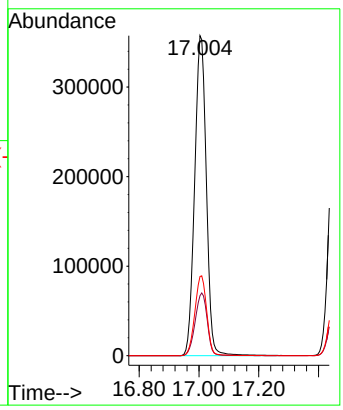




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.750 ng
RT: 17.004 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:276 Resp: 96644

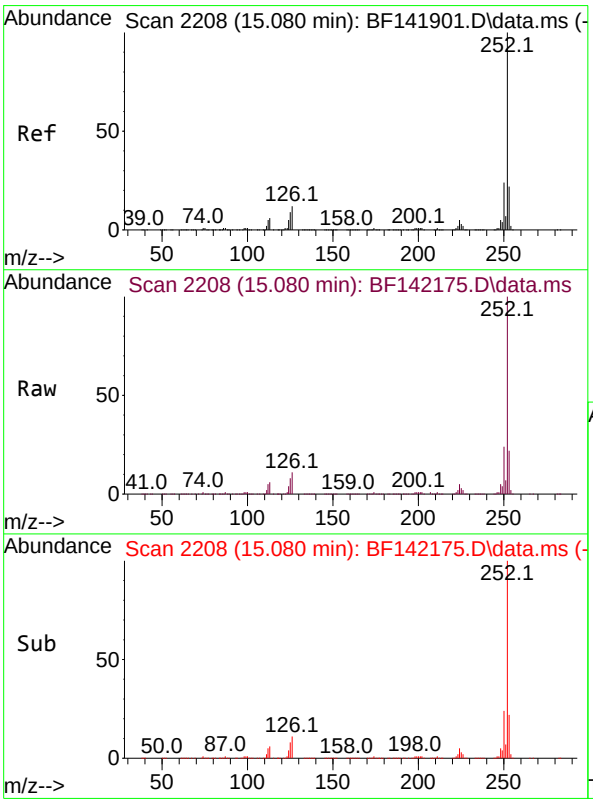
Ion	Ratio	Lower	Upper
276	100		
138	20.3	18.4	27.6
277	25.4	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

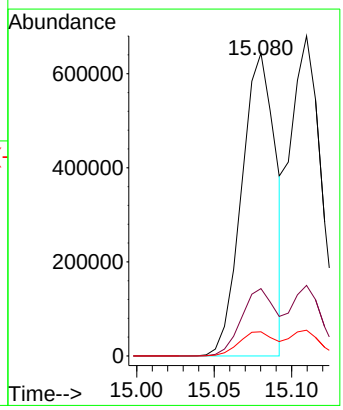
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

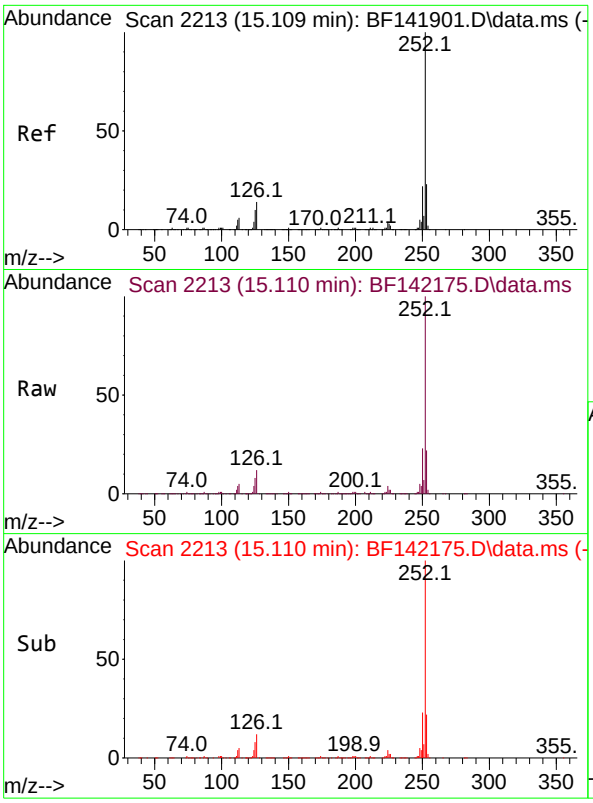


#88
Benzo(b)fluoranthene
Concen: 36.166 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:252 Resp: 980961

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	8.0	7.0	10.4

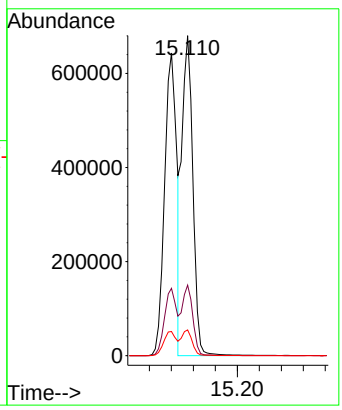




#89
Benzo(k)fluoranthene
Concen: 40.489 ng
RT: 15.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:252 Resp: 93981

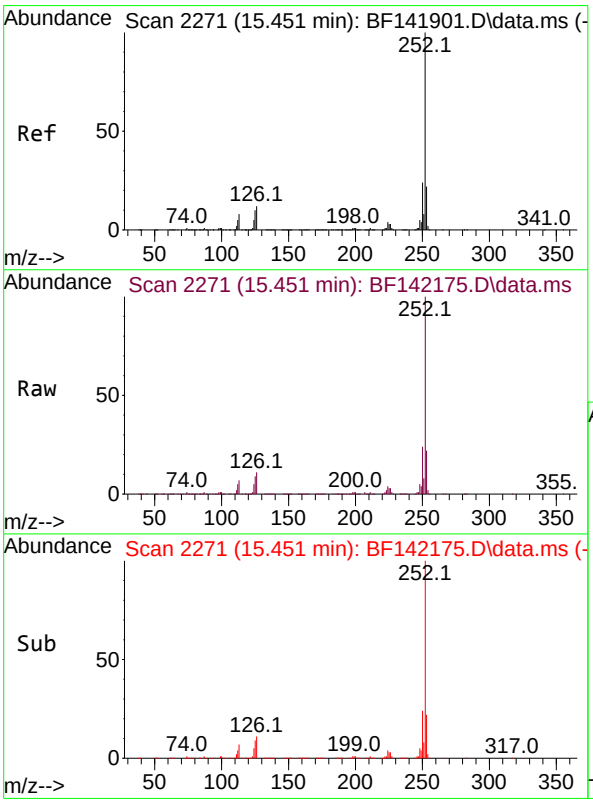
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	8.0	7.2	10.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

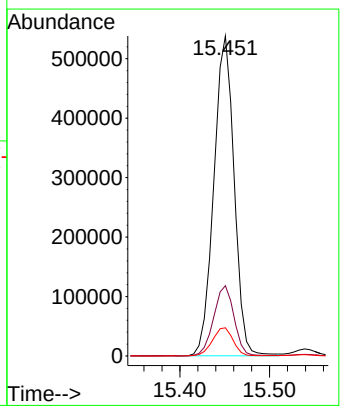
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

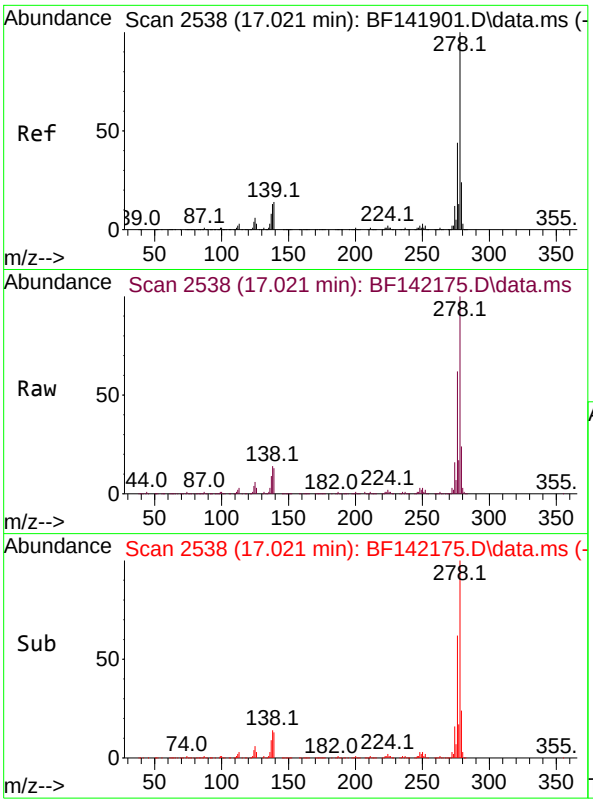


#90
Benzo(a)pyrene
Concen: 39.807 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:252 Resp: 844845

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	8.8	7.8	11.8

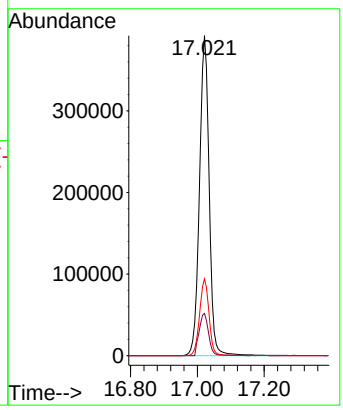




#91
Dibenzo(a,h)anthracene
Concen: 37.291 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:278 Resp: 78769

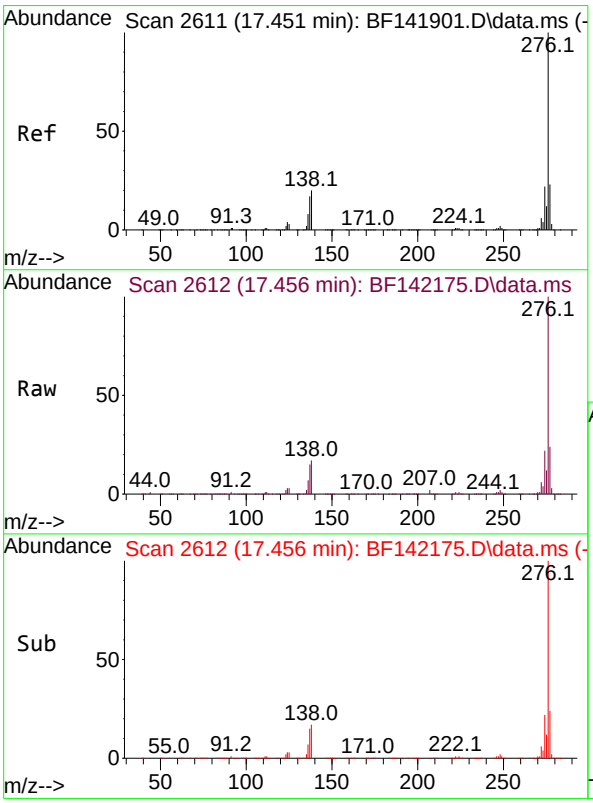
Ion	Ratio	Lower	Upper
278	100		
139	13.2	11.4	17.2
279	24.0	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

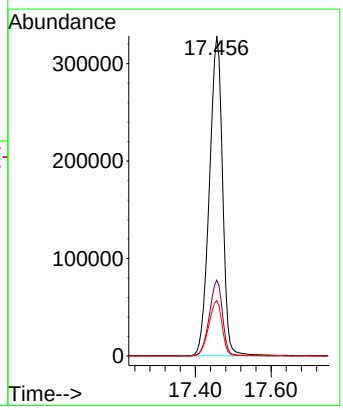
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#92
Benzo(g,h,i)perylene
Concen: 37.648 ng
RT: 17.456 min Scan# 2612
Delta R.T. 0.006 min
Lab File: BF142175.D
Acq: 31 Mar 2025 12:22

Tgt Ion:276 Resp: 785864

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	17.3	15.8	23.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142175.D
Acq On : 31 Mar 2025 12:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 31 13:28:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	69	-0.01
2		1,4-Dioxane	0.502	0.493	1.8	67	-0.06
3		Pyridine	1.232	1.162	5.7	66	-0.06
4		n-Nitrosodimethylamine	0.587	0.529	9.9	63	-0.06
5	S	2-Fluorophenol	1.198	1.172	2.2	70	-0.02
6		Aniline	1.505	1.376	8.6	65	-0.02
7	S	Phenol-d6	1.526	1.475	3.3	70	-0.01
8		2-Chlorophenol	1.329	1.310	1.4	72	-0.02
9		Benzaldehyde	0.853	1.304	-52.9#	116	-0.01
10	C	Phenol	1.605	1.534	4.4	69	-0.01
11		bis(2-Chloroethyl)ether	1.205	1.122	6.9	68	-0.01
12		1,3-Dichlorobenzene	1.435	1.405	2.1	71	-0.01
13	C	1,4-Dichlorobenzene	1.452	1.440	0.8	71	-0.01
14		1,2-Dichlorobenzene	1.367	1.360	0.5	72	-0.01
15		Benzyl Alcohol	1.233	1.164	5.6	68	-0.01
16		2,2'-oxybis(1-Chloropropane	1.455	1.178	19.0	60	-0.02
17		2-Methylphenol	1.057	1.002	5.2	69	-0.01
18		Hexachloroethane	0.544	0.523	3.9	70	-0.01
19	P	n-Nitroso-di-n-propylamine	0.980	0.859	12.3	65	-0.02
20		3+4-Methylphenols	1.354	1.250	7.7	67	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	68	-0.01
22		Acetophenone	0.479	0.461	3.8	68	-0.02
23	S	Nitrobenzene-d5	0.355	0.349	1.7	68	-0.01
24		Nitrobenzene	0.353	0.346	2.0	67	-0.01
25		Isophorone	0.628	0.587	6.5	66	-0.02
26	C	2-Nitrophenol	0.173	0.185	-6.9	71	-0.02
27		2,4-Dimethylphenol	0.239	0.232	2.9	68	-0.01
28		bis(2-Chloroethoxy)methane	0.394	0.369	6.3	67	-0.01
29	C	2,4-Dichlorophenol	0.296	0.302	-2.0	71	-0.01
30		1,2,4-Trichlorobenzene	0.327	0.336	-2.8	73	-0.01
31		Naphthalene	1.027	1.014	1.3	70	-0.01
32		Benzoic acid	0.210	0.228	-8.6	74	0.00
33		4-Chloroaniline	0.363	0.356	1.9	68	0.00
34	C	Hexachlorobutadiene	0.213	0.219	-2.8	73	-0.02
35		Caprolactam	0.090	0.092	-2.2	74	0.00
36	C	4-Chloro-3-methylphenol	0.331	0.328	0.9	70	0.00
37		2-Methylnaphthalene	0.687	0.685	0.3	71	-0.01
38		1-Methylnaphthalene	0.663	0.664	-0.2	72	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	78	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.557	8.5	73	-0.01
41	P	Hexachlorocyclopentadiene	0.238	0.195	18.1	60	-0.01
42	S	2,4,6-Tribromophenol	0.254	0.277	-9.1	86	0.00
43	C	2,4,6-Trichlorophenol	0.398	0.350	12.1	68	0.00
44		2,4,5-Trichlorophenol	0.403	0.385	4.5	77	0.00
45	S	2-Fluorobiphenyl	1.315	1.168	11.2	72	-0.01
46		1,1'-Biphenyl	1.520	1.345	11.5	72	-0.01
47		2-Chloronaphthalene	1.133	1.030	9.1	73	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142175.D
Acq On : 31 Mar 2025 12:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 31 13:28:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.328	0.292	11.0	70	0.00
49		Acenaphthylene	1.681	1.551	7.7	74	-0.01
50		Dimethylphthalate	1.401	1.284	8.4	75	-0.01
51		2,6-Dinitrotoluene	0.292	0.278	4.8	76	0.00
52	C	Acenaphthene	1.181	1.188	-0.6	80	-0.01
53		3-Nitroaniline	0.296	0.300	-1.4	79	0.00
54	P	2,4-Dinitrophenol	0.139	0.166	-19.4	91	0.00
55		Dibenzofuran	1.688	1.599	5.3	77	0.00
56	P	4-Nitrophenol	0.223	0.245	-9.9	83	0.00
57		2,4-Dinitrotoluene	0.381	0.392	-2.9	81	0.00
58		Fluorene	1.302	1.272	2.3	80	-0.01
59		2,3,4,6-Tetrachlorophenol	0.367	0.378	-3.0	82	-0.01
60		Diethylphthalate	1.397	1.338	4.2	78	-0.01
61		4-Chlorophenyl-phenylether	0.679	0.676	0.4	81	-0.01
62		4-Nitroaniline	0.288	0.301	-4.5	81	0.00
63		Azobenzene	1.298	1.177	9.3	73	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	79	-0.01
65		4,6-Dinitro-2-methylphenol	0.119	0.133	-11.8	86	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.629	2.8	80	0.00
67		4-Bromophenyl-phenylether	0.251	0.257	-2.4	83	0.00
68		Hexachlorobenzene	0.275	0.289	-5.1	84	0.00
69		Atrazine	0.198	0.192	3.0	92	0.00
70	C	Pentachlorophenol	0.170	0.180	-5.9	80	0.00
71		Phenanthrene	1.080	1.070	0.9	81	0.00
72		Anthracene	1.084	1.035	4.5	78	0.00
73		Carbazole	0.935	0.936	-0.1	81	0.00
74		Di-n-butylphthalate	1.240	1.212	2.3	81	-0.01
75	C	Fluoranthene	1.146	1.032	9.9	73	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	71	0.00
77		Benzidine	0.279	0.307	-10.0	60	0.00
78		Pyrene	1.730	1.698	1.8	74	0.00
79	S	Terphenyl-d14	1.353	1.360	-0.5	75	0.00
80		Butylbenzylphthalate	0.677	0.687	-1.5	74	-0.01
81		Benzo(a)anthracene	1.312	1.311	0.1	73	0.00
82		3,3'-Dichlorobenzidine	0.379	0.390	-2.9	74	0.00
83		Chrysene	1.190	1.200	-0.8	75	0.00
84		Bis(2-ethylhexyl)phthalate	0.934	0.887	5.0	69	-0.01
85	c	Di-n-octyl phthalate	1.299	1.375	-5.9	77	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	84	0.00
87		Indeno(1,2,3-cd)pyrene	1.294	1.221	5.6	80	0.00
88		Benzo(b)fluoranthene	1.371	1.239	9.6	86	0.00
89		Benzo(k)fluoranthene	1.173	1.187	-1.2	83	0.00
90	C	Benzo(a)pyrene	1.073	1.067	0.6	87	0.00
91		Dibenzo(a,h)anthracene	1.067	0.995	6.7	79	0.00
92		Benzo(g,h,i)perylene	1.055	0.993	5.9	79	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142175.D
Acq On : 31 Mar 2025 12:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 31 13:28:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142175.D
Acq On : 31 Mar 2025 12:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 31 13:28:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	69	-0.01
2		1,4-Dioxane	40.000	39.300	1.8	67	-0.06
3		Pyridine	40.000	37.735	5.7	66	-0.06
4		n-Nitrosodimethylamine	40.000	36.026	9.9	63	-0.06
5	S	2-Fluorophenol	80.000	78.213	2.2	70	-0.02
6		Aniline	40.000	36.580	8.6	65	-0.02
7	S	Phenol-d6	80.000	77.321	3.3	70	-0.01
8		2-Chlorophenol	40.000	39.430	1.4	72	-0.02
9		Benzaldehyde	40.000	61.135	-52.8#	116	-0.01
10	C	Phenol	40.000	38.223	4.4	69	-0.01
11		bis(2-Chloroethyl)ether	40.000	37.247	6.9	68	-0.01
12		1,3-Dichlorobenzene	40.000	39.154	2.1	71	-0.01
13	C	1,4-Dichlorobenzene	40.000	39.685	0.8	71	-0.01
14		1,2-Dichlorobenzene	40.000	39.788	0.5	72	-0.01
15		Benzyl Alcohol	40.000	37.762	5.6	68	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	32.388	19.0	60	-0.02
17		2-Methylphenol	40.000	37.940	5.2	69	-0.01
18		Hexachloroethane	40.000	38.396	4.0	70	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	35.059	12.4	65	-0.02
20		3+4-Methylphenols	40.000	36.940	7.7	67	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	68	-0.01
22		Acetophenone	40.000	38.530	3.7	68	-0.02
23	S	Nitrobenzene-d5	80.000	78.569	1.8	68	-0.01
24		Nitrobenzene	40.000	39.130	2.2	67	-0.01
25		Isophorone	40.000	37.373	6.6	66	-0.02
26	C	2-Nitrophenol	40.000	42.605	-6.5	71	-0.02
27		2,4-Dimethylphenol	40.000	38.804	3.0	68	-0.01
28		bis(2-Chloroethoxy)methane	40.000	37.500	6.3	67	-0.01
29	C	2,4-Dichlorophenol	40.000	40.739	-1.8	71	-0.01
30		1,2,4-Trichlorobenzene	40.000	41.132	-2.8	73	-0.01
31		Naphthalene	40.000	39.479	1.3	70	-0.01
32		Benzoic acid	40.000	43.457	-8.6	74	0.00
33		4-Chloroaniline	40.000	39.211	2.0	68	0.00
34	C	Hexachlorobutadiene	40.000	41.154	-2.9	73	-0.02
35		Caprolactam	40.000	40.767	-1.9	74	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.734	0.7	70	0.00
37		2-Methylnaphthalene	40.000	39.887	0.3	71	-0.01
38		1-Methylnaphthalene	40.000	40.084	-0.2	72	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	78	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	36.601	8.5	73	-0.01
41	P	Hexachlorocyclopentadiene	40.000	32.662	18.3	60	-0.01
42	S	2,4,6-Tribromophenol	80.000	87.312	-9.1	86	0.00
43	C	2,4,6-Trichlorophenol	40.000	35.144	12.1	68	0.00
44		2,4,5-Trichlorophenol	40.000	38.178	4.6	77	0.00
45	S	2-Fluorobiphenyl	80.000	71.051	11.2	72	-0.01
46		1,1'-Biphenyl	40.000	35.393	11.5	72	-0.01
47		2-Chloronaphthalene	40.000	36.389	9.0	73	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142175.D
Acq On : 31 Mar 2025 12:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 31 13:28:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	35.630	10.9	70	0.00
49		Acenaphthylene	40.000	36.904	7.7	74	-0.01
50		Dimethylphthalate	40.000	36.659	8.4	75	-0.01
51		2,6-Dinitrotoluene	40.000	38.094	4.8	76	0.00
52	C	Acenaphthene	40.000	40.226	-0.6	80	-0.01
53		3-Nitroaniline	40.000	40.552	-1.4	79	0.00
54	P	2,4-Dinitrophenol	40.000	43.261	-8.2	91	0.00
55		Dibenzofuran	40.000	37.893	5.3	77	0.00
56	P	4-Nitrophenol	40.000	43.898	-9.7	83	0.00
57		2,4-Dinitrotoluene	40.000	41.216	-3.0	81	0.00
58		Fluorene	40.000	39.084	2.3	80	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	41.279	-3.2	82	-0.01
60		Diethylphthalate	40.000	38.310	4.2	78	-0.01
61		4-Chlorophenyl-phenylether	40.000	39.842	0.4	81	-0.01
62		4-Nitroaniline	40.000	41.874	-4.7	81	0.00
63		Azobenzene	40.000	36.260	9.4	73	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	79	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	44.534	-11.3	86	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.899	2.8	80	0.00
67		4-Bromophenyl-phenylether	40.000	40.962	-2.4	83	0.00
68		Hexachlorobenzene	40.000	41.994	-5.0	84	0.00
69		Atrazine	40.000	38.789	3.0	92	0.00
70	C	Pentachlorophenol	40.000	42.367	-5.9	80	0.00
71		Phenanthrene	40.000	39.610	1.0	81	0.00
72		Anthracene	40.000	38.217	4.5	78	0.00
73		Carbazole	40.000	40.056	-0.1	81	0.00
74		Di-n-butylphthalate	40.000	39.103	2.2	81	-0.01
75	C	Fluoranthene	40.000	36.035	9.9	73	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	71	0.00
77		Benzidine	40.000	43.953	-9.9	60	0.00
78		Pyrene	40.000	39.251	1.9	74	0.00
79	S	Terphenyl-d14	80.000	80.433	-0.5	75	0.00
80		Butylbenzylphthalate	40.000	40.594	-1.5	74	-0.01
81		Benzo(a)anthracene	40.000	39.963	0.1	73	0.00
82		3,3'-Dichlorobenzidine	40.000	41.131	-2.8	74	0.00
83		Chrysene	40.000	40.347	-0.9	75	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.001	5.0	69	-0.01
85	c	Di-n-octyl phthalate	40.000	42.336	-5.8	77	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	84	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	37.750	5.6	80	0.00
88		Benzo(b)fluoranthene	40.000	36.166	9.6	86	0.00
89		Benzo(k)fluoranthene	40.000	40.489	-1.2	83	0.00
90	C	Benzo(a)pyrene	40.000	39.807	0.5	87	0.00
91		Dibenzo(a,h)anthracene	40.000	37.291	6.8	79	0.00
92		Benzo(g,h,i)perylene	40.000	37.648	5.9	79	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142175.D
Acq On : 31 Mar 2025 12:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 31 13:28:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG No.: Q1664

Instrument ID: BNA_M Calibration Date/Time: 04/02/2025 10:46

Lab File ID: BM049784.D Init. Calib. Date(s): 03/13/2025 03/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:37

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.185	1.154		-2.6	
Benzaldehyde	0.735	0.749		1.9	
Phenol-d6	1.488	1.586		6.6	
Phenol	1.442	1.501		4.1	20.0
bis(2-Chloroethyl)ether	1.168	1.208		3.4	
2-Chlorophenol	1.174	1.174		0.0	
2-Methylphenol	0.856	0.918		7.2	
2,2-oxybis(1-Chloropropane)	1.373	1.462		6.5	
Acetophenone	0.516	0.515		-0.2	
3+4-Methylphenols	1.148	1.267		10.4	
n-Nitroso-di-n-propylamine	0.863	1.016	0.050	17.7	
Nitrobenzene-d5	0.390	0.394		1.0	
Hexachloroethane	0.508	0.493		-3.0	
Nitrobenzene	0.367	0.365		-0.5	
Isophorone	0.598	0.638		6.7	
2-Nitrophenol	0.156	0.164		5.1	20.0
2,4-Dimethylphenol	0.199	0.202		1.5	
bis(2-Chloroethoxy)methane	0.421	0.434		3.1	
2,4-Dichlorophenol	0.324	0.332		2.5	20.0
Naphthalene	1.028	1.006		-2.1	
4-Chloroaniline	0.351	0.359		2.3	
Hexachlorobutadiene	0.250	0.240		-4.0	20.0
Caprolactam	0.075	0.084		12.0	
4-Chloro-3-methylphenol	0.278	0.303		9.0	20.0
2-Methylnaphthalene	0.719	0.745		3.6	
Hexachlorocyclopentadiene	0.272	0.267	0.050	-1.8	
2,4,6-Trichlorophenol	0.411	0.423		2.9	20.0
2-Fluorobiphenyl	1.597	1.626		1.8	
2,4,5-Trichlorophenol	0.449	0.460		2.5	
1,1-Biphenyl	1.541	1.512		-1.9	
2-Chloronaphthalene	1.200	1.150		-4.2	
2-Nitroaniline	0.269	0.287		6.7	
Dimethylphthalate	1.377	1.374		-0.2	
Acenaphthylene	1.677	1.661		-1.0	
2,6-Dinitrotoluene	0.276	0.284		2.9	
3-Nitroaniline	0.263	0.261		-0.8	
Acenaphthene	1.100	1.102		0.2	20.0
2,4-Dinitrophenol	0.134	0.129	0.050	-3.7	
4-Nitrophenol	0.229	0.212	0.050	-7.4	

Form VII SV-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: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG No.: Q1664

Instrument ID: BNA_M Calibration Date/Time: 04/02/2025 10:46

Lab File ID: BM049784.D Init. Calib. Date(s): 03/13/2025 03/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:37

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.833	1.806		-1.5	
2,4-Dinitrotoluene	0.355	0.368		3.7	
Diethylphthalate	1.297	1.318		1.6	
4-Chlorophenyl-phenylether	0.815	0.865		6.1	
Fluorene	1.492	1.552		4.0	
4-Nitroaniline	0.274	0.273		-0.4	
4,6-Dinitro-2-methylphenol	0.102	0.104		2.0	
n-Nitrosodiphenylamine	0.606	0.621		2.5	20.0
2,4,6-Tribromophenol	0.234	0.259		10.7	
4-Bromophenyl-phenylether	0.231	0.240		3.9	
Hexachlorobenzene	0.260	0.263		1.2	
Atrazine	0.134	0.144		7.5	
Pentachlorophenol	0.163	0.165		1.2	20.0
Phenanthrene	1.111	1.101		-0.9	
Anthracene	1.076	1.080		0.4	
Carbazole	0.974	0.948		-2.7	
Di-n-butylphthalate	1.068	1.099		2.9	
Fluoranthene	1.279	1.224		-4.3	20.0
Pyrene	1.397	1.607		15.0	
Terphenyl-d14	1.187	1.487		25.3	
Butylbenzylphthalate	0.434	0.479		10.4	
3,3-Dichlorobenzidine	0.435	0.400		-8.0	
Benzo(a)anthracene	1.336	1.330		-0.4	
Chrysene	1.266	1.236		-2.4	
Bis(2-ethylhexyl)phthalate	0.676	0.725		7.2	
Di-n-octyl phthalate	1.050	0.946		-9.9	20.0
Benzo(b)fluoranthene	1.347	1.383		2.7	
Benzo(k)fluoranthene	1.326	1.339		1.1	
Benzo(a)pyrene	1.131	1.118		-1.1	20.0
Indeno(1,2,3-cd)pyrene	1.440	1.331		-7.6	
Dibenzo(a,h)anthracene	1.199	1.115		-7.0	
Benzo(g,h,i)perylene	1.208	1.101		-8.9	
1,2,4,5-Tetrachlorobenzene	0.735	0.722		-1.8	
1,4-Dioxane	0.513	0.459		-10.5	20.0
2,3,4,6-Tetrachlorophenol	0.376	0.391		4.0	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049784.D
Acq On : 02 Apr 2025 10:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 02 11:49:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.792	152	413916	20.000	ng		-0.01
21) Naphthalene-d8	10.586	136	1531700	20.000	ng		-0.02
39) Acenaphthene-d10	14.433	164	997714	20.000	ng		-0.01
64) Phenanthrene-d10	17.174	188	1826070	20.000	ng		-0.01
76) Chrysene-d12	21.403	240	1415651	20.000	ng		-0.02
86) Perylene-d12	24.403	264	1117044	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	1911273	77.913	ng		-0.02
7) Phenol-d6	6.963	99	2625863	85.297	ng		-0.02
23) Nitrobenzene-d5	8.951	82	2415286	80.959	ng		-0.01
42) 2,4,6-Tribromophenol	15.921	330	1032806	88.651	ng		-0.01
45) 2-Fluorobiphenyl	13.057	172	6490778	81.475	ng		-0.01
79) Terphenyl-d14	19.797	244	8419615	100.223	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.275	88	379847	35.769	ng		99
3) Pyridine	3.669	79	1051393	38.768	ng		97
4) n-Nitrosodimethylamine	3.581	42	470994	39.250	ng		100
6) Aniline	7.122	93	1083496	42.010	ng		98
8) 2-Chlorophenol	7.357	128	972170	40.019	ng		98
9) Benzaldehyde	6.928	77	620037	40.741	ng		99
10) Phenol	6.992	94	1242407	41.621	ng		98
11) bis(2-Chloroethyl)ether	7.216	93	1000408	41.386	ng		99
12) 1,3-Dichlorobenzene	7.681	146	1122534	38.024	ng		99
13) 1,4-Dichlorobenzene	7.828	146	1132766	38.034	ng		98
14) 1,2-Dichlorobenzene	8.145	146	1097795	38.785	ng		99
15) Benzyl Alcohol	8.034	79	858563	44.442	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.328	45	1210486	42.607	ng		100
17) 2-Methylphenol	8.239	107	759954	42.882	ng		99
18) Hexachloroethane	8.875	117	407943	38.787	ng		95
19) n-Nitroso-di-n-propyla...	8.604	70	840999	47.112	ng		99
20) 3+4-Methylphenols	8.569	107	1048683	44.156	ng		99
22) Acetophenone	8.610	105	1576483	39.917	ng	#	98
24) Nitrobenzene	8.992	77	1118820	39.772	ng		99
25) Isophorone	9.522	82	1953277	42.643	ng		99
26) 2-Nitrophenol	9.698	139	500885	41.834	ng		96
27) 2,4-Dimethylphenol	9.769	122	617919	40.545	ng		98
28) bis(2-Chloroethoxy)met...	9.998	93	1329233	41.202	ng		99
29) 2,4-Dichlorophenol	10.239	162	1015863	40.907	ng		99
30) 1,2,4-Trichlorobenzene	10.451	180	1167005	37.560	ng		100
31) Naphthalene	10.639	128	3082438	39.137	ng		100
32) Benzoic acid	9.916	122	576066	44.445	ng		97
33) 4-Chloroaniline	10.745	127	1099168	40.893	ng		99
34) Hexachlorobutadiene	10.927	225	736373	38.391	ng		99
35) Caprolactam	11.539	113	257509	44.663	ng		93
36) 4-Chloro-3-methylphenol	11.874	107	928492	43.568	ng		98
37) 2-Methylnaphthalene	12.251	142	2280955	41.417	ng		100
38) 1-Methylnaphthalene	12.469	142	2210384	41.600	ng		99
40) 1,2,4,5-Tetrachloroben...	12.621	216	1440326	39.302	ng		99
41) Hexachlorocyclopentadiene	12.610	237	532636	39.231	ng		100
43) 2,4,6-Trichlorophenol	12.863	196	844183	41.129	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049784.D
Acq On : 02 Apr 2025 10:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 02 11:49:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

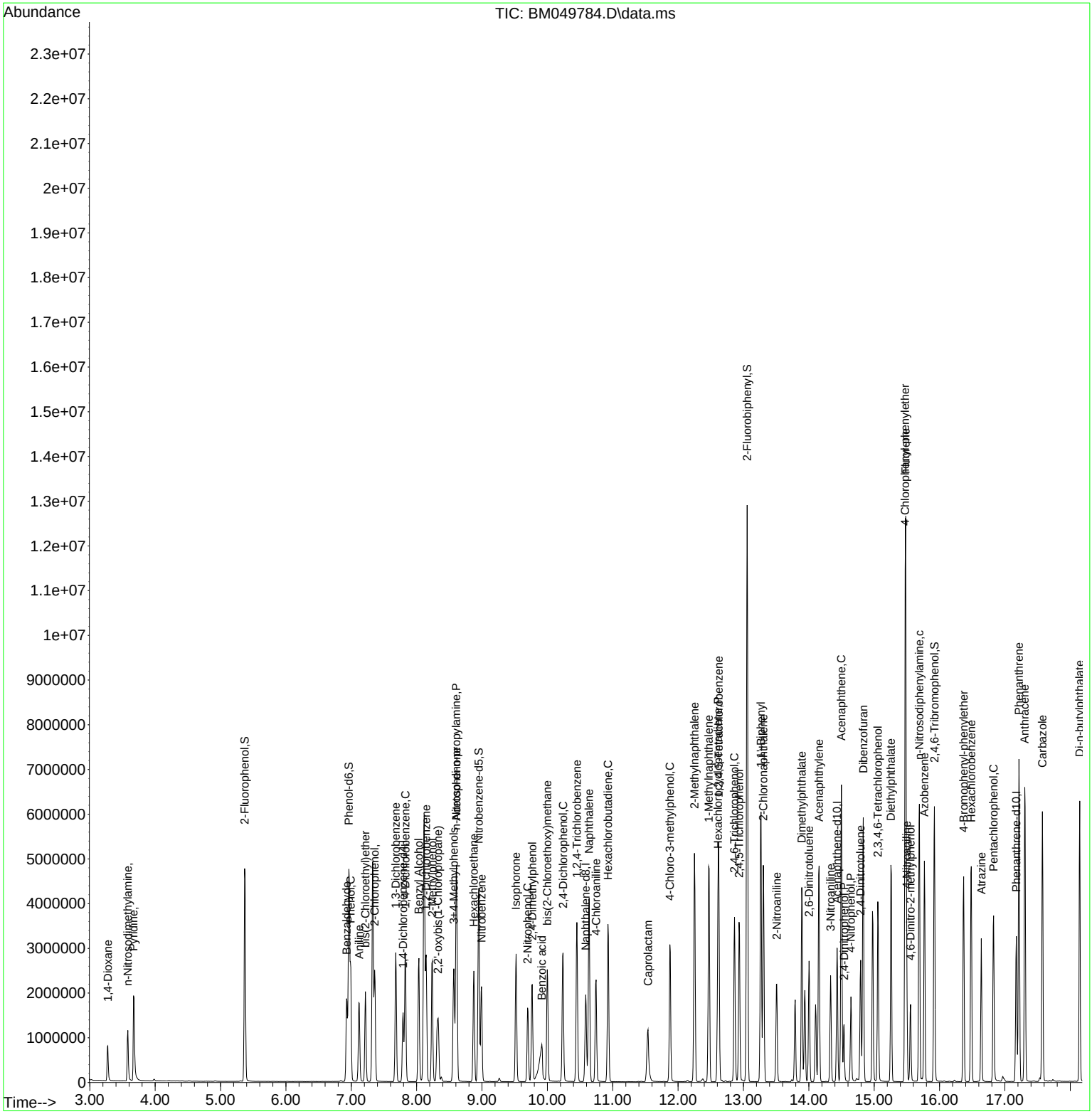
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	918404	41.003	ng	99
46) 1,1'-Biphenyl	13.268	154	3016820	39.233	ng	99
47) 2-Chloronaphthalene	13.304	162	2295303	38.349	ng	99
48) 2-Nitroaniline	13.510	65	571816	42.558	ng	99
49) Acenaphthylene	14.157	152	3314238	39.615	ng	99
50) Dimethylphthalate	13.892	163	2742614	39.926	ng	100
51) 2,6-Dinitrotoluene	14.004	165	567095	41.202	ng	99
52) Acenaphthene	14.498	154	2198833	40.069	ng	99
53) 3-Nitroaniline	14.333	138	520555	39.744	ng	96
54) 2,4-Dinitrophenol	14.539	184	257978	38.607	ng	100
55) Dibenzofuran	14.833	168	3603888	39.412	ng	99
56) 4-Nitrophenol	14.645	139	422573	37.065	ng	98
57) 2,4-Dinitrotoluene	14.792	165	734502	41.472	ng	98
58) Fluorene	15.480	166	3097839	41.610	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.057	232	779595	41.581	ng	99
60) Diethylphthalate	15.257	149	2630616	40.661	ng	99
61) 4-Chlorophenyl-phenyle...	15.474	204	1725661	42.447	ng	98
62) 4-Nitroaniline	15.498	138	544023	35.934	ng	99
63) Azobenzene	15.768	77	2595285	41.998	ng	99
65) 4,6-Dinitro-2-methylph...	15.557	198	378586	40.189	ng	95
66) n-Nitrosodiphenylamine	15.692	169	2269715	41.024	ng	99
67) 4-Bromophenyl-phenylether	16.368	248	875474	41.525	ng	98
68) Hexachlorobenzene	16.486	284	959887	40.487	ng	98
69) Atrazine	16.639	200	525811	43.124	ng	99
70) Pentachlorophenol	16.827	266	603584	40.512	ng	98
71) Phenanthrene	17.215	178	4019507	39.641	ng	100
72) Anthracene	17.304	178	3945359	40.177	ng	99
73) Carbazole	17.574	167	3462451	38.934	ng	99
74) Di-n-butylphthalate	18.145	149	4014522	41.186	ng	99
75) Fluoranthene	19.233	202	4471147	38.301	ng	99
77) Benzidine	19.409	184	913547	53.714	ng	99
78) Pyrene	19.592	202	4550390	46.007	ng	100
80) Butylbenzylphthalate	20.492	149	1357512	44.227	ng	95
81) Benzo(a)anthracene	21.391	228	3764986	39.817	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	1133587	36.822	ng	99
83) Chrysene	21.450	228	3500249	39.051	ng	99
84) Bis(2-ethylhexyl)phtha...	21.321	149	2052551	42.908	ng	100
85) Di-n-octyl phthalate	22.456	149	2679020	36.033	ng	99
87) Indeno(1,2,3-cd)pyrene	27.791	276	2972587	36.973	ng	99
88) Benzo(b)fluoranthene	23.462	252	3089999	41.070	ng	100
89) Benzo(k)fluoranthene	23.521	252	2991569	40.409	ng	99
90) Benzo(a)pyrene	24.262	252	2498684	39.539	ng	99
91) Dibenzo(a,h)anthracene	27.844	278	2489927	37.171	ng	99
92) Benzo(g,h,i)perylene	28.844	276	2460022	36.459	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049784.D
Acq On : 02 Apr 2025 10:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

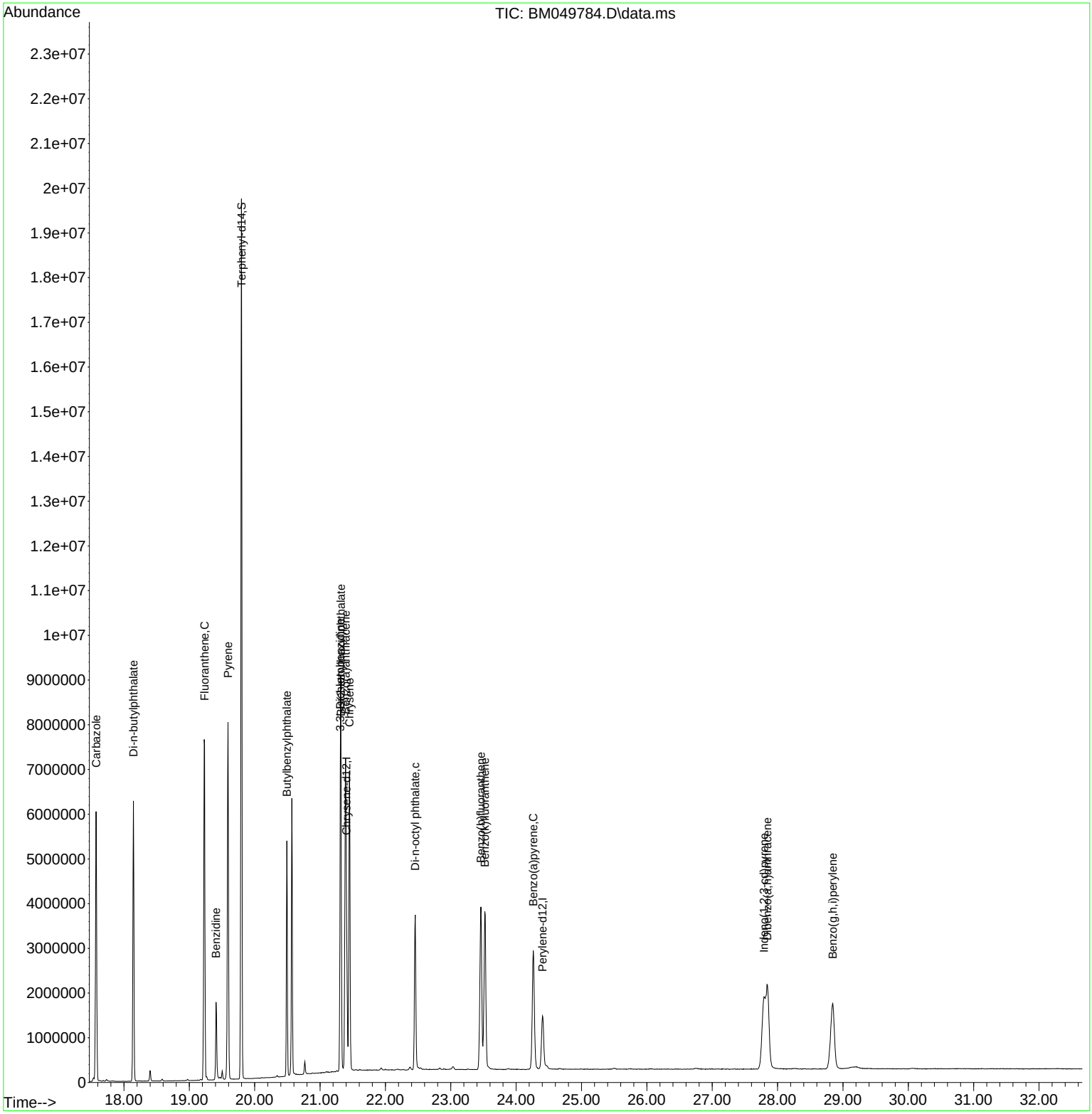
Quant Time: Apr 02 11:49:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

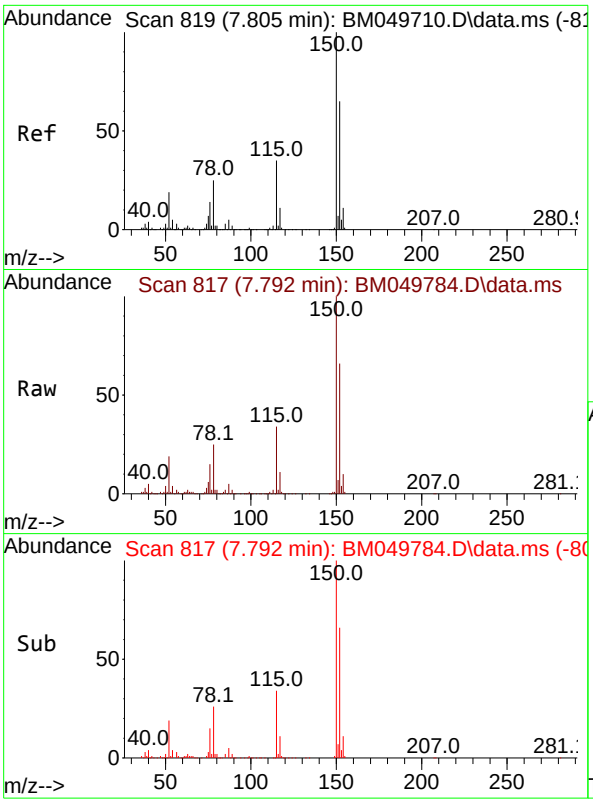


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049784.D
Acq On : 02 Apr 2025 10:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 02 11:49:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



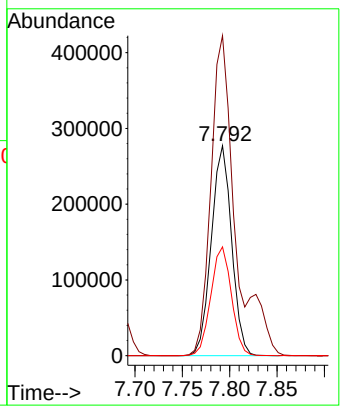


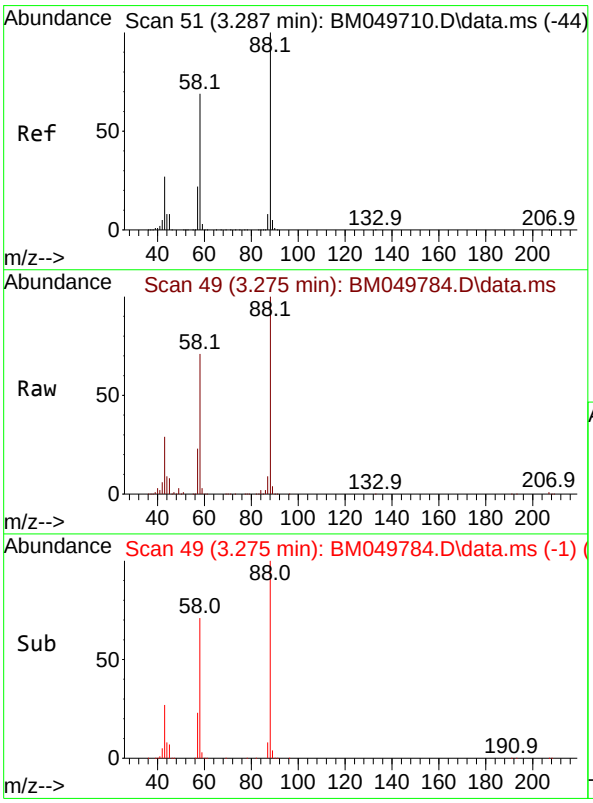
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.792 min Scan# 81
Delta R.T. -0.013 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 413916

Ion	Ratio	Lower	Upper
152	100		
150	152.4	123.8	185.8
115	51.8	43.0	64.6

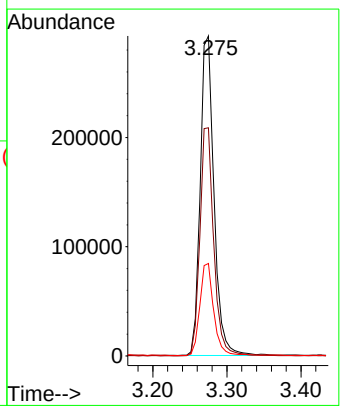


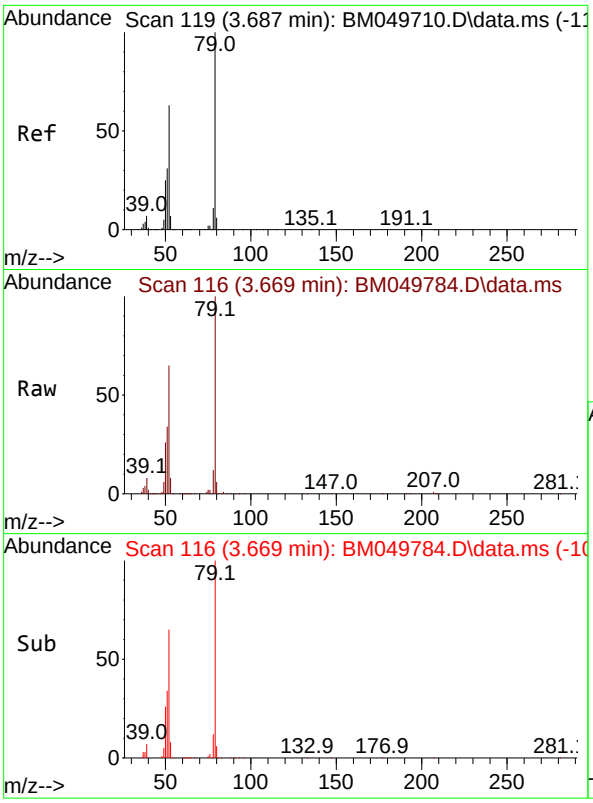


#2
1,4-Dioxane
Concen: 35.769 ng
RT: 3.275 min Scan# 49
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion: 88 Resp: 379847

Ion	Ratio	Lower	Upper
88	100		
58	72.0	56.7	85.1
43	29.0	22.6	34.0



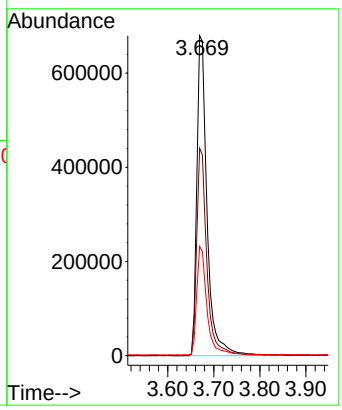


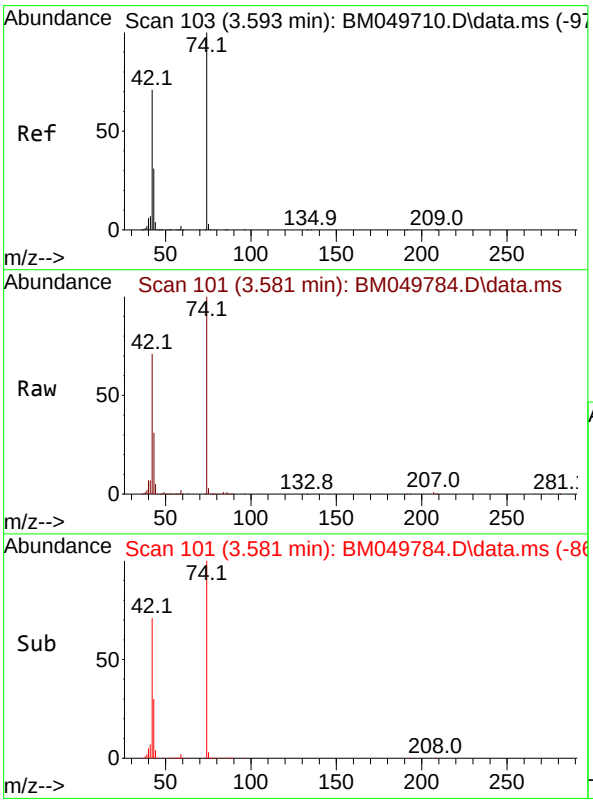
#3
Pyridine
Concen: 38.768 ng
RT: 3.669 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 1051393

Ion	Ratio	Lower	Upper
79	100		
52	64.8	50.1	75.1
51	34.1	25.2	37.8

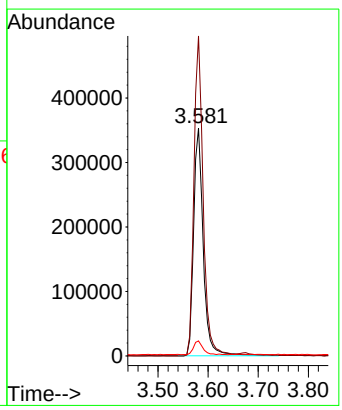


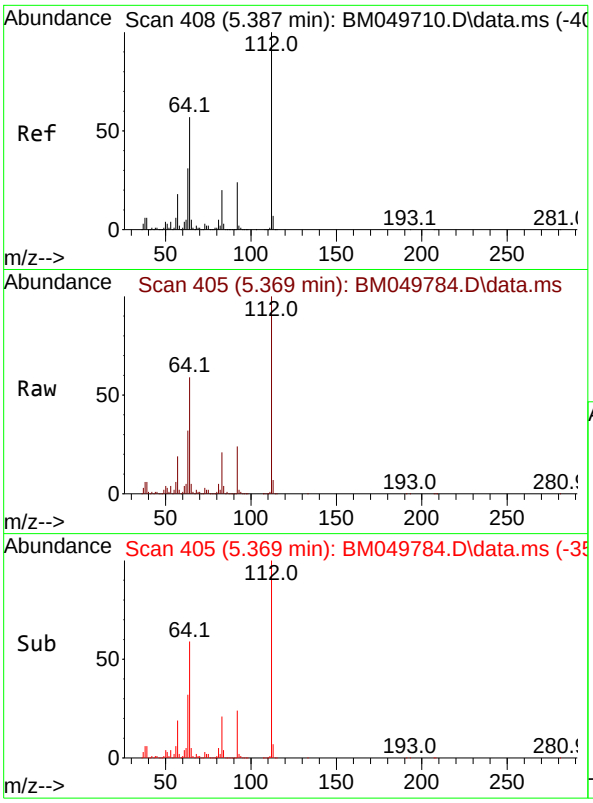


#4
n-Nitrosodimethylamine
Concen: 39.250 ng
RT: 3.581 min Scan# 101
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion: 42 Resp: 470994

Ion	Ratio	Lower	Upper
42	100		
74	140.4	112.6	168.8
44	6.6	5.0	7.6



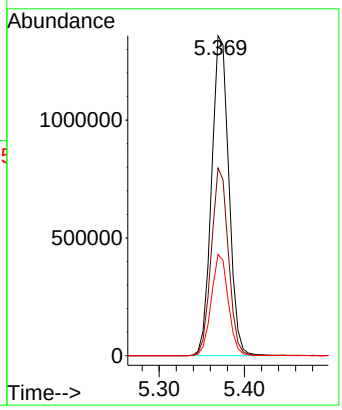


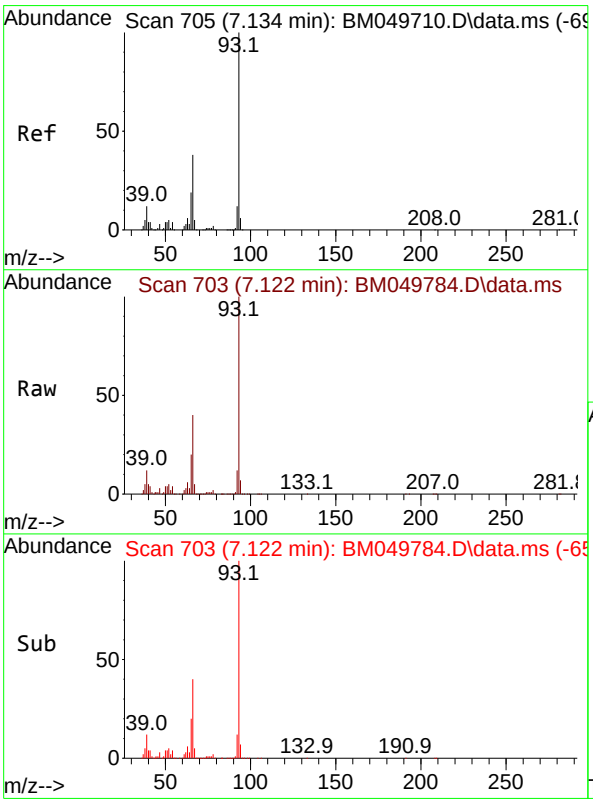
#5
2-Fluorophenol
Concen: 77.913 ng
RT: 5.369 min Scan# 4(
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1911273

Ion	Ratio	Lower	Upper
112	100		
64	58.7	45.3	67.9
63	31.6	24.4	36.6

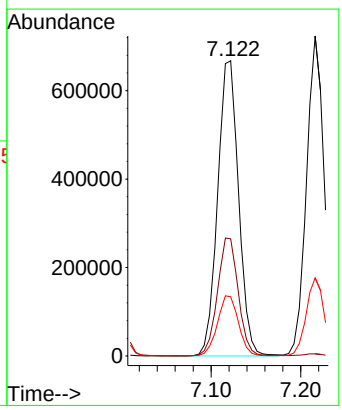


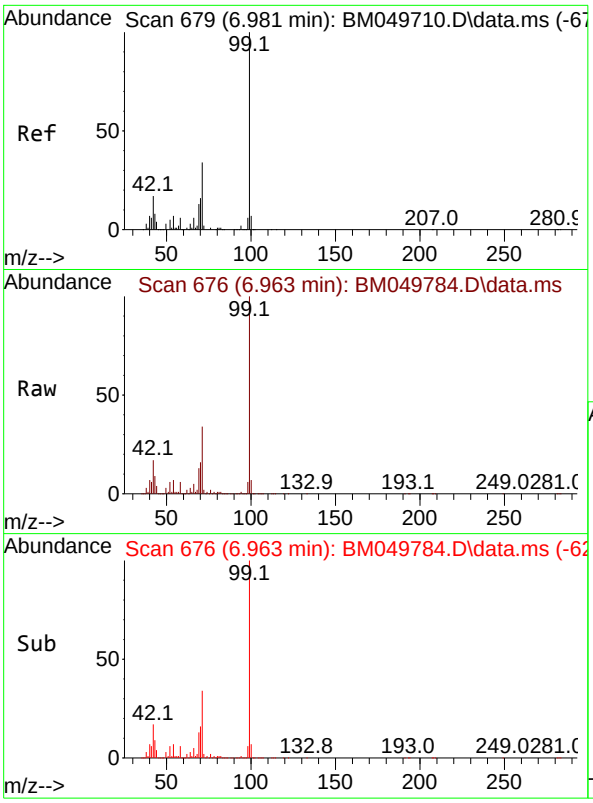


#6
Aniline
Concen: 42.010 ng
RT: 7.122 min Scan# 703
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion: 93 Resp: 1083496

Ion	Ratio	Lower	Upper
93	100		
66	39.7	30.6	46.0
65	20.0	15.4	23.2



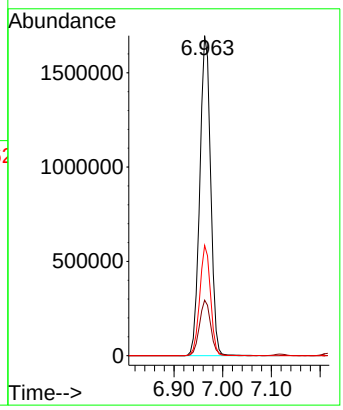


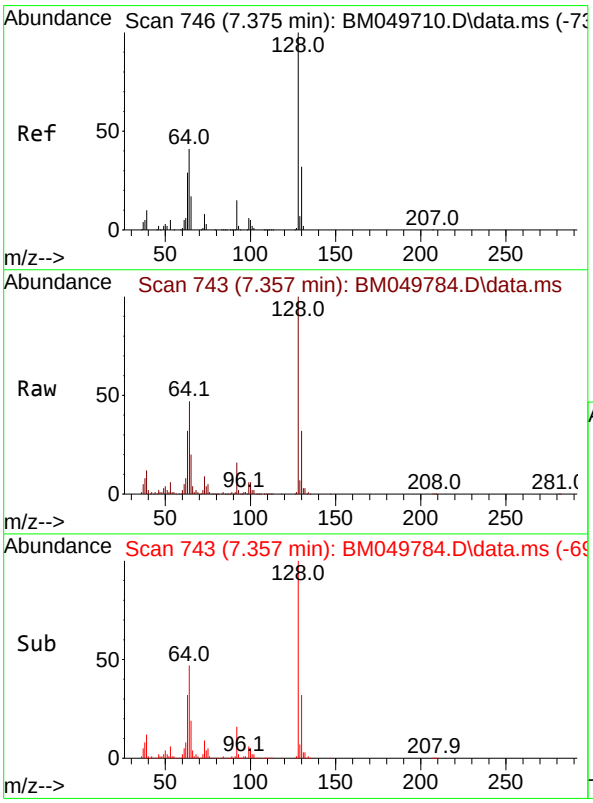
#7
Phenol-d6
Concen: 85.297 ng
RT: 6.963 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 2625863

Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.6	20.4
71	34.4	27.0	40.6

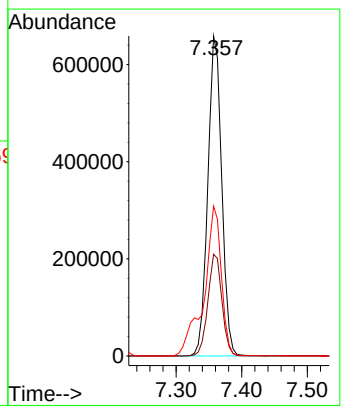


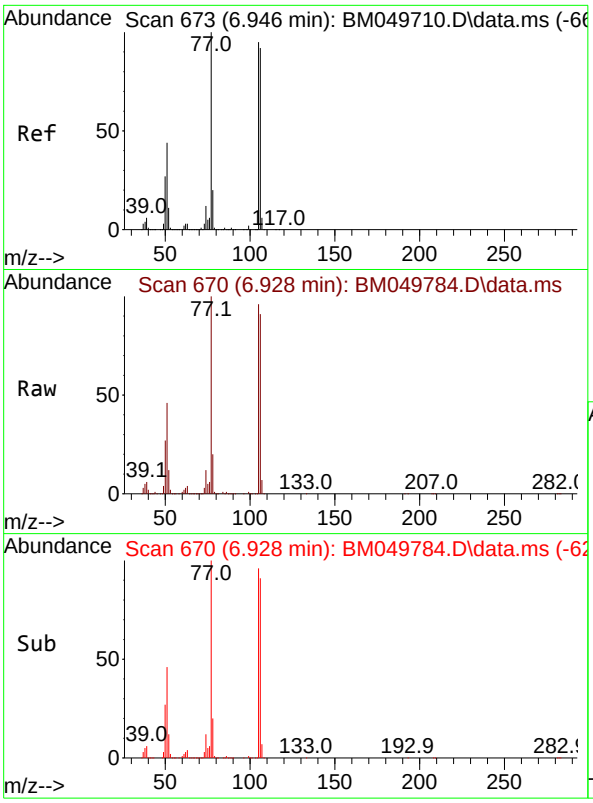


#8
2-Chlorophenol
Concen: 40.019 ng
RT: 7.357 min Scan# 743
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:128 Resp: 972170

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.5	52.5
64	46.8	24.9	64.9



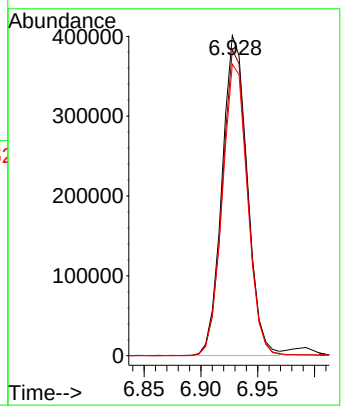


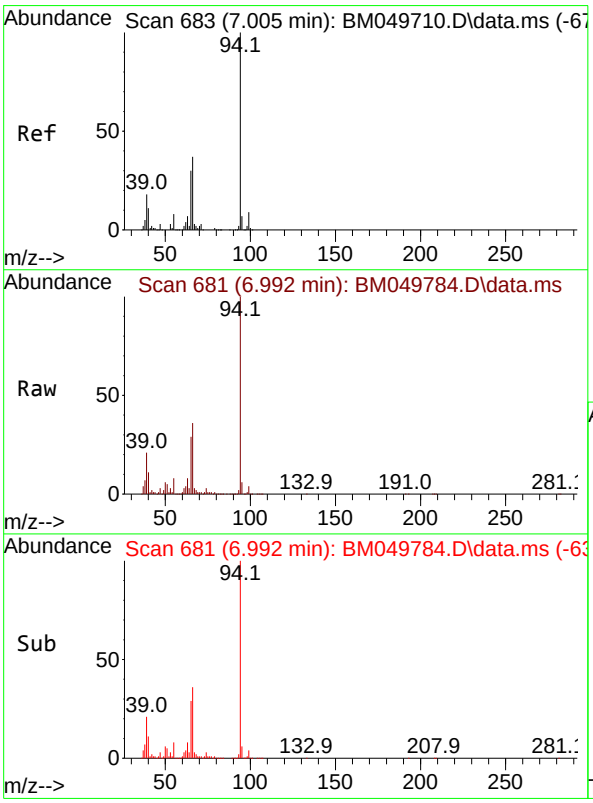
#9
Benzaldehyde
Concen: 40.741 ng
RT: 6.928 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 620037

Ion	Ratio	Lower	Upper
77	100		
105	95.6	75.0	115.0
106	91.1	72.3	112.3

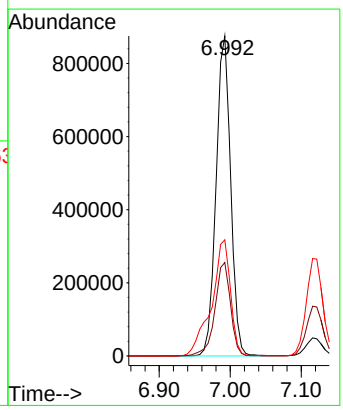


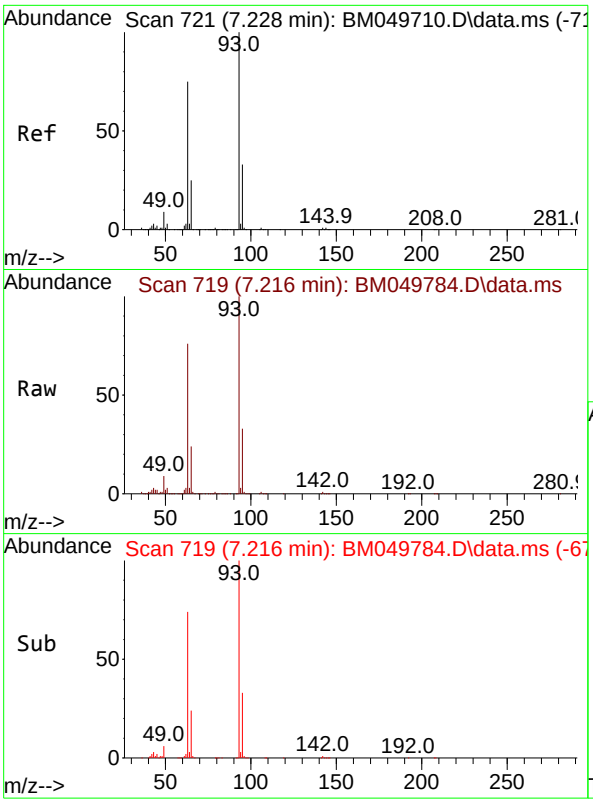


#10
Phenol
Concen: 41.621 ng
RT: 6.992 min Scan# 681
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion: 94 Resp: 1242407

Ion	Ratio	Lower	Upper
94	100		
65	29.2	10.4	50.4
66	36.3	17.1	57.1



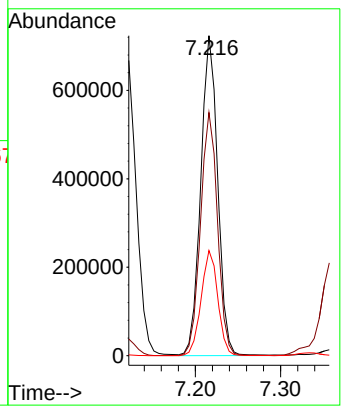


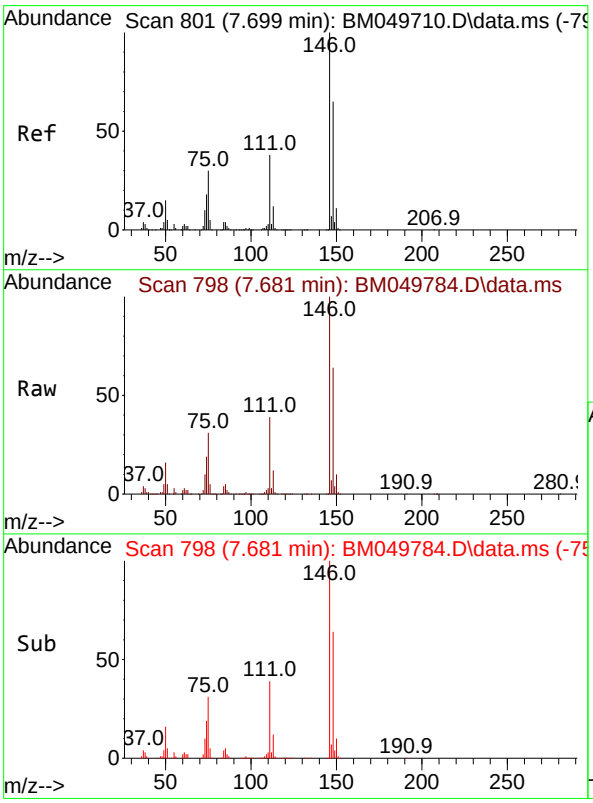
#11
bis(2-Chloroethyl)ether
Concen: 41.386 ng
RT: 7.216 min Scan# 71
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 1000408

Ion	Ratio	Lower	Upper
93	100		
63	76.0	54.8	94.8
95	32.9	12.8	52.8

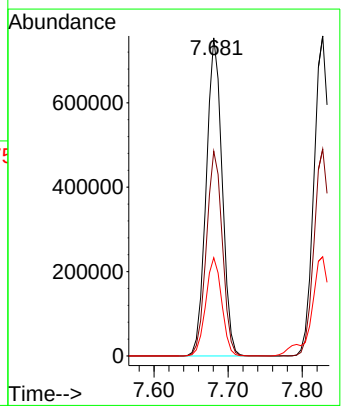


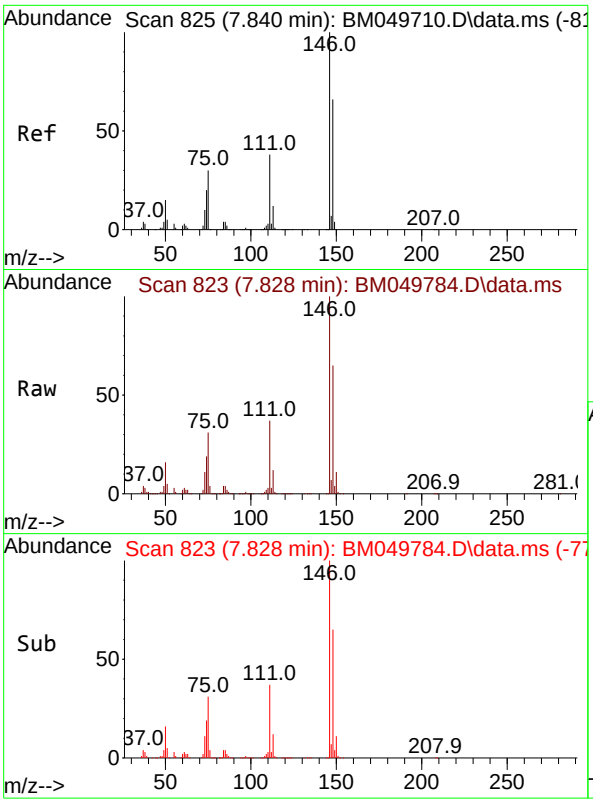


#12
1,3-Dichlorobenzene
Concen: 38.024 ng
RT: 7.681 min Scan# 798
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:146 Resp: 1122534

Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.3	78.5
75	30.9	24.2	36.2



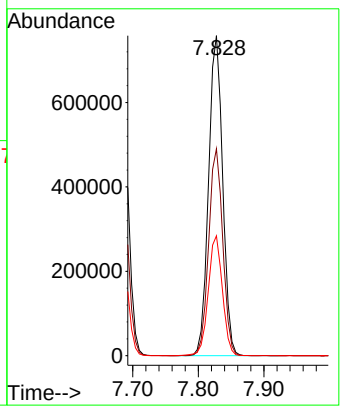


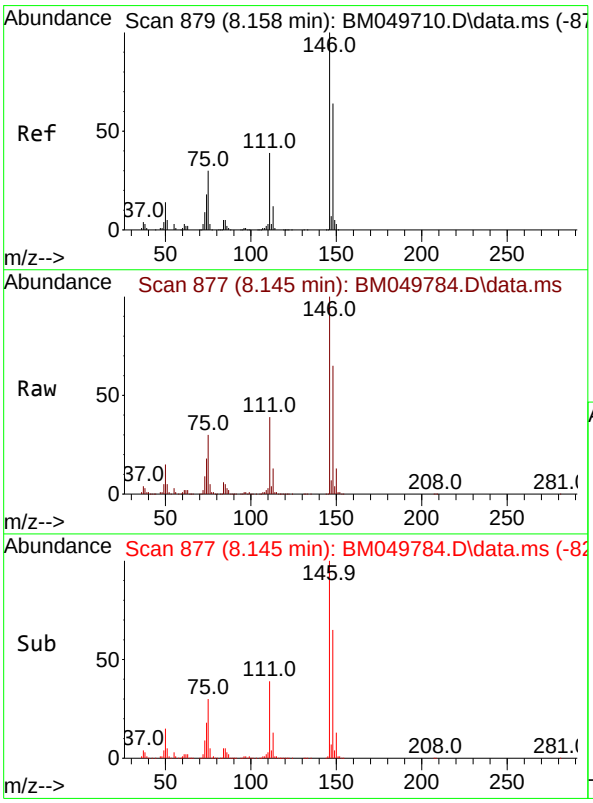
#13
1,4-Dichlorobenzene
Concen: 38.034 ng
RT: 7.828 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 1132766

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.6	79.0
111	37.4	30.8	46.2

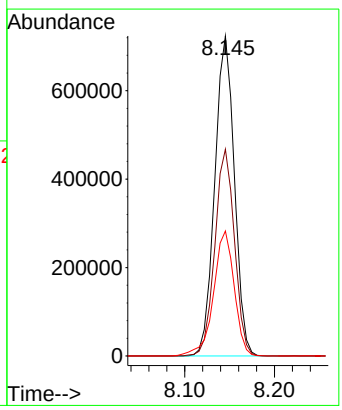


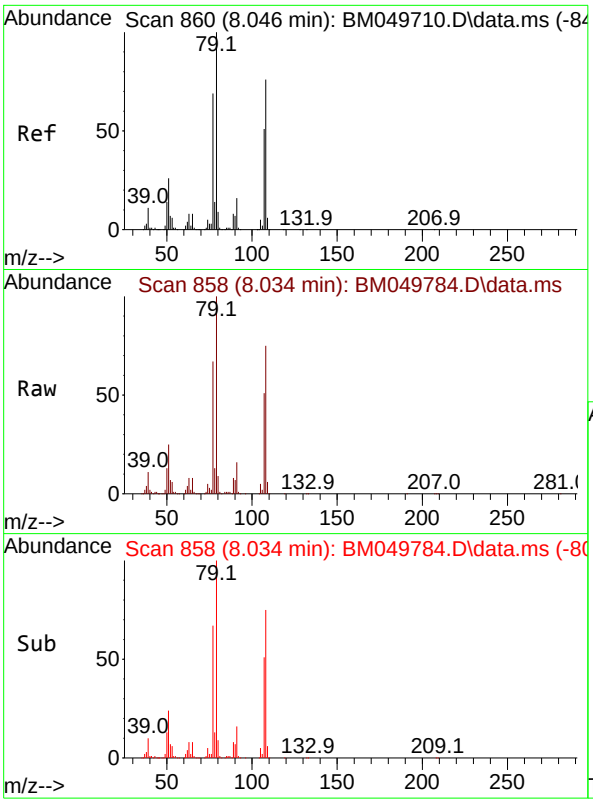


#14
1,2-Dichlorobenzene
Concen: 38.785 ng
RT: 8.145 min Scan# 877
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:146 Resp: 1097795

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.9	76.3
111	39.0	31.0	46.6



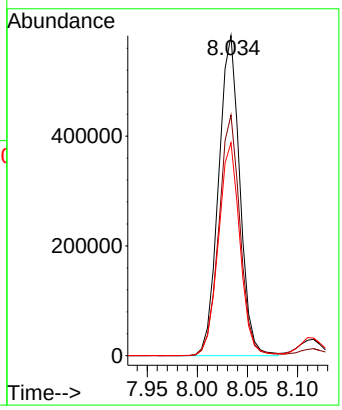


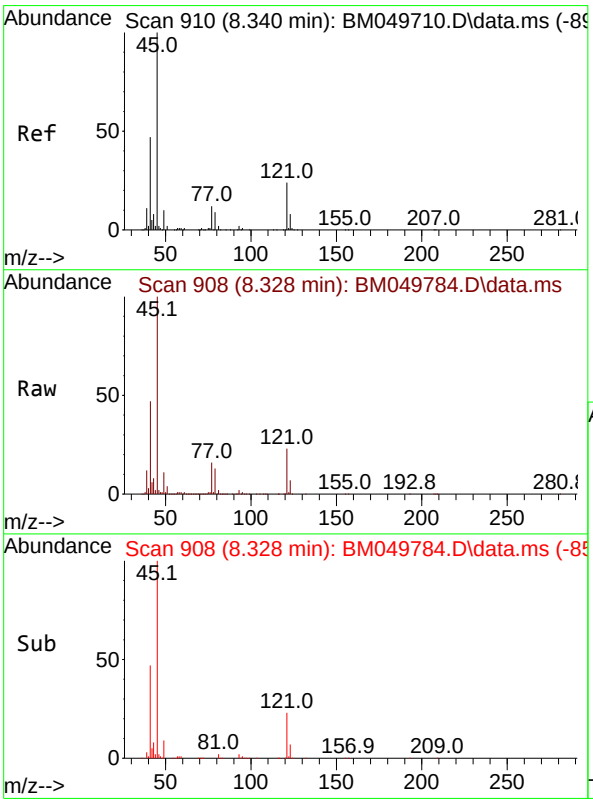
#15
Benzyl Alcohol
Concen: 44.442 ng
RT: 8.034 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 858563

Ion	Ratio	Lower	Upper
79	100		
108	75.2	60.7	91.1
77	66.5	55.4	83.2

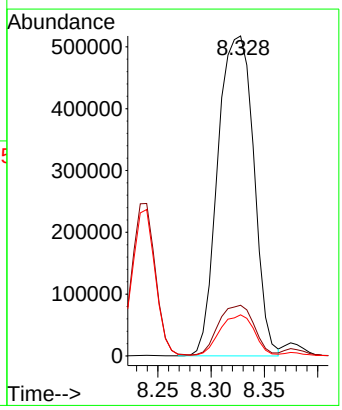


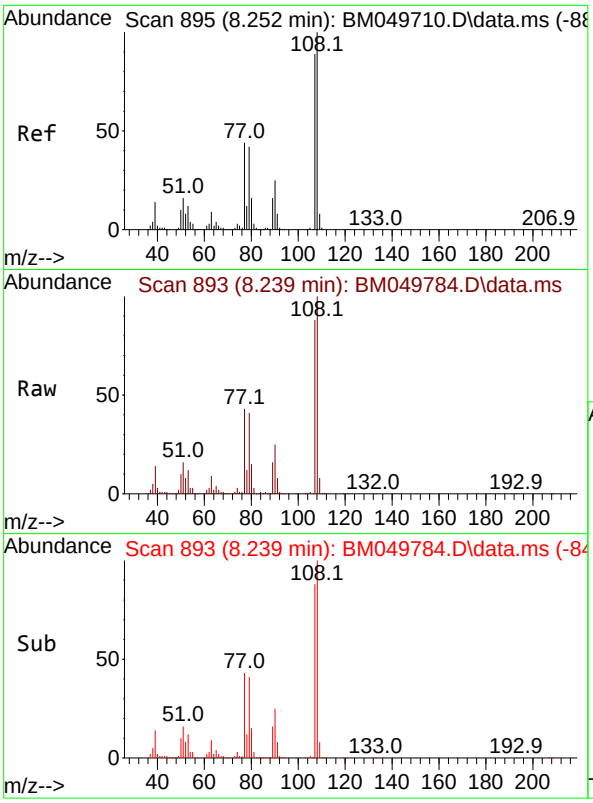


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.607 ng
RT: 8.328 min Scan# 908
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion: 45 Resp: 1210486

Ion	Ratio	Lower	Upper
45	100		
77	15.9	0.0	36.1
79	12.9	0.0	32.8



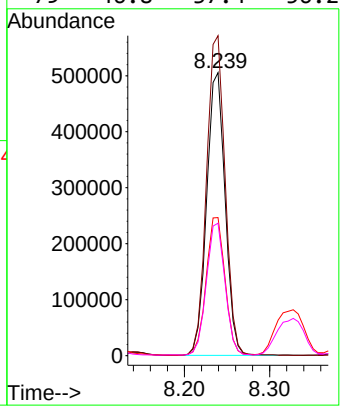


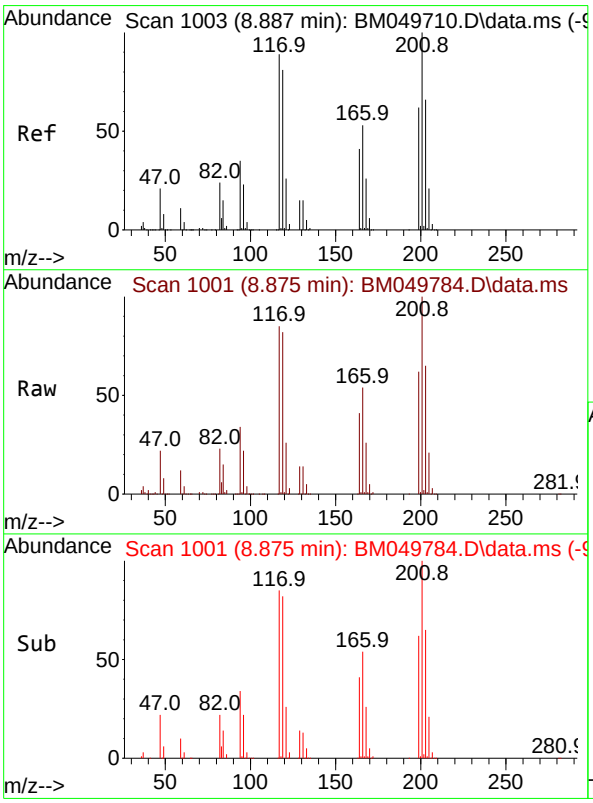
#17
2-Methylphenol
Concen: 42.882 ng
RT: 8.239 min Scan# 8
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 759954

Ion	Ratio	Lower	Upper
107	100		
108	113.0	89.6	134.4
77	48.8	39.8	59.6
79	46.8	37.4	56.2

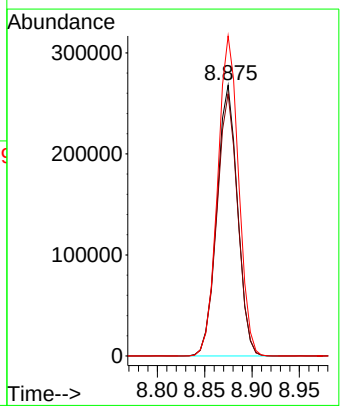


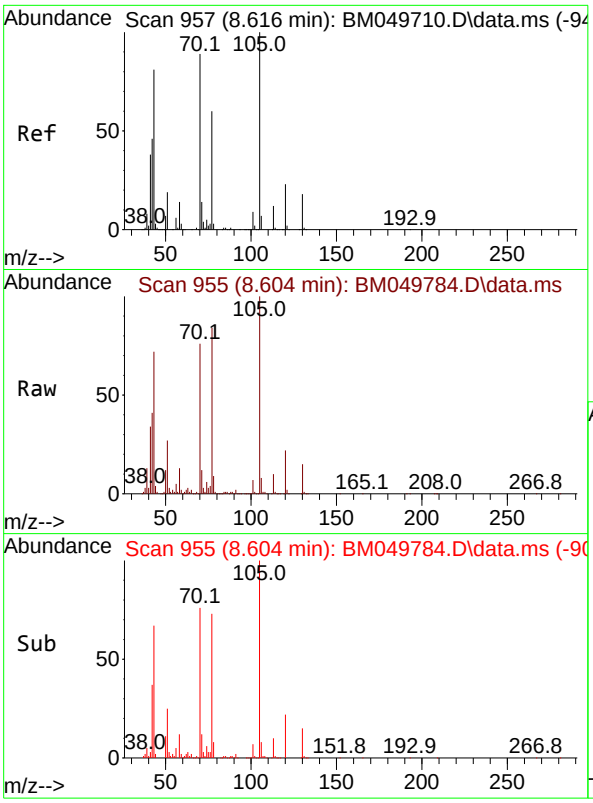


#18
Hexachloroethane
Concen: 38.787 ng
RT: 8.875 min Scan# 1001
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:117 Resp: 407943

Ion	Ratio	Lower	Upper
117	100		
119	96.8	73.1	109.7
201	118.2	90.0	135.0



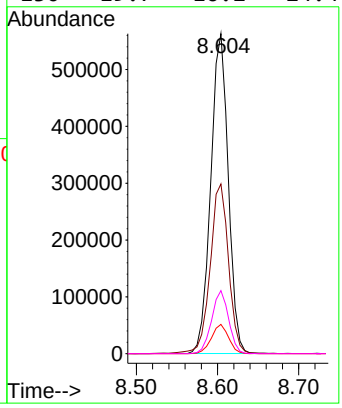


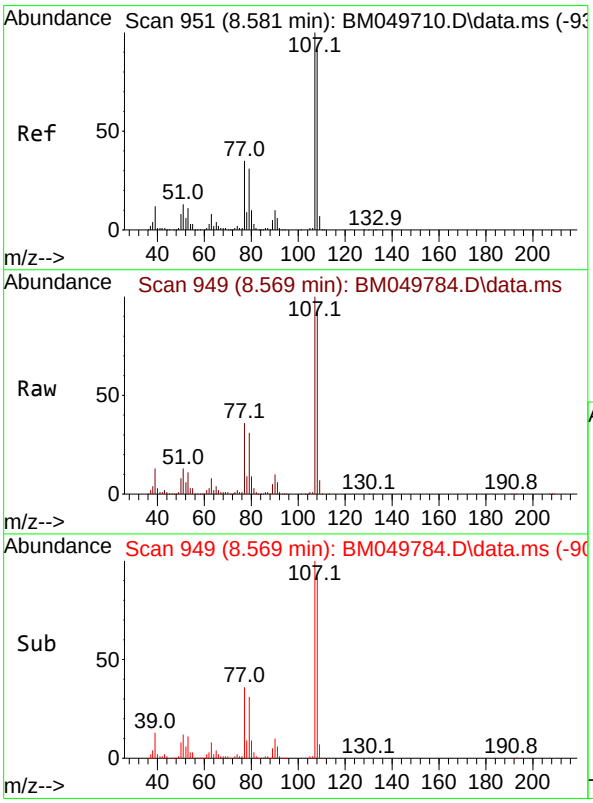
#19
n-Nitroso-di-n-propylamine
Concen: 47.112 ng
RT: 8.604 min Scan# 9
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 840999

Ion	Ratio	Lower	Upper
70	100		
42	53.1	41.8	62.6
101	9.1	7.7	11.5
130	19.7	16.2	24.4

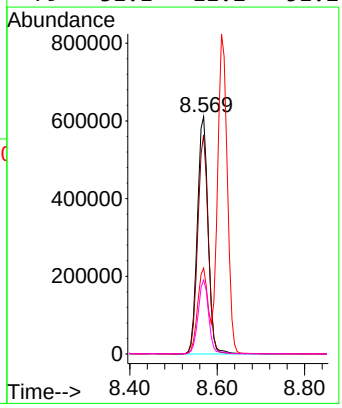


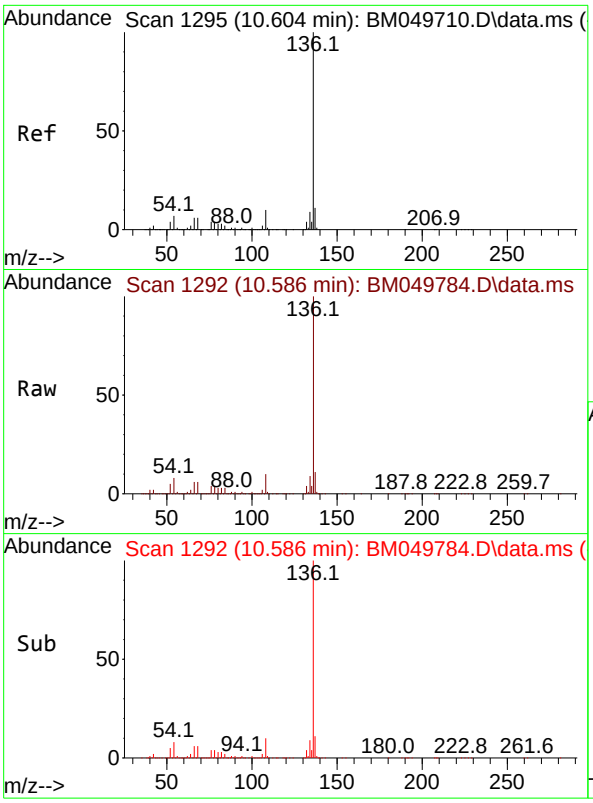


#20
3+4-Methylphenols
Concen: 44.156 ng
RT: 8.569 min Scan# 949
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:107 Resp: 1048683

Ion	Ratio	Lower	Upper
107	100		
108	92.3	71.0	111.0
77	36.2	15.1	55.1
79	31.1	11.2	51.2



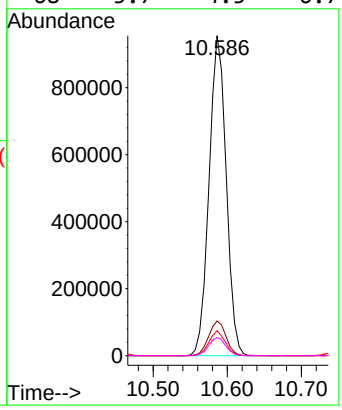


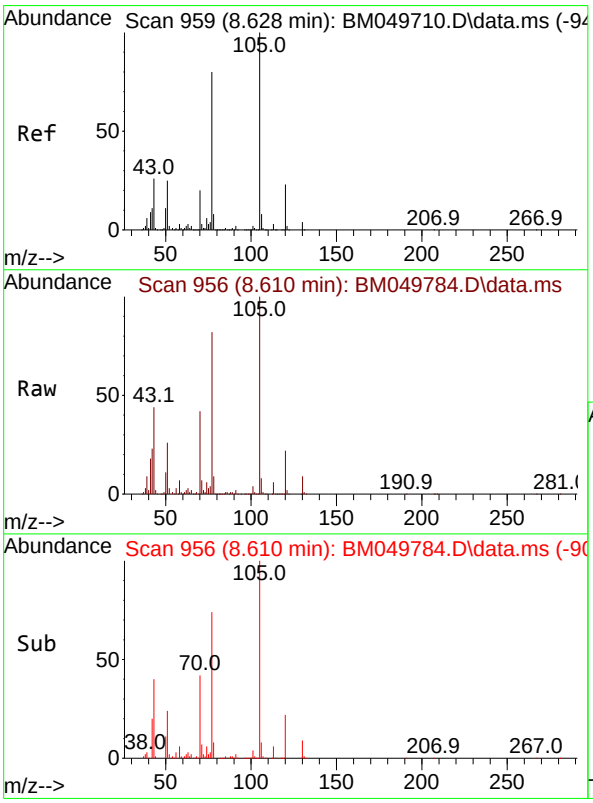
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.586 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1531700

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	7.8	5.8	8.8
68	5.7	4.5	6.7

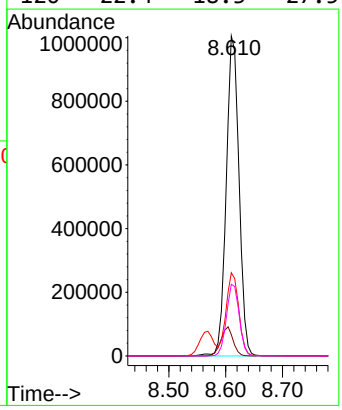


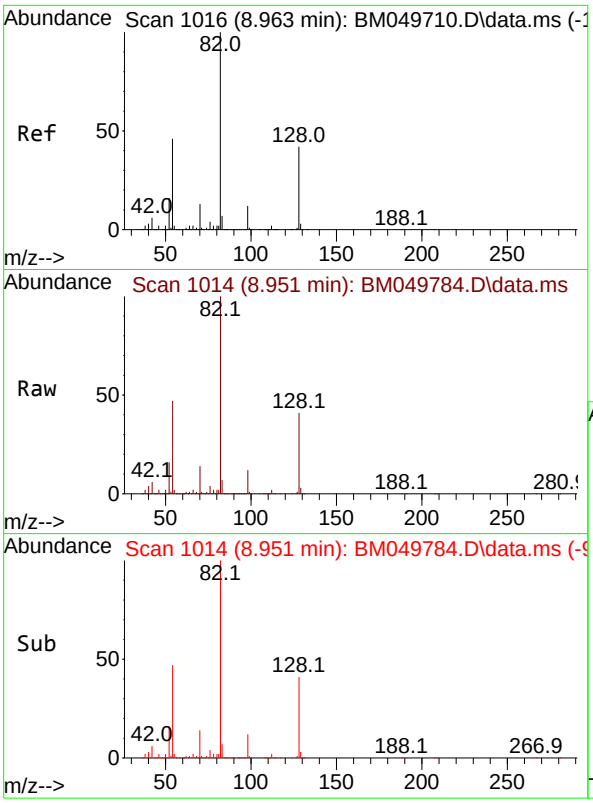


#22
Acetophenone
Concen: 39.917 ng
RT: 8.610 min Scan# 956
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:105 Resp: 1576483

Ion	Ratio	Lower	Upper
105	100		
71	6.7	2.5	3.7#
51	26.0	19.9	29.9
120	22.4	18.3	27.5



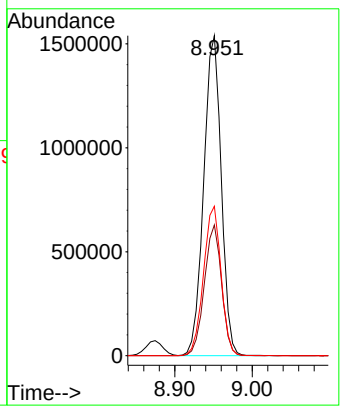


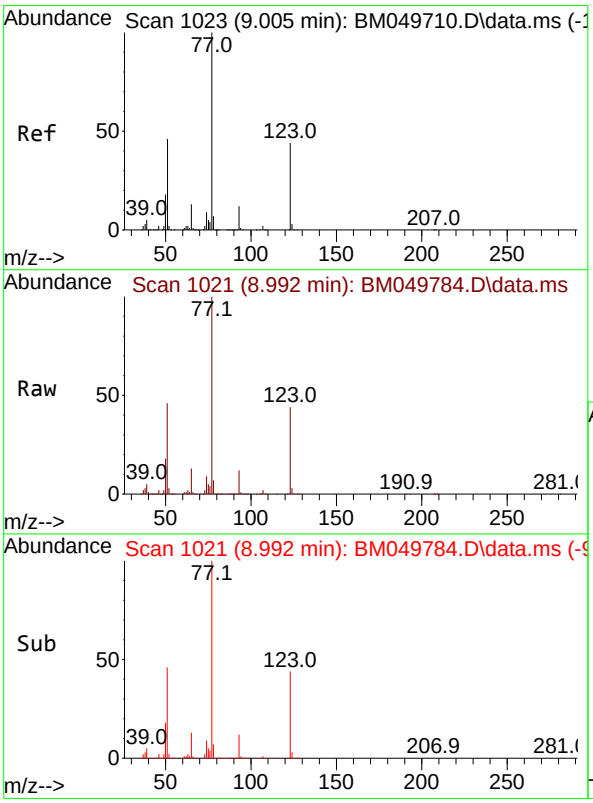
#23
Nitrobenzene-d5
Concen: 80.959 ng
RT: 8.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 2415286

Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.4	50.0
54	46.7	36.4	54.6

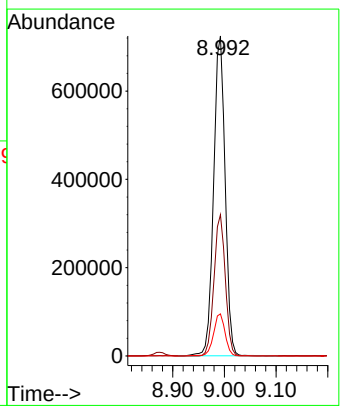


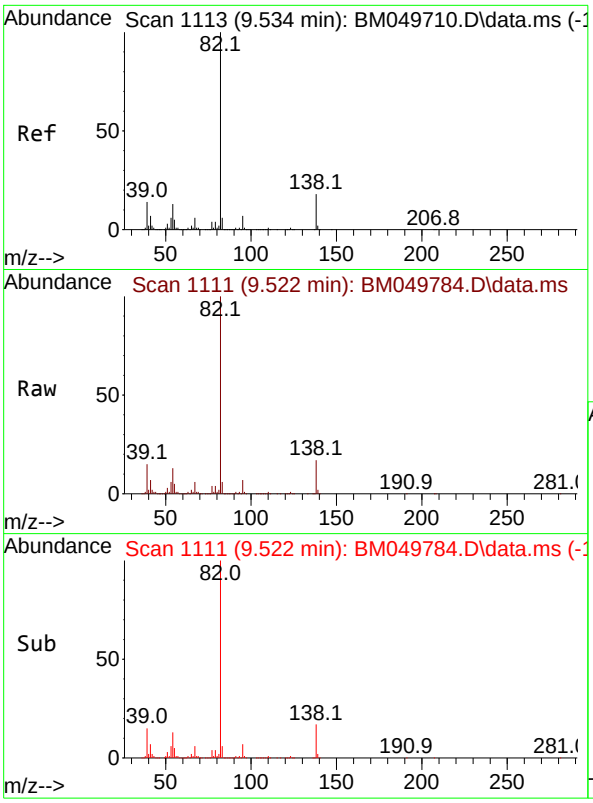


#24
Nitrobenzene
Concen: 39.772 ng
RT: 8.992 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion: 77 Resp: 1118820

Ion	Ratio	Lower	Upper
77	100		
123	44.2	34.9	52.3
65	13.2	10.6	15.8



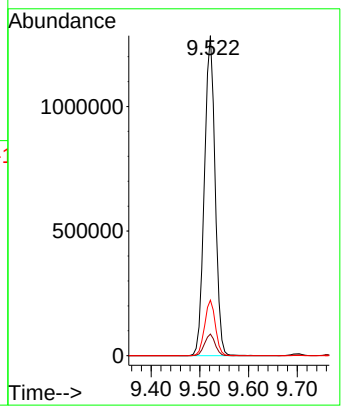


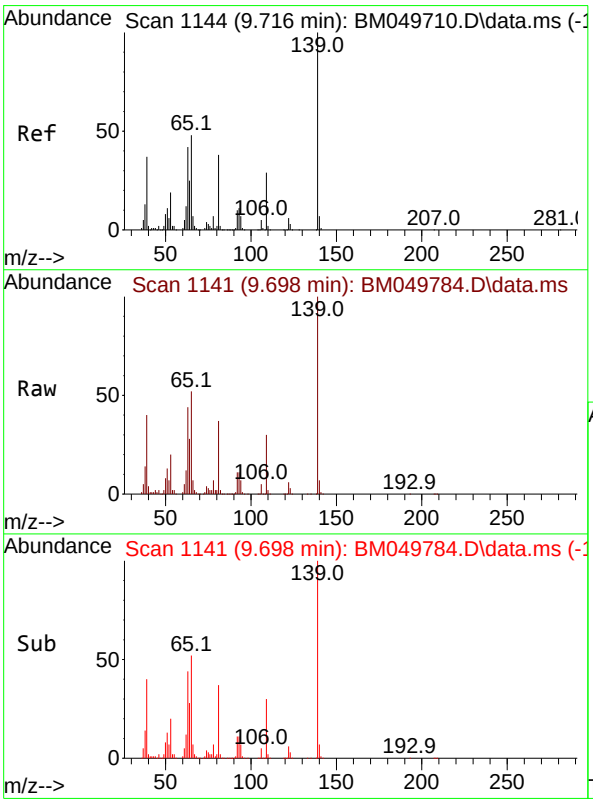
#25
Isophorone
Concen: 42.643 ng
RT: 9.522 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1953277

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.3	7.9
138	17.4	14.4	21.6

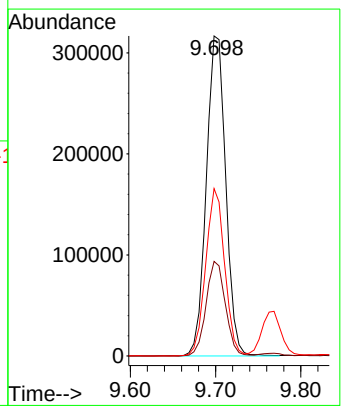


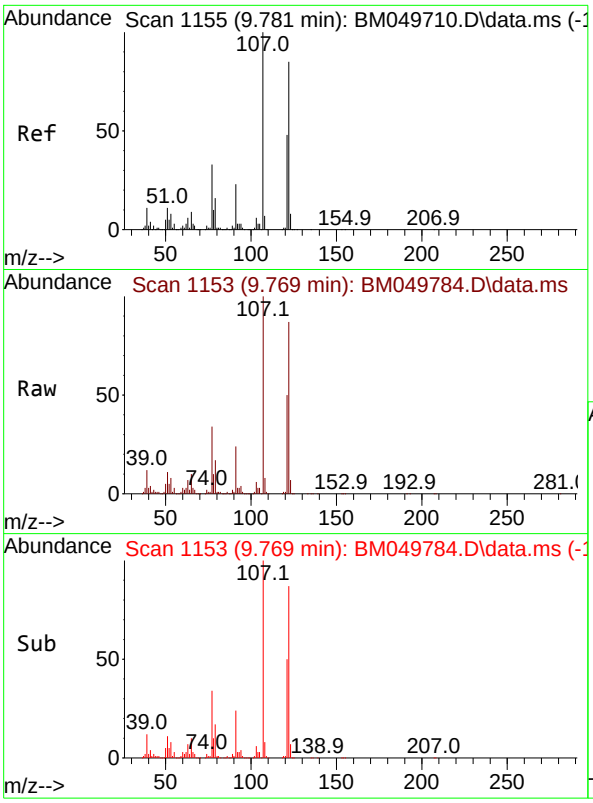


#26
2-Nitrophenol
Concen: 41.834 ng
RT: 9.698 min Scan# 1141
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:139 Resp: 500885

Ion	Ratio	Lower	Upper
139	100		
109	29.5	23.3	34.9
65	52.3	38.6	58.0



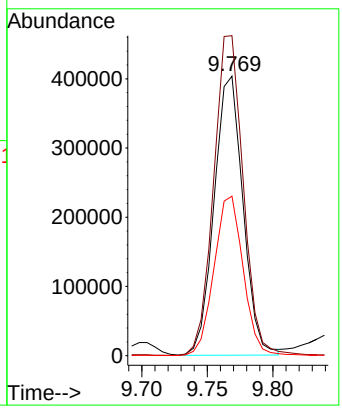


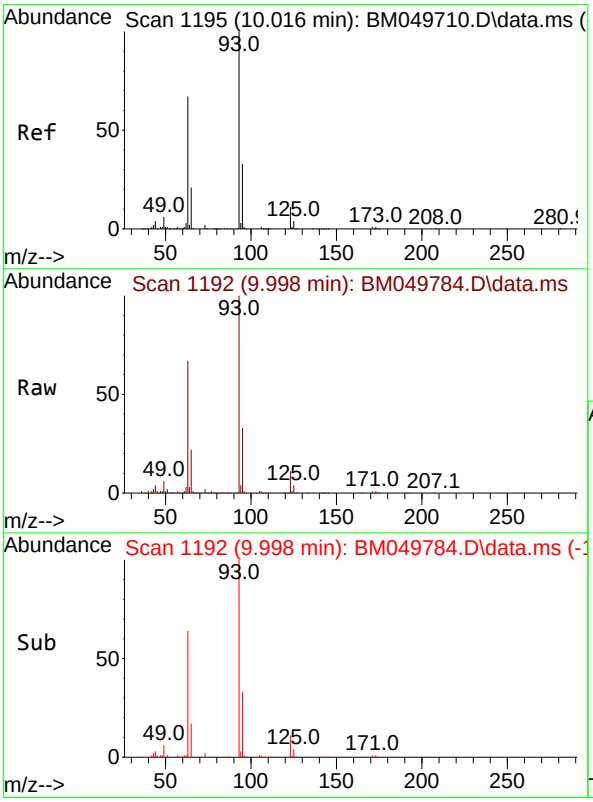
#27
2,4-Dimethylphenol
Concen: 40.545 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 617919

Ion	Ratio	Lower	Upper
122	100		
107	114.5	94.3	141.5
121	57.0	45.4	68.2

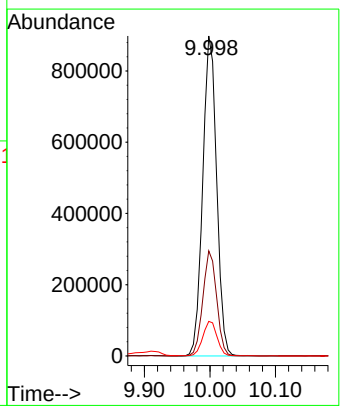


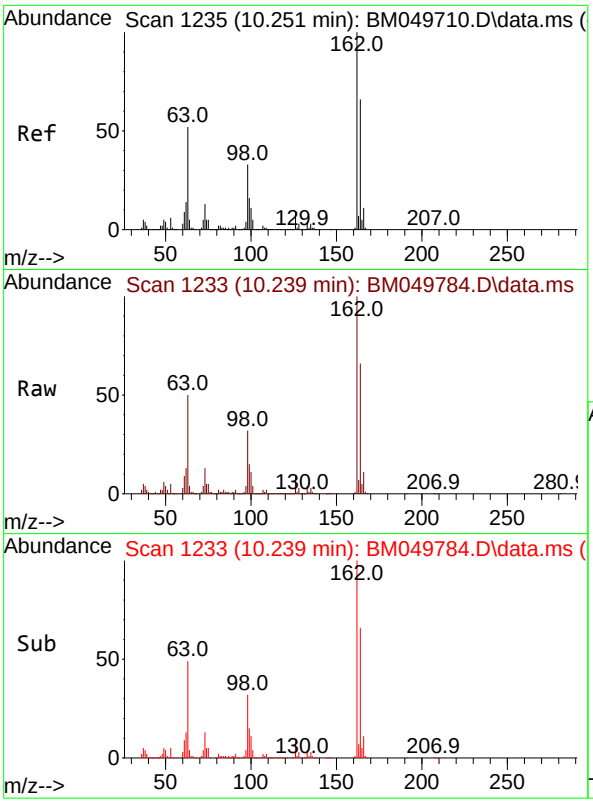


#28
bis(2-Chloroethoxy)methane
Concen: 41.202 ng
RT: 9.998 min Scan# 1192
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion: 93 Resp: 1329233

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.6	40.0
123	10.8	9.0	13.6



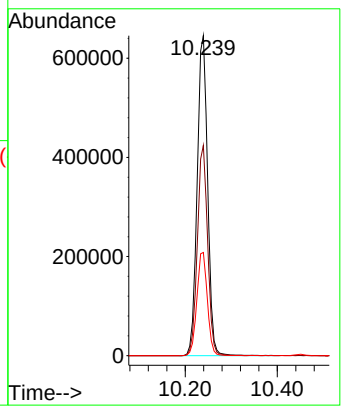


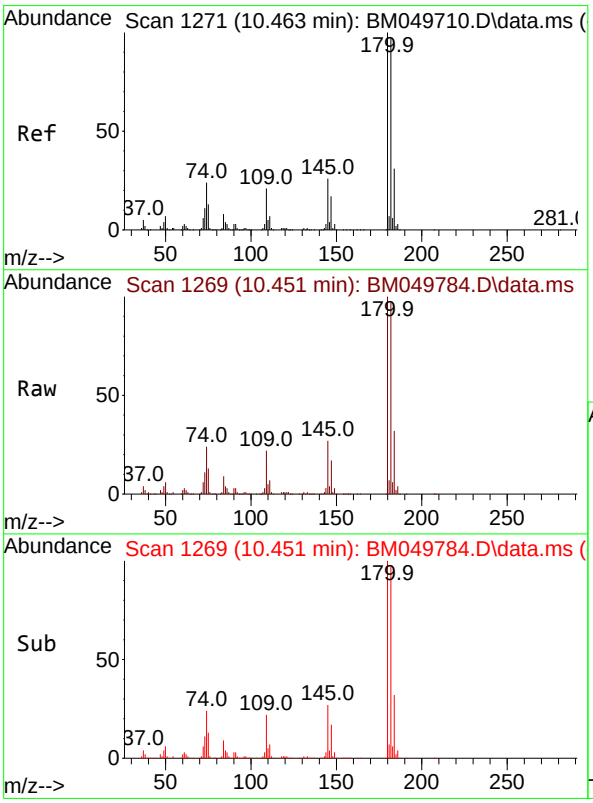
#29
2,4-Dichlorophenol
Concen: 40.907 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1015863

Ion	Ratio	Lower	Upper
162	100		
164	65.7	46.3	86.3
98	32.2	12.8	52.8

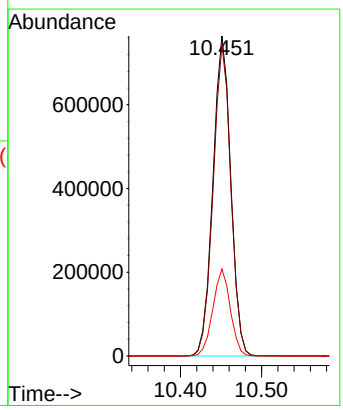


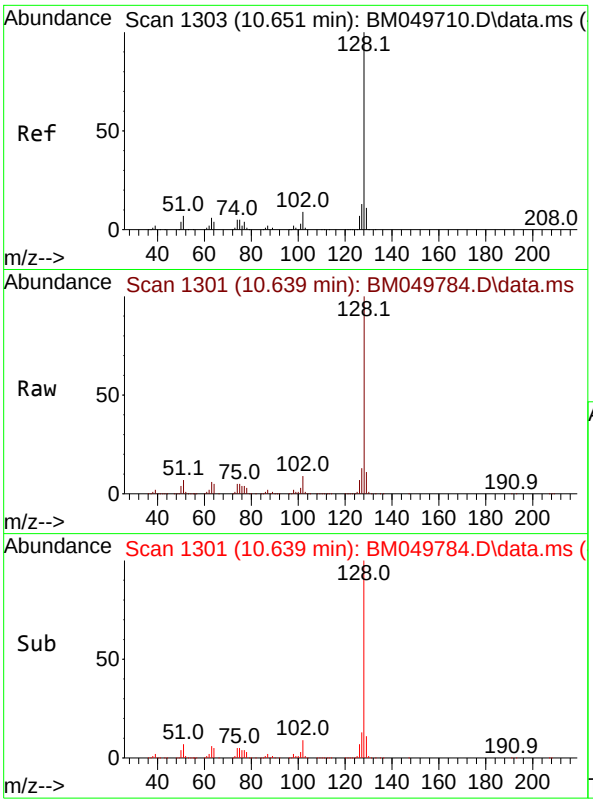


#30
1,2,4-Trichlorobenzene
Concen: 37.560 ng
RT: 10.451 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:180 Resp: 1167005

Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.7	116.5
145	27.1	21.0	31.4



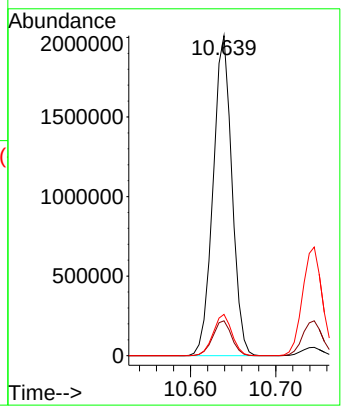


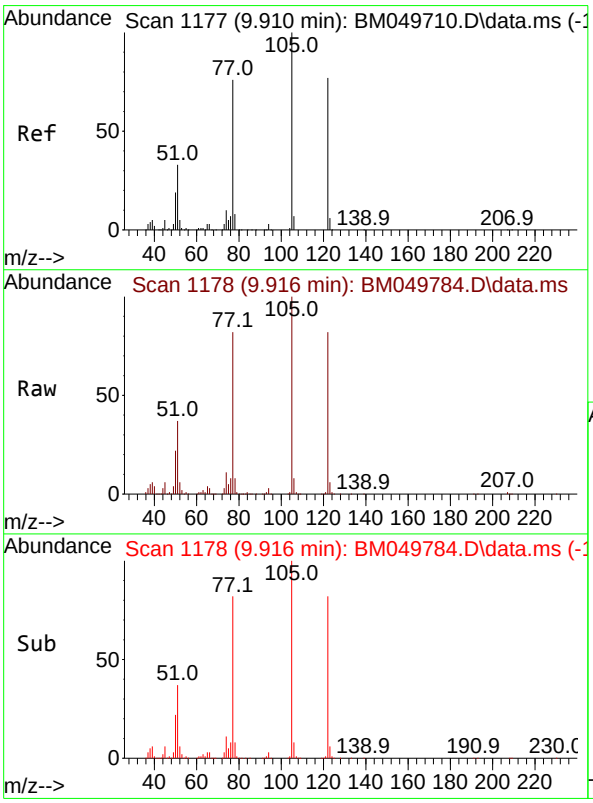
#31
Naphthalene
Concen: 39.137 ng
RT: 10.639 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 3082438

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.9	10.4	15.6

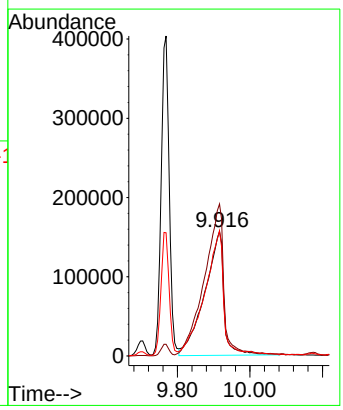


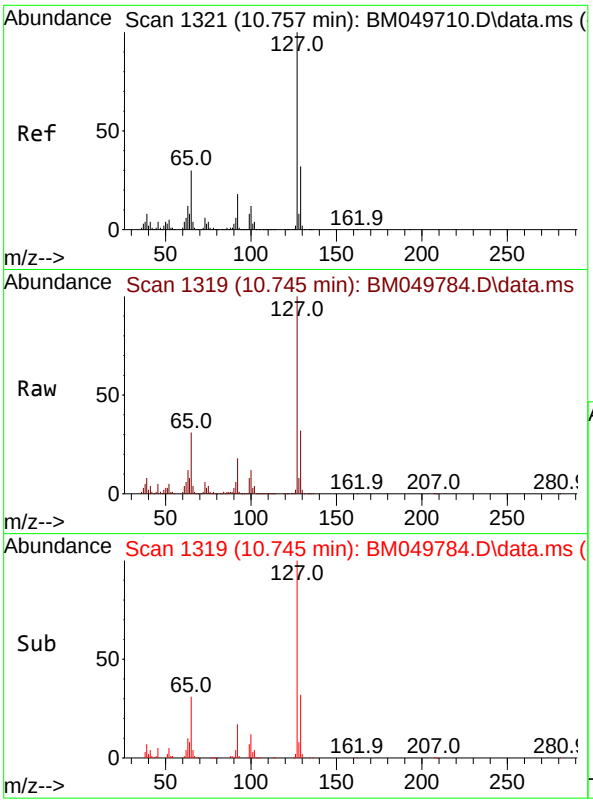


#32
Benzoic acid
Concen: 44.445 ng
RT: 9.916 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:122 Resp: 576066

Ion	Ratio	Lower	Upper
122	100		
105	122.2	105.6	145.6
77	100.7	76.9	116.9



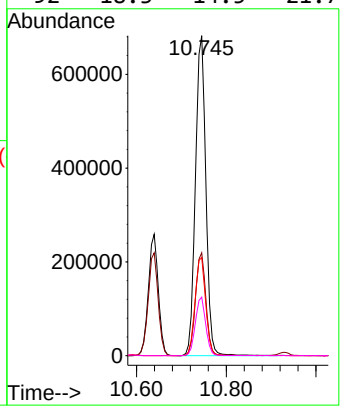


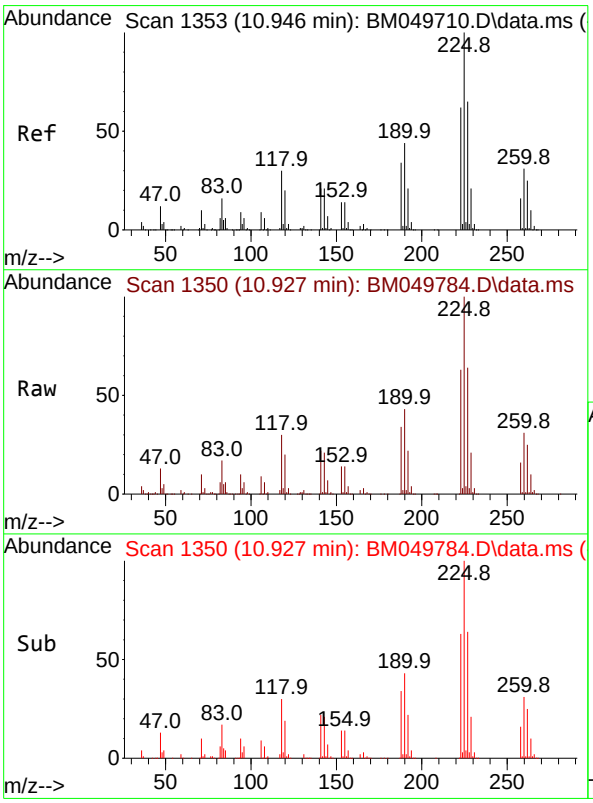
#33
4-Chloroaniline
Concen: 40.893 ng
RT: 10.745 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 1099168

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.7	38.5
65	30.7	24.1	36.1
92	18.3	14.5	21.7

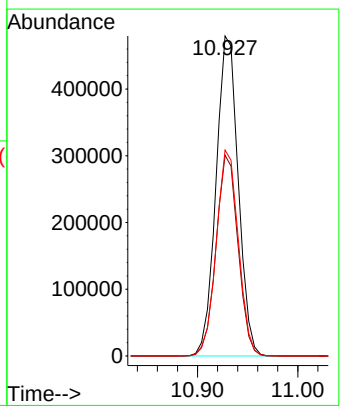


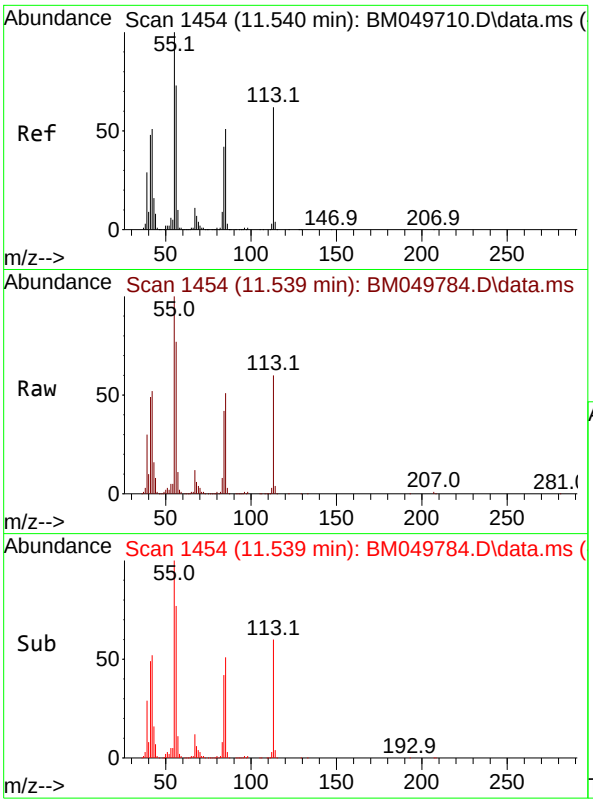


#34
Hexachlorobutadiene
Concen: 38.391 ng
RT: 10.927 min Scan# 1350
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:225 Resp: 736373

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.8	74.8
227	64.3	52.1	78.1



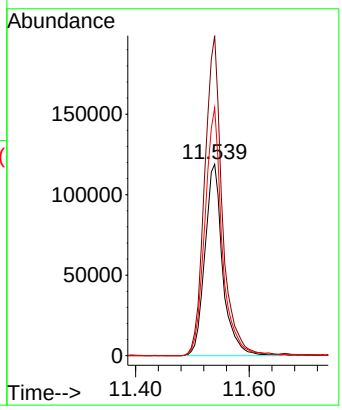


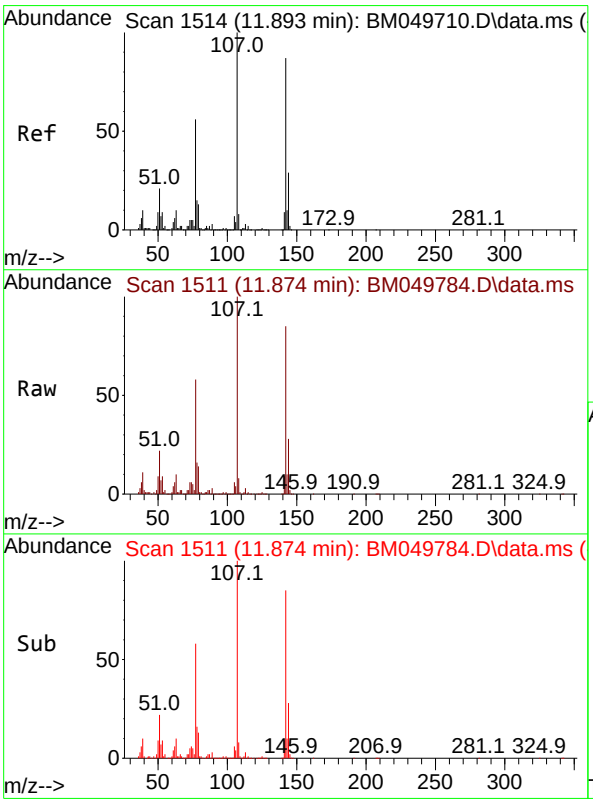
#35
Caprolactam
Concen: 44.663 ng
RT: 11.539 min Scan# 14
Delta R.T. -0.000 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 257509

Ion	Ratio	Lower	Upper
113	100		
55	167.1	141.8	181.8
56	129.5	98.0	138.0

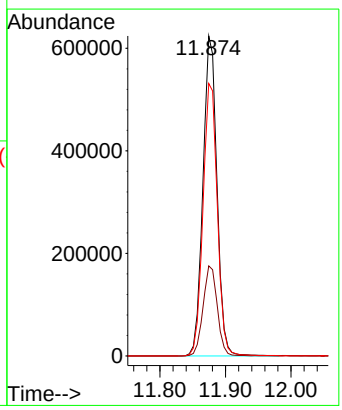


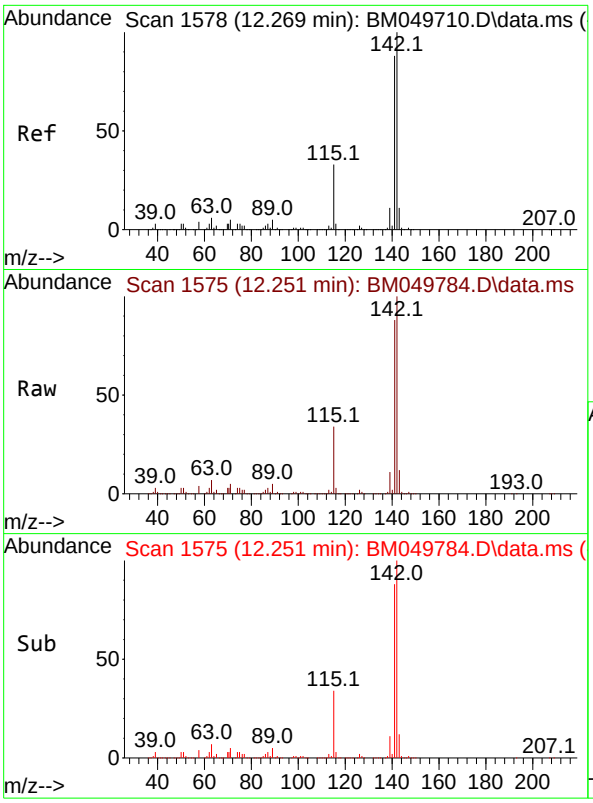


#36
4-Chloro-3-methylphenol
Concen: 43.568 ng
RT: 11.874 min Scan# 1511
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:107 Resp: 928492

Ion	Ratio	Lower	Upper
107	100		
144	28.2	23.0	34.6
142	85.2	69.8	104.8



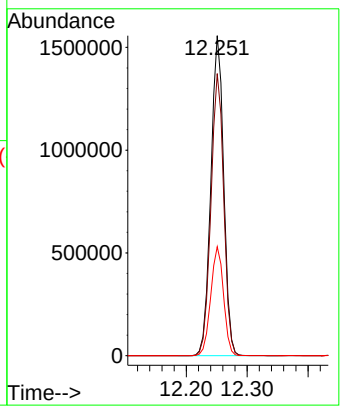


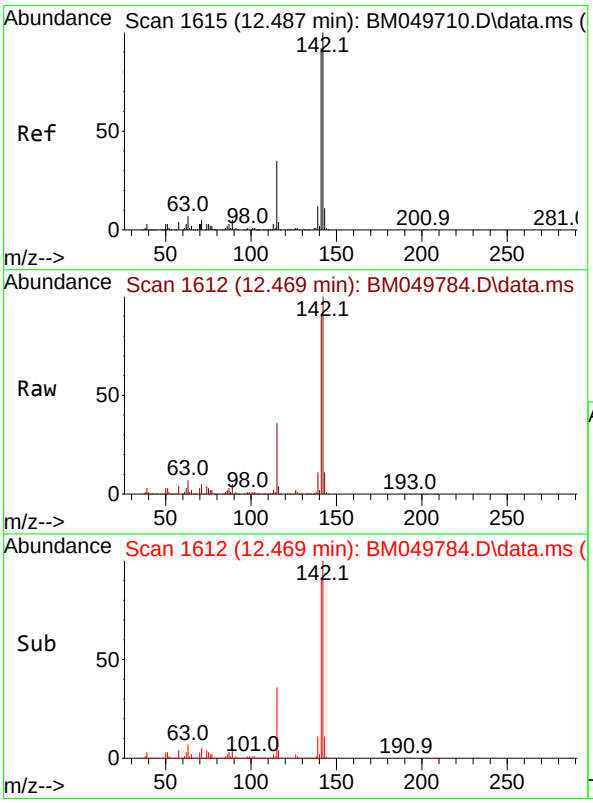
#37
2-Methylnaphthalene
Concen: 41.417 ng
RT: 12.251 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 2280955

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.5	105.7
115	34.0	26.5	39.7

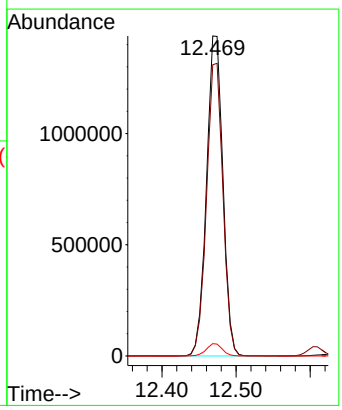


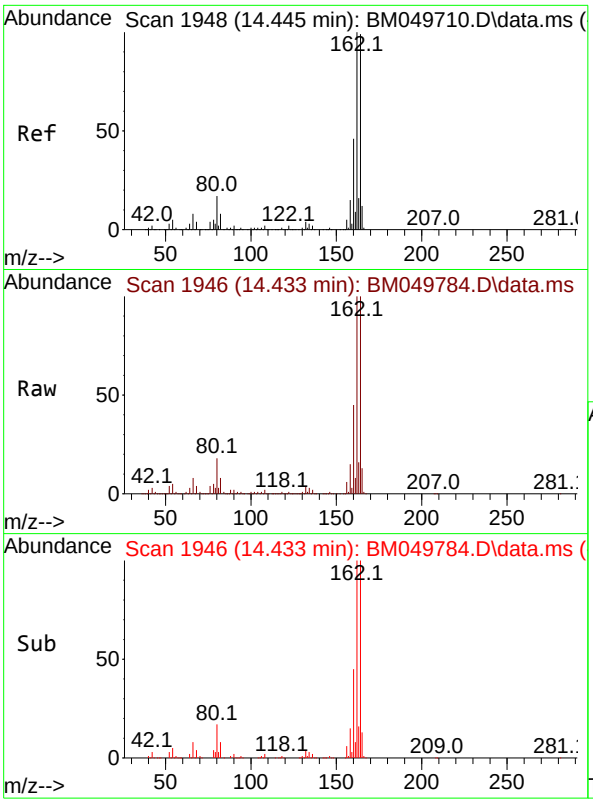


#38
1-Methylnaphthalene
Concen: 41.600 ng
RT: 12.469 min Scan# 1612
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:142 Resp: 2210384

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.4	110.2
116	3.8	2.8	4.2



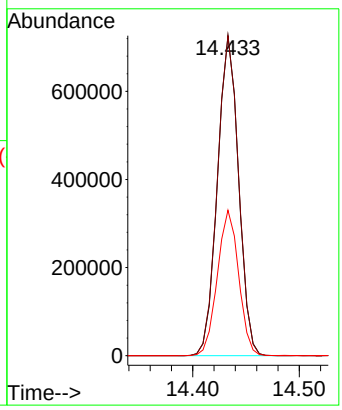


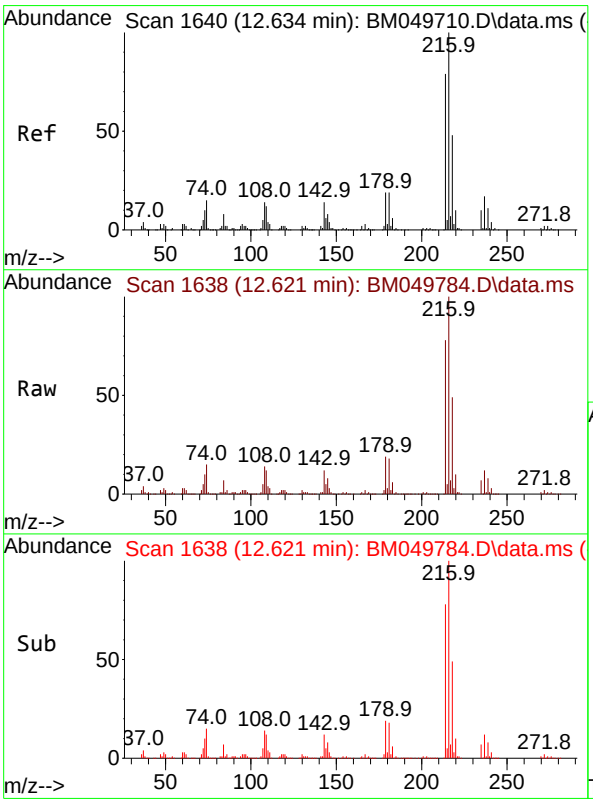
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.433 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 997714

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.5	120.7
160	45.4	36.9	55.3

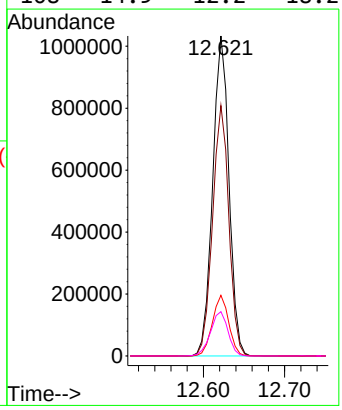


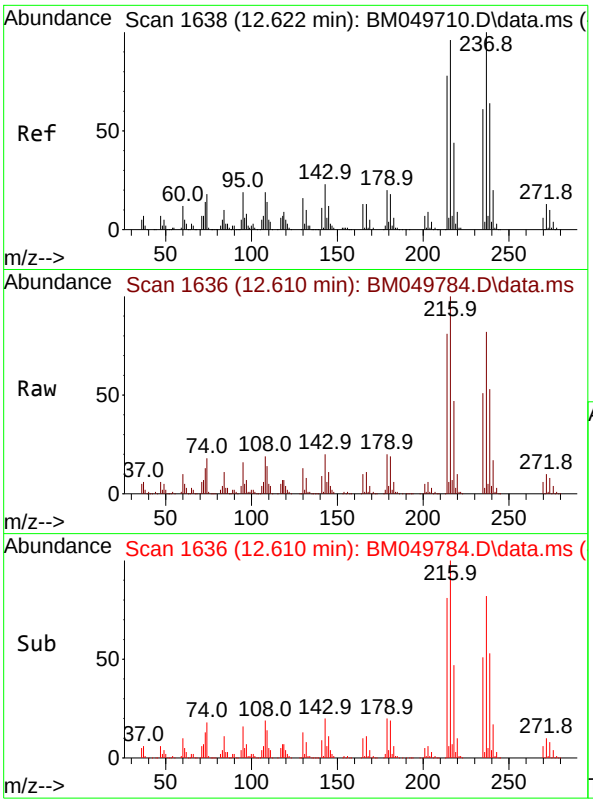


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.302 ng
RT: 12.621 min Scan# 1638
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:216 Resp: 1440326

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.5	95.3
179	19.1	15.7	23.5
108	14.9	12.2	18.2



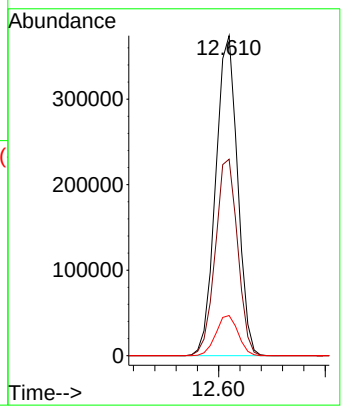


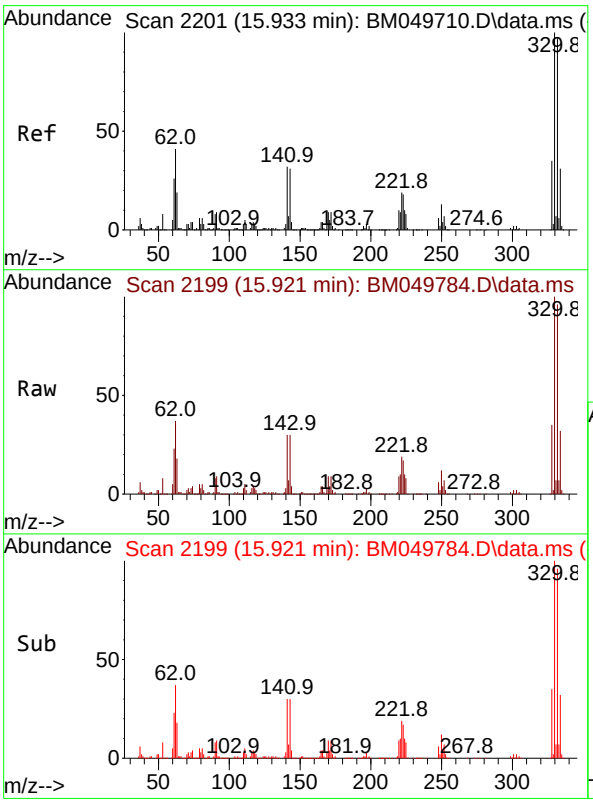
#41
Hexachlorocyclopentadiene
Concen: 39.231 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 532636

Ion	Ratio	Lower	Upper
237	100		
235	61.4	41.1	81.1
272	12.5	0.0	32.5

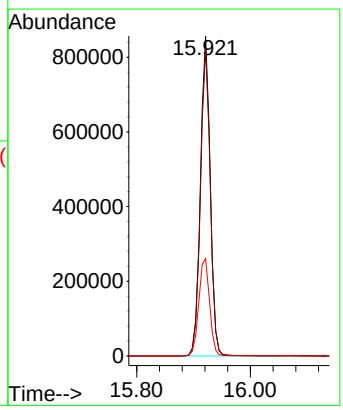


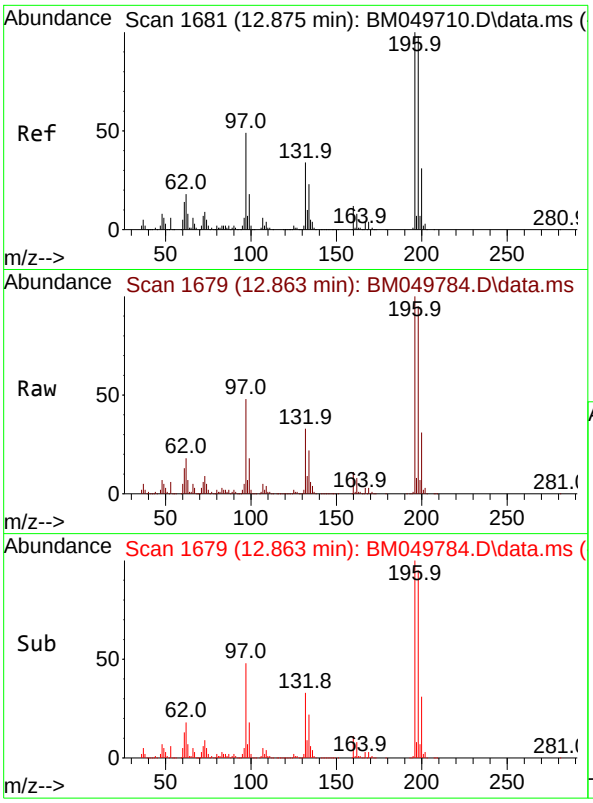


#42
2,4,6-Tribromophenol
Concen: 88.651 ng
RT: 15.921 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:330 Resp: 1032806

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.4
141	33.5	27.8	41.6



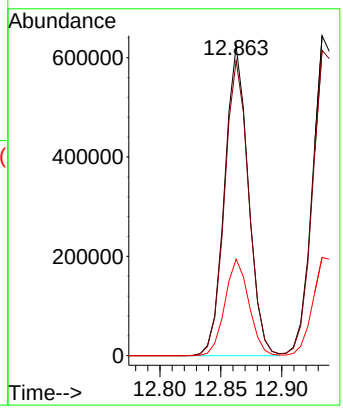


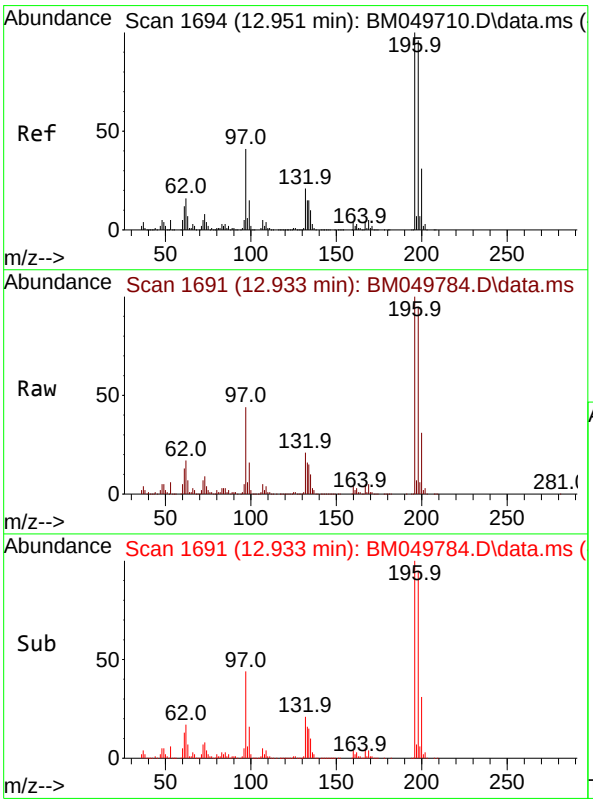
#43
2,4,6-Trichlorophenol
Concen: 41.129 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 844183

Ion	Ratio	Lower	Upper
196	100		
198	95.3	78.3	117.5
200	31.1	25.1	37.7

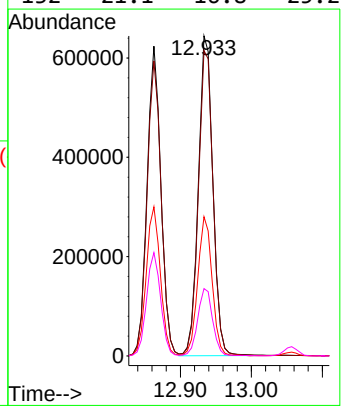


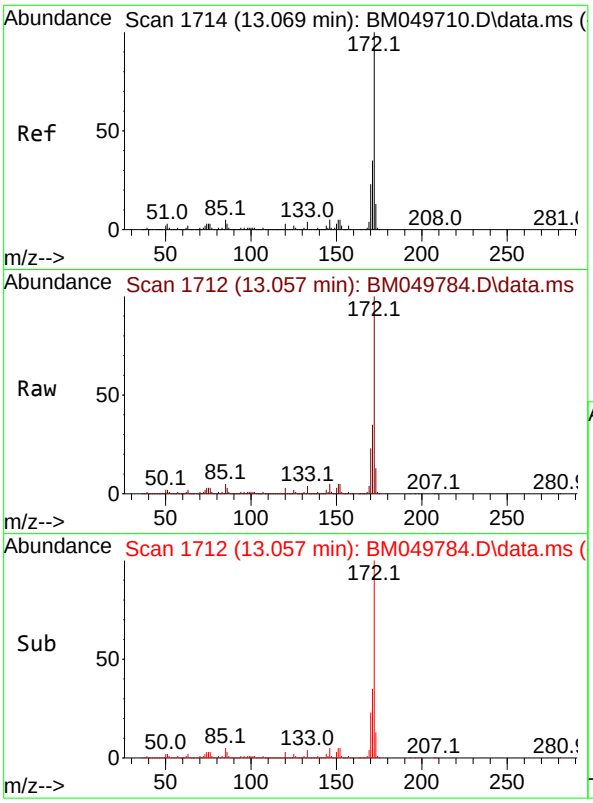


#44
2,4,5-Trichlorophenol
Concen: 41.003 ng
RT: 12.933 min Scan# 1691
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:196 Resp: 918404

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.7	115.1
97	43.5	32.9	49.3
132	21.1	16.8	25.2



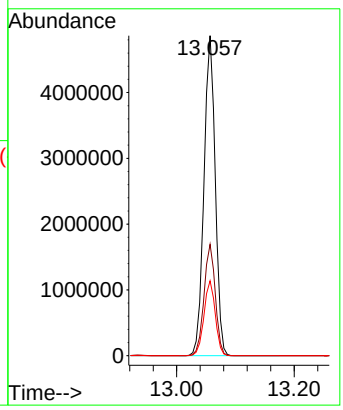


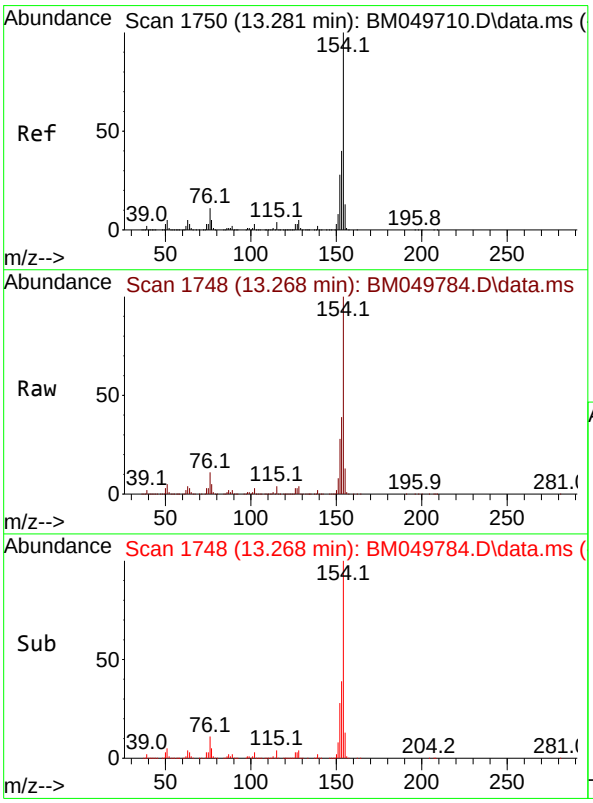
#45
2-Fluorobiphenyl
Concen: 81.475 ng
RT: 13.057 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 6490778

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.9	41.9
170	23.4	18.6	28.0

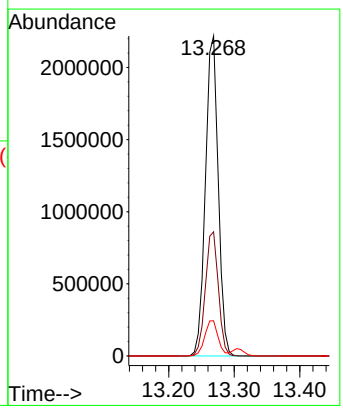


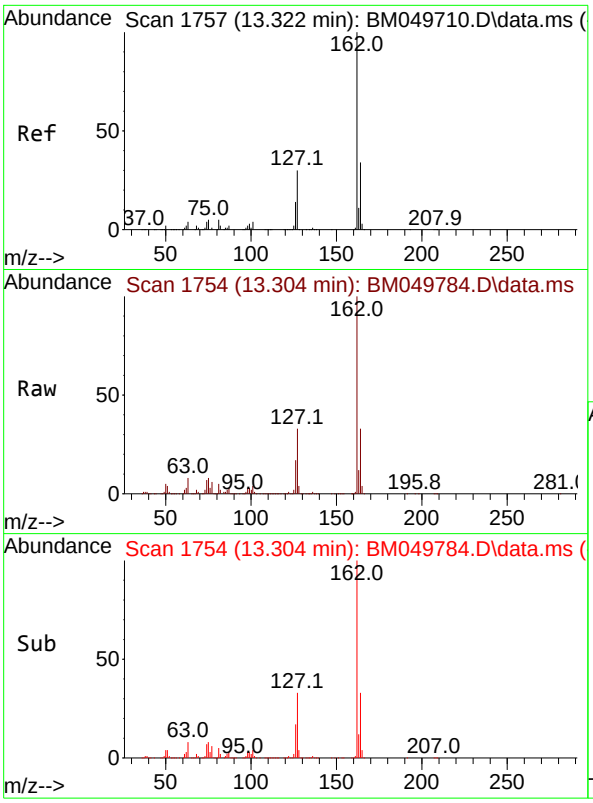


#46
1,1'-Biphenyl
Concen: 39.233 ng
RT: 13.268 min Scan# 1748
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:154 Resp: 3016820

Ion	Ratio	Lower	Upper
154	100		
153	38.8	19.7	59.7
76	11.0	0.0	31.2



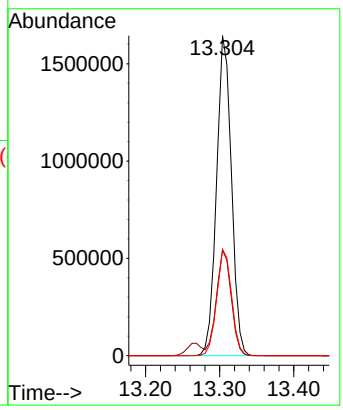


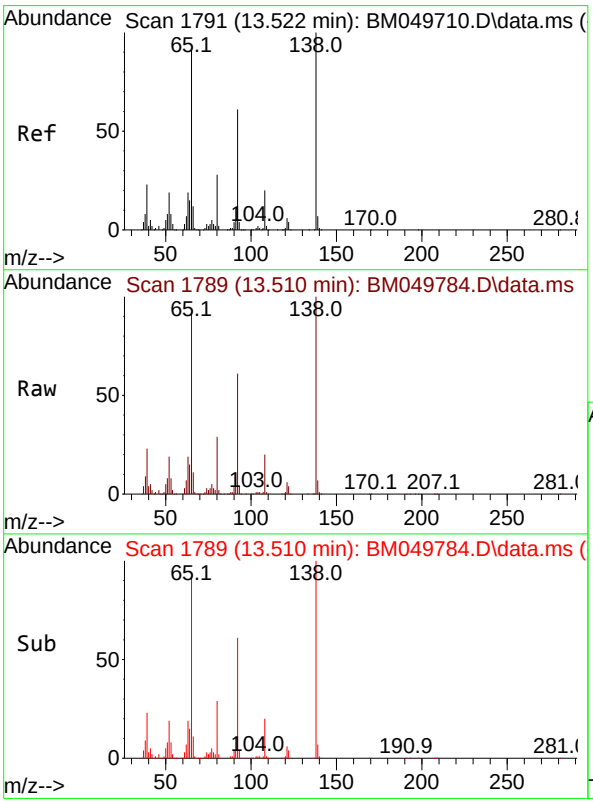
#47
2-Chloronaphthalene
Concen: 38.349 ng
RT: 13.304 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 2295303

Ion	Ratio	Lower	Upper
162	100		
127	33.1	25.8	38.6
164	33.2	27.1	40.7

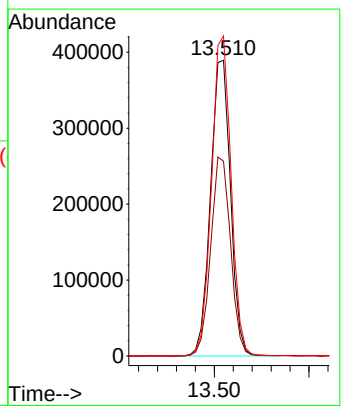


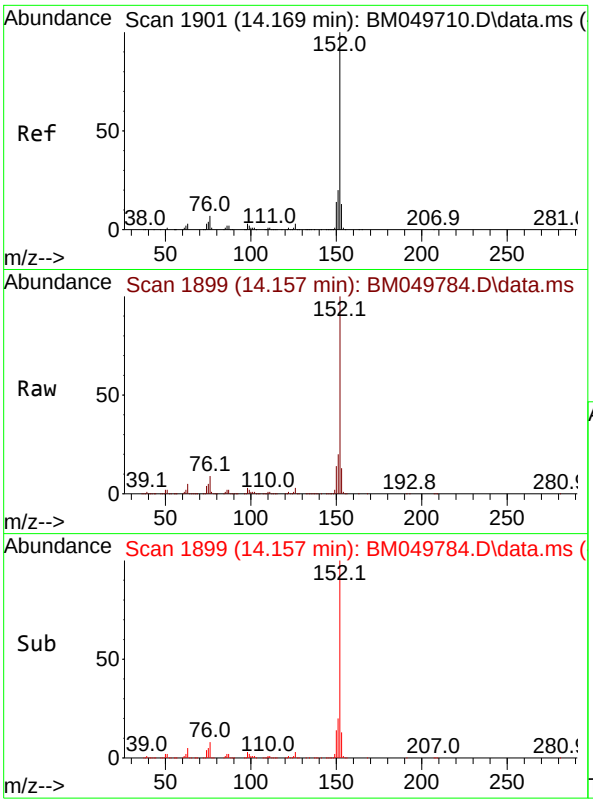


#48
2-Nitroaniline
Concen: 42.558 ng
RT: 13.510 min Scan# 1789
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion: 65 Resp: 571816

Ion	Ratio	Lower	Upper
65	100		
92	65.9	53.4	80.2
138	108.2	87.6	131.4



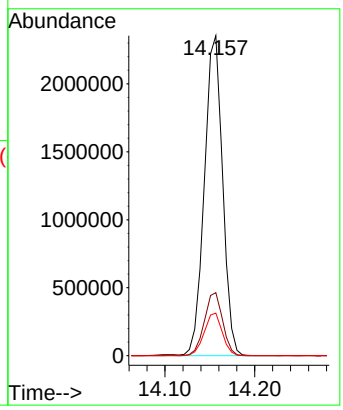


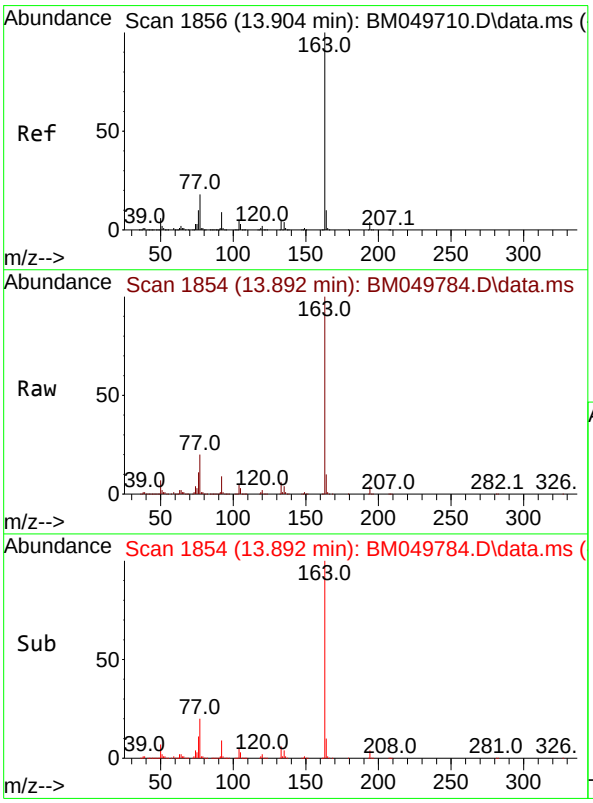
#49
Acenaphthylene
Concen: 39.615 ng
RT: 14.157 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 3314238

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.3	10.2	15.4

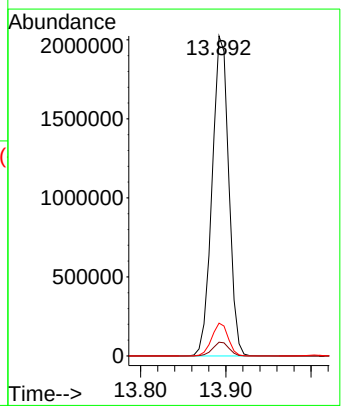


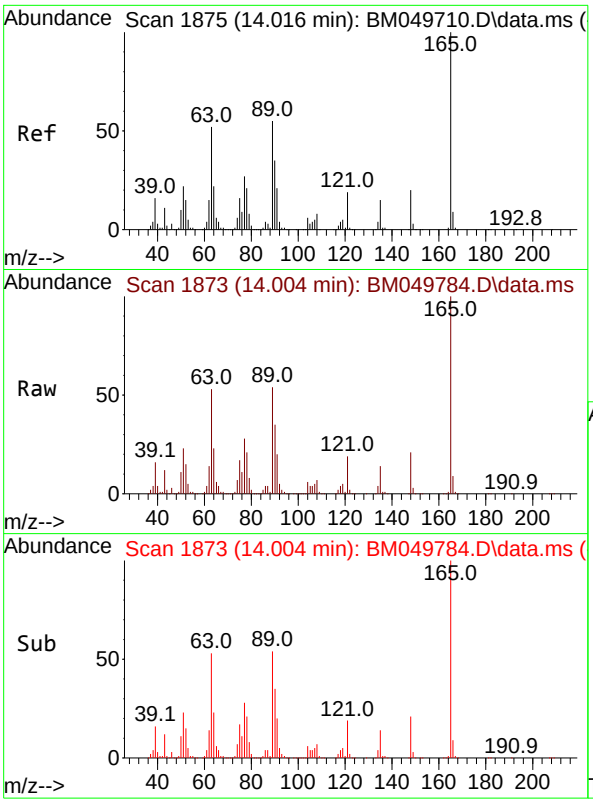


#50
Dimethylphthalate
Concen: 39.926 ng
RT: 13.892 min Scan# 1854
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:163 Resp: 2742614

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.2	8.2	12.2



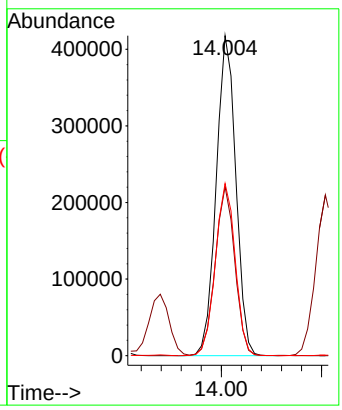


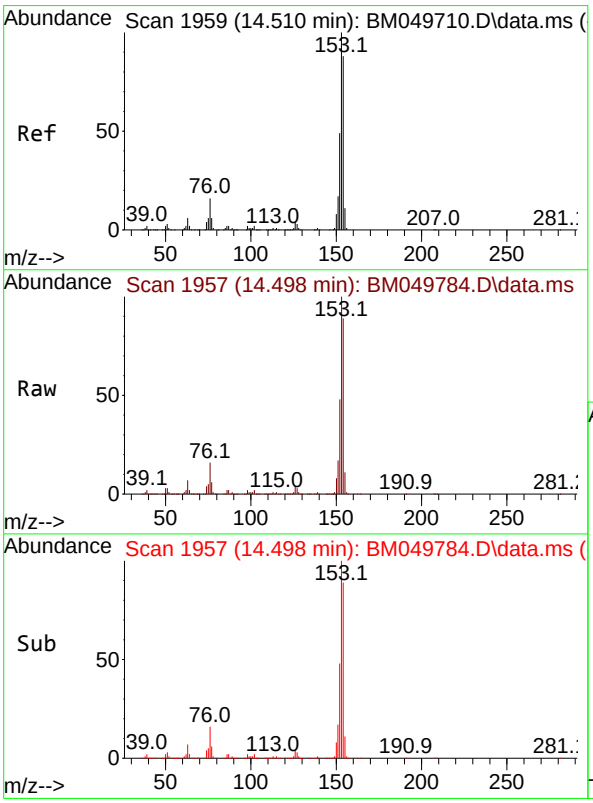
#51
2,6-Dinitrotoluene
Concen: 41.202 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 567095

Ion	Ratio	Lower	Upper
165	100		
63	52.8	42.3	63.5
89	53.8	43.9	65.9

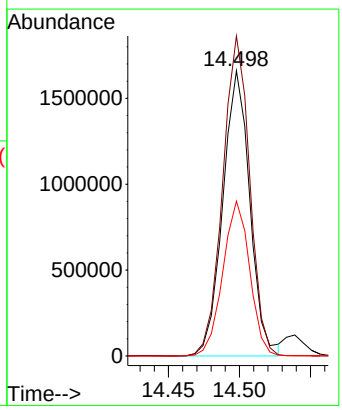


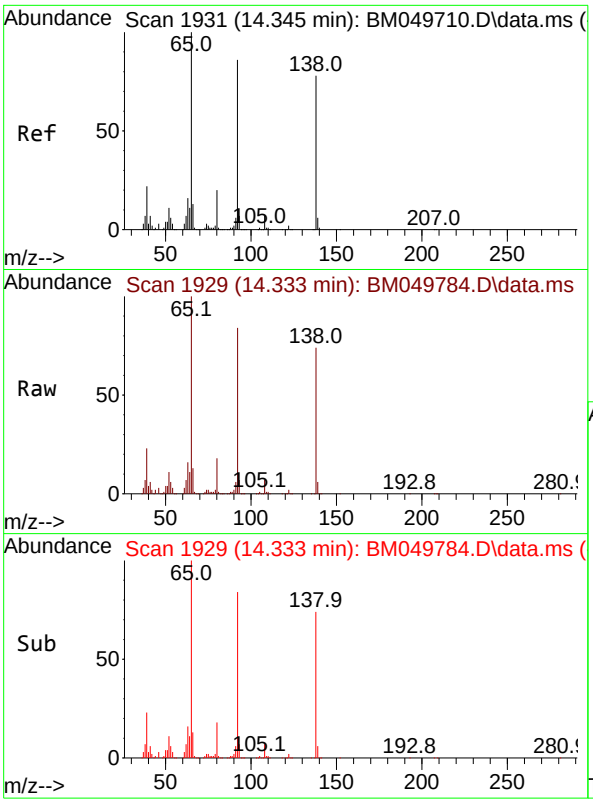


#52
Acenaphthene
Concen: 40.069 ng
RT: 14.498 min Scan# 1957
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:154 Resp: 2198833

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.4	135.6
152	54.3	44.2	66.2



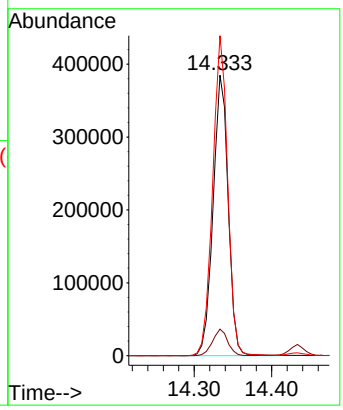


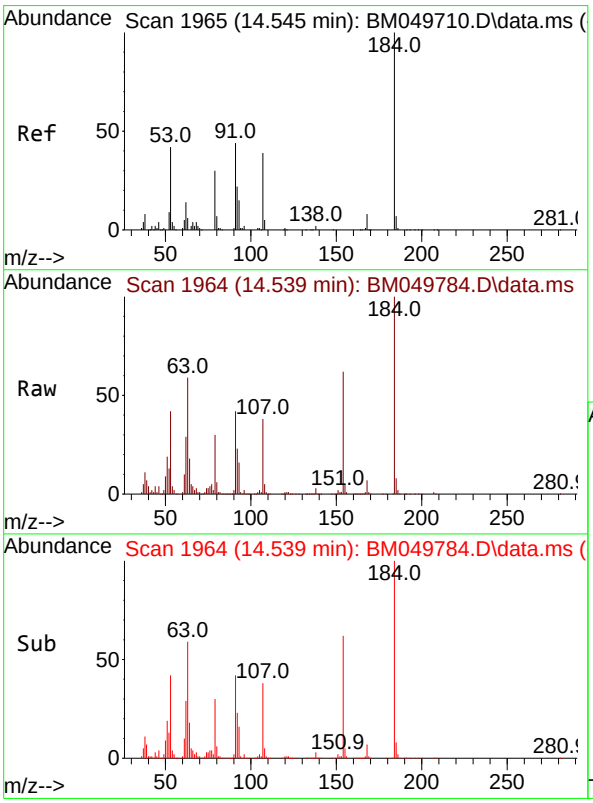
#53
3-Nitroaniline
Concen: 39.744 ng
RT: 14.333 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 520555

Ion	Ratio	Lower	Upper
138	100		
108	9.5	7.5	11.3
92	114.1	88.0	132.0

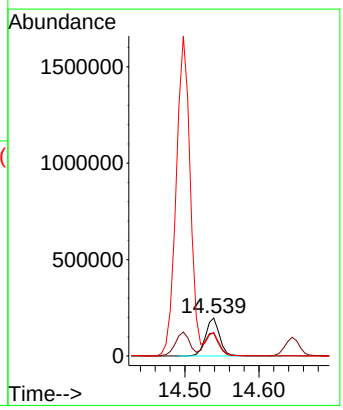


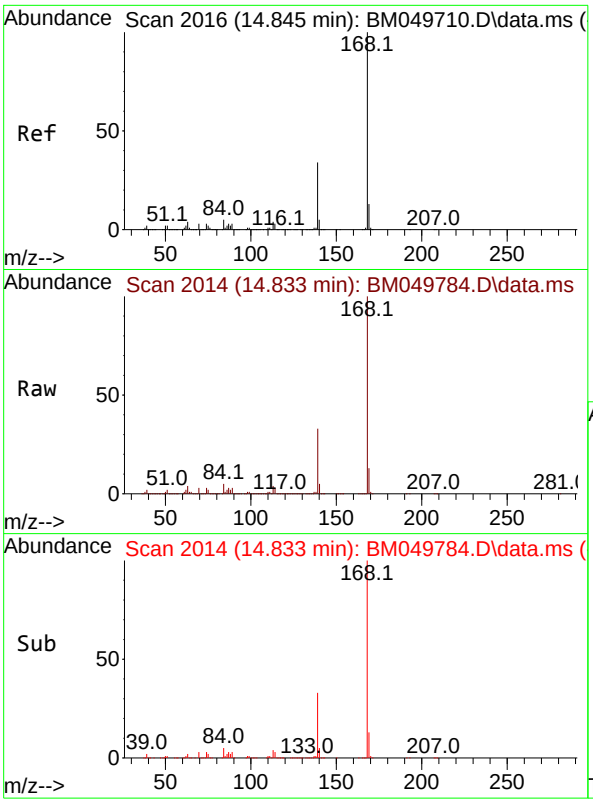


#54
2,4-Dinitrophenol
Concen: 38.607 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:184 Resp: 257978

Ion	Ratio	Lower	Upper
184	100		
63	59.4	47.2	70.8
154	62.1	49.9	74.9



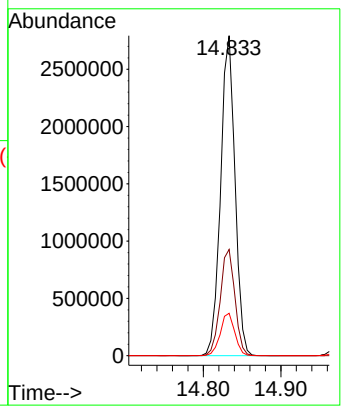


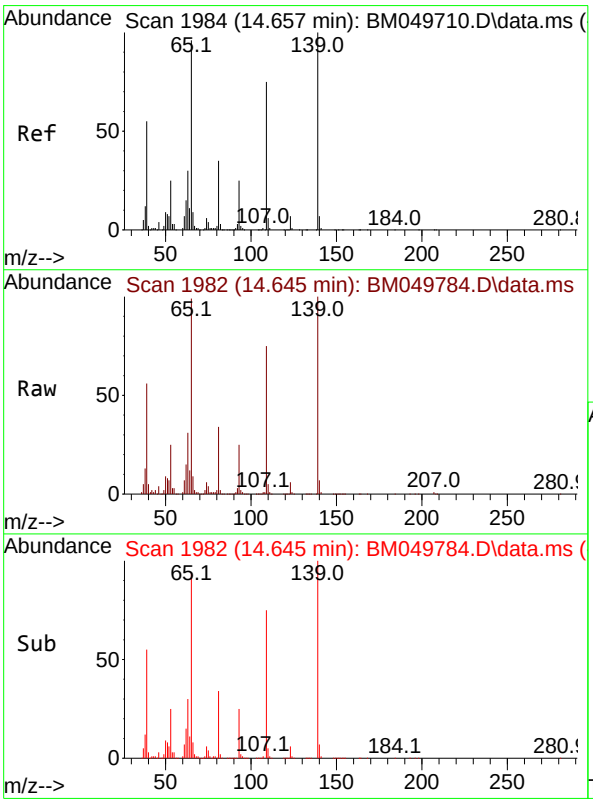
#55
Dibenzofuran
Concen: 39.412 ng
RT: 14.833 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 3603888

Ion	Ratio	Lower	Upper
168	100		
139	33.2	27.4	41.0
169	13.2	10.7	16.1

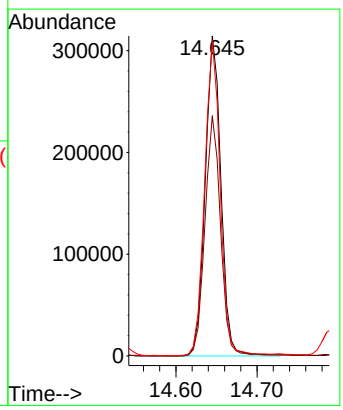


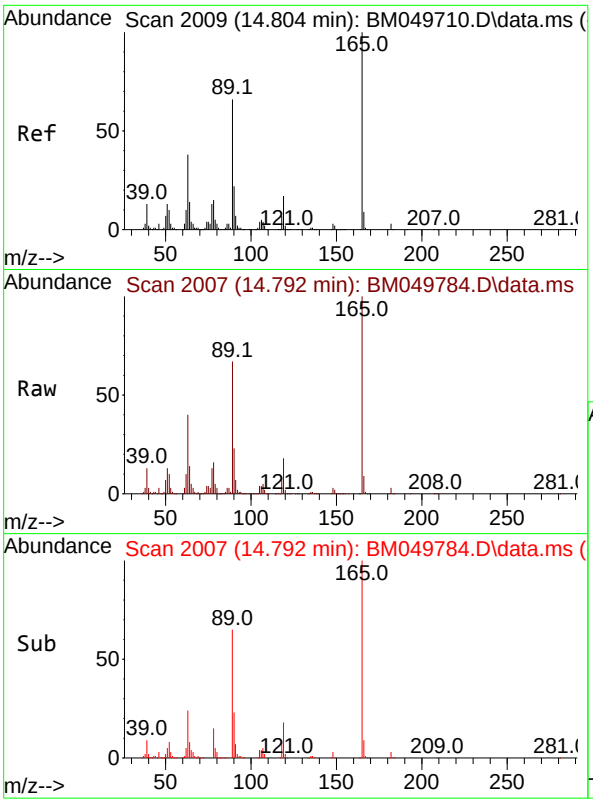


#56
4-Nitrophenol
Concen: 37.065 ng
RT: 14.645 min Scan# 1982
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:139 Resp: 422573

Ion	Ratio	Lower	Upper
139	100		
109	75.1	54.7	94.7
65	98.6	76.2	116.2



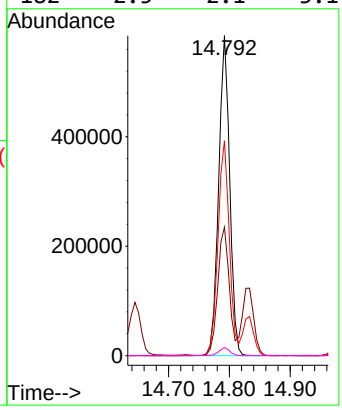


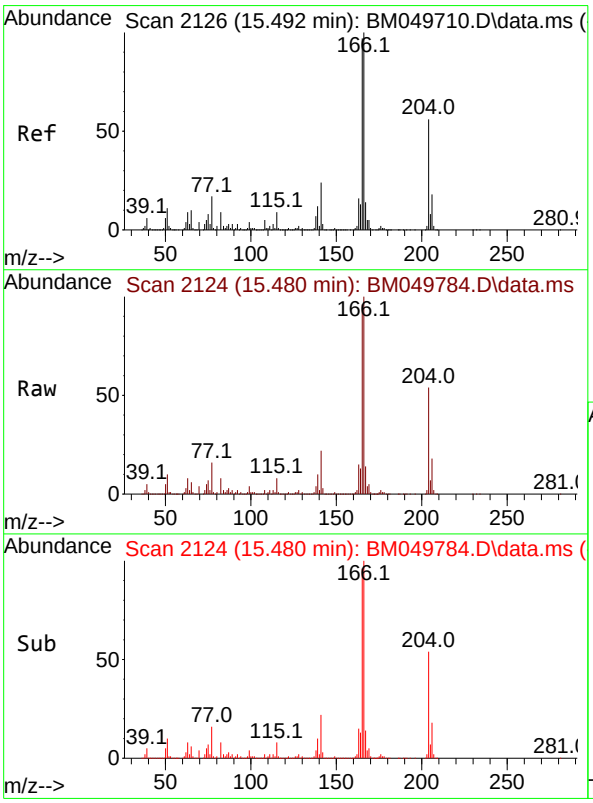
#57
2,4-Dinitrotoluene
Concen: 41.472 ng
RT: 14.792 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 734502

Ion	Ratio	Lower	Upper
165	100		
63	40.2	30.8	46.2
89	67.2	53.1	79.7
182	2.5	2.1	3.1

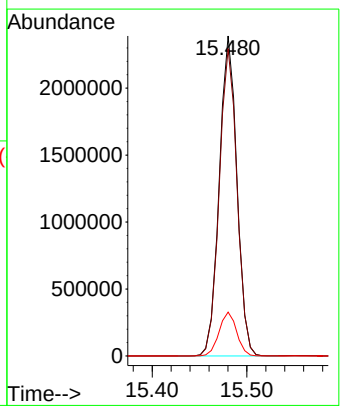


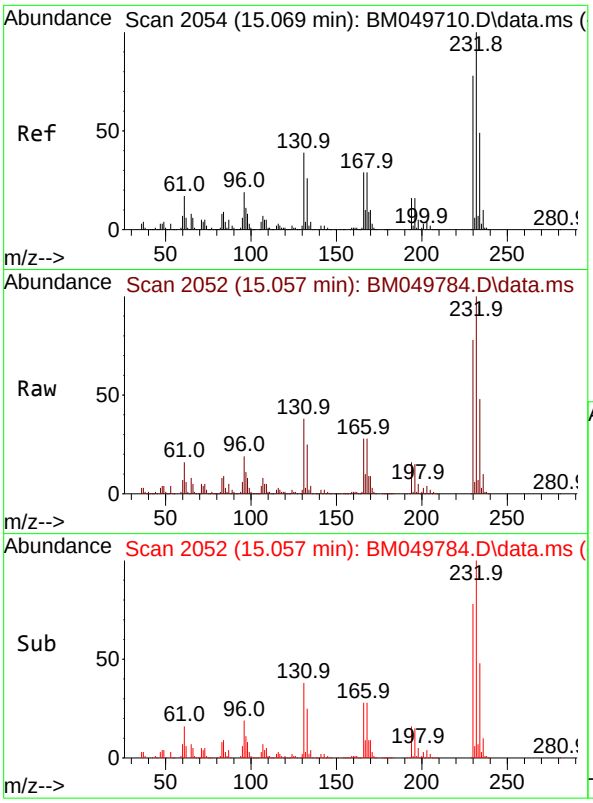


#58
Fluorene
Concen: 41.610 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:166 Resp: 3097839

Ion	Ratio	Lower	Upper
166	100		
165	96.0	77.5	116.3
167	13.7	10.9	16.3



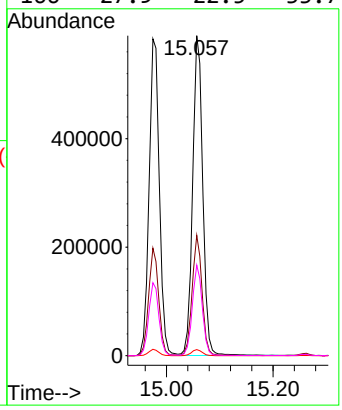


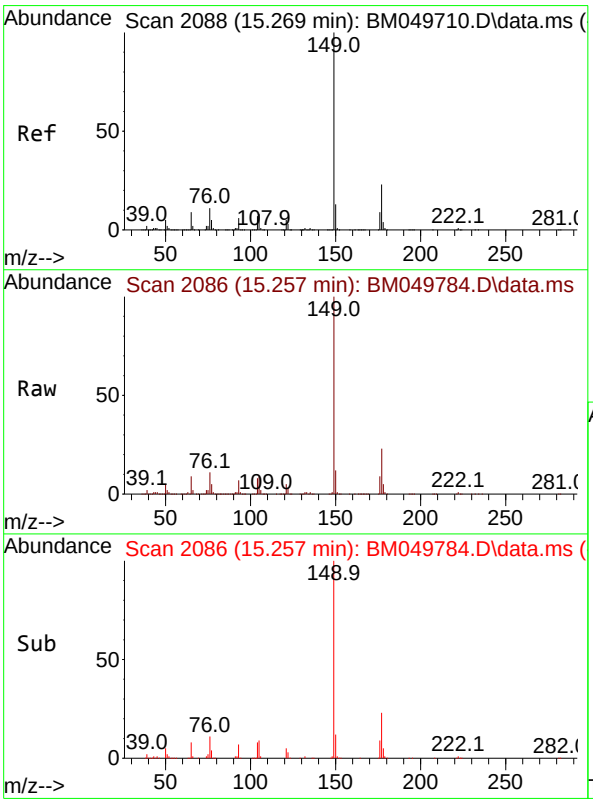
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.581 ng
RT: 15.057 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 779595

Ion	Ratio	Lower	Upper
232	100		
131	36.9	30.0	45.0
130	2.0	1.6	2.4
166	27.9	22.5	33.7

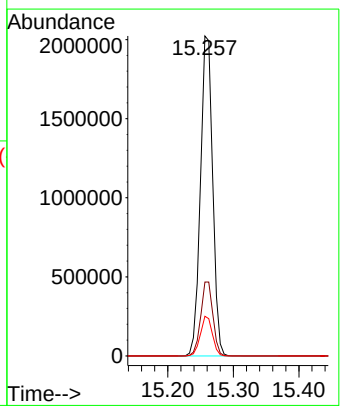


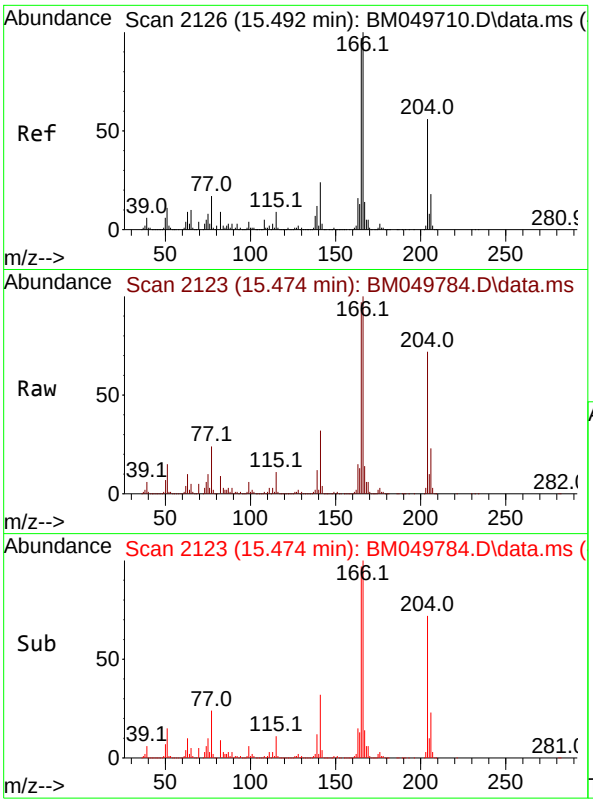


#60
Diethylphthalate
Concen: 40.661 ng
RT: 15.257 min Scan# 2086
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:149 Resp: 2630616

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.2	27.2
150	12.4	10.0	15.0



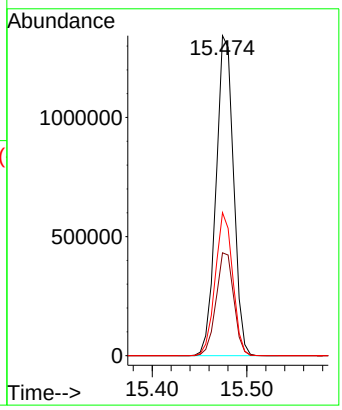


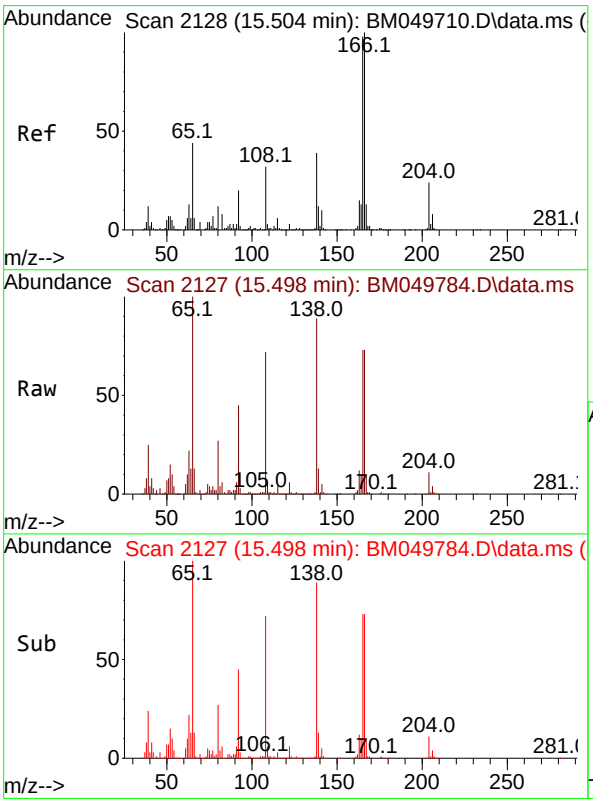
#61
4-Chlorophenyl-phenylether
Concen: 42.447 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 1725661

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.2	37.8
141	44.7	34.5	51.7

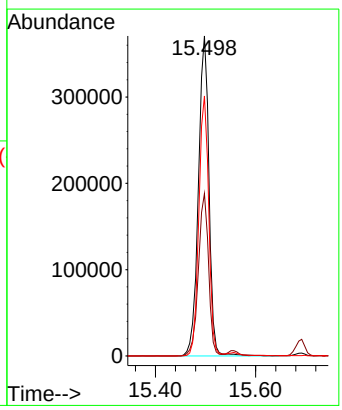


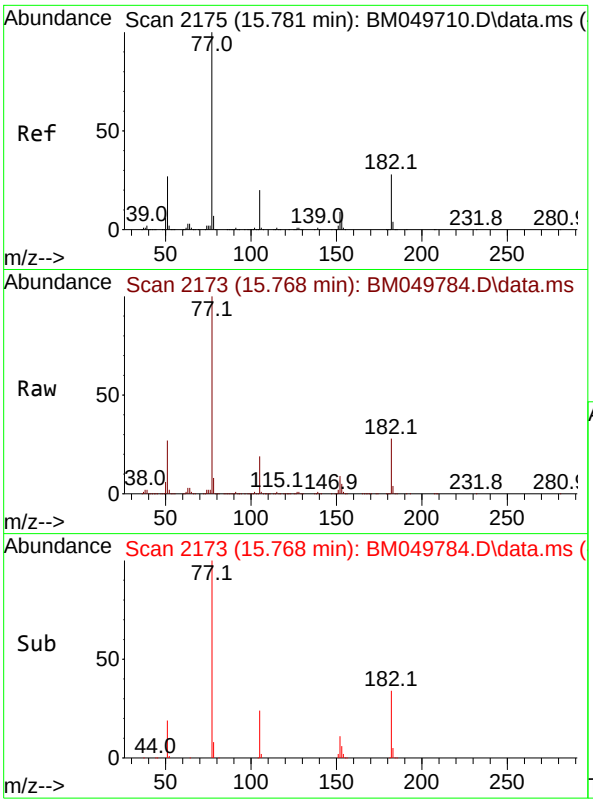


#62
4-Nitroaniline
Concen: 35.934 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:138 Resp: 544023

Ion	Ratio	Lower	Upper
138	100		
92	50.8	29.8	69.8
108	81.2	61.3	101.3



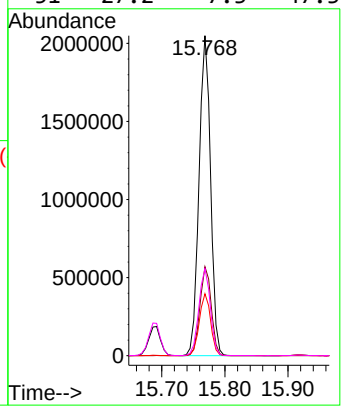


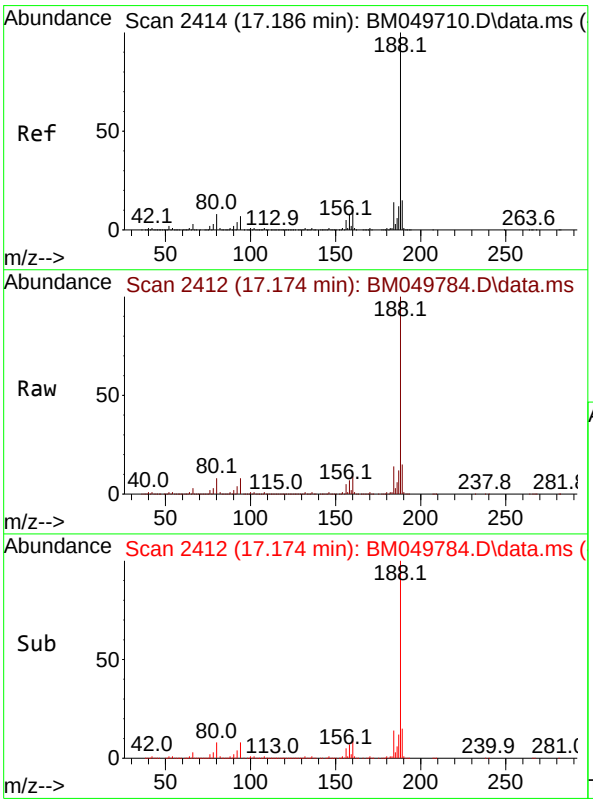
#63
Azobenzene
Concen: 41.998 ng
RT: 15.768 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 2595285

Ion	Ratio	Lower	Upper
77	100		
182	27.8	8.0	48.0
105	19.4	0.0	40.0
51	27.2	7.3	47.3

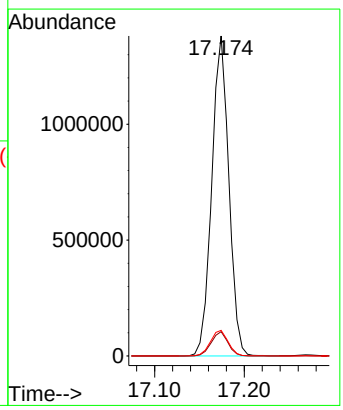


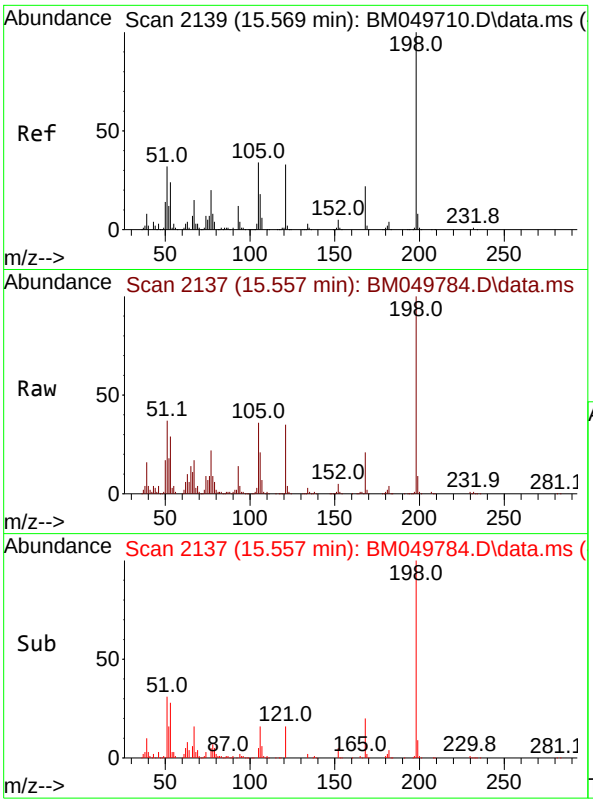


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.174 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:188 Resp: 1826070

Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.8	8.6
80	8.0	6.3	9.5



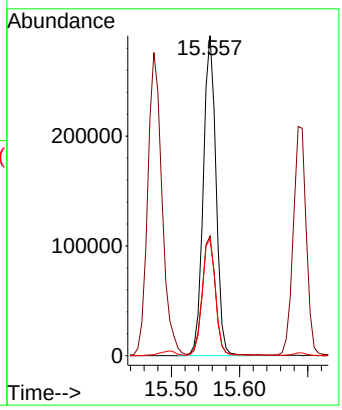


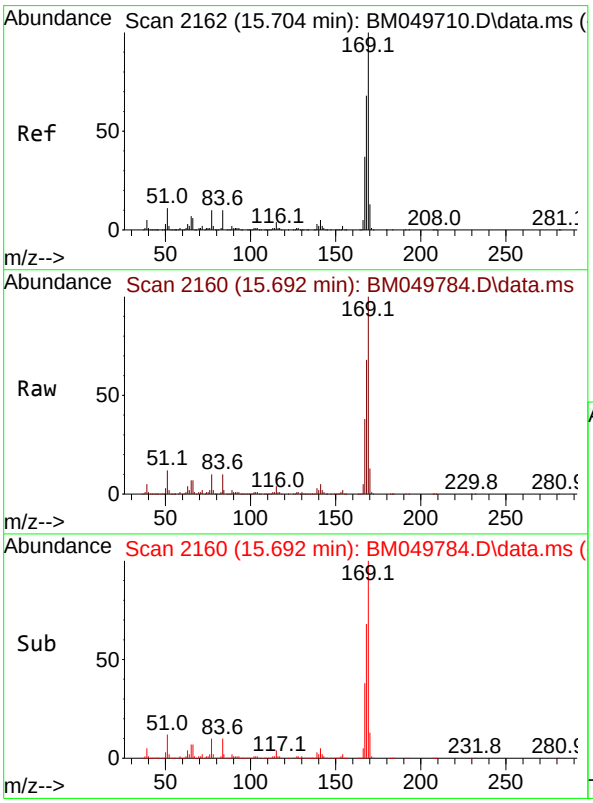
#65
4,6-Dinitro-2-methylphenol
Concen: 40.189 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 378586

Ion	Ratio	Lower	Upper
198	100		
51	37.4	13.8	53.8
105	36.4	14.0	54.0

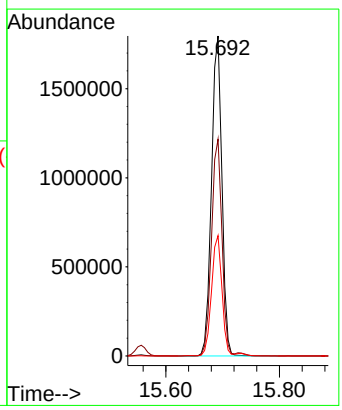


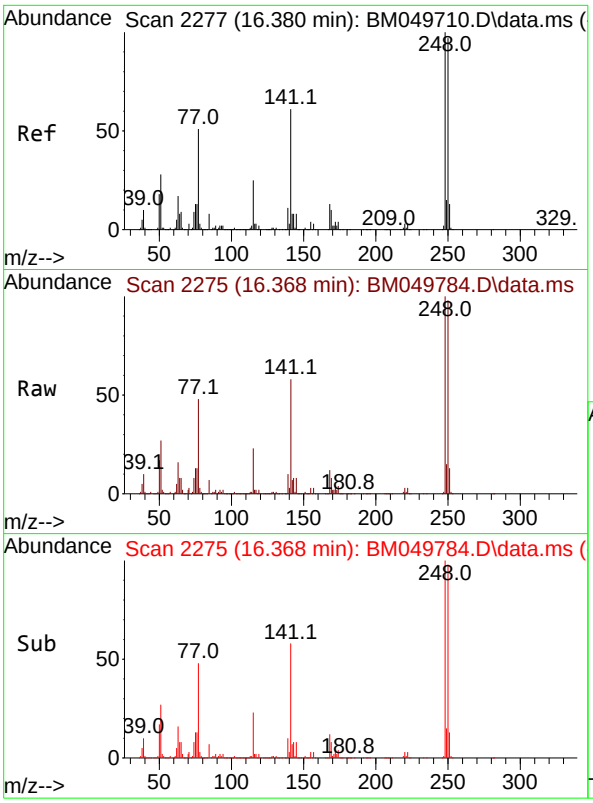


#66
n-Nitrosodiphenylamine
Concen: 41.024 ng
RT: 15.692 min Scan# 2160
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:169 Resp: 2269715

Ion	Ratio	Lower	Upper
169	100		
168	67.7	54.8	82.2
167	37.6	29.9	44.9



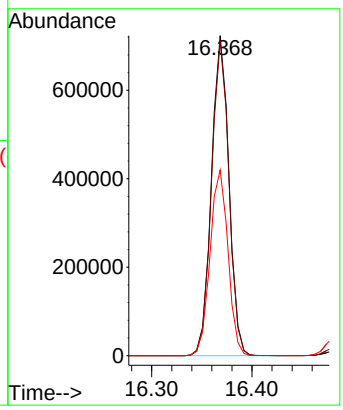


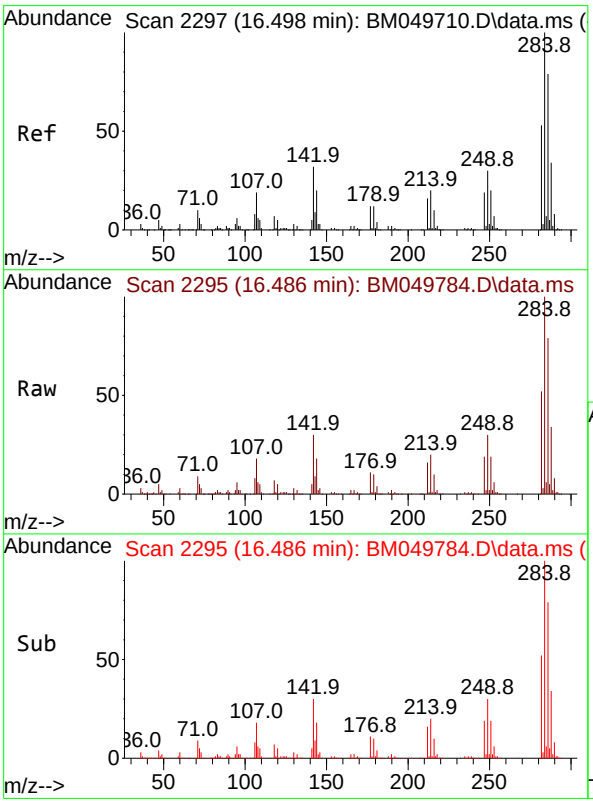
#67
4-Bromophenyl-phenylether
Concen: 41.525 ng
RT: 16.368 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 875474

Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.9	116.9
141	58.0	48.6	73.0

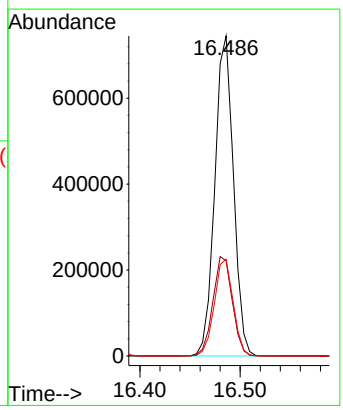


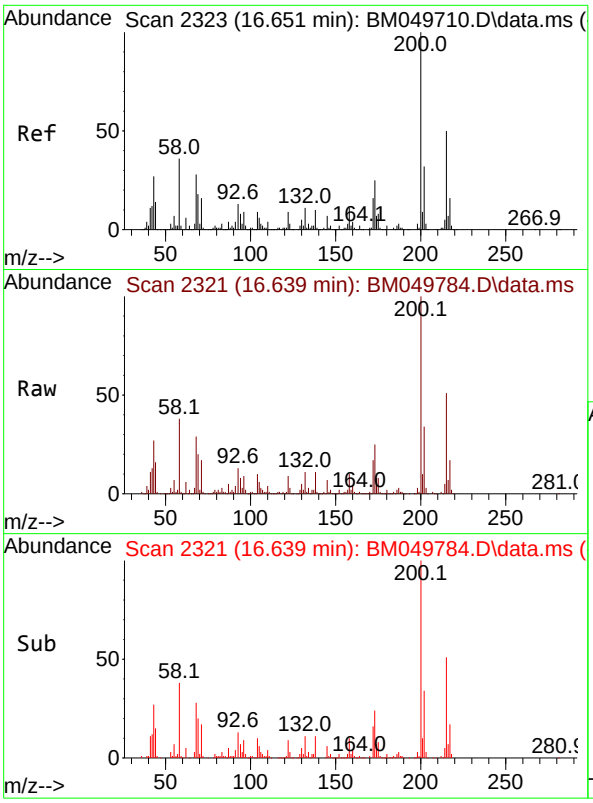


#68
Hexachlorobenzene
Concen: 40.487 ng
RT: 16.486 min Scan# 2295
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:284 Resp: 959887

Ion	Ratio	Lower	Upper
284	100		
142	29.8	25.5	38.3
249	30.3	24.2	36.2



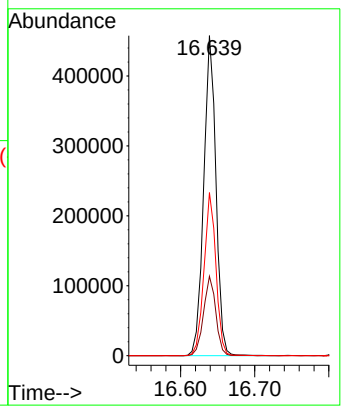


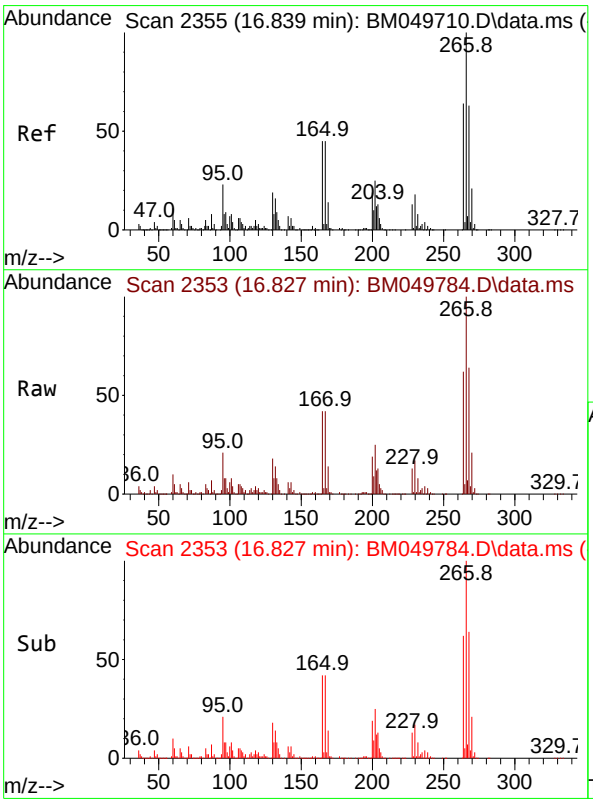
#69
Atrazine
Concen: 43.124 ng
RT: 16.639 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 525811

Ion	Ratio	Lower	Upper
200	100		
173	24.8	5.4	45.4
215	50.9	29.8	69.8

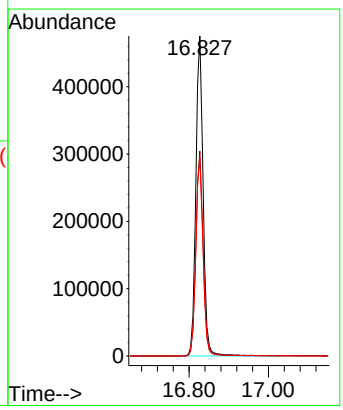


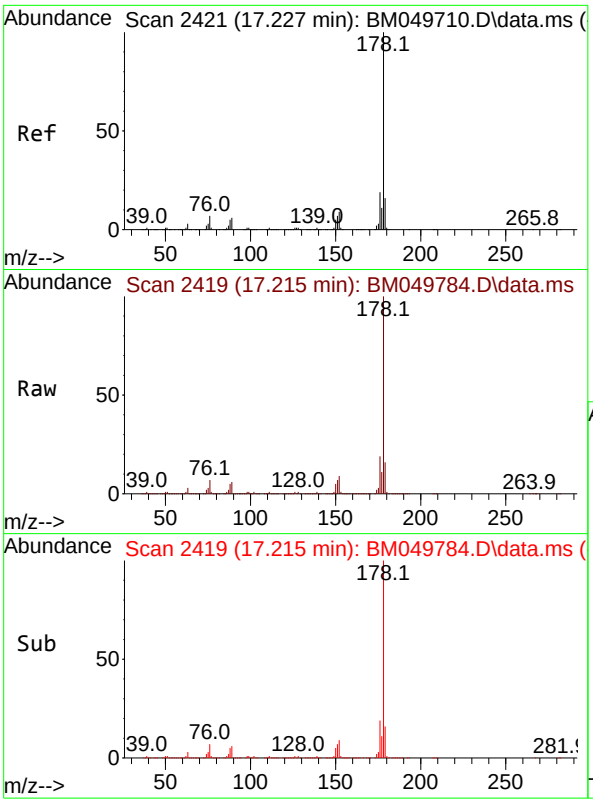


#70
Pentachlorophenol
Concen: 40.512 ng
RT: 16.827 min Scan# 2353
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:266 Resp: 603584

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.2	75.2
264	62.0	51.3	76.9



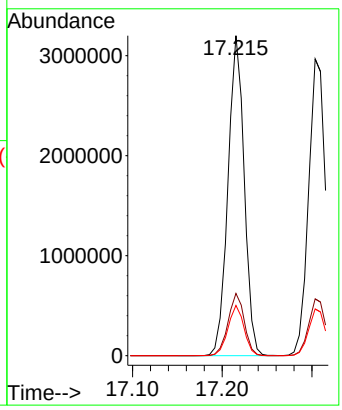


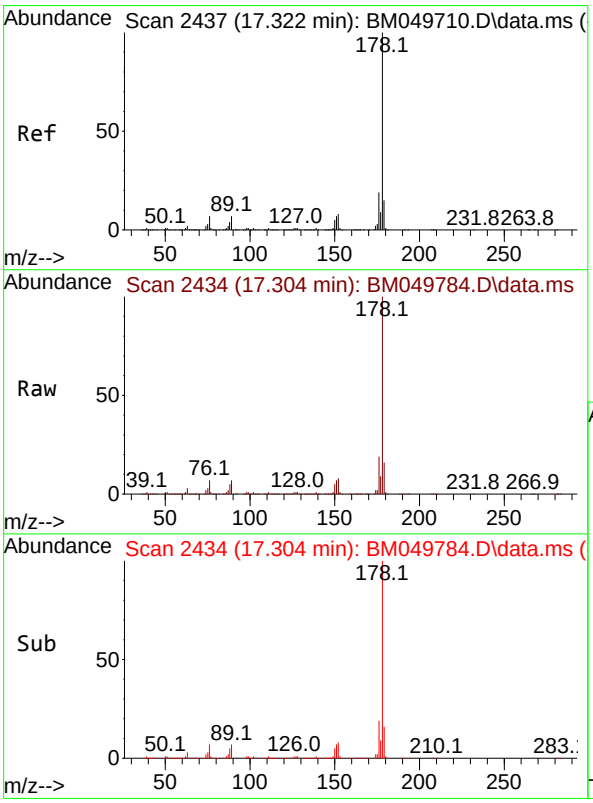
#71
Phenanthrene
Concen: 39.641 ng
RT: 17.215 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 4019507

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.7	12.5	18.7

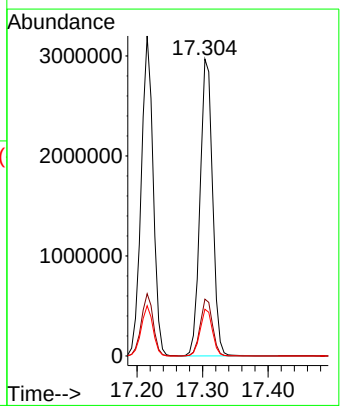


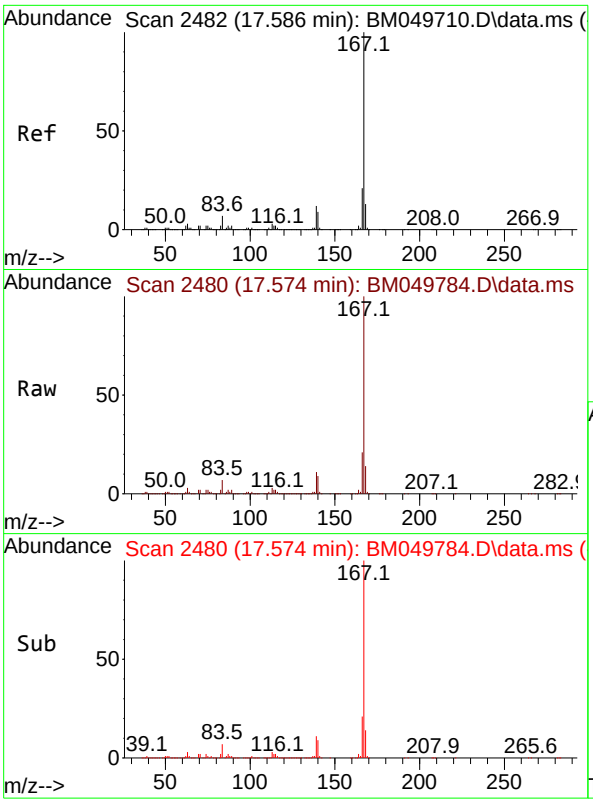


#72
Anthracene
Concen: 40.177 ng
RT: 17.304 min Scan# 2434
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:178 Resp: 3945359

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.7	12.4	18.6



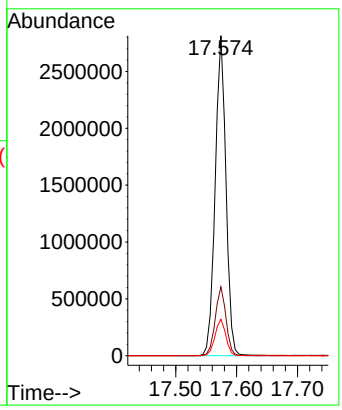


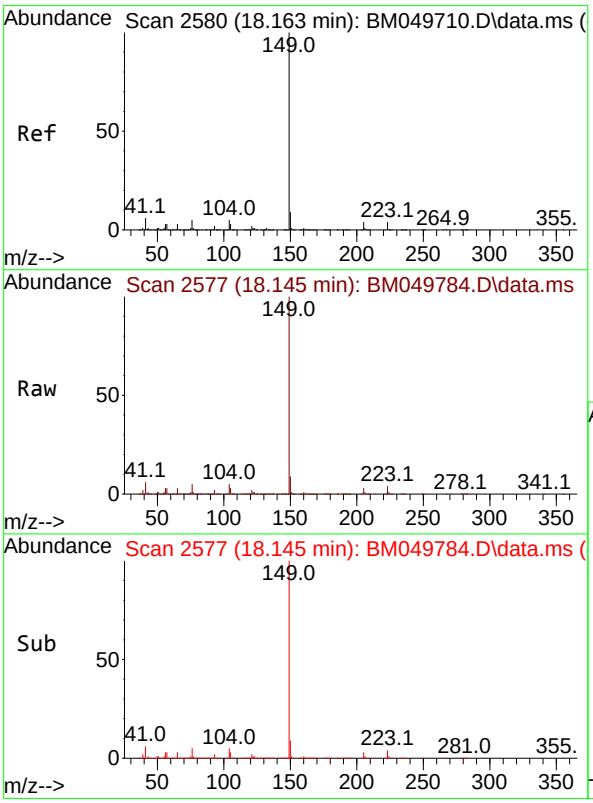
#73
Carbazole
Concen: 38.934 ng
RT: 17.574 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 3462451

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	11.4	9.4	14.2

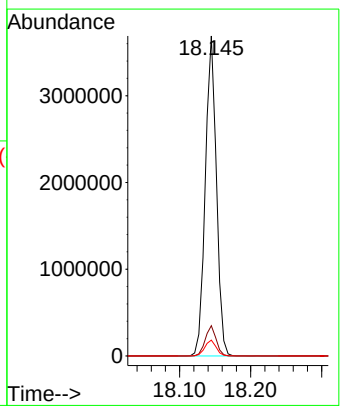


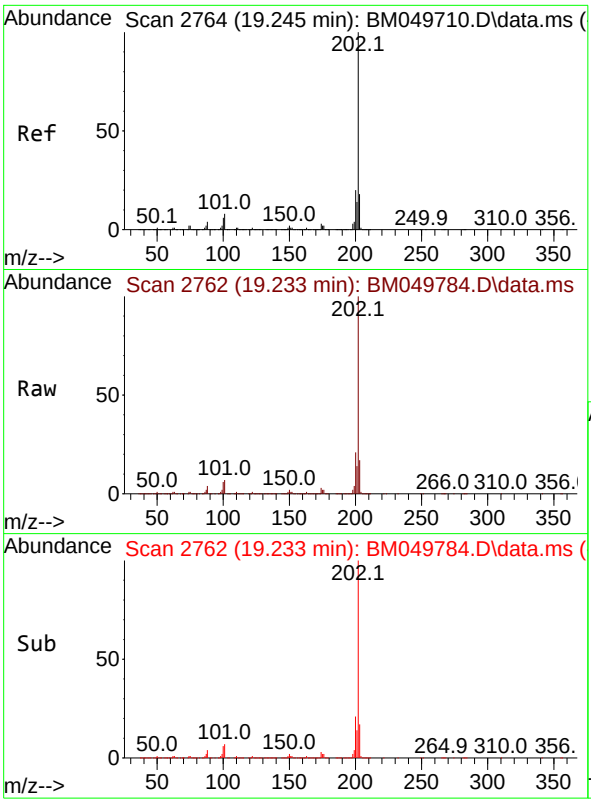


#74
Di-n-butylphthalate
Concen: 41.186 ng
RT: 18.145 min Scan# 2577
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:149 Resp: 4014522

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.2	10.8
104	5.0	3.9	5.9



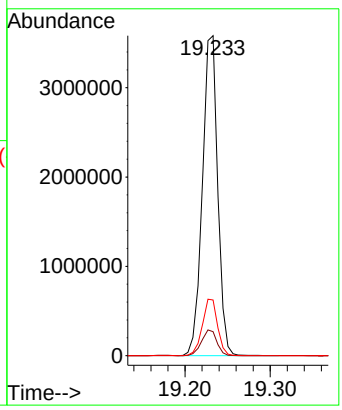


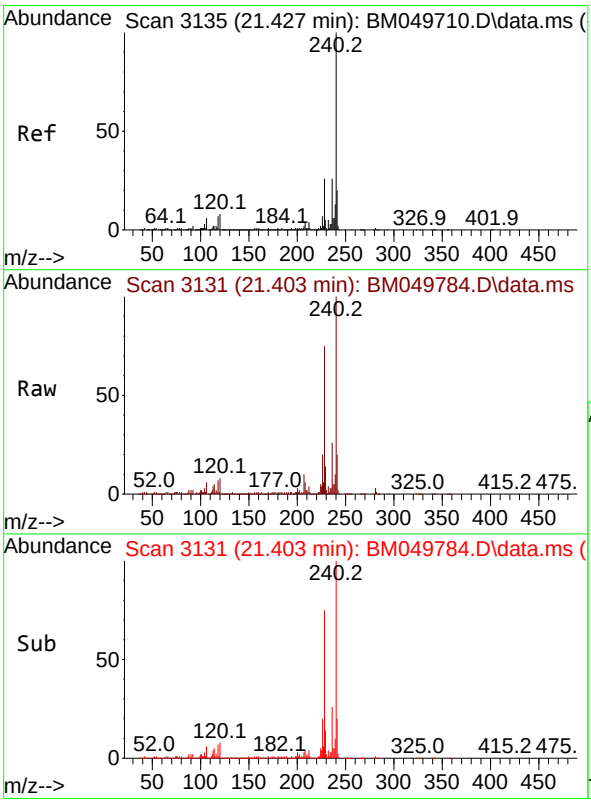
#75
Fluoranthene
Concen: 38.301 ng
RT: 19.233 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 4471147

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	27.8
203	17.4	0.0	37.6

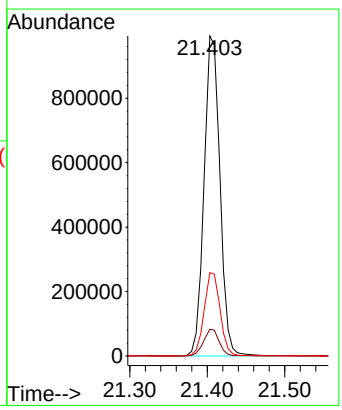


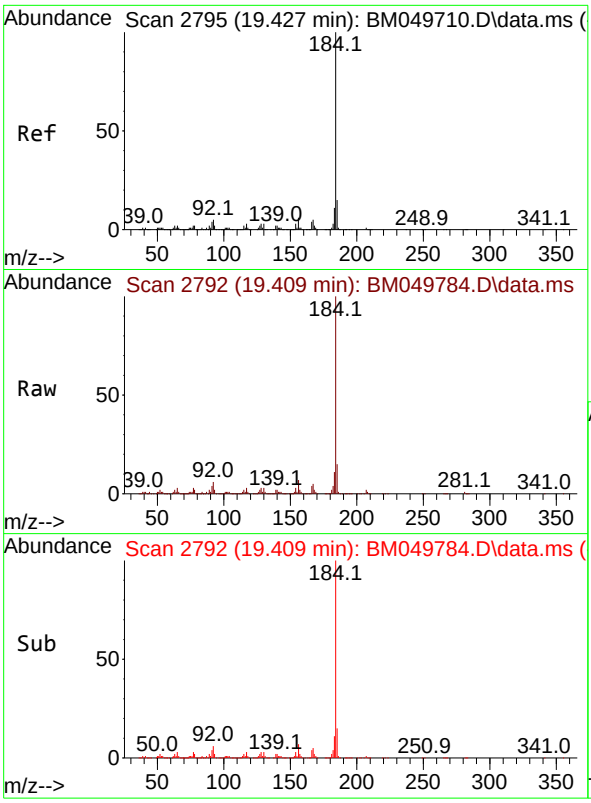


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:240 Resp: 1415651

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.5	9.7
236	26.1	20.7	31.1



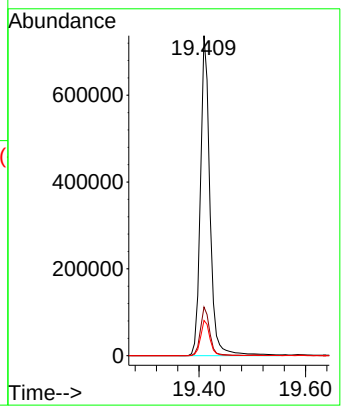


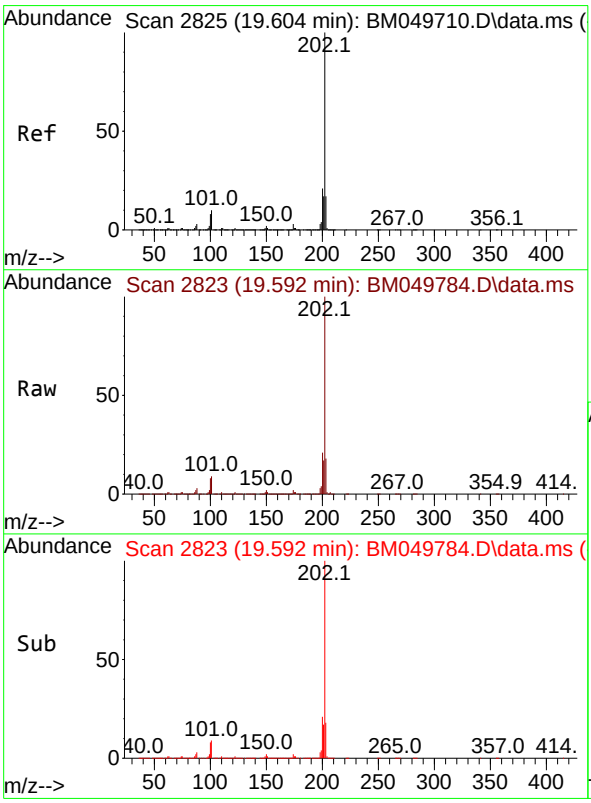
#77
Benzidine
Concen: 53.714 ng
RT: 19.409 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 913547

Ion	Ratio	Lower	Upper
184	100		
185	15.2	11.7	17.5
183	11.0	8.8	13.2

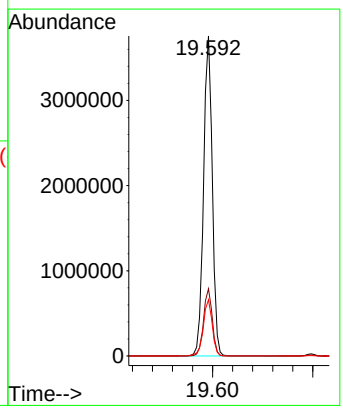


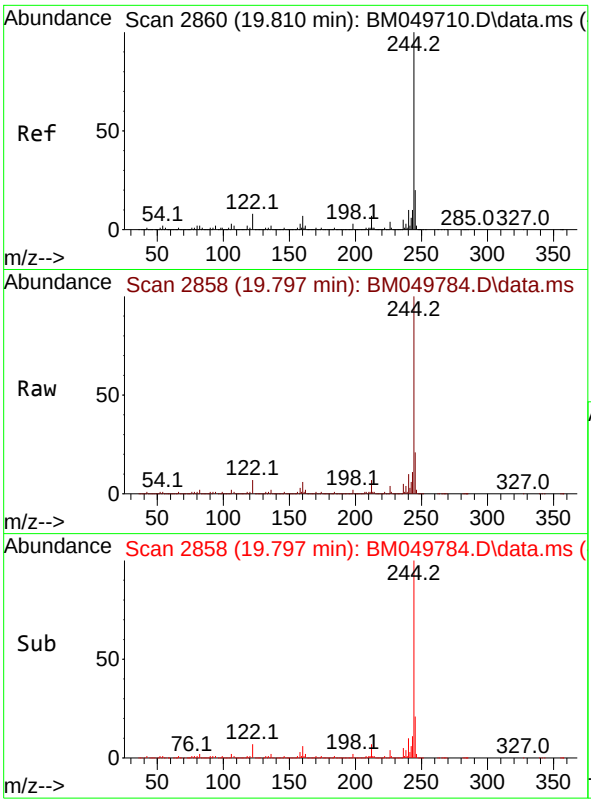


#78
Pyrene
Concen: 46.007 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:202 Resp: 4550390

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.5	14.0	21.0



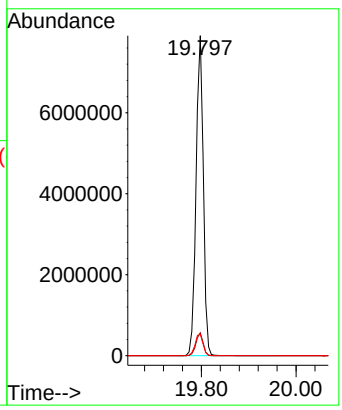


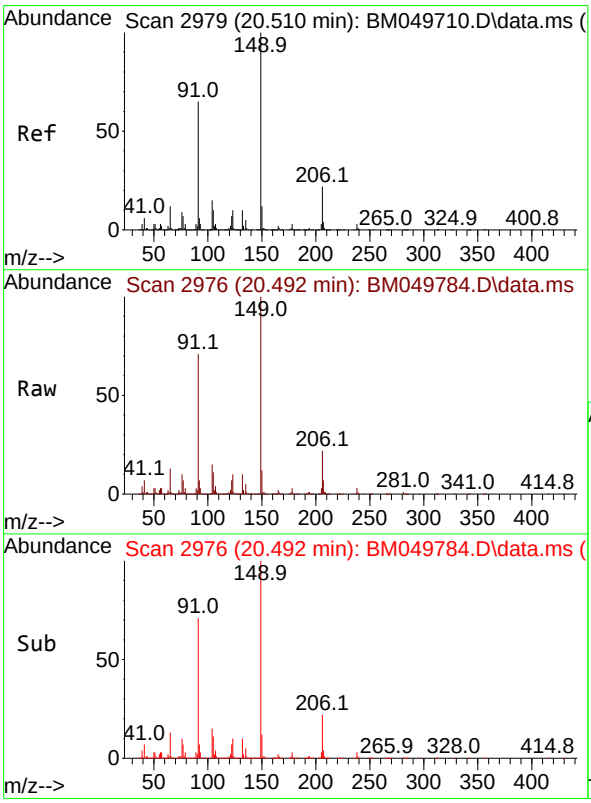
#79
Terphenyl-d14
Concen: 100.223 ng
RT: 19.797 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 8419615

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	6.7	6.0	9.0

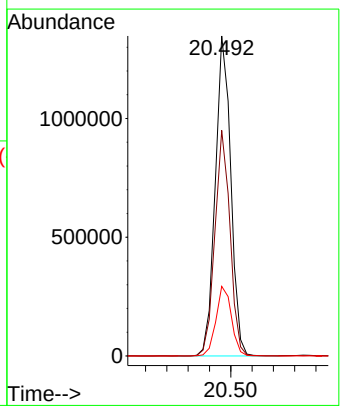


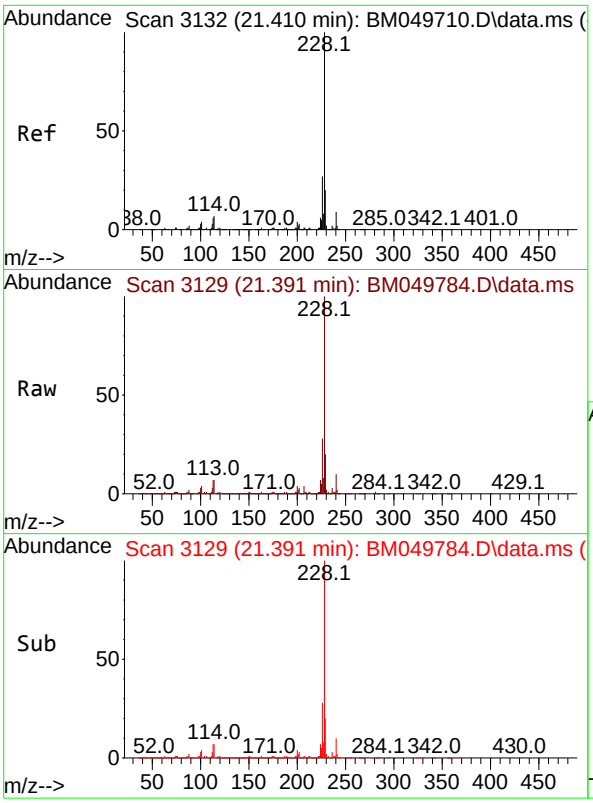


#80
Butylbenzylphthalate
Concen: 44.227 ng
RT: 20.492 min Scan# 2976
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:149 Resp: 1357512

Ion	Ratio	Lower	Upper
149	100		
91	70.5	52.2	78.4
206	21.8	17.6	26.4



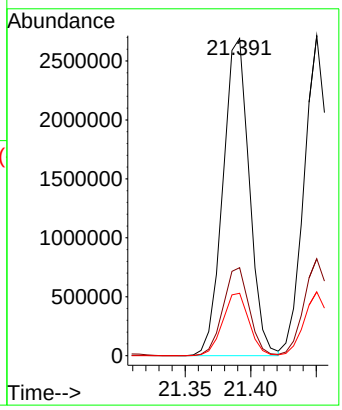


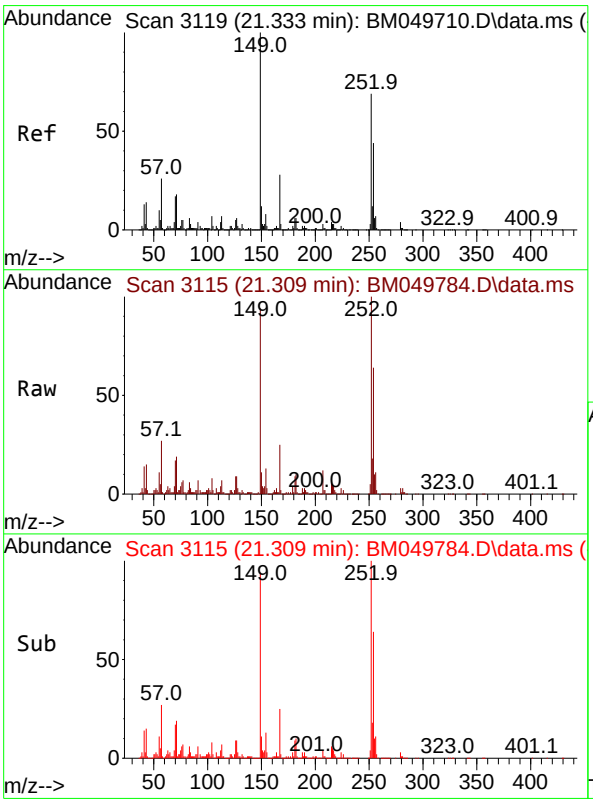
#81
Benzo(a)anthracene
Concen: 39.817 ng
RT: 21.391 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3764986

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.0	33.0
229	19.7	15.8	23.8

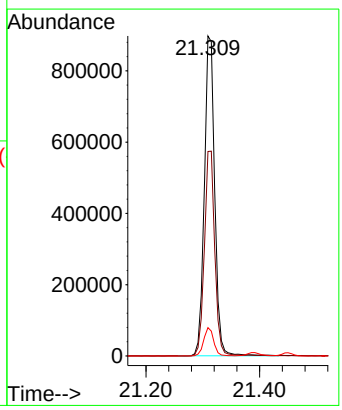


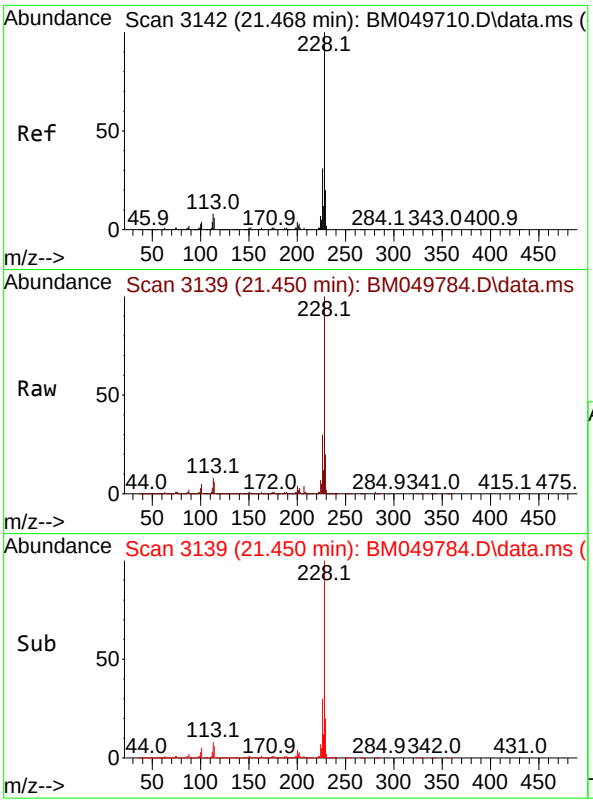


#82
3,3'-Dichlorobenzidine
Concen: 36.822 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.024 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:252 Resp: 1133587

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.0	76.4
126	8.8	6.3	9.5



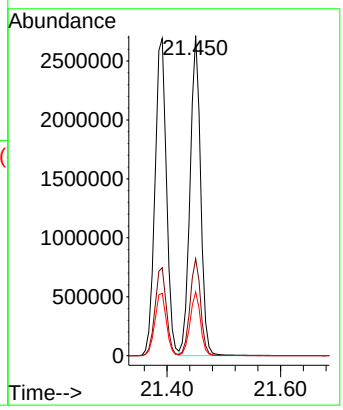


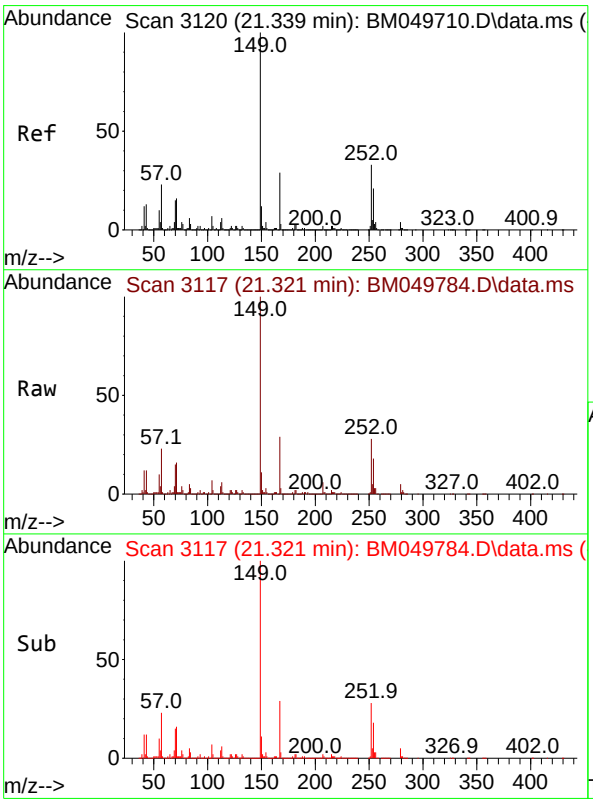
#83
Chrysene
Concen: 39.051 ng
RT: 21.450 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3500249

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	20.0	15.8	23.6

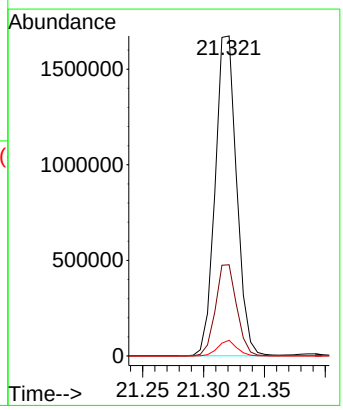


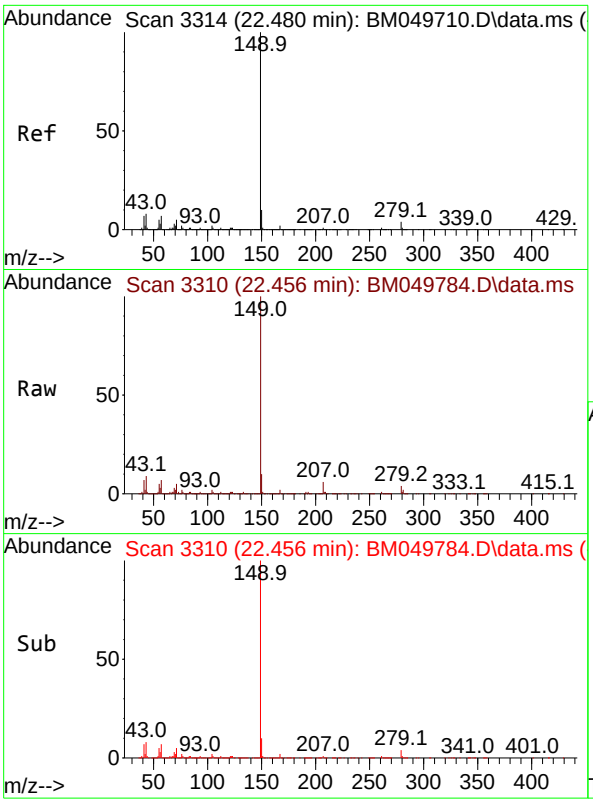


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.908 ng
RT: 21.321 min Scan# 3117
Delta R.T. -0.018 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:149 Resp: 2052551

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.9	34.3
279	4.9	3.5	5.3



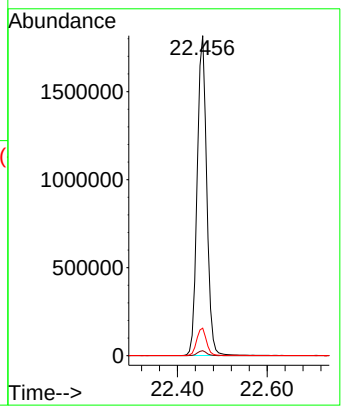


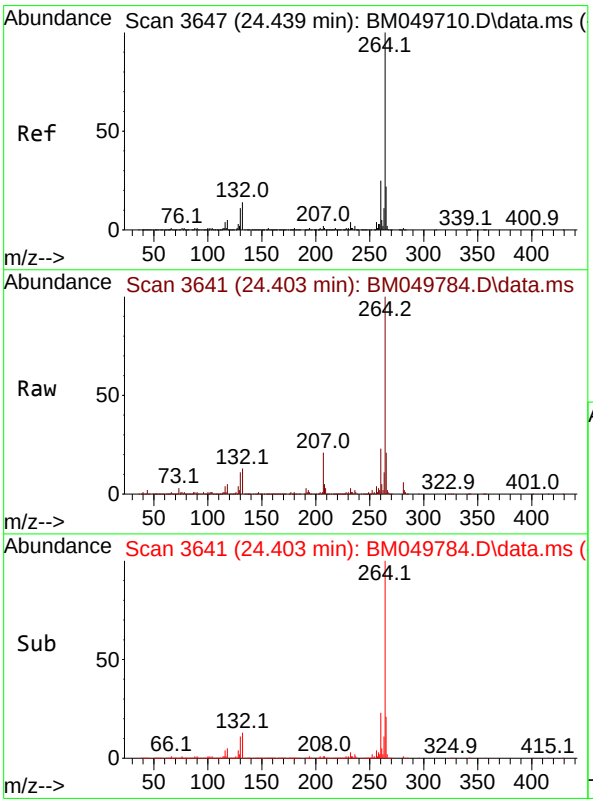
#85
Di-n-octyl phthalate
Concen: 36.033 ng
RT: 22.456 min Scan# 3
Delta R.T. -0.024 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 2679020

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.8	6.8	10.2

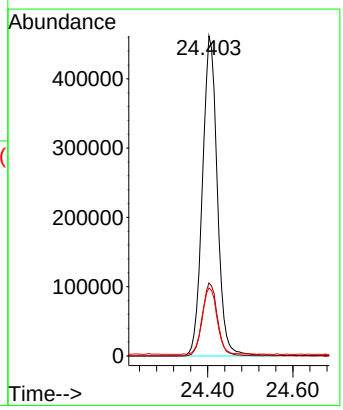


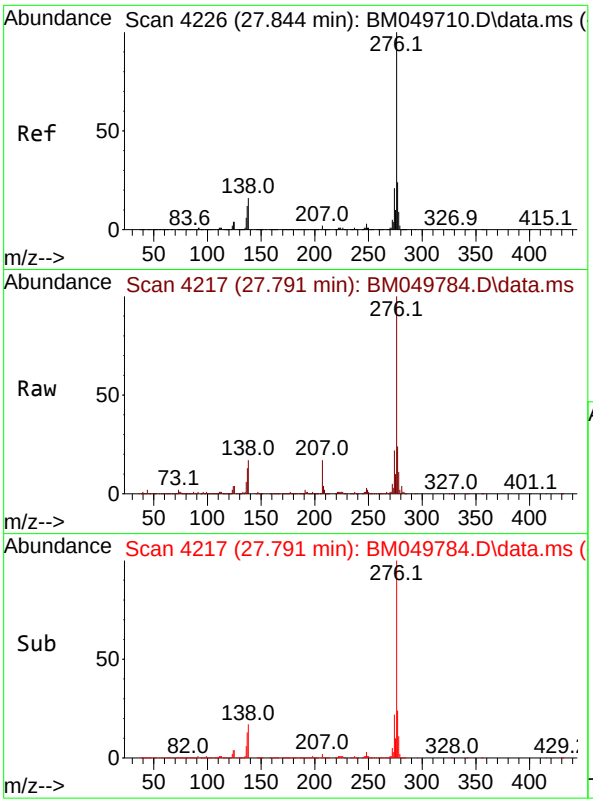


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.036 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:264 Resp: 1117044

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.6	29.4
265	21.3	18.2	27.2



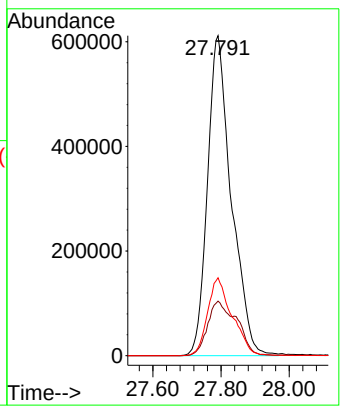


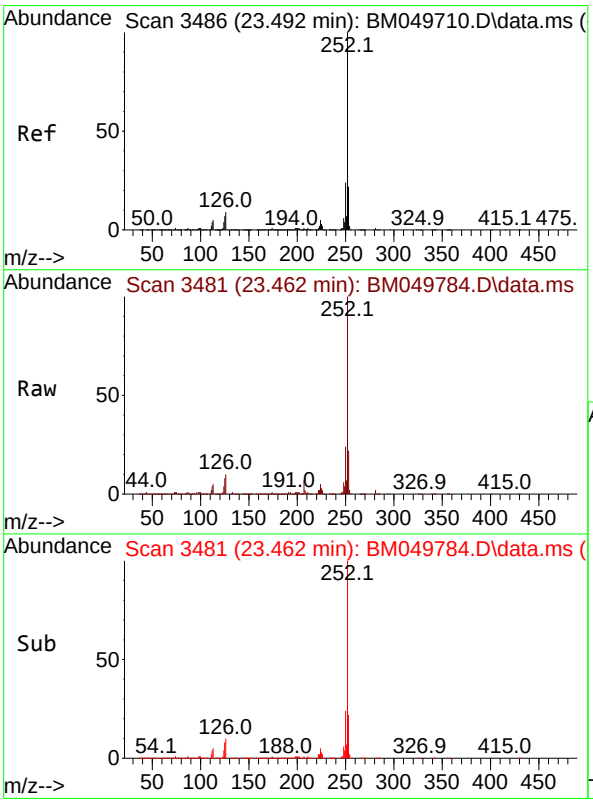
#87
Indeno(1,2,3-cd)pyrene
Concen: 36.973 ng
RT: 27.791 min Scan# 4
Delta R.T. -0.053 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 2972587

Ion	Ratio	Lower	Upper
276	100		
138	20.9	16.3	24.5
277	25.1	19.9	29.9

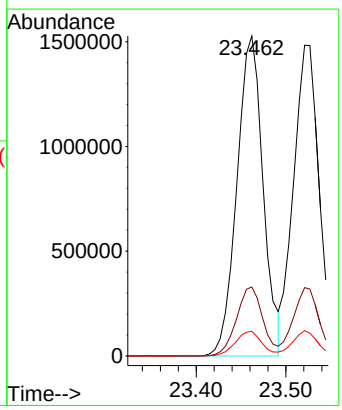


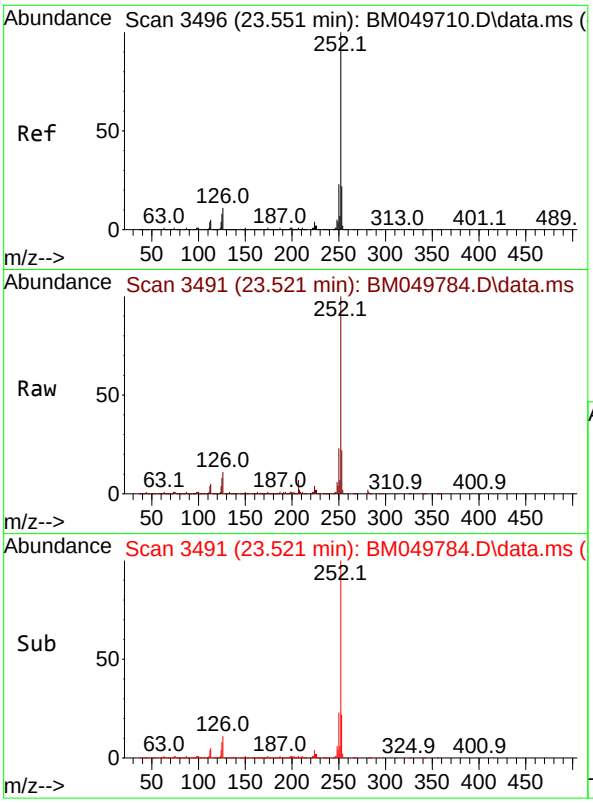


#88
Benzo(b)fluoranthene
Concen: 41.070 ng
RT: 23.462 min Scan# 3481
Delta R.T. -0.030 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:252 Resp: 3089999

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	7.7	5.9	8.9



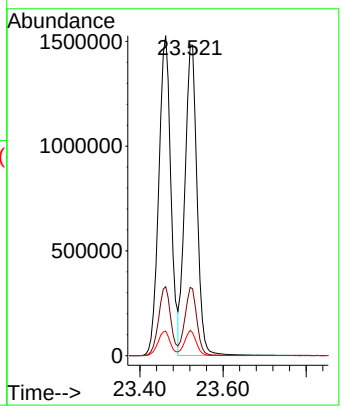


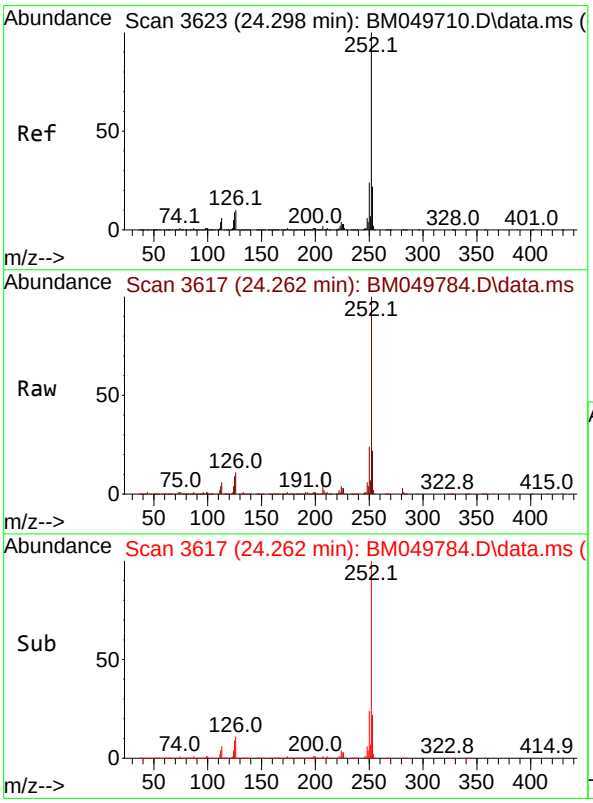
#89
Benzo(k)fluoranthene
Concen: 40.409 ng
RT: 23.521 min Scan# 34
Delta R.T. -0.030 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 2991569

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	8.2	6.2	9.2

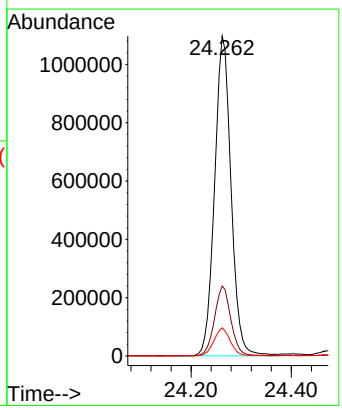


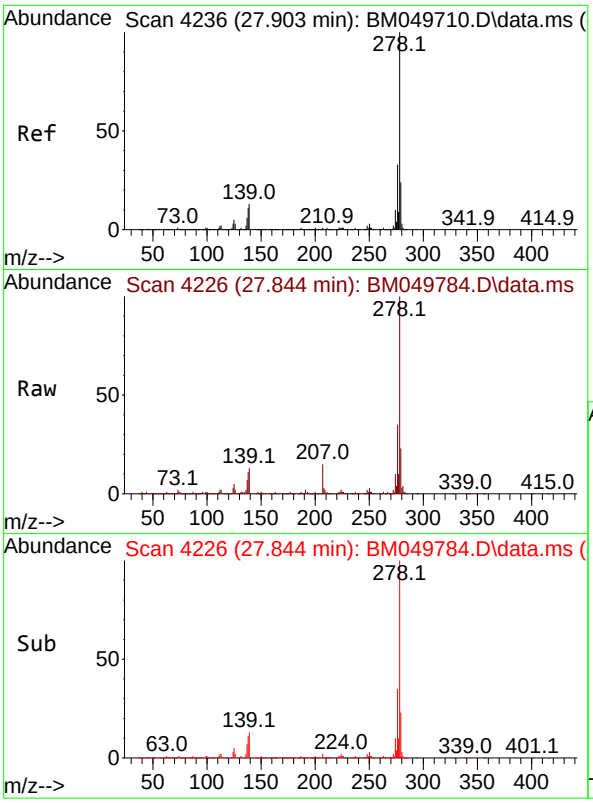


#90
Benzo(a)pyrene
Concen: 39.539 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.036 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:252 Resp: 2498684

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	8.8	7.0	10.6



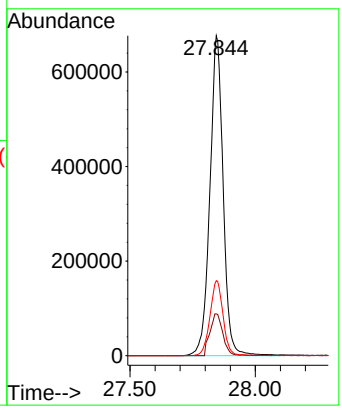


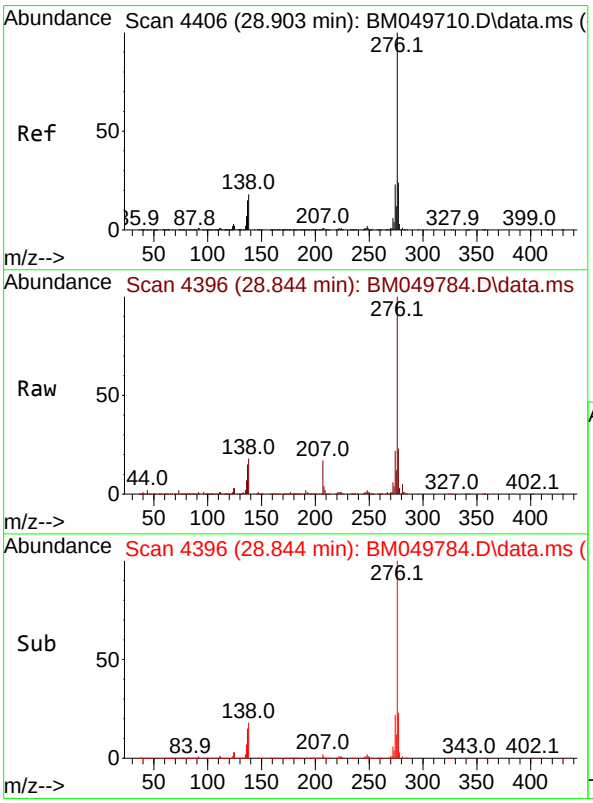
#91
Dibenzo(a,h)anthracene
Concen: 37.171 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.059 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2489927

Ion	Ratio	Lower	Upper
278	100		
139	13.1	10.1	15.1
279	23.5	19.1	28.7

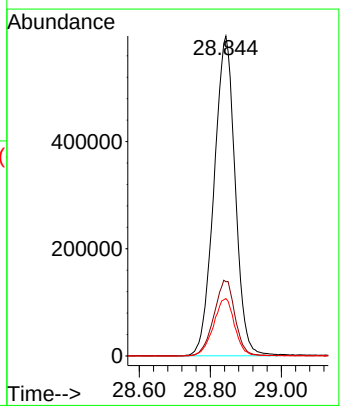




#92
Benzo(g,h,i)perylene
Concen: 36.459 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.059 min
Lab File: BM049784.D
Acq: 02 Apr 2025 10:46

Tgt Ion:276 Resp: 2460022

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.8	28.2
138	18.0	14.0	21.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049784.D
Acq On : 02 Apr 2025 10:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 02 11:49:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	135	-0.01
2		1,4-Dioxane	0.513	0.459	10.5	125	-0.01
3		Pyridine	1.310	1.270	3.1	132	-0.02
4		n-Nitrosodimethylamine	0.580	0.569	1.9	136	-0.01
5	S	2-Fluorophenol	1.185	1.154	2.6	132	-0.02
6		Aniline	1.246	1.309	-5.1	145	-0.01
7	S	Phenol-d6	1.487	1.586	-6.7	146	-0.02
8		2-Chlorophenol	1.174	1.174	0.0	138	-0.02
9		Benzaldehyde	0.735	0.749	-1.9	148	-0.02
10	C	Phenol	1.442	1.501	-4.1	145	-0.01
11		bis(2-Chloroethyl)ether	1.168	1.208	-3.4	145	-0.01
12		1,3-Dichlorobenzene	1.426	1.356	4.9	134	-0.02
13	C	1,4-Dichlorobenzene	1.439	1.368	4.9	133	-0.01
14		1,2-Dichlorobenzene	1.368	1.326	3.1	134	-0.01
15		Benzyl Alcohol	0.933	1.037	-11.1	151#	-0.01
16		2,2'-oxybis(1-Chloropropane	1.373	1.462	-6.5	149	-0.01
17		2-Methylphenol	0.856	0.918	-7.2	146	-0.01
18		Hexachloroethane	0.508	0.493	3.0	133	-0.01
19	P	n-Nitroso-di-n-propylamine	0.863	1.016	-17.7	158#	-0.01
20		3+4-Methylphenols	1.148	1.267	-10.4	150#	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	148	-0.02
22		Acetophenone	0.516	0.515	0.2	150#	-0.02
23	S	Nitrobenzene-d5	0.390	0.394	-1.0	151#	-0.01
24		Nitrobenzene	0.367	0.365	0.5	150#	-0.01
25		Isophorone	0.598	0.638	-6.7	160#	-0.01
26	C	2-Nitrophenol	0.156	0.164	-5.1	153#	-0.02
27		2,4-Dimethylphenol	0.199	0.202	-1.5	152#	-0.01
28		bis(2-Chloroethoxy)methane	0.421	0.434	-3.1	158#	-0.02
29	C	2,4-Dichlorophenol	0.324	0.332	-2.5	152#	-0.01
30		1,2,4-Trichlorobenzene	0.406	0.381	6.2	144	-0.01
31		Naphthalene	1.028	1.006	2.1	149	-0.01
32		Benzoic acid	0.169	0.188	-11.2	169#	0.00
33		4-Chloroaniline	0.351	0.359	-2.3	152#	-0.01
34	C	Hexachlorobutadiene	0.250	0.240	4.0	147	-0.02
35		Caprolactam	0.075	0.084	-12.0	158#	0.00
36	C	4-Chloro-3-methylphenol	0.278	0.303	-9.0	160#	-0.02
37		2-Methylnaphthalene	0.719	0.745	-3.6	156#	-0.02
38		1-Methylnaphthalene	0.694	0.722	-4.0	158#	-0.02
39	I	Acenaphthene-d10	1.000	1.000	0.0	160#	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.735	0.722	1.8	160#	-0.01
41	P	Hexachlorocyclopentadiene	0.272	0.267	1.8	155#	-0.01
42	S	2,4,6-Tribromophenol	0.234	0.259	-10.7	165#	-0.01
43	C	2,4,6-Trichlorophenol	0.411	0.423	-2.9	162#	-0.01
44		2,4,5-Trichlorophenol	0.449	0.460	-2.4	161#	-0.02
45	S	2-Fluorobiphenyl	1.597	1.626	-1.8	164#	-0.01
46		1,1'-Biphenyl	1.541	1.512	1.9	159#	-0.01
47		2-Chloronaphthalene	1.200	1.150	4.2	156#	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049784.D
Acq On : 02 Apr 2025 10:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 02 11:49:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.269	0.287	-6.7	164#	-0.01
49		Acenaphthylene	1.677	1.661	1.0	159#	-0.01
50		Dimethylphthalate	1.377	1.374	0.2	161#	-0.01
51		2,6-Dinitrotoluene	0.276	0.284	-2.9	162#	-0.01
52	C	Acenaphthene	1.100	1.102	-0.2	160#	-0.01
53		3-Nitroaniline	0.263	0.261	0.8	153#	-0.01
54	P	2,4-Dinitrophenol	0.134	0.129	3.7	157#	0.00
55		Dibenzofuran	1.833	1.806	1.5	161#	-0.01
56	P	4-Nitrophenol	0.229	0.212	7.4	146	-0.01
57		2,4-Dinitrotoluene	0.355	0.368	-3.7	159#	-0.01
58		Fluorene	1.492	1.552	-4.0	166#	-0.01
59		2,3,4,6-Tetrachlorophenol	0.376	0.391	-4.0	162#	-0.01
60		Diethylphthalate	1.297	1.318	-1.6	162#	-0.01
61		4-Chlorophenyl-phenylether	0.815	0.865	-6.1	169#	-0.02
62		4-Nitroaniline	0.274	0.273	0.4	146	0.00
63		Azobenzene	1.239	1.301	-5.0	167#	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	155#	-0.01
65		4,6-Dinitro-2-methylphenol	0.102	0.104	-2.0	161#	-0.01
66	c	n-Nitrosodiphenylamine	0.606	0.621	-2.5	160#	-0.01
67		4-Bromophenyl-phenylether	0.231	0.240	-3.9	164#	-0.01
68		Hexachlorobenzene	0.260	0.263	-1.2	162#	-0.01
69		Atrazine	0.134	0.144	-7.5	174#	-0.01
70	C	Pentachlorophenol	0.163	0.165	-1.2	159#	-0.01
71		Phenanthrene	1.111	1.101	0.9	156#	-0.01
72		Anthracene	1.076	1.080	-0.4	157#	-0.02
73		Carbazole	0.974	0.948	2.7	148	-0.01
74		Di-n-butylphthalate	1.068	1.099	-2.9	157#	-0.02
75	C	Fluoranthene	1.279	1.224	4.3	146	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	118	-0.02
77		Benzidine	0.240	0.323	-34.6#	181#	-0.02
78		Pyrene	1.397	1.607	-15.0	143	-0.01
79	S	Terphenyl-d14	1.187	1.487	-25.3#	145	-0.01
80		Butylbenzylphthalate	0.434	0.479	-10.4	131	-0.02
81		Benzo(a)anthracene	1.336	1.330	0.4	120	-0.02
82		3,3'-Dichlorobenzidine	0.435	0.400	8.0	115	-0.02
83		Chrysene	1.266	1.236	2.4	118	-0.02
84		Bis(2-ethylhexyl)phthalate	0.676	0.725	-7.2	126	-0.02
85	c	Di-n-octyl phthalate	1.050	0.946	9.9	111	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	98	-0.04
87		Indeno(1,2,3-cd)pyrene	1.440	1.331	7.6	91	-0.05
88		Benzo(b)fluoranthene	1.347	1.383	-2.7	102	-0.03
89		Benzo(k)fluoranthene	1.325	1.339	-1.1	102	-0.03
90	C	Benzo(a)pyrene	1.131	1.118	1.1	98	-0.04
91		Dibenzo(a,h)anthracene	1.199	1.115	7.0	92	-0.06
92		Benzo(g,h,i)perylene	1.208	1.101	8.9	90	-0.06

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049784.D
Acq On : 02 Apr 2025 10:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 02 11:49:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049784.D
Acq On : 02 Apr 2025 10:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 02 11:49:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	135	-0.01
2		1,4-Dioxane	40.000	35.769	10.6	125	-0.01
3		Pyridine	40.000	38.768	3.1	132	-0.02
4		n-Nitrosodimethylamine	40.000	39.250	1.9	136	-0.01
5	S	2-Fluorophenol	80.000	77.913	2.6	132	-0.02
6		Aniline	40.000	42.010	-5.0	145	-0.01
7	S	Phenol-d6	80.000	85.297	-6.6	146	-0.02
8		2-Chlorophenol	40.000	40.019	-0.0	138	-0.02
9		Benzaldehyde	40.000	40.741	-1.9	148	-0.02
10	C	Phenol	40.000	41.621	-4.1	145	-0.01
11		bis(2-Chloroethyl)ether	40.000	41.386	-3.5	145	-0.01
12		1,3-Dichlorobenzene	40.000	38.024	4.9	134	-0.02
13	C	1,4-Dichlorobenzene	40.000	38.034	4.9	133	-0.01
14		1,2-Dichlorobenzene	40.000	38.785	3.0	134	-0.01
15		Benzyl Alcohol	40.000	44.442	-11.1	151	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	42.607	-6.5	149	-0.01
17		2-Methylphenol	40.000	42.882	-7.2	146	-0.01
18		Hexachloroethane	40.000	38.787	3.0	133	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	47.112	-17.8	158	-0.01
20		3+4-Methylphenols	40.000	44.156	-10.4	150	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	148	-0.02
22		Acetophenone	40.000	39.917	0.2	150	-0.02
23	S	Nitrobenzene-d5	80.000	80.959	-1.2	151	-0.01
24		Nitrobenzene	40.000	39.772	0.6	150	-0.01
25		Isophorone	40.000	42.643	-6.6	160	-0.01
26	C	2-Nitrophenol	40.000	41.834	-4.6	153	-0.02
27		2,4-Dimethylphenol	40.000	40.545	-1.4	152	-0.01
28		bis(2-Chloroethoxy)methane	40.000	41.202	-3.0	158	-0.02
29	C	2,4-Dichlorophenol	40.000	40.907	-2.3	152	-0.01
30		1,2,4-Trichlorobenzene	40.000	37.560	6.1	144	-0.01
31		Naphthalene	40.000	39.137	2.2	149	-0.01
32		Benzoic acid	40.000	44.445	-11.1	169	0.00
33		4-Chloroaniline	40.000	40.893	-2.2	152	-0.01
34	C	Hexachlorobutadiene	40.000	38.391	4.0	147	-0.02
35		Caprolactam	40.000	44.663	-11.7	158	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.568	-8.9	160	-0.02
37		2-Methylnaphthalene	40.000	41.417	-3.5	156	-0.02
38		1-Methylnaphthalene	40.000	41.600	-4.0	158	-0.02
39	I	Acenaphthene-d10	20.000	20.000	0.0	160	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	39.302	1.7	160	-0.01
41	P	Hexachlorocyclopentadiene	40.000	39.231	1.9	155	-0.01
42	S	2,4,6-Tribromophenol	80.000	88.651	-10.8	165	-0.01
43	C	2,4,6-Trichlorophenol	40.000	41.129	-2.8	162	-0.01
44		2,4,5-Trichlorophenol	40.000	41.003	-2.5	161	-0.02
45	S	2-Fluorobiphenyl	80.000	81.475	-1.8	164	-0.01
46		1,1'-Biphenyl	40.000	39.233	1.9	159	-0.01
47		2-Chloronaphthalene	40.000	38.349	4.1	156	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049784.D
Acq On : 02 Apr 2025 10:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 02 11:49:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.558	-6.4	164	-0.01
49		Acenaphthylene	40.000	39.615	1.0	159	-0.01
50		Dimethylphthalate	40.000	39.926	0.2	161	-0.01
51		2,6-Dinitrotoluene	40.000	41.202	-3.0	162	-0.01
52	C	Acenaphthene	40.000	40.069	-0.2	160	-0.01
53		3-Nitroaniline	40.000	39.744	0.6	153	-0.01
54	P	2,4-Dinitrophenol	40.000	38.607	3.5	157	0.00
55		Dibenzofuran	40.000	39.412	1.5	161	-0.01
56	P	4-Nitrophenol	40.000	37.065	7.3	146	-0.01
57		2,4-Dinitrotoluene	40.000	41.472	-3.7	159	-0.01
58		Fluorene	40.000	41.610	-4.0	166	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	41.581	-4.0	162	-0.01
60		Diethylphthalate	40.000	40.661	-1.7	162	-0.01
61		4-Chlorophenyl-phenylether	40.000	42.447	-6.1	169	-0.02
62		4-Nitroaniline	40.000	35.934	10.2	146	0.00
63		Azobenzene	40.000	41.998	-5.0	167	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	155	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	40.189	-0.5	161	-0.01
66	c	n-Nitrosodiphenylamine	40.000	41.024	-2.6	160	-0.01
67		4-Bromophenyl-phenylether	40.000	41.525	-3.8	164	-0.01
68		Hexachlorobenzene	40.000	40.487	-1.2	162	-0.01
69		Atrazine	40.000	43.124	-7.8	174	-0.01
70	C	Pentachlorophenol	40.000	40.512	-1.3	159	-0.01
71		Phenanthrene	40.000	39.641	0.9	156	-0.01
72		Anthracene	40.000	40.177	-0.4	157	-0.02
73		Carbazole	40.000	38.934	2.7	148	-0.01
74		Di-n-butylphthalate	40.000	41.186	-3.0	157	-0.02
75	C	Fluoranthene	40.000	38.301	4.2	146	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	118	-0.02
77		Benzidine	40.000	53.714	-34.3#	181	-0.02
78		Pyrene	40.000	46.007	-15.0	143	-0.01
79	S	Terphenyl-d14	80.000	100.223	-25.3#	145	-0.01
80		Butylbenzylphthalate	40.000	44.227	-10.6	131	-0.02
81		Benzo(a)anthracene	40.000	39.817	0.5	120	-0.02
82		3,3'-Dichlorobenzidine	40.000	36.822	7.9	115	-0.02
83		Chrysene	40.000	39.051	2.4	118	-0.02
84		Bis(2-ethylhexyl)phthalate	40.000	42.908	-7.3	126	-0.02
85	c	Di-n-octyl phthalate	40.000	36.033	9.9	111	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	98	-0.04
87		Indeno(1,2,3-cd)pyrene	40.000	36.973	7.6	91	-0.05
88		Benzo(b)fluoranthene	40.000	41.070	-2.7	102	-0.03
89		Benzo(k)fluoranthene	40.000	40.409	-1.0	102	-0.03
90	C	Benzo(a)pyrene	40.000	39.539	1.2	98	-0.04
91		Dibenzo(a,h)anthracene	40.000	37.171	7.1	92	-0.06
92		Benzo(g,h,i)perylene	40.000	36.459	8.9	90	-0.06

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049784.D
Acq On : 02 Apr 2025 10:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 02 11:49:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

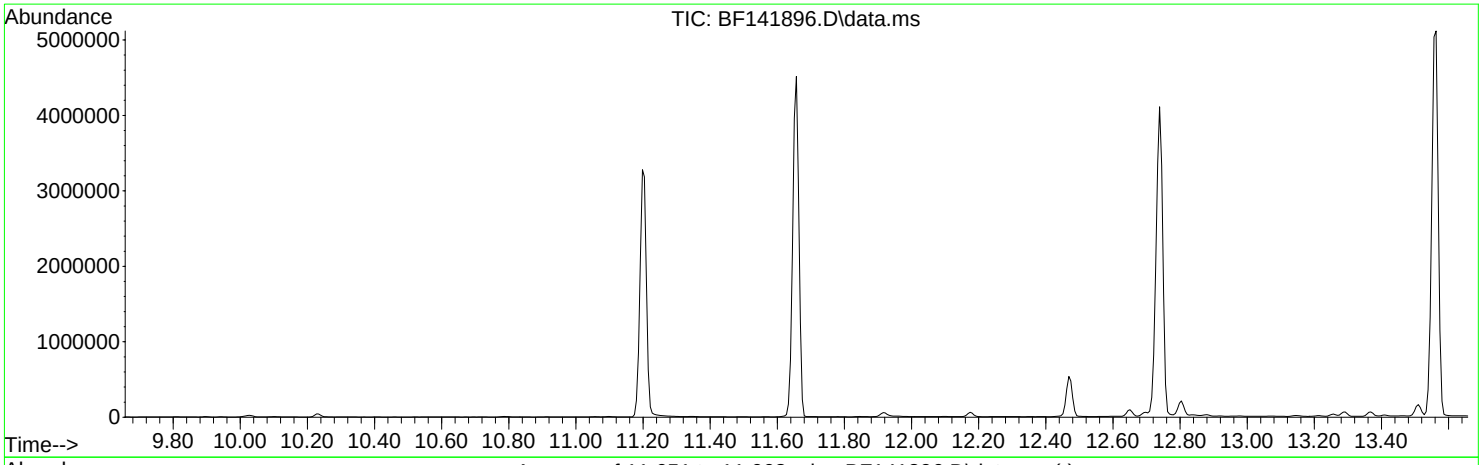
QC SAMPLE DATA

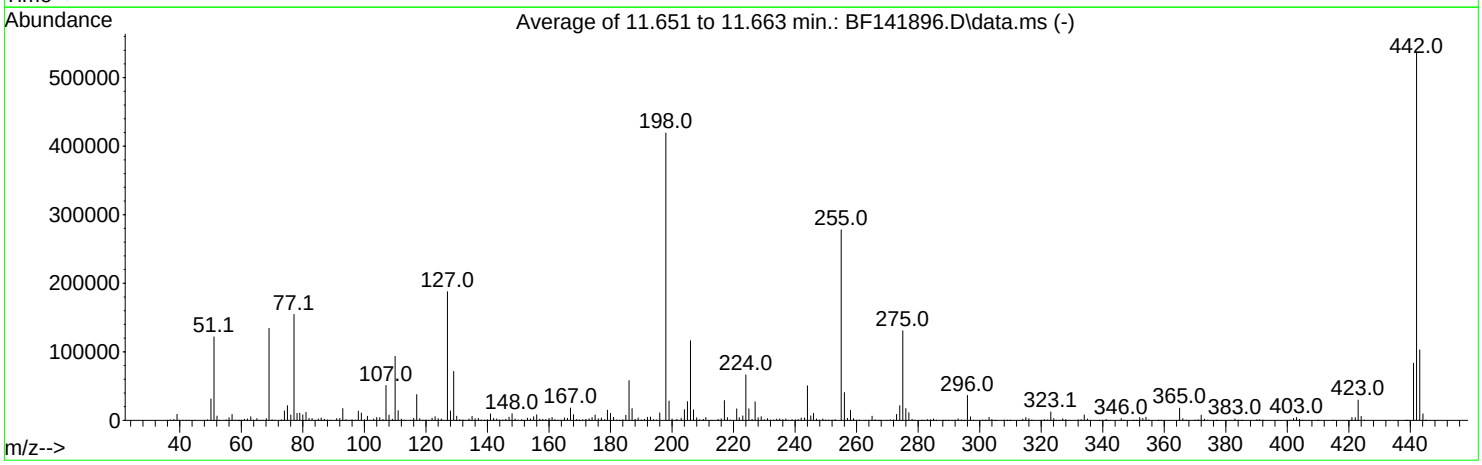
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025





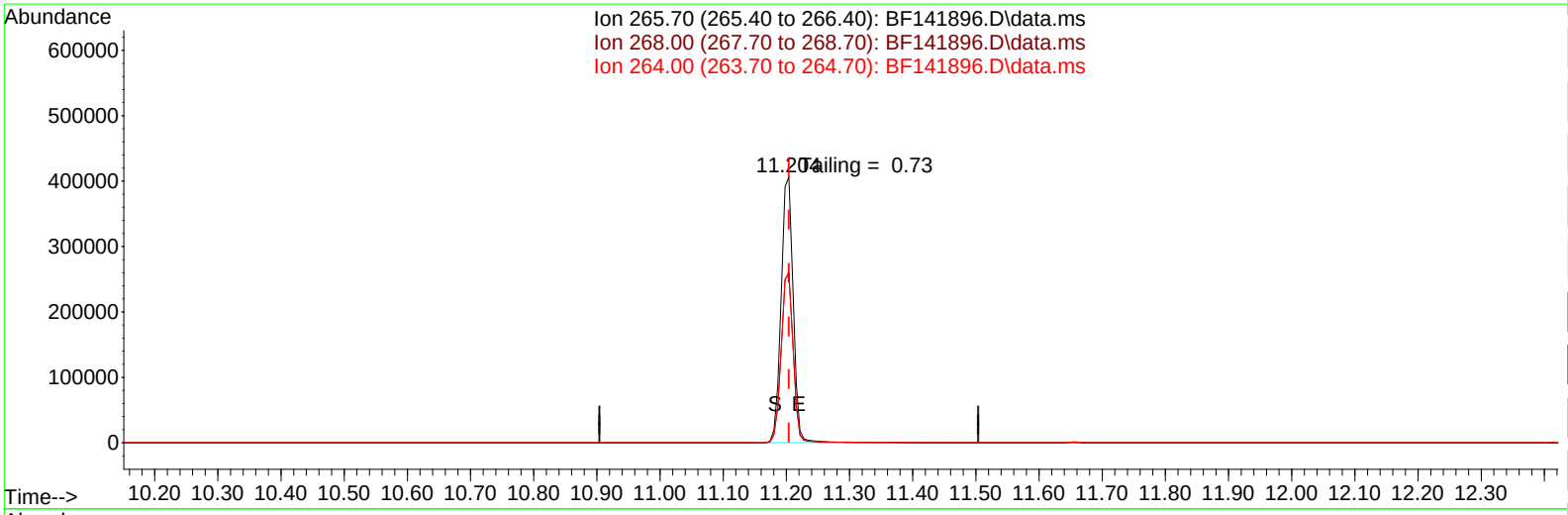
AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1617

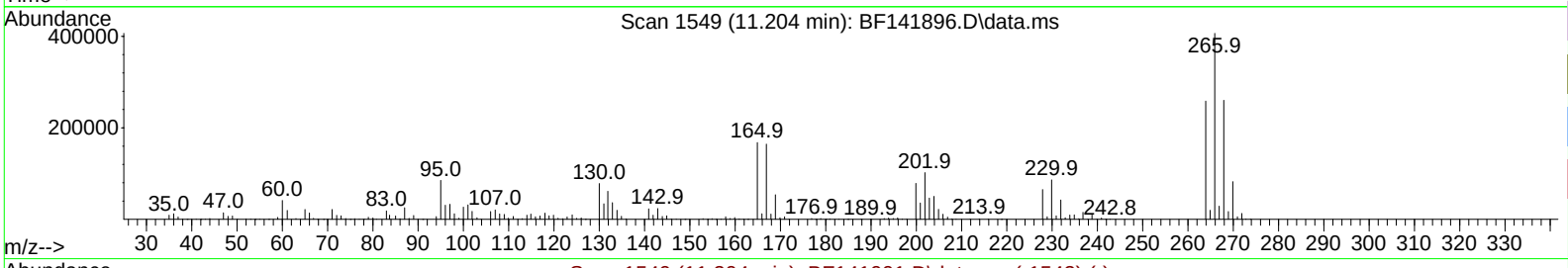
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.1	121957	PASS
68	69	0.00	2	1.9	2599	PASS
69	198	0.00	100	32.0	134239	PASS
70	69	0.00	2	0.7	949	PASS
127	198	10	80	44.8	187627	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	419221	PASS
199	198	5	9	6.7	28280	PASS
275	198	10	60	31.2	130819	PASS
365	198	1	100	4.2	17803	PASS
441	198	0.01	100	19.9	83389	PASS
442	442	50	100	100.0	536640	PASS
443	442	15	24	19.2	102888	PASS

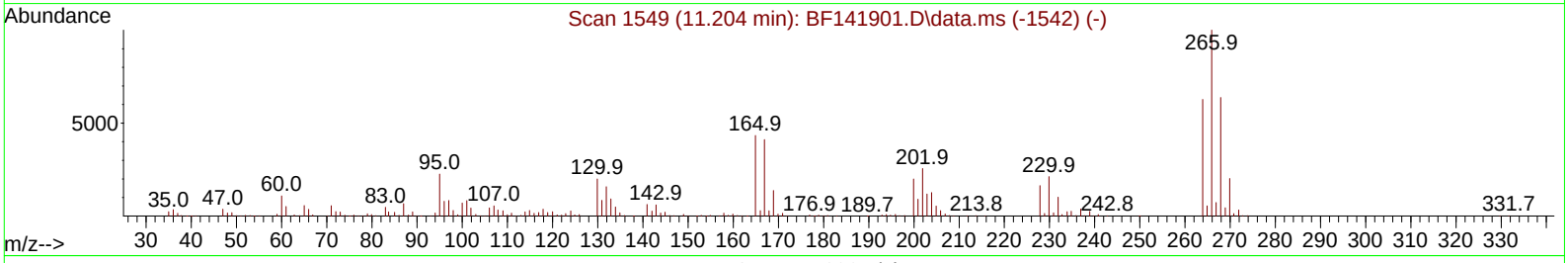
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 10 16:16:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF141896.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.000) 118650.09 ng

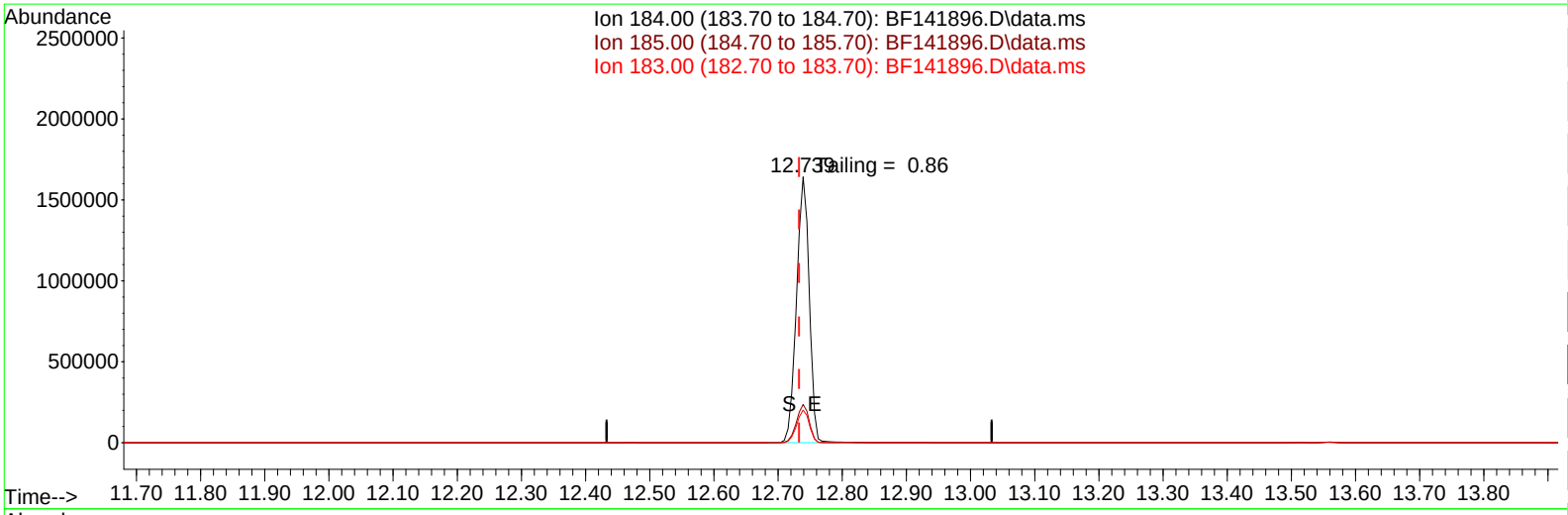
response 544757

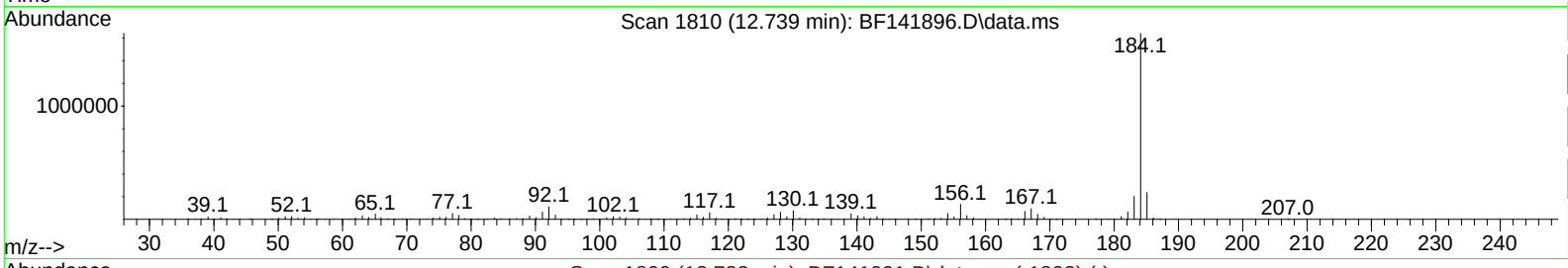
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	64.05
264.00	62.70	63.55
0.00	0.00	0.00

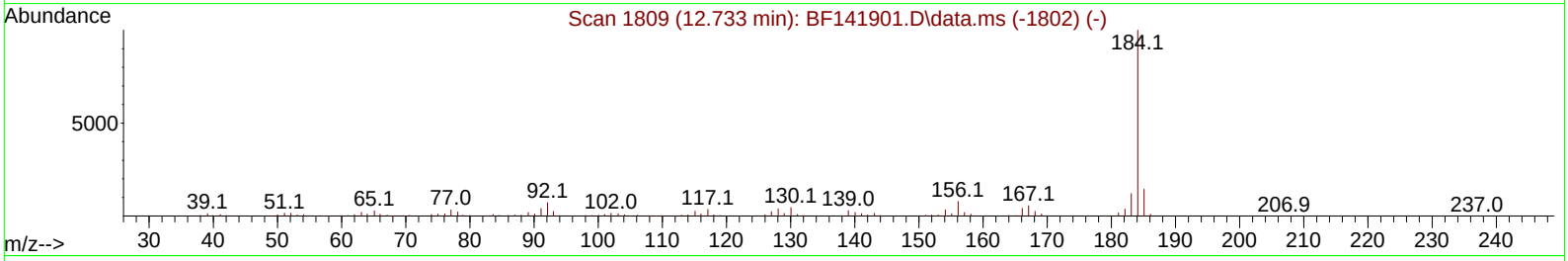
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 10 16:16:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF141896.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 203796.44 ng

response 2274676

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.38
183.00	12.10	12.32
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

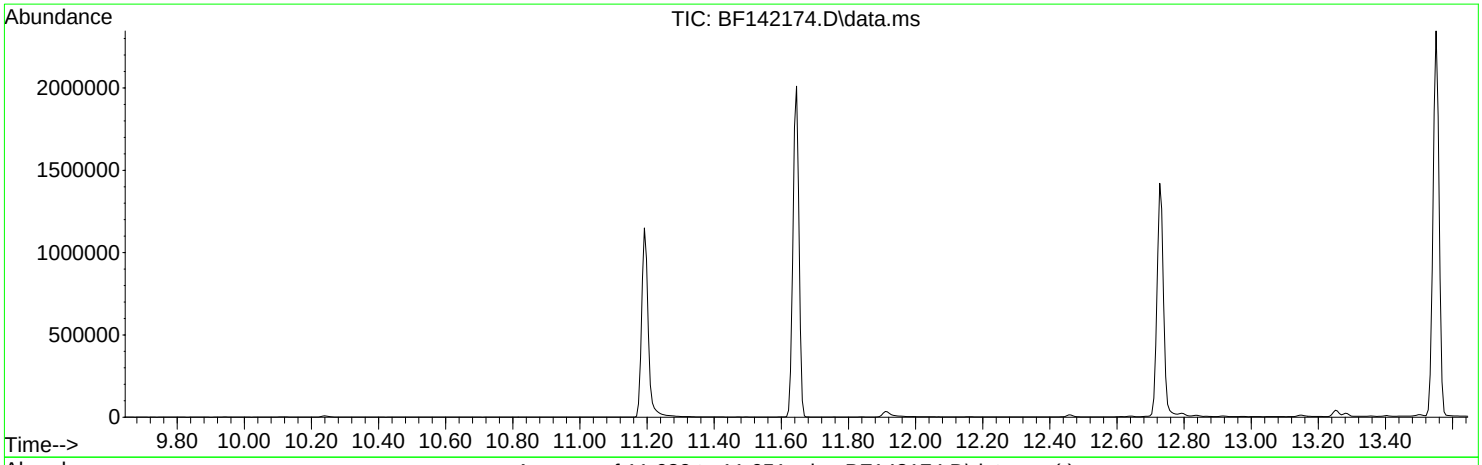
Date	Instrument Name	DFTPP Data File
3/10/2025	BNA_F	BF141896.D
Compound Name	**Response**	**Retention Time**
DDT	1358235	13.562
DDD	20094	13.292
DDE	930	12.921
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
21024	1379259	1.52

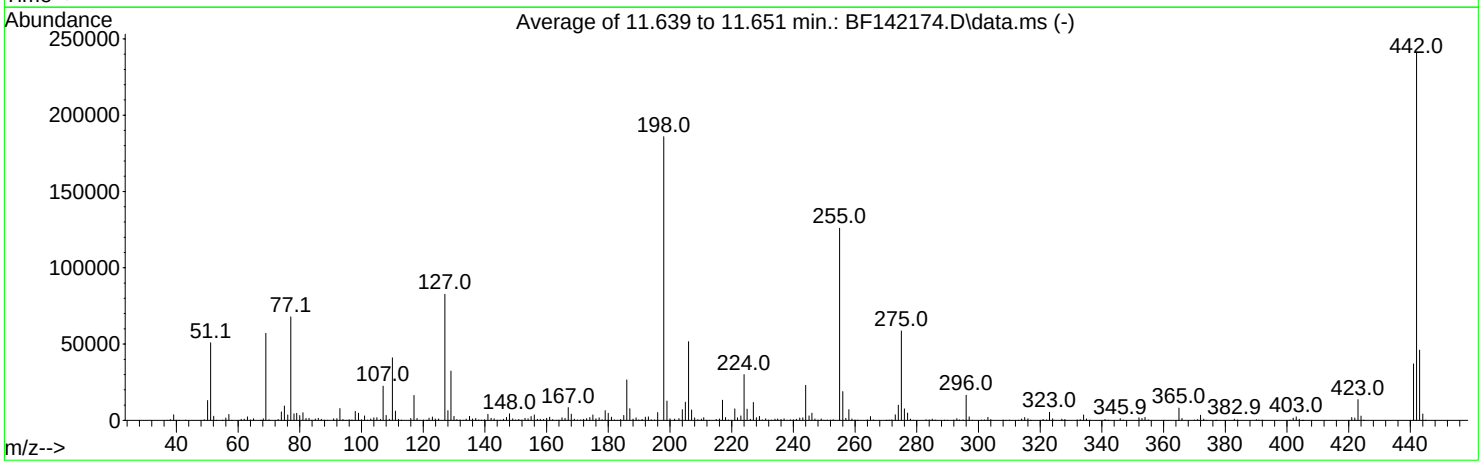
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142174.D
Acq On : 31 Mar 2025 11:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025





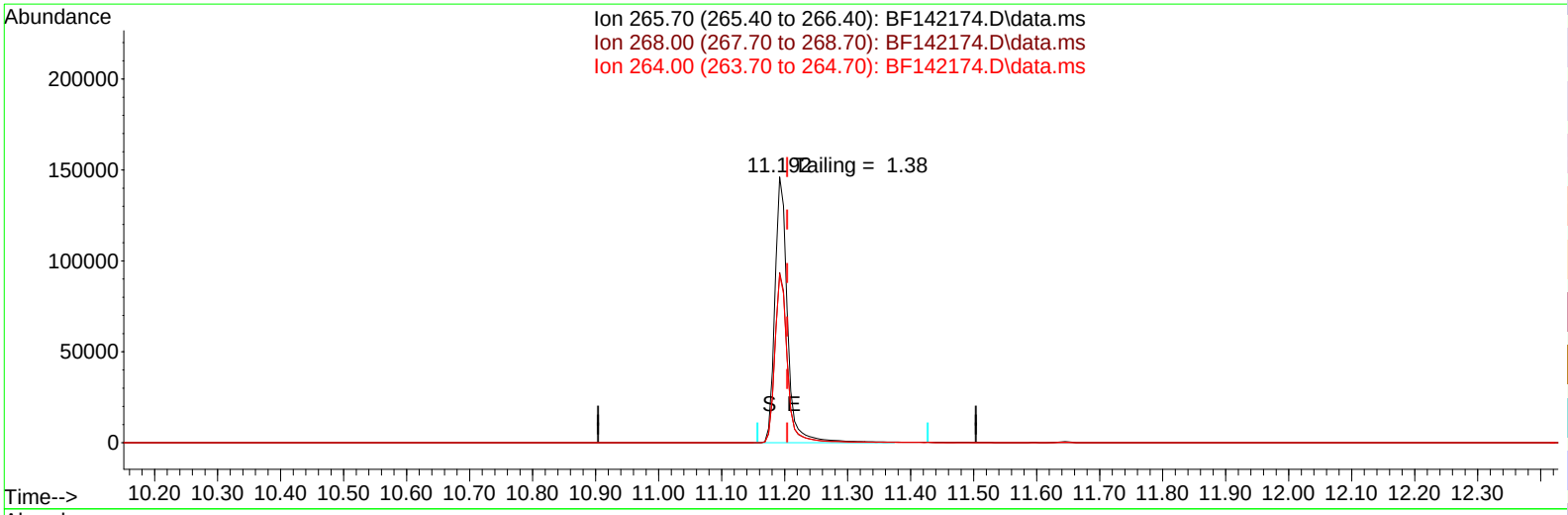
AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1616

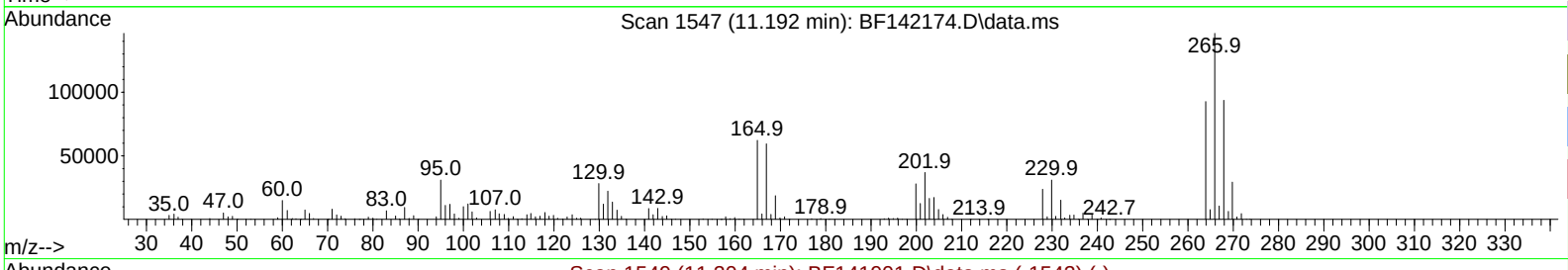
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	27.4	50853	PASS
68	69	0.00	2	1.8	1026	PASS
69	198	0.00	100	30.7	57003	PASS
70	69	0.00	2	0.7	402	PASS
127	198	10	80	44.4	82605	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	185877	PASS
199	198	5	9	6.8	12724	PASS
275	198	10	60	31.5	58629	PASS
365	198	1	100	4.3	8063	PASS
441	198	0.01	100	19.9	36995	PASS
442	442	50	100	100.0	241088	PASS
443	442	15	24	19.1	46021	PASS

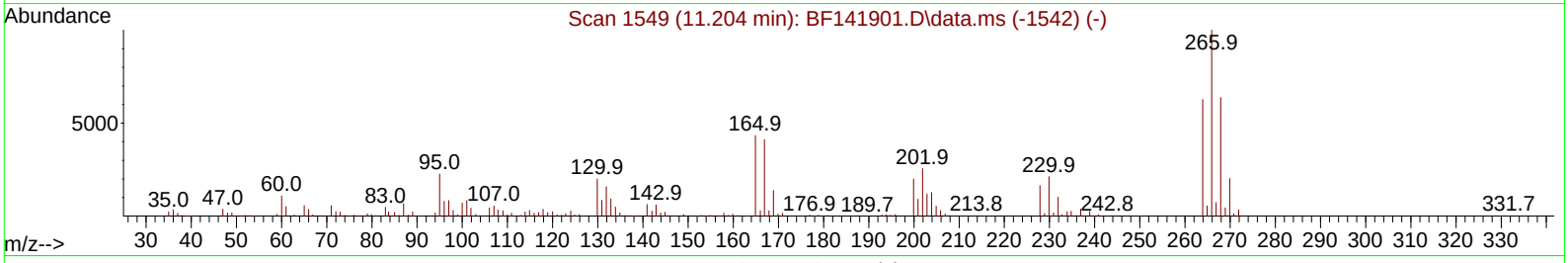
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142174.D
Acq On : 31 Mar 2025 11:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 31 13:27:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF142174.D\data.ms

(70) Pentachlorophenol (C)

11.192min (-0.012) 85074.56 ng

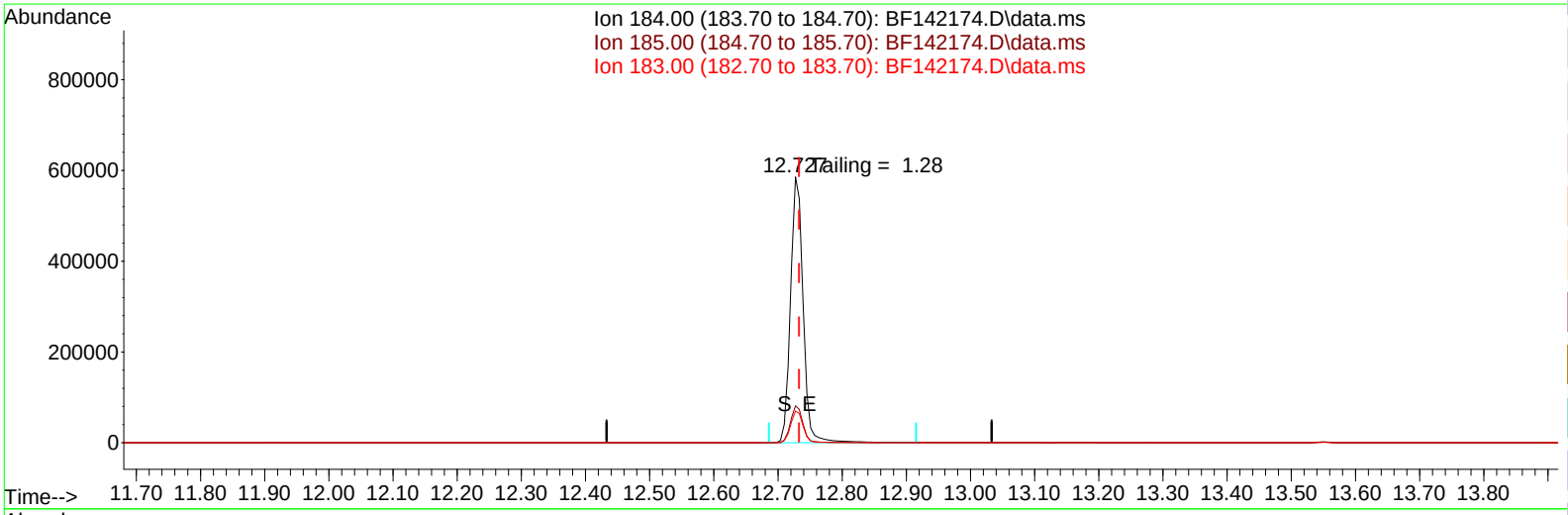
response 205770

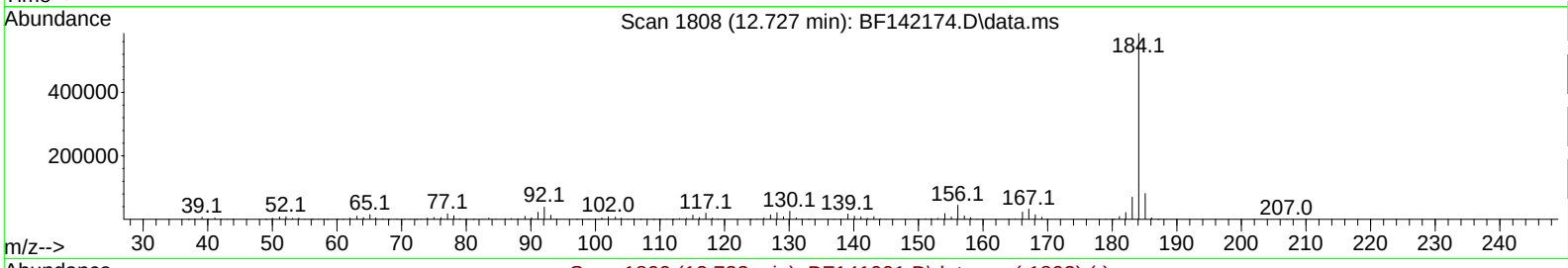
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	64.05
264.00	62.70	63.34
0.00	0.00	0.00

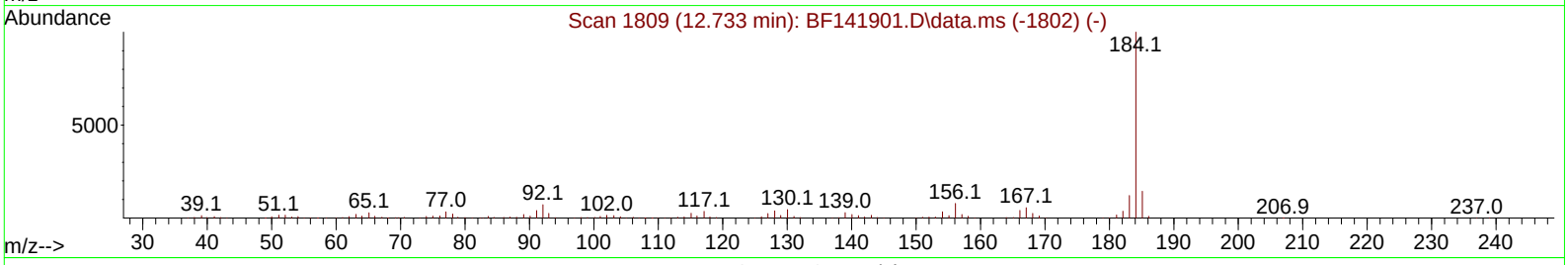
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142174.D
Acq On : 31 Mar 2025 11:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 31 13:27:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF142174.D\data.ms

(77) Benzidine

12.727min (-0.006) 153700.47 ng

response 802010

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.89
183.00	12.10	11.96
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

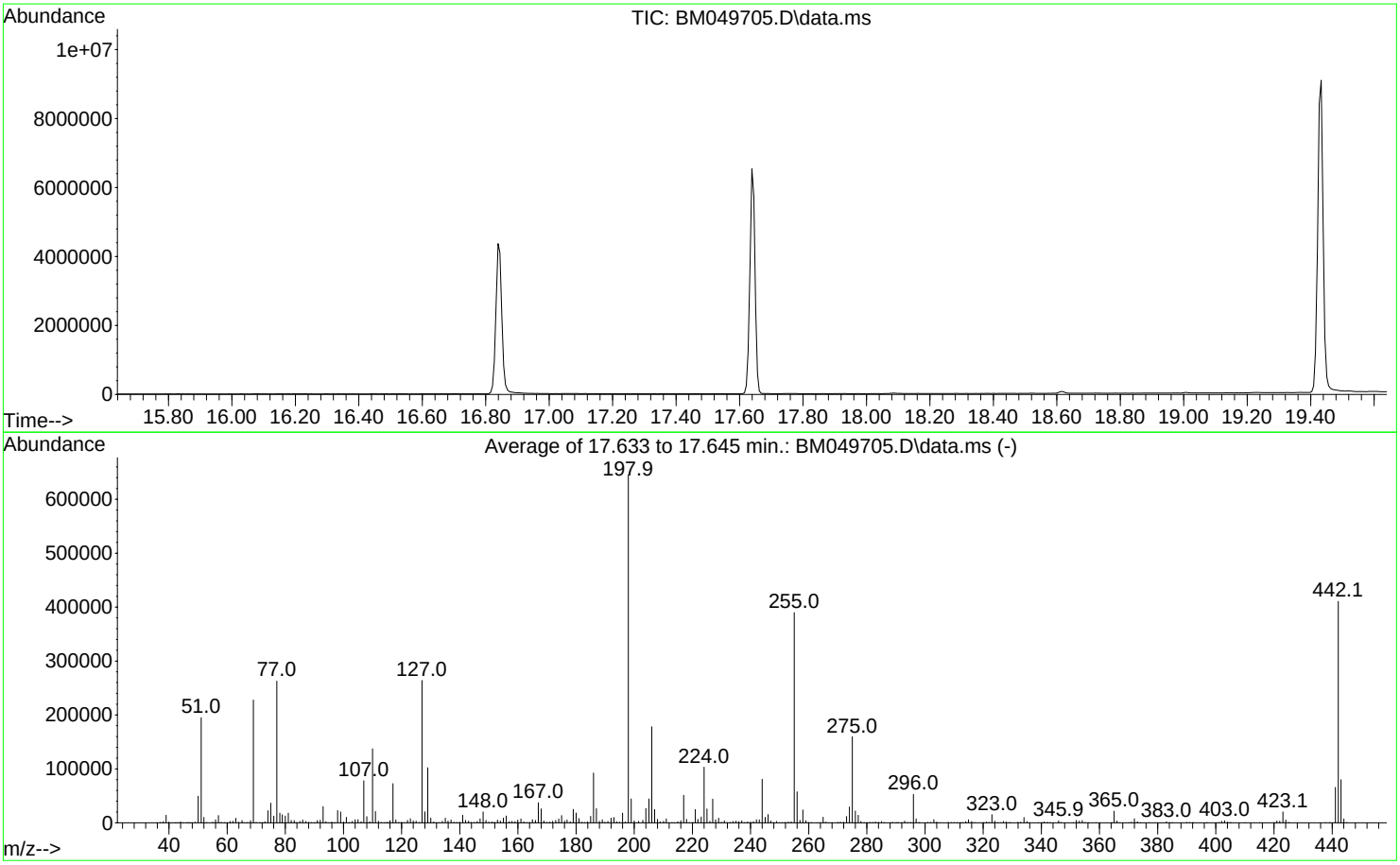
Date	Instrument Name	DFTPP Data File
3/31/2025	BNA_F	BF142174.D
Compound Name	**Response**	**Retention Time**
DDT	776493	13.557
DDD	16504	13.251
DDE	1369	12.916
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
17873	794366	2.25

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049705.D
Acq On : 13 Mar 2025 08:24
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-BM031325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 14:55:34 2025



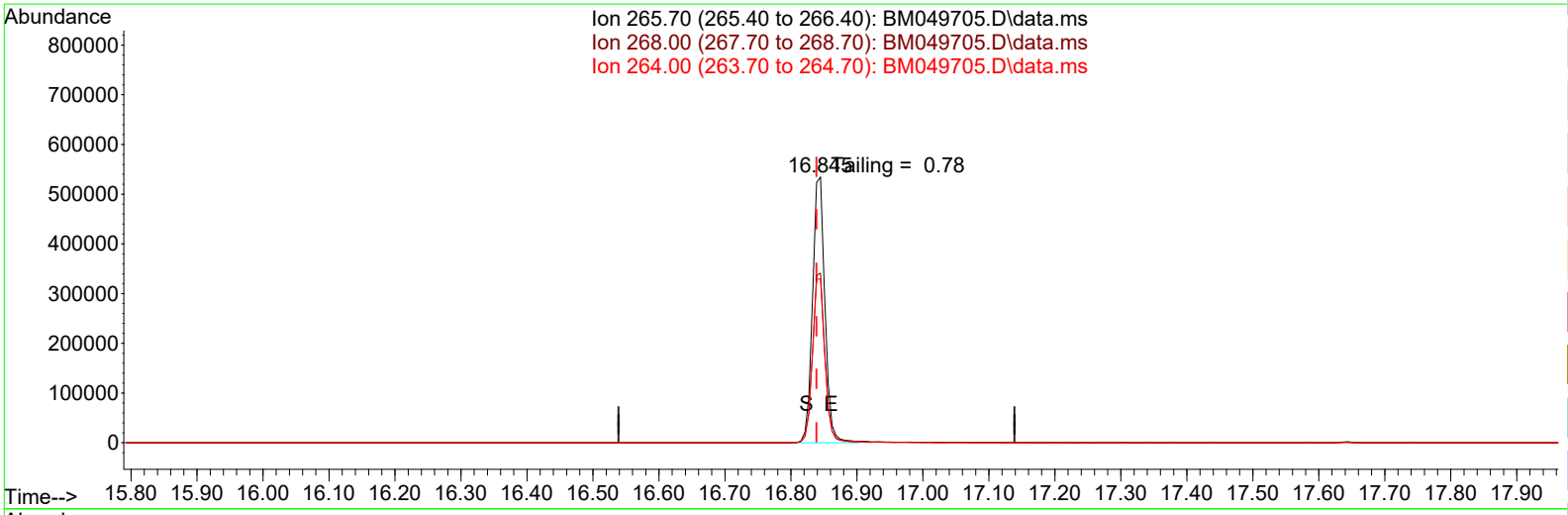
AutoFind: Scans 2490, 2491, 2492; Background Corrected with Scan 2483

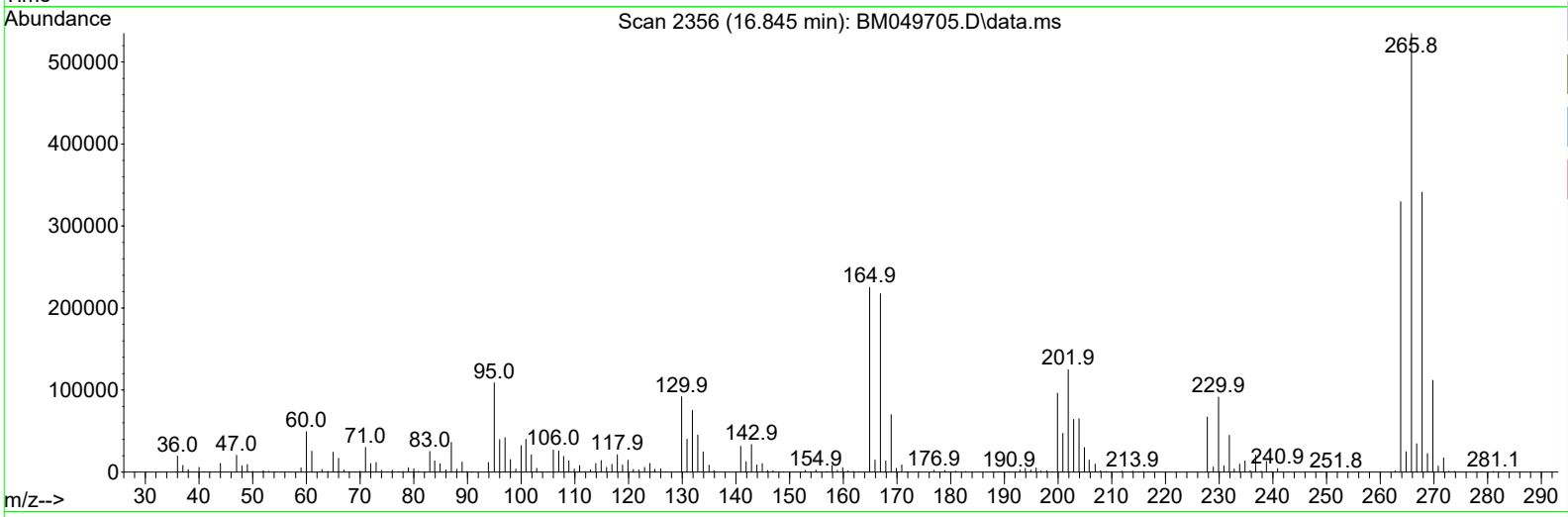
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.2	195050	PASS
68	69	0.00	2	1.7	3856	PASS
69	198	0.00	100	35.3	227755	PASS
70	69	0.00	2	0.4	953	PASS
127	198	10	80	40.9	264085	PASS
197	198	0.00	2	0.2	1585	PASS
198	198	100	100	100.0	644928	PASS
199	198	5	9	6.9	44307	PASS
275	198	10	60	24.7	159525	PASS
365	198	1	100	3.4	21715	PASS
441	198	0.01	100	10.2	65573	PASS
442	442	50	100	100.0	410773	PASS
443	442	15	24	19.4	79851	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049705.D
Acq On : 13 Mar 2025 08:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Mar 13 14:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration





TIC: BM049705.D\data.ms

(70) Pentachlorophenol (C)

16.845min (+ 0.006) 240791.00 ng

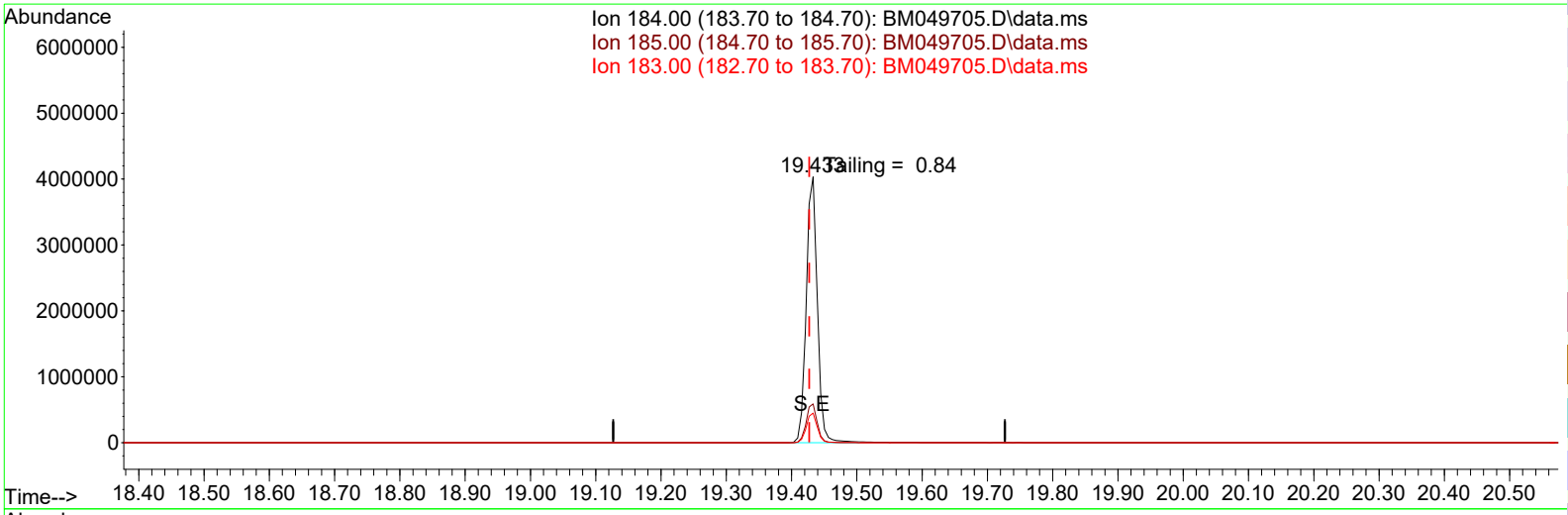
response 705303

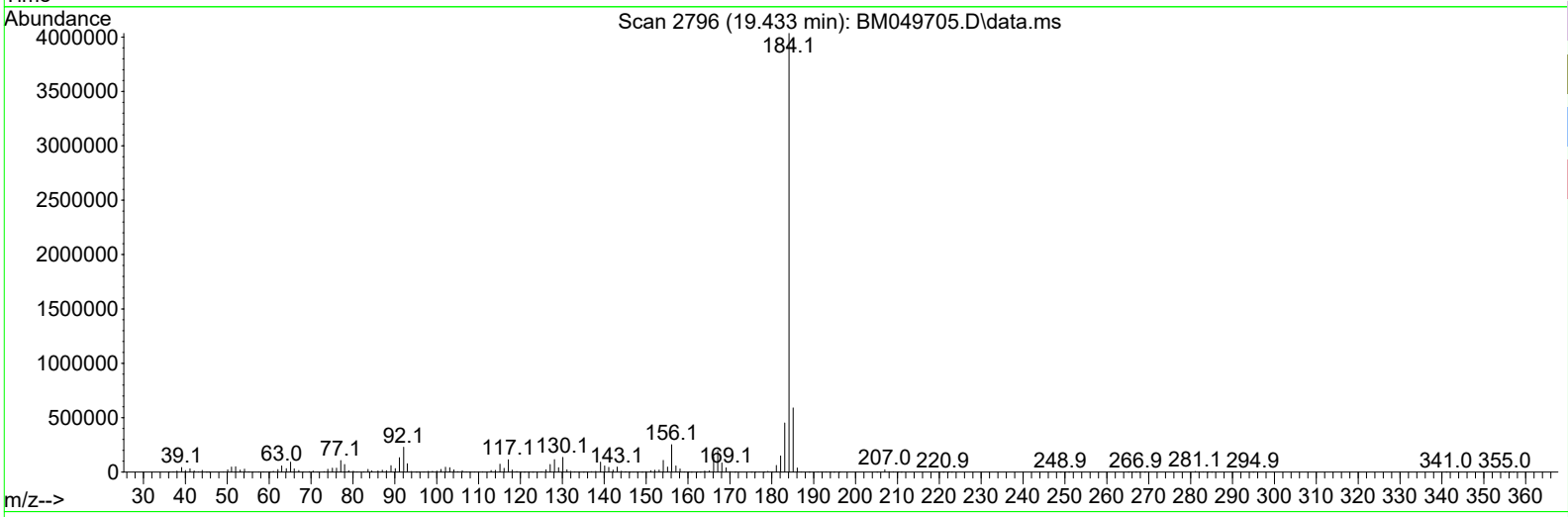
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.70	63.81
264.00	64.10	61.63
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031325\
Data File : BM049705.D
Acq On : 13 Mar 2025 08:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Mar 13 14:58:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration





TIC: BM049705.D\data.ms

(77) Benzidine

19.433min (+ 0.006) 192481.98 ng

response 4789142

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.64
183.00	11.00	11.19
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
DFTPP

DDT Breakdown

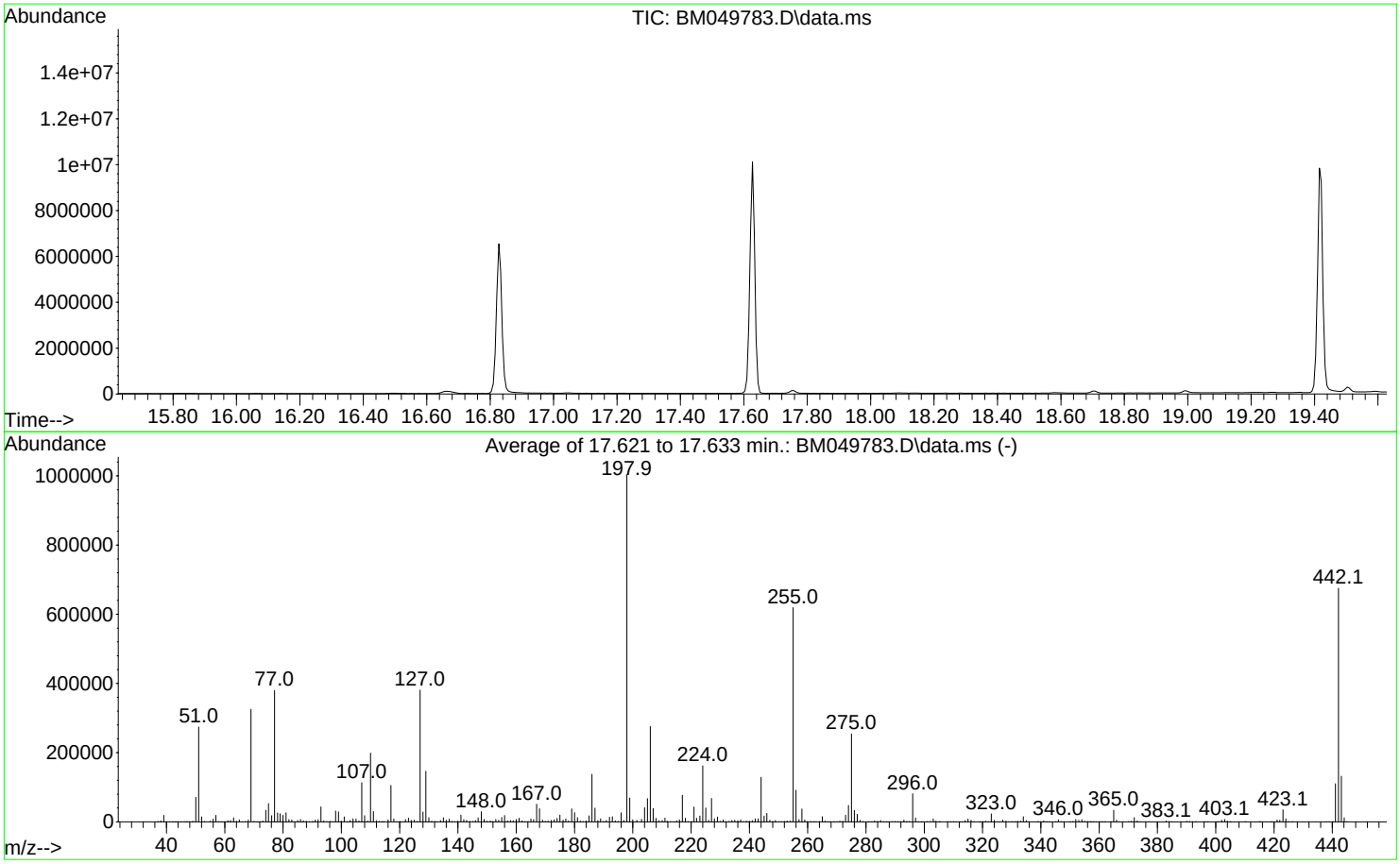
Date	Instrument Name	DFTPP Data File
3/13/2025	BNA_M	BM049705.D
Compound Name	**Response**	**Retention Time**
DDT	2260553	20.674
DDD	15649	20.286
DDE	487	19.721
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
16136	2276689	0.71

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049783.D
Acq On : 02 Apr 2025 09:29
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-BM031325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 14:55:34 2025



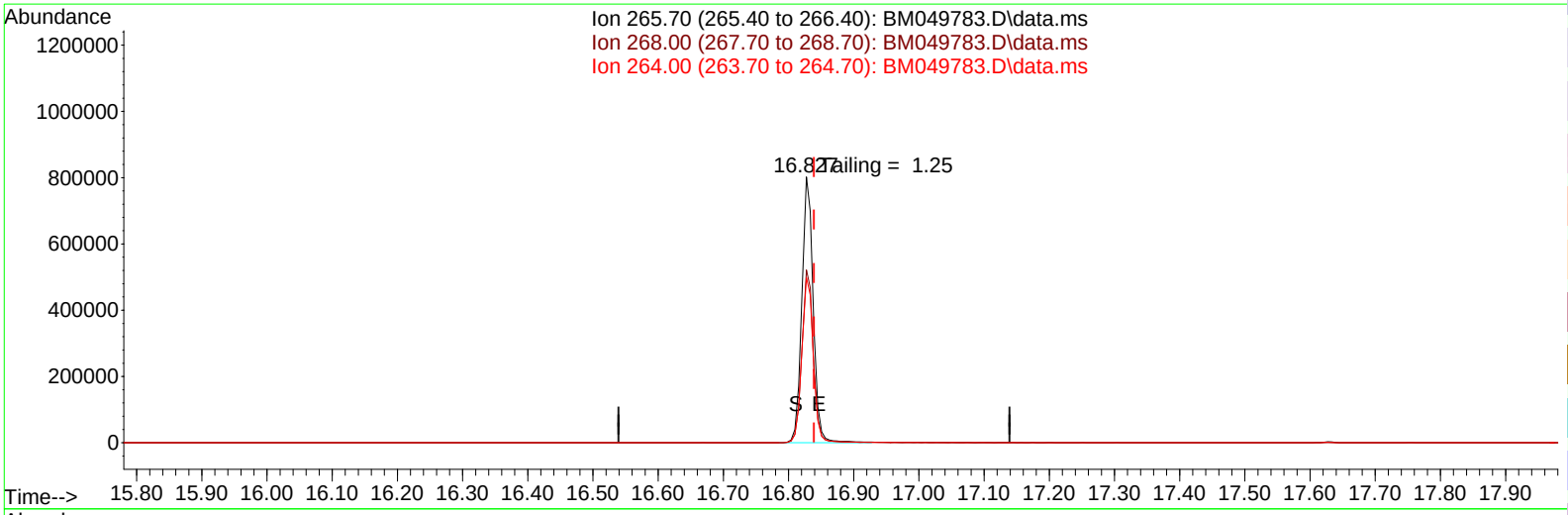
AutoFind: Scans 2488, 2489, 2490; Background Corrected with Scan 2481

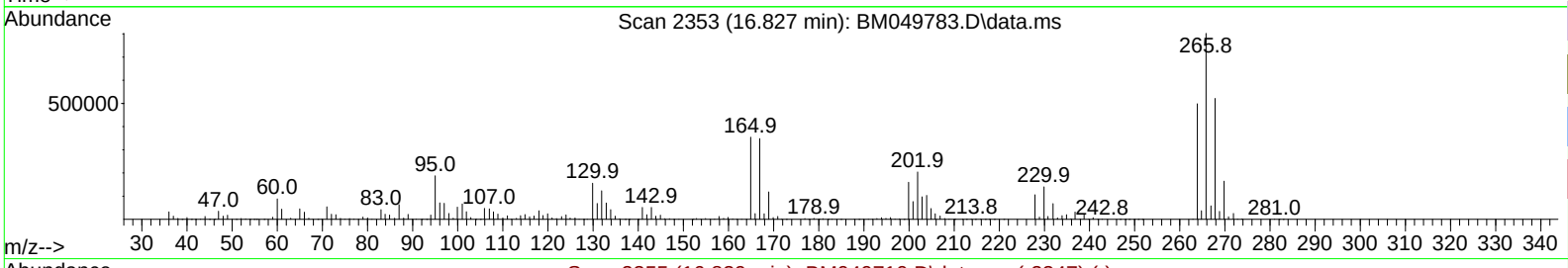
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	27.3	274186	PASS
68	69	0.00	2	1.6	5067	PASS
69	198	0.00	100	32.4	325499	PASS
70	69	0.00	2	0.4	1431	PASS
127	198	10	80	37.9	380693	PASS
197	198	0.00	2	0.4	3990	PASS
198	198	100	100	100.0	1003989	PASS
199	198	5	9	6.9	69243	PASS
275	198	10	60	25.3	254059	PASS
365	198	1	100	3.3	33576	PASS
441	198	0.01	100	11.0	110251	PASS
442	442	50	100	100.0	675136	PASS
443	442	15	24	19.5	131715	PASS

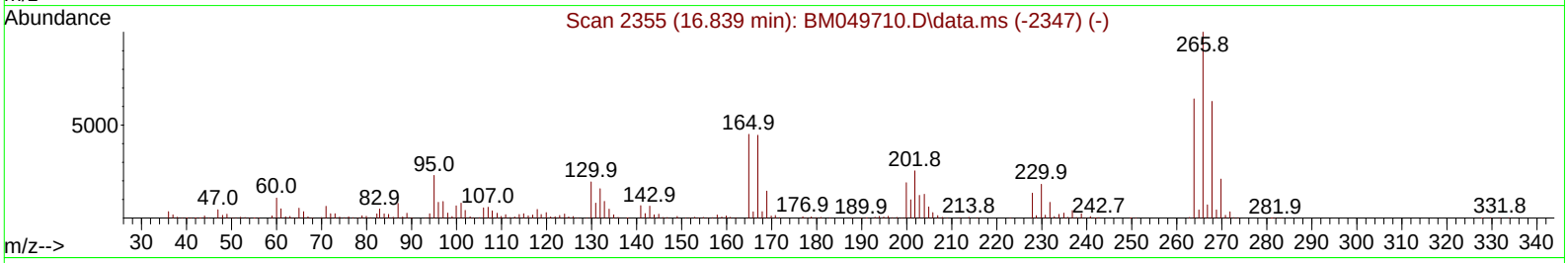
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049783.D
Acq On : 02 Apr 2025 09:29
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 02 11:48:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration







TIC: BM049783.D\data.ms

(70) Pentachlorophenol (C)

16.827min (-0.012) 68544.51 ng

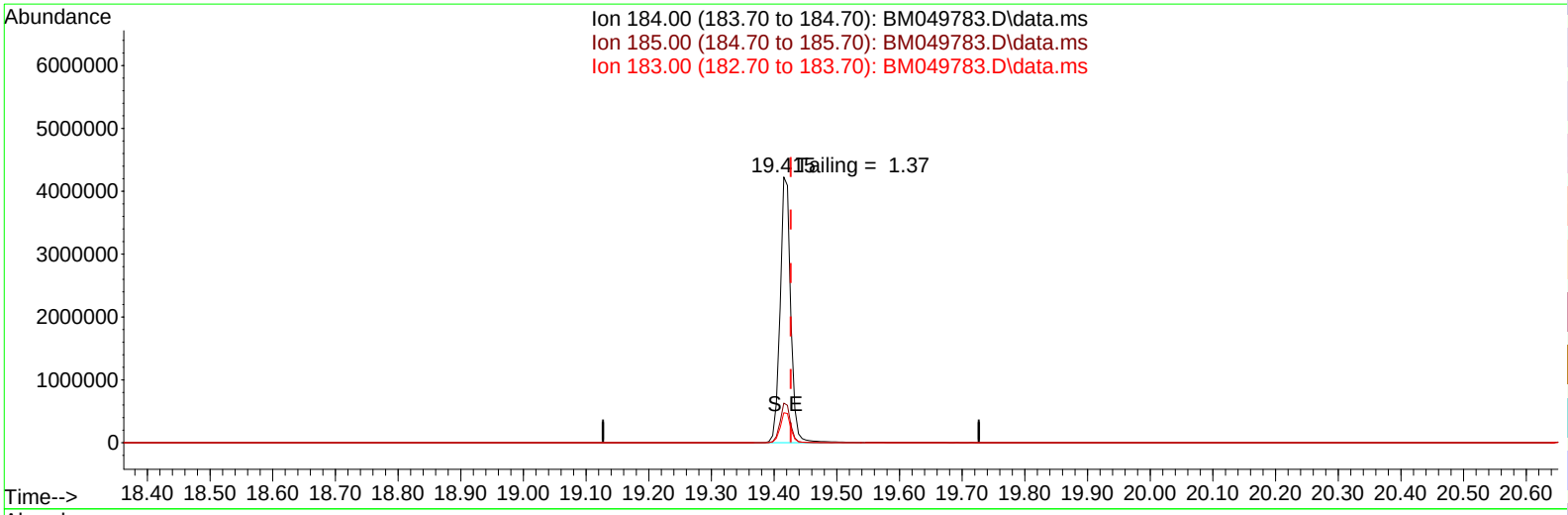
response 974790

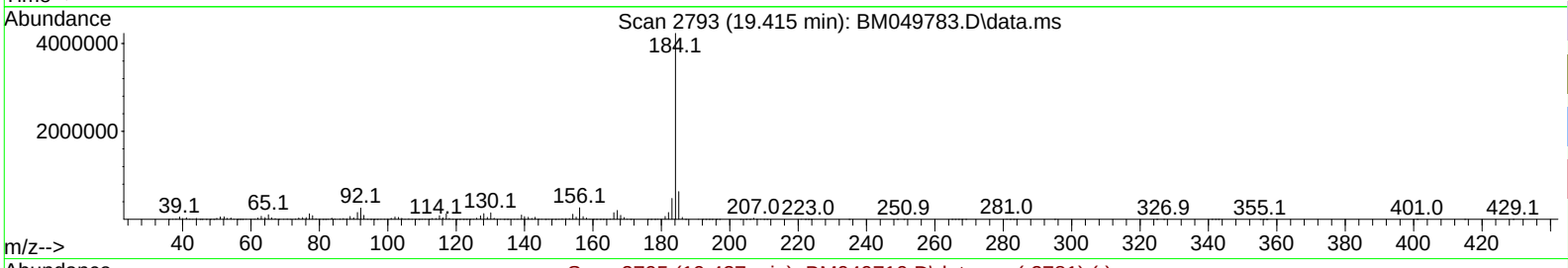
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.70	65.02
264.00	64.10	62.15
0.00	0.00	0.00

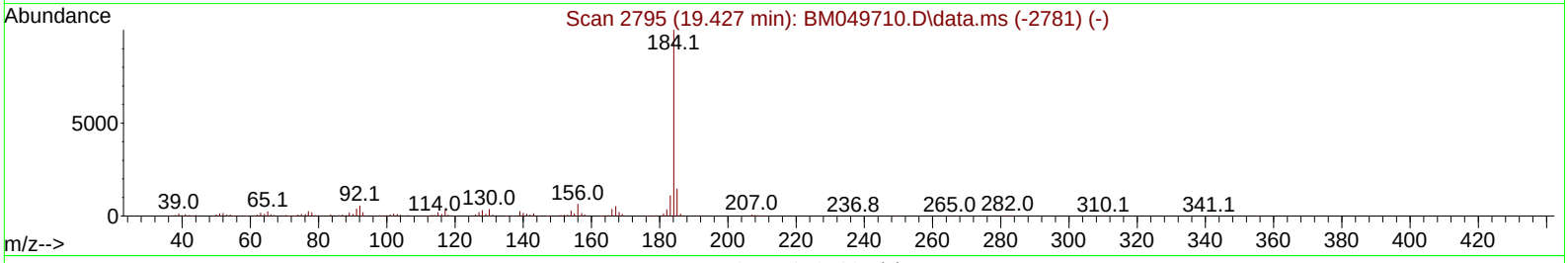
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049783.D
Acq On : 02 Apr 2025 09:29
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 02 11:48:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration







TIC: BM049783.D\data.ms

(77) Benzidine

19.415min (-0.012) 27579.90 ng

response 5011923

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.90
183.00	11.00	11.28
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/2/2025	BNA_M	BM049783.D
Compound Name	**Response**	**Retention Time**
DDT	3204234	20.656
DDD	23648	20.268
DDE	1983	19.709
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
25631	3229865	0.79

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

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	
Project:	RFP 905			Date Received:	
Client Sample ID:	PB167369BL			SDG No.:	Q1664
Lab Sample ID:	PB167369BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BF142176.D	1	03/28/25 09:40	03/31/25 12:52	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	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:	Weston Solutions, Inc.			Date Collected:	
Project:	RFP 905			Date Received:	
Client Sample ID:	PB167369BL			SDG No.:	Q1664
Lab Sample ID:	PB167369BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BF142176.D	1	03/28/25 09:40	03/31/25 12:52	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.7	U	86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	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:	Weston Solutions, Inc.			Date Collected:	
Project:	RFP 905			Date Received:	
Client Sample ID:	PB167369BL			SDG No.:	Q1664
Lab Sample ID:	PB167369BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BF142176.D	1	03/28/25 09:40	03/31/25 12:52	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	142		18 - 112	94%	SPK: 150
13127-88-3	Phenol-d6	136		15 - 107	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.2		18 - 107	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.1		20 - 109	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	170		10 - 116	113%	SPK: 150
1718-51-0	Terphenyl-d14	103		10 - 105	103%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	118000	6.863			
1146-65-2	Naphthalene-d8	472000	8.145			
15067-26-2	Acenaphthene-d10	278000	9.904			
1517-22-2	Phenanthrene-d10	535000	11.392			
1719-03-5	Chrysene-d12	378000	14.033			
1520-96-3	Perylene-d12	303000	15.51			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	93.6	J		2.19	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	A		5.10	ug/Kg
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	280	J		17.1	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	
Project:	RFP 905			Date Received:	
Client Sample ID:	PB167369BL			SDG No.:	Q1664
Lab Sample ID:	PB167369BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BF142176.D	1	03/28/25 09:40	03/31/25 12:52	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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_F\Data\BF033125\
Data File : BF142176.D
Acq On : 31 Mar 2025 12:52
Operator : RC/JU
Sample : PB167369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167369BL

Quant Time: Mar 31 13:28:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

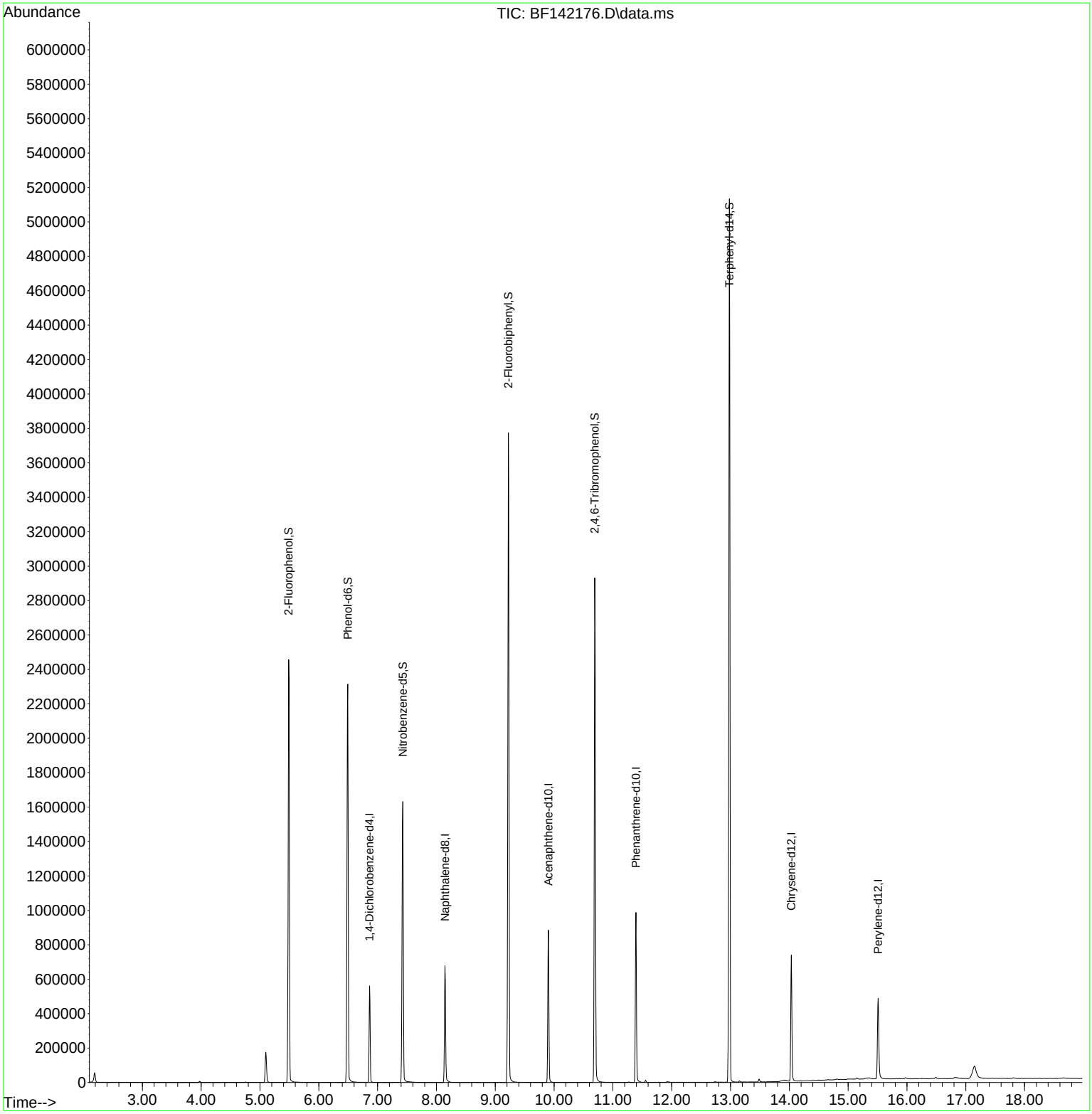
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	118498	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	472340	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	277856	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	534727	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	378101	20.000	ng	0.00
86) Perylene-d12	15.510	264	303471	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1005458	141.612	ng	0.00
7) Phenol-d6	6.493	99	1224924	135.500	ng	-0.01
23) Nitrobenzene-d5	7.428	82	807804	96.244	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	599926	170.193	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1755583	96.090	ng	-0.02
79) Terphenyl-d14	12.980	244	2623632	102.589	ng	0.00
Target Compounds						Qvalue

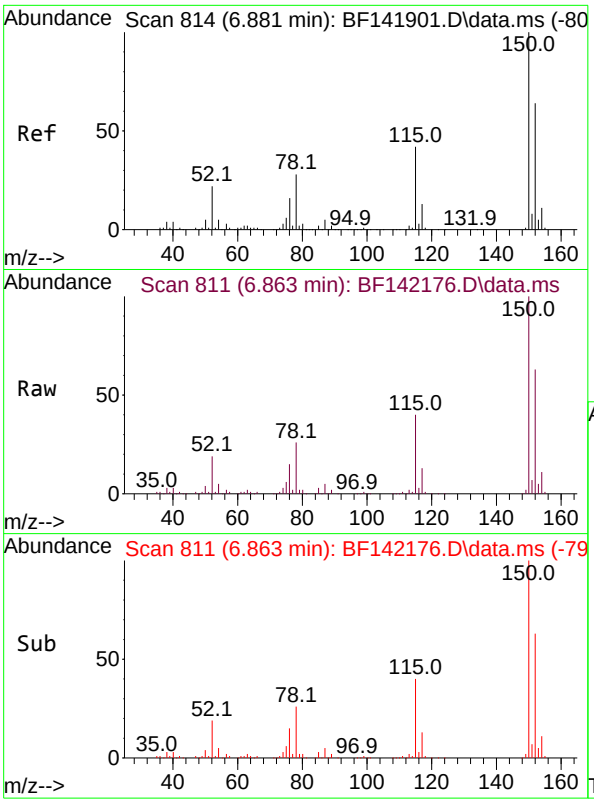
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142176.D
Acq On : 31 Mar 2025 12:52
Operator : RC/JU
Sample : PB167369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167369BL

Quant Time: Mar 31 13:28:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



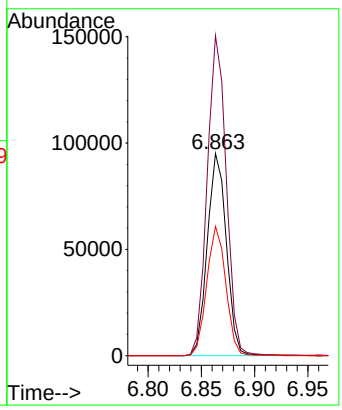


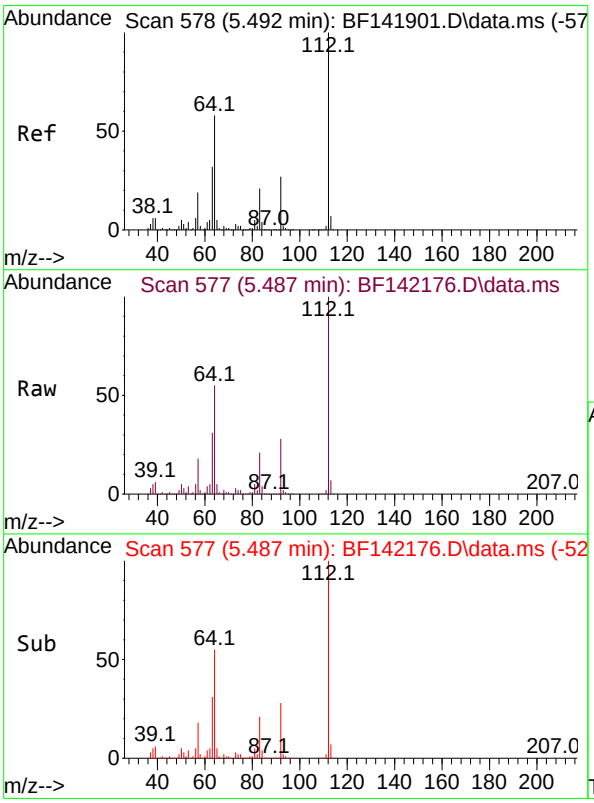
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Instrument :
BNA_F
ClientSampleId :
PB167369BL

Tgt Ion:152 Resp: 118498

Ion	Ratio	Lower	Upper
152	100		
150	158.3	127.4	191.2
115	64.0	51.9	77.9

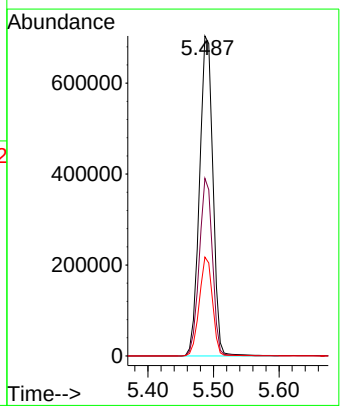


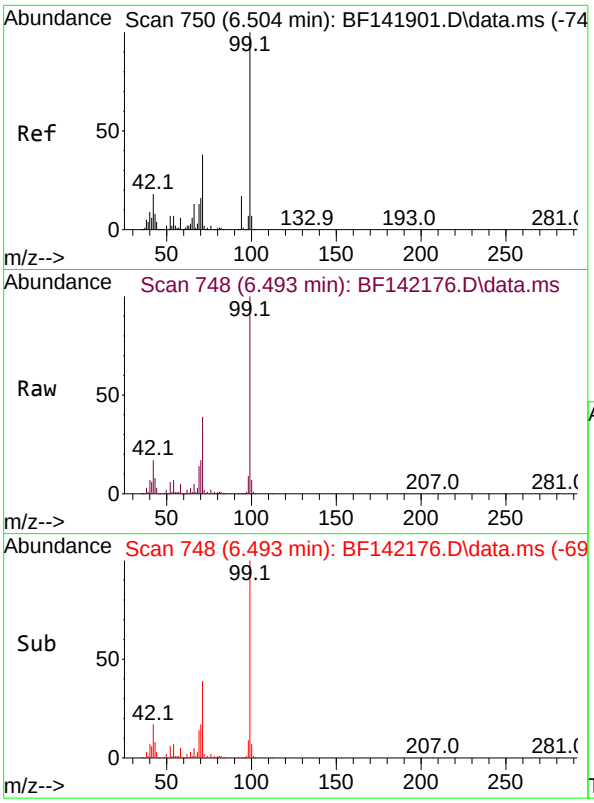


#5
2-Fluorophenol
Concen: 141.612 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Tgt Ion:112 Resp: 1005458

Ion	Ratio	Lower	Upper
112	100		
64	55.5	46.5	69.7
63	30.9	25.4	38.2



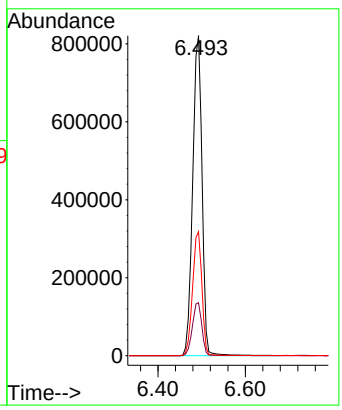


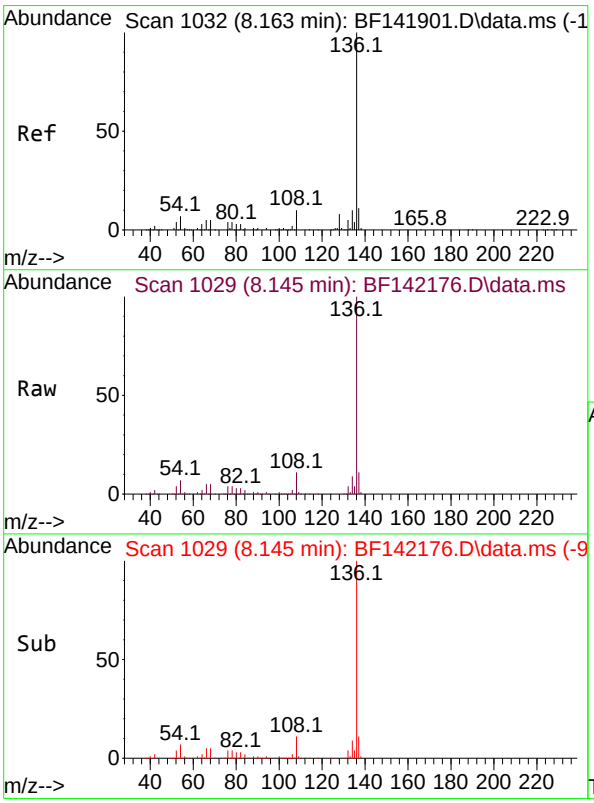
#7
Phenol-d6
Concen: 135.500 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Instrument :
BNA_F
ClientSampleId :
PB167369BL

Tgt Ion: 99 Resp: 1224924

Ion	Ratio	Lower	Upper
99	100		
42	16.6	14.6	21.8
71	38.8	30.8	46.2

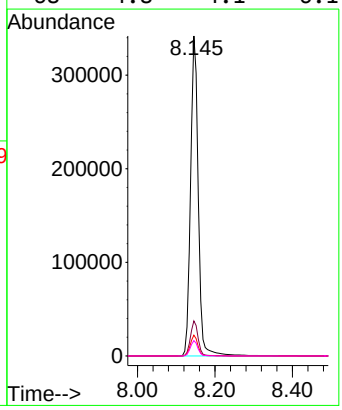


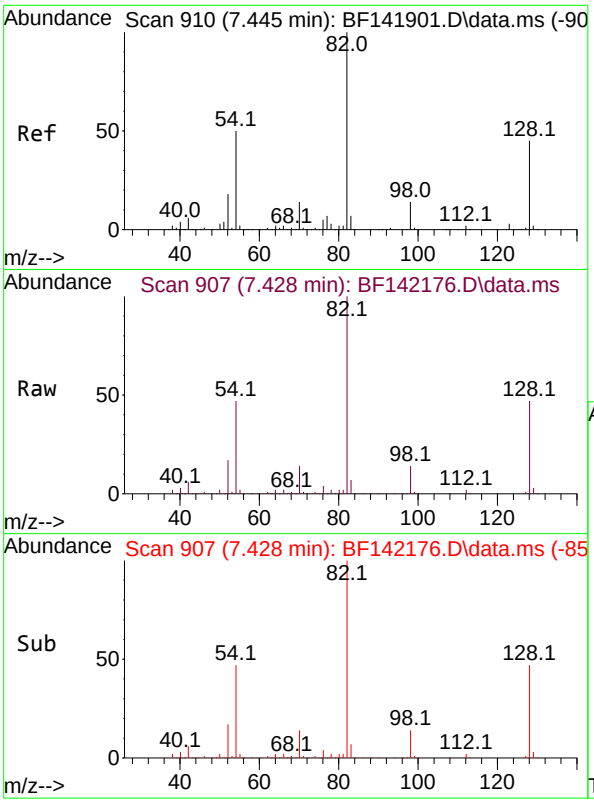


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Tgt Ion:136 Resp: 472340

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.5	5.8	8.8
68	4.8	4.1	6.1



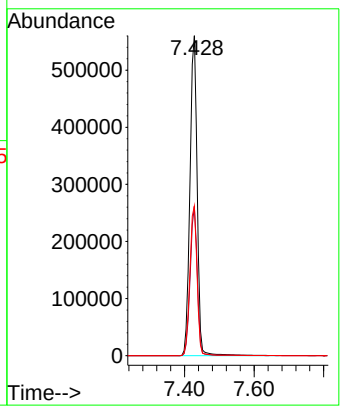


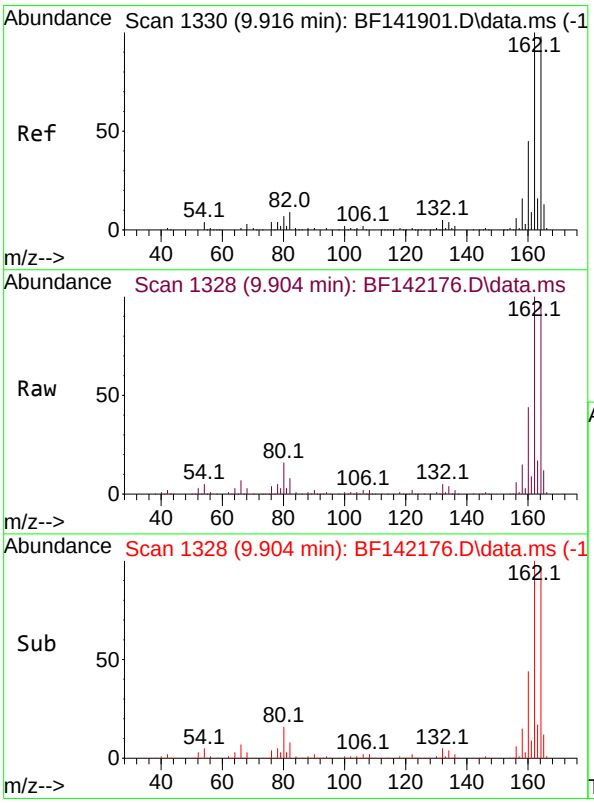
#23
Nitrobenzene-d5
Concen: 96.244 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Instrument :
BNA_F
ClientSampleId :
PB167369BL

Tgt Ion: 82 Resp: 807804

Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.0	54.0
54	46.8	39.6	59.4

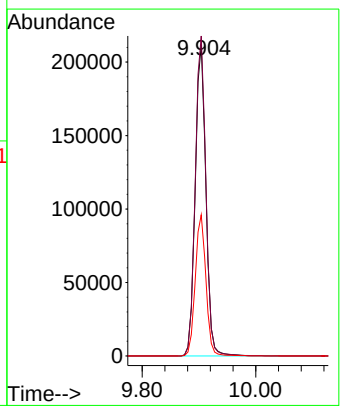


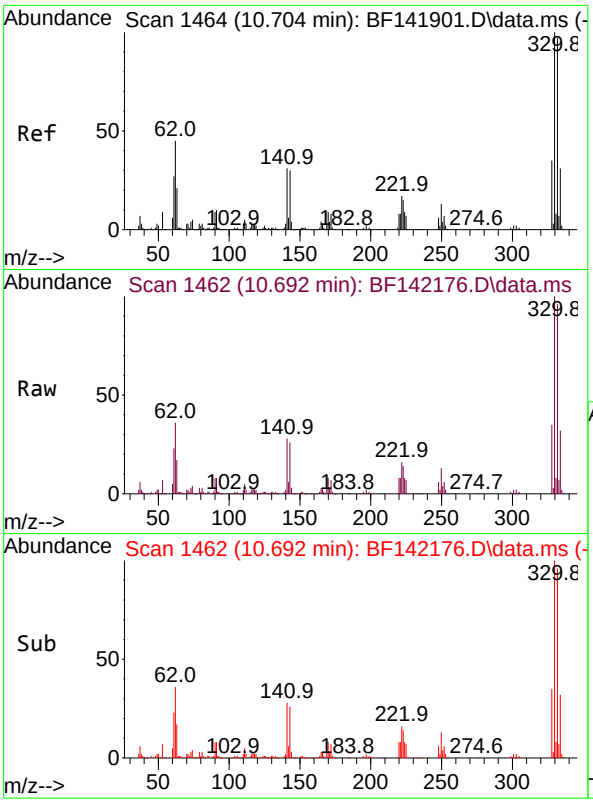


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Tgt Ion:164 Resp: 277856

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.8	122.6
160	45.3	36.7	55.1



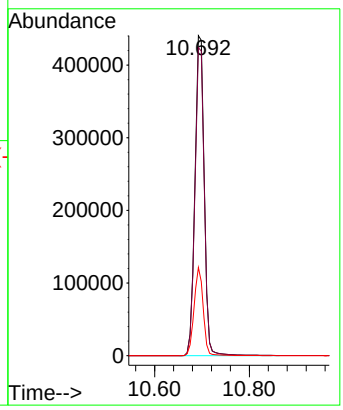


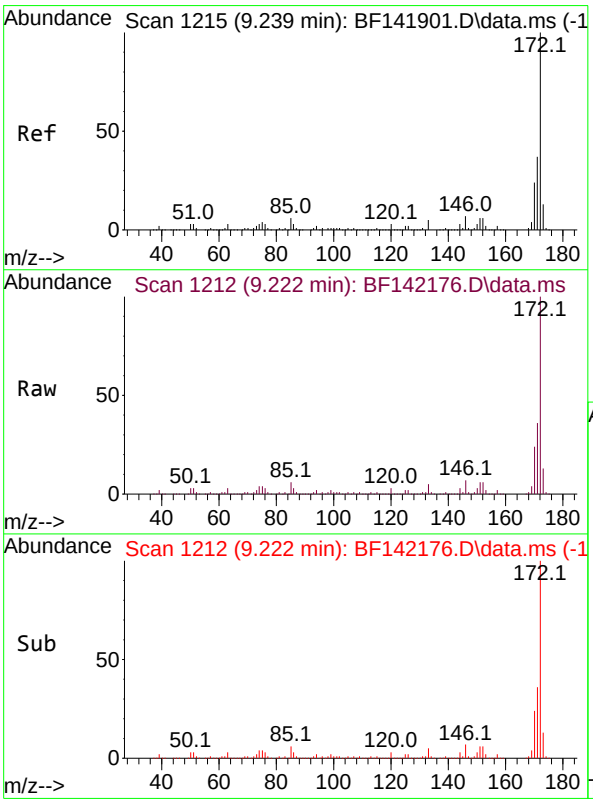
#42
2,4,6-Tribromophenol
Concen: 170.193 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Instrument :
BNA_F
ClientSampleId :
PB167369BL

Tgt Ion:330 Resp: 599926

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.6	116.4
141	27.0	24.7	37.1

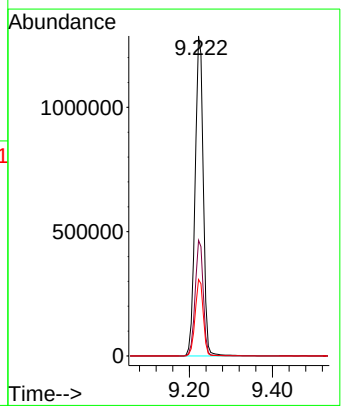


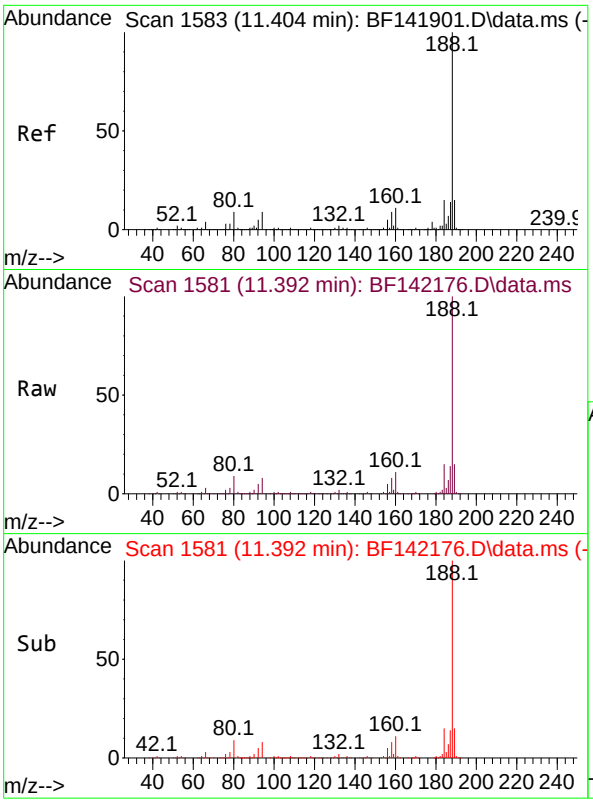


#45
2-Fluorobiphenyl
Concen: 96.090 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.017 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Tgt Ion:172 Resp: 1755583

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.3	43.9
170	23.9	19.4	29.0



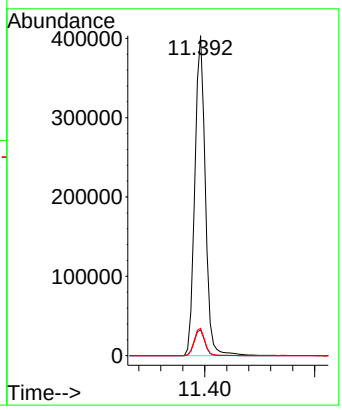


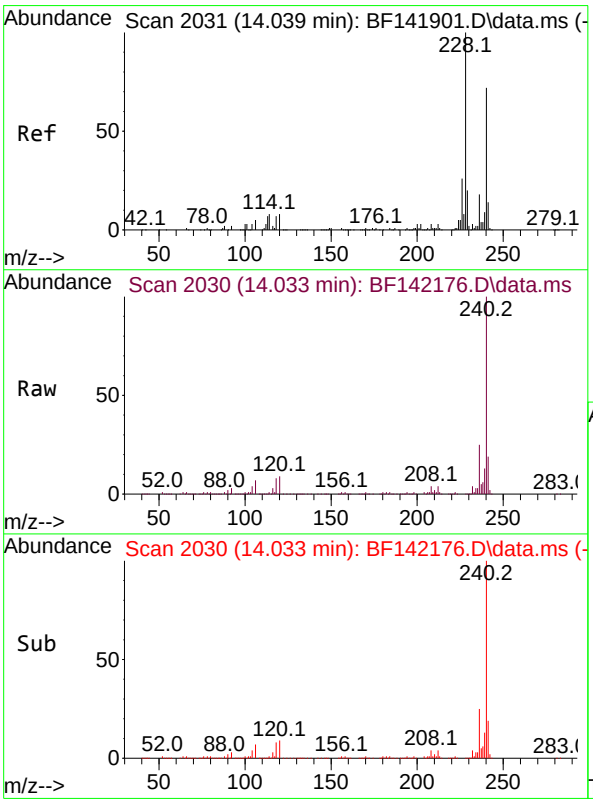
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Instrument :
BNA_F
ClientSampleId :
PB167369BL

Tgt Ion:188 Resp: 534727

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.8	10.2
80	8.6	7.6	11.4

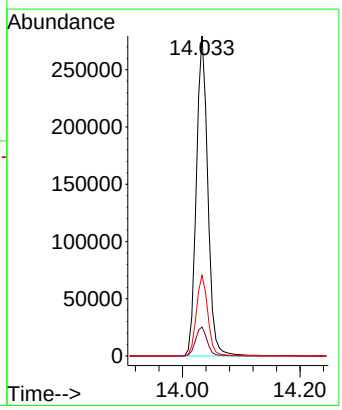


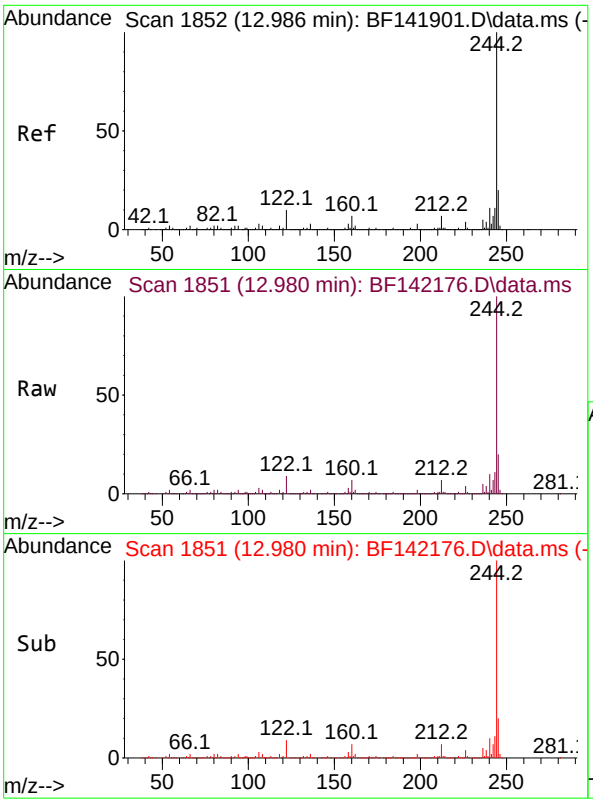


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Tgt Ion:240 Resp: 378101

Ion	Ratio	Lower	Upper
240	100		
120	9.1	8.4	12.6
236	25.2	20.5	30.7



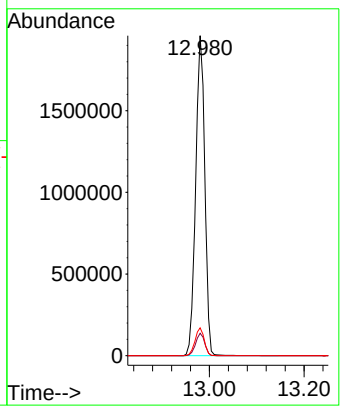


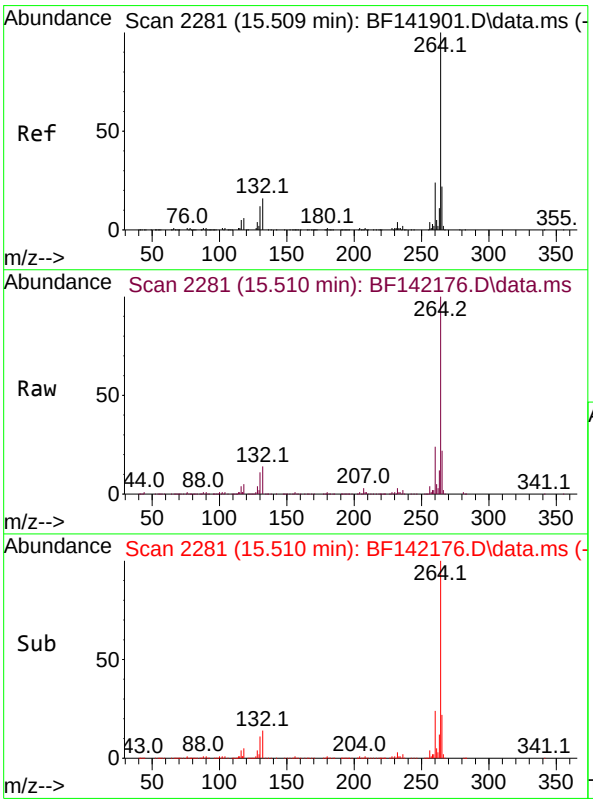
#79
Terphenyl-d14
Concen: 102.589 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Instrument :
BNA_F
ClientSampleId :
PB167369BL

Tgt Ion:244 Resp: 2623632

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	8.7	7.7	11.5

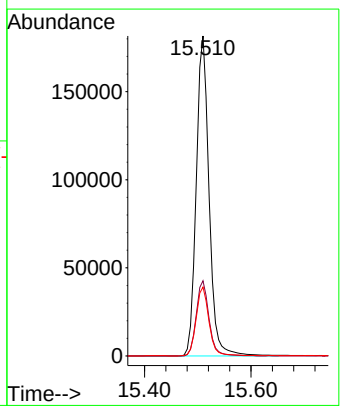




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142176.D
Acq: 31 Mar 2025 12:52

Tgt Ion:264 Resp: 303471

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	21.6	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142176.D
Acq On : 31 Mar 2025 12:52
Operator : RC/JU
Sample : PB167369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167369BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142176.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.187	6	16	26	rVB	53515	97648	1.43%	0.308%
2	5.099	505	511	527	rVB	175229	289769	4.24%	0.915%
3	5.487	571	577	595	rBV	2457091	3461224	50.60%	10.934%
4	6.493	741	748	753	rBV	2314494	3417256	49.96%	10.795%
5	6.863	806	811	826	rVB	561329	694094	10.15%	2.193%
6	7.428	900	907	936	rBV	1632122	2340124	34.21%	7.393%
7	8.145	1023	1029	1048	rBV	678829	927113	13.55%	2.929%
8	9.222	1206	1212	1233	rBV	3775513	5074184	74.18%	16.030%
9	9.904	1322	1328	1347	rBV	884954	1157308	16.92%	3.656%
10	10.692	1456	1462	1486	rBV	2931874	3939583	57.59%	12.445%
11	11.392	1575	1581	1601	rBV	988329	1303397	19.05%	4.118%
12	12.980	1845	1851	1856	rBV	5132048	6840415	100.00%	21.609%
13	14.033	2024	2030	2049	rBV	732543	983904	14.38%	3.108%
14	15.510	2274	2281	2300	rBV	469314	791507	11.57%	2.500%
15	17.145	2548	2559	2586	rVB2	71064	337251	4.93%	1.065%

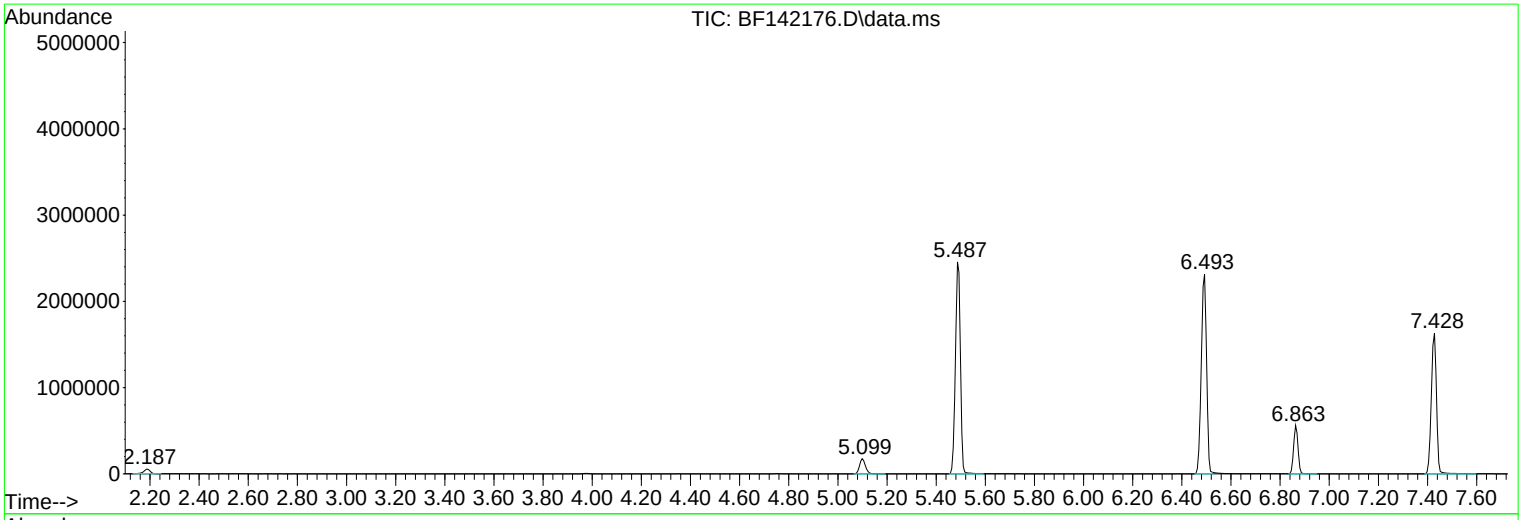
Sum of corrected areas: 31654777

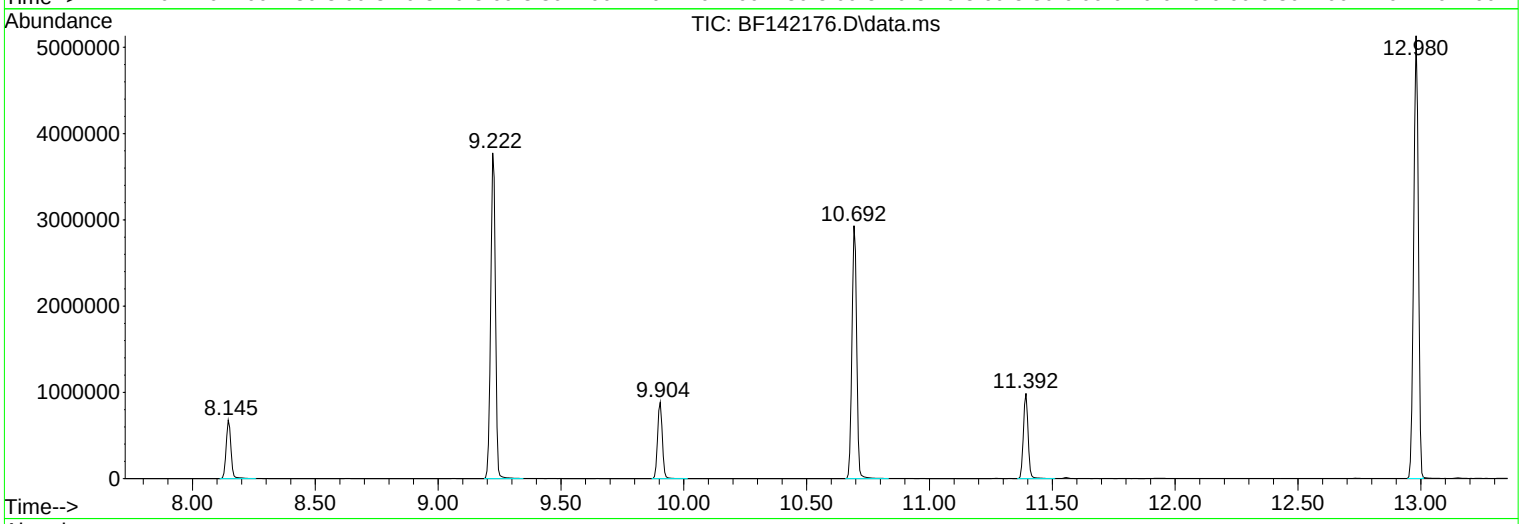
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142176.D
Acq On : 31 Mar 2025 12:52
Operator : RC/JU
Sample : PB167369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

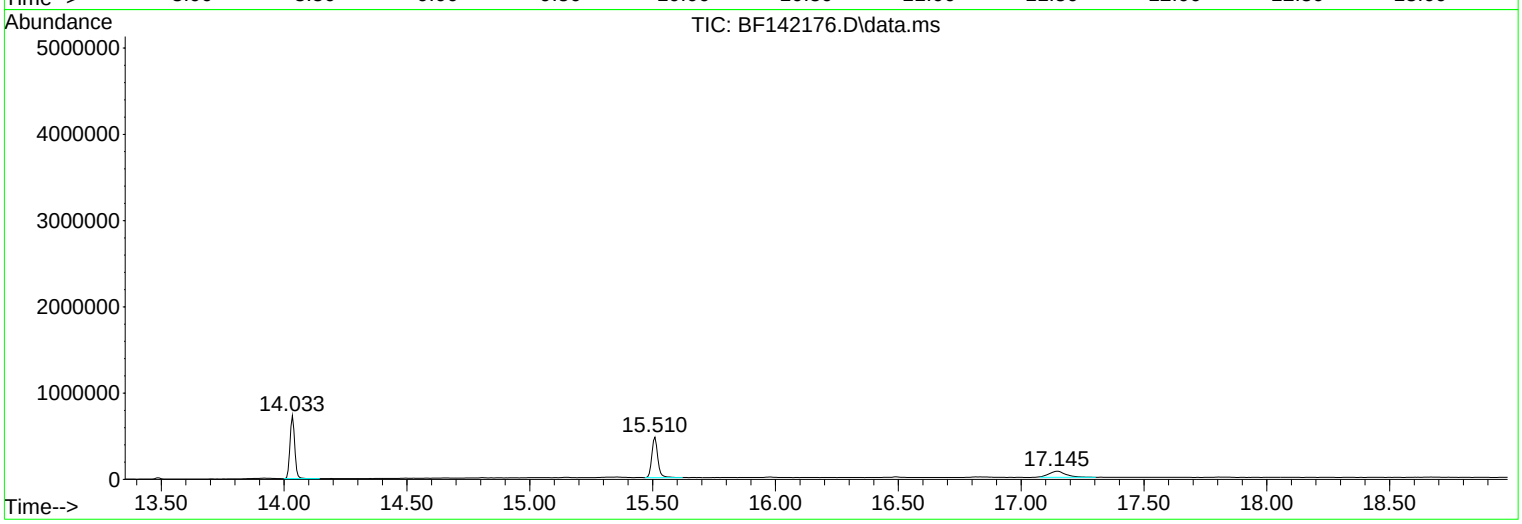
Instrument :
BNA_F
ClientSampleId :
PB167369BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142176.D
Acq On : 31 Mar 2025 12:52
Operator : RC/JU
Sample : PB167369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167369BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

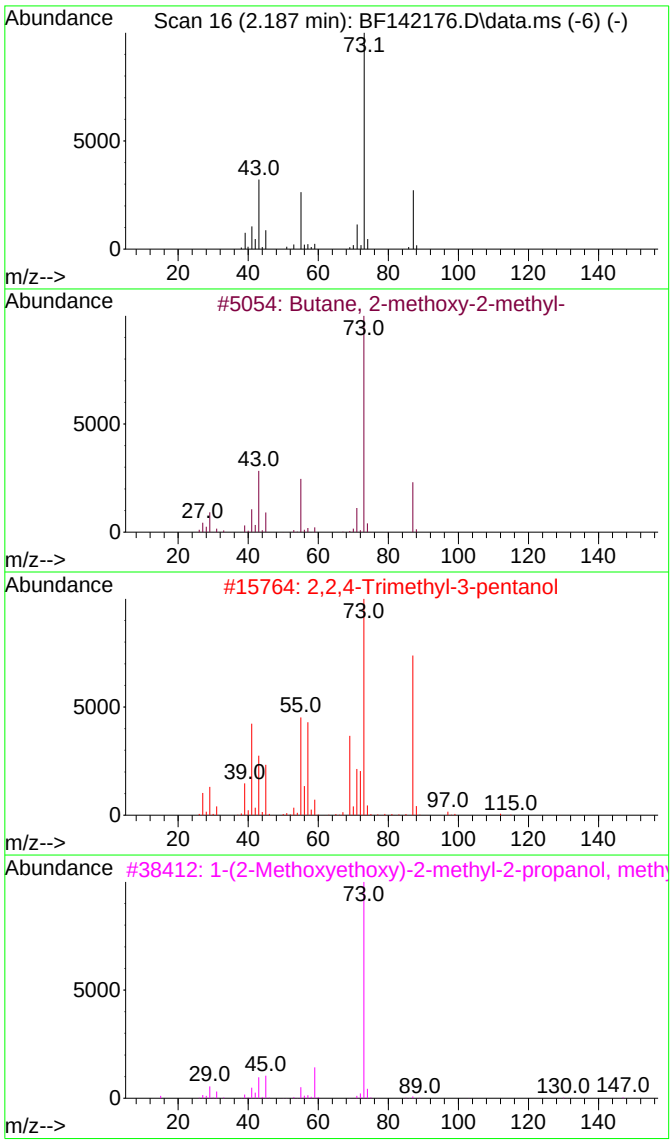
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

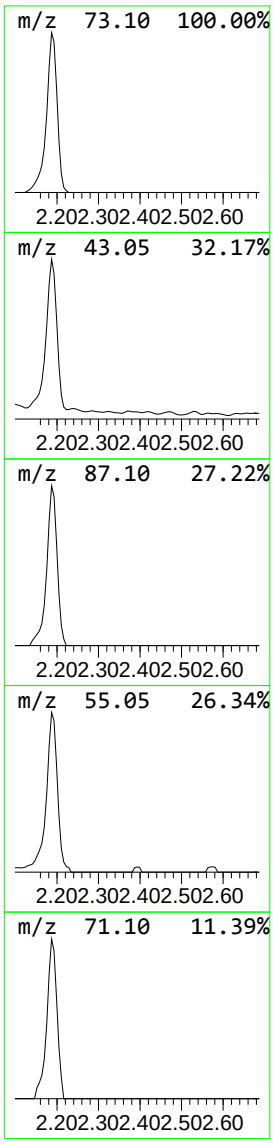
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.187	2.81 ng	97648	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	25
4	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142176.D
Acq On : 31 Mar 2025 12:52
Operator : RC/JU
Sample : PB167369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167369BL

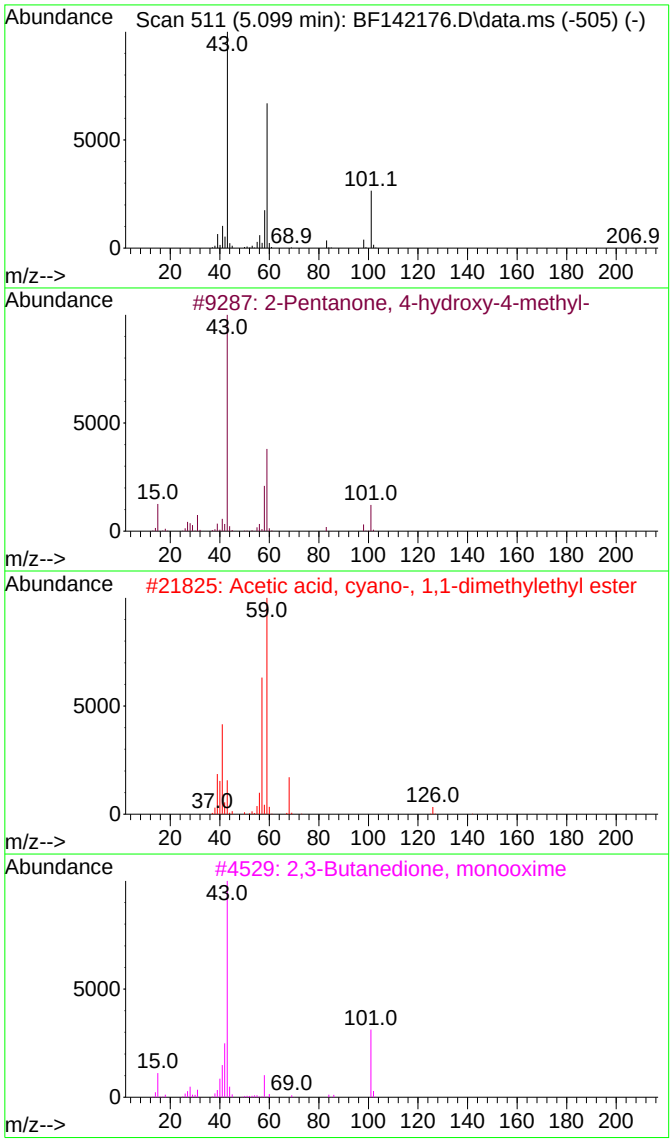
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

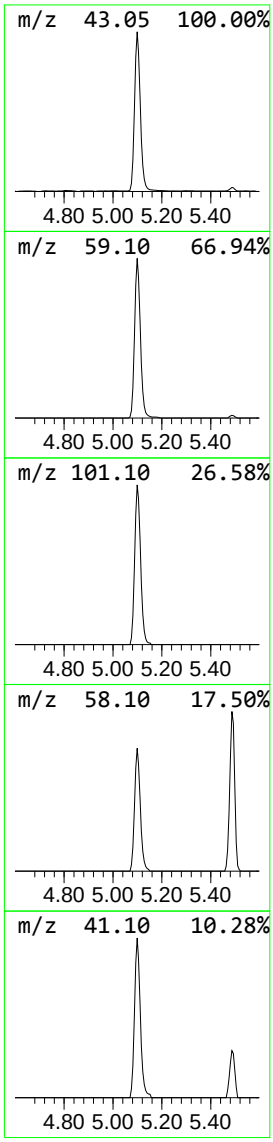
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.099	8.35 ng	289769	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Acetamide, N-(cyanomethyl)-	98	C4H6N2O	004814-80-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142176.D
Acq On : 31 Mar 2025 12:52
Operator : RC/JU
Sample : PB167369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167369BL

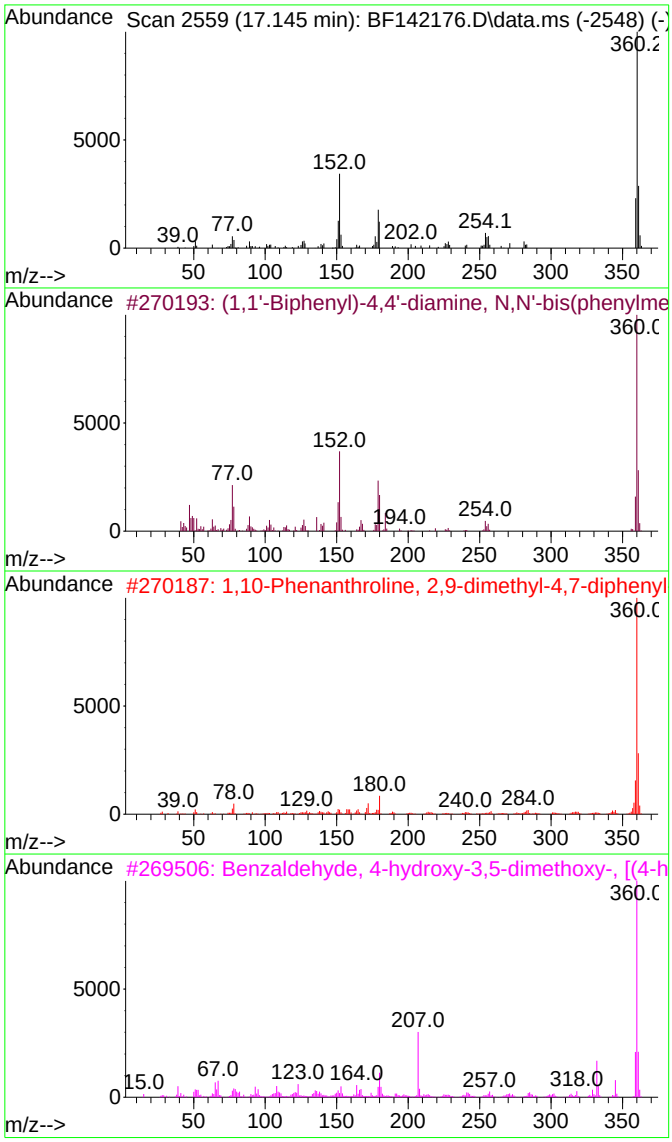
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

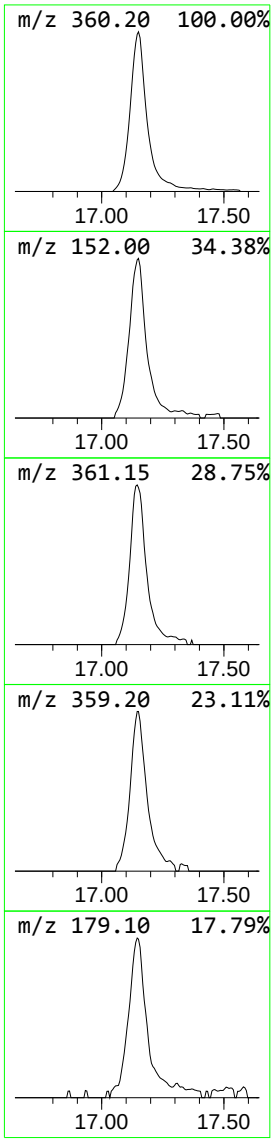
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.145	8.52 ng	337251	Perylene-d12	15.510

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	93
2	1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	68
3	Benzaldehyde, 4-hydroxy-3,5-dime...	360	C18H20N2O6	014414-32-5	58
4	Androst-4-ene-3,17-dione, 12-hyd...	360	C21H32N2O3	069688-31-9	53
5	N,N'-di-2-Naphthyl-p-phenylenedi...	360	C26H20N2	000093-46-9	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142176.D
Acq On : 31 Mar 2025 12:52
Operator : RC/JU
Sample : PB167369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167369BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.187	2.8	ng	97648	1	6.863	694094	20.0
2-Pentanone, 4-...	5.099	8.3	ng	289769	1	6.863	694094	20.0
(1,1'-Biphenyl)...	17.145	8.5	ng	337251	6	15.510	791507	20.0

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

Report of Analysis

Client:	Weston Solutions, Inc.			Date Collected:	
Project:	RFP 905			Date Received:	
Client Sample ID:	PB167369BS			SDG No.:	Q1664
Lab Sample ID:	PB167369BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BF142177.D	1	03/28/25 09:40	03/31/25 13:22	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1600		160	330	ug/Kg
108-95-2	Phenol	1600		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1700		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1700		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1600		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1700		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1700		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1600		18.3	170	ug/Kg
78-59-1	Isophorone	1700		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1800		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2200		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		28.3	170	ug/Kg
91-20-3	Naphthalene	1600		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	320		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1800		25.3	170	ug/Kg
105-60-2	Caprolactam	1700		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6100	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1700		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1700		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1700		27.1	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:	Weston Solutions, Inc.			Date Collected:	
Project:	RFP 905			Date Received:	
Client Sample ID:	PB167369BS			SDG No.:	Q1664
Lab Sample ID:	PB167369BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BF142177.D	1	03/28/25 09:40	03/31/25 13:22	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	480		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3600	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3500	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1600		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1700		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		26.7	170	ug/Kg
86-73-7	Fluorene	1700		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1700		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1800		25.3	170	ug/Kg
1912-24-9	Atrazine	2100		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3500	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1700		20.9	170	ug/Kg
120-12-7	Anthracene	1800		33.3	170	ug/Kg
86-74-8	Carbazole	1700		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		47.9	170	ug/Kg
206-44-0	Fluoranthene	1700		30.0	170	ug/Kg
129-00-0	Pyrene	1800		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	J	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1800		23.0	170	ug/Kg
218-01-9	Chrysene	1800		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	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:	Weston Solutions, Inc.			Date Collected:	
Project:	RFP 905			Date Received:	
Client Sample ID:	PB167369BS			SDG No.:	Q1664
Lab Sample ID:	PB167369BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BF142177.D	1	03/28/25 09:40	03/31/25 13:22	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1400		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	143		18 - 112	96%	SPK: 150
13127-88-3	Phenol-d6	138		15 - 107	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.1		18 - 107	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.9		20 - 109	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	173		10 - 116	115%	SPK: 150
1718-51-0	Terphenyl-d14	112	*	10 - 105	112%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	121000	6.869			
1146-65-2	Naphthalene-d8	484000	8.151			
15067-26-2	Acenaphthene-d10	286000	9.904			
1517-22-2	Phenanthrene-d10	518000	11.392			
1719-03-5	Chrysene-d12	320000	14.039			
1520-96-3	Perylene-d12	348000	15.509			

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_F\Data\BF033125\
Data File : BF142177.D
Acq On : 31 Mar 2025 13:22
Operator : RC/JU
Sample : PB167369BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:49:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	120659	20.000	ng		-0.01
21) Naphthalene-d8	8.151	136	484067	20.000	ng		-0.01
39) Acenaphthene-d10	9.904	164	285734	20.000	ng		-0.01
64) Phenanthrene-d10	11.392	188	517636	20.000	ng		-0.01
76) Chrysene-d12	14.039	240	319787	20.000	ng		0.00
86) Perylene-d12	15.509	264	347760	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	1036795	143.410	ng		0.00
7) Phenol-d6	6.498	99	1271824	138.169	ng		0.00
23) Nitrobenzene-d5	7.428	82	834922	97.065	ng		-0.02
42) 2,4,6-Tribromophenol	10.698	330	627855	173.206	ng		0.00
45) 2-Fluorobiphenyl	9.227	172	1857788	98.880	ng		-0.01
79) Terphenyl-d14	12.980	244	2425298	112.127	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.704	88	126082	41.622	ng		96
3) Pyridine	3.463	79	339519	45.693	ng		96
4) n-Nitrosodimethylamine	3.410	42	159631	45.068	ng		93
6) Aniline	6.528	93	246191	27.112	ng	#	89
8) 2-Chlorophenol	6.651	128	421298	52.543	ng		97
9) Benzaldehyde	6.416	77	253399	49.222	ng		99
10) Phenol	6.510	94	476524	49.208	ng		98
11) bis(2-Chloroethyl)ether	6.604	93	356801	49.069	ng		96
12) 1,3-Dichlorobenzene	6.810	146	446871	51.623	ng		98
13) 1,4-Dichlorobenzene	6.886	146	452389	51.651	ng		99
14) 1,2-Dichlorobenzene	7.033	146	432910	52.476	ng		99
15) Benzyl Alcohol	7.004	79	362663	48.734	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	380763	43.374	ng		95
17) 2-Methylphenol	7.116	107	326040	51.141	ng		99
18) Hexachloroethane	7.380	117	165135	50.279	ng		93
19) n-Nitroso-di-n-propyla...	7.281	70	272051	45.996	ng		99
20) 3+4-Methylphenols	7.269	107	414507	50.761	ng	#	87
22) Acetophenone	7.275	105	553030	47.707	ng		96
24) Nitrobenzene	7.451	77	414348	48.456	ng		97
25) Isophorone	7.686	82	775507	51.004	ng		100
26) 2-Nitrophenol	7.763	139	227763	54.270	ng		98
27) 2,4-Dimethylphenol	7.798	122	389738	67.441	ng		99
28) bis(2-Chloroethoxy)met...	7.898	93	464694	48.727	ng		99
29) 2,4-Dichlorophenol	8.004	162	369700	51.540	ng		99
30) 1,2,4-Trichlorobenzene	8.092	180	409755	51.836	ng		98
31) Naphthalene	8.169	128	1202192	48.347	ng		100
32) Benzoic acid	7.922	122	268561m	52.868	ng		
33) 4-Chloroaniline	8.222	127	85644	9.757	ng		98
34) Hexachlorobutadiene	8.286	225	272000	52.763	ng		100
35) Caprolactam	8.592	113	113738m	52.009	ng		
36) 4-Chloro-3-methylphenol	8.704	107	409653	51.197	ng		97
37) 2-Methylnaphthalene	8.863	142	754830	45.416	ng		100
38) 1-Methylnaphthalene	8.963	142	790773	49.304	ng		99
40) 1,2,4,5-Tetrachloroben...	9.027	216	444807	51.130	ng		98
41) Hexachlorocyclopentadiene	9.016	237	622980	182.981	ng		99
43) 2,4,6-Trichlorophenol	9.139	196	298031	52.420	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142177.D
Acq On : 31 Mar 2025 13:22
Operator : RC/JU
Sample : PB167369BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 31 13:49:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	307687	53.434	ng		99
46) 1,1'-Biphenyl	9.327	154	1076545	49.586	ng		99
47) 2-Chloronaphthalene	9.351	162	825118	50.990	ng		98
48) 2-Nitroaniline	9.451	65	227855	48.632	ng		95
49) Acenaphthylene	9.769	152	1301383	54.194	ng		100
50) Dimethylphthalate	9.627	163	1024272	51.190	ng		100
51) 2,6-Dinitrotoluene	9.692	165	223399	53.623	ng		92
52) Acenaphthene	9.939	154	829966	49.182	ng		100
53) 3-Nitroaniline	9.857	138	60833	14.395	ng		97
54) 2,4-Dinitrophenol	9.969	184	263709	108.826	ng	#	45
55) Dibenzofuran	10.116	168	1182589	49.044	ng		98
56) 4-Nitrophenol	10.027	139	336591	105.616	ng		95
57) 2,4-Dinitrotoluene	10.098	165	314970	57.884	ng		98
58) Fluorene	10.457	166	960135	51.633	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	282918	53.994	ng		96
60) Diethylphthalate	10.327	149	1023786	51.313	ng		100
61) 4-Chlorophenyl-phenyle...	10.445	204	511854	52.797	ng		98
62) 4-Nitroaniline	10.474	138	206720	50.245	ng		98
63) Azobenzene	10.610	77	878646	47.368	ng		96
65) 4,6-Dinitro-2-methylph...	10.504	198	183397	59.432	ng		97
66) n-Nitrosodiphenylamine	10.569	169	841785	50.253	ng		100
67) 4-Bromophenyl-phenylether	10.939	248	340379	52.359	ng		96
68) Hexachlorobenzene	11.004	284	390998	54.838	ng		95
69) Atrazine	11.092	200	323666	63.029	ng		99
70) Pentachlorophenol	11.198	266	455852	103.768	ng		100
71) Phenanthrene	11.421	178	1445434	51.698	ng		99
72) Anthracene	11.474	178	1476065	52.622	ng		100
73) Carbazole	11.627	167	1224318	50.610	ng		100
74) Di-n-butylphthalate	11.951	149	1611821	50.215	ng		100
75) Fluoranthene	12.610	202	1509227	50.887	ng		99
77) Benzidine	12.727	184	383514	85.958	ng		100
78) Pyrene	12.839	202	1509100	54.555	ng		100
80) Butylbenzylphthalate	13.451	149	547547	50.573	ng		99
81) Benzo(a)anthracene	14.027	228	1118309	53.292	ng		100
82) 3,3'-Dichlorobenzidine	13.986	252	58588	9.661	ng		99
83) Chrysene	14.062	228	1007817	52.982	ng		100
84) Bis(2-ethylhexyl)phtha...	14.009	149	720391	48.258	ng		98
85) Di-n-octyl phthalate	14.627	149	1085911	52.280	ng		97
87) Indeno(1,2,3-cd)pyrene	17.009	276	1167687	51.906	ng		97
88) Benzo(b)fluoranthene	15.080	252	1139652	47.816	ng		99
89) Benzo(k)fluoranthene	15.109	252	895900	43.924	ng		100
90) Benzo(a)pyrene	15.451	252	1058724	56.770	ng		100
91) Dibenzo(a,h)anthracene	17.027	278	952603	51.323	ng		99
92) Benzo(g,h,i)perylene	17.462	276	918852	50.095	ng		98

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

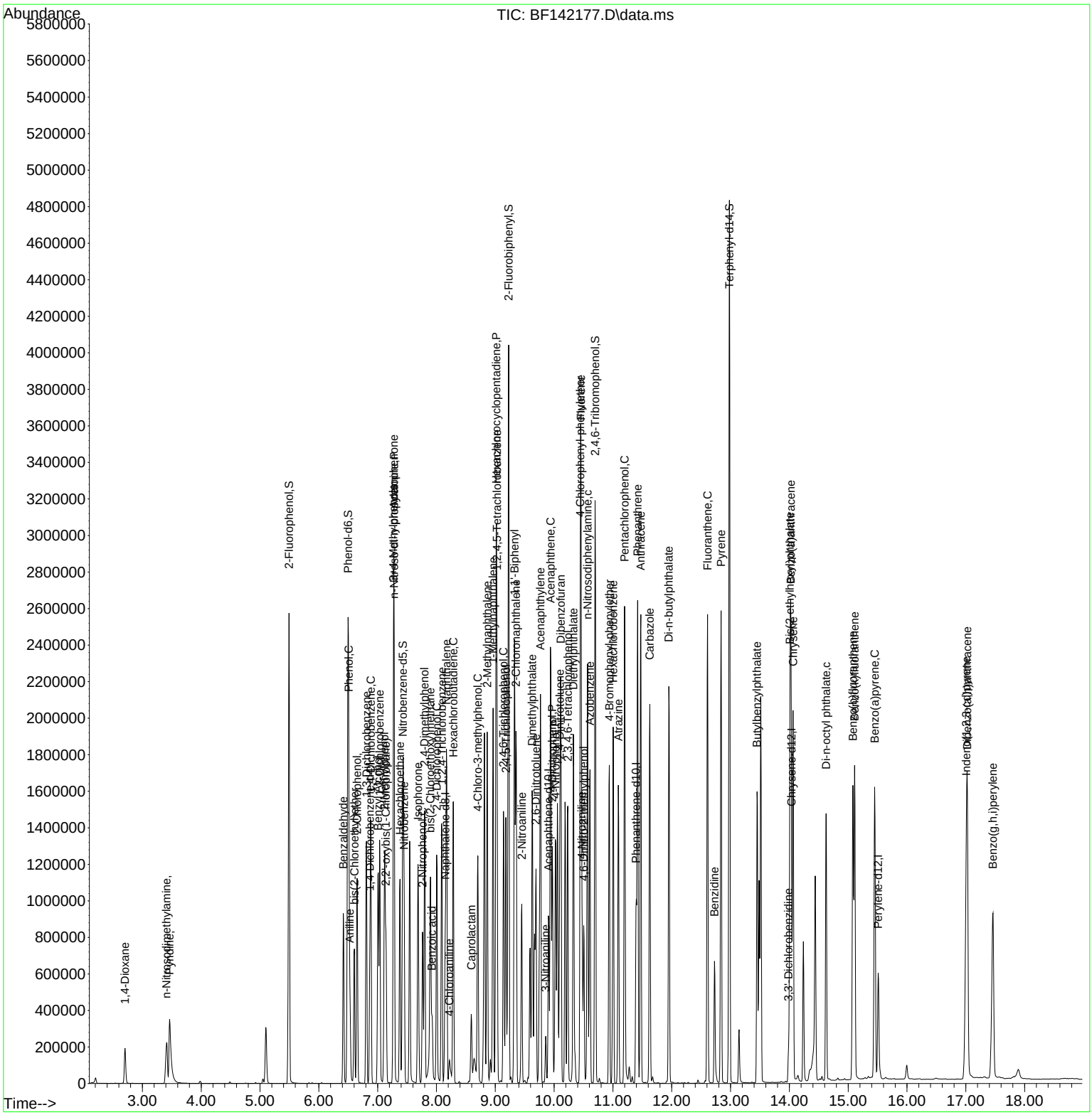
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142177.D
Acq On : 31 Mar 2025 13:22
Operator : RC/JU
Sample : PB167369BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

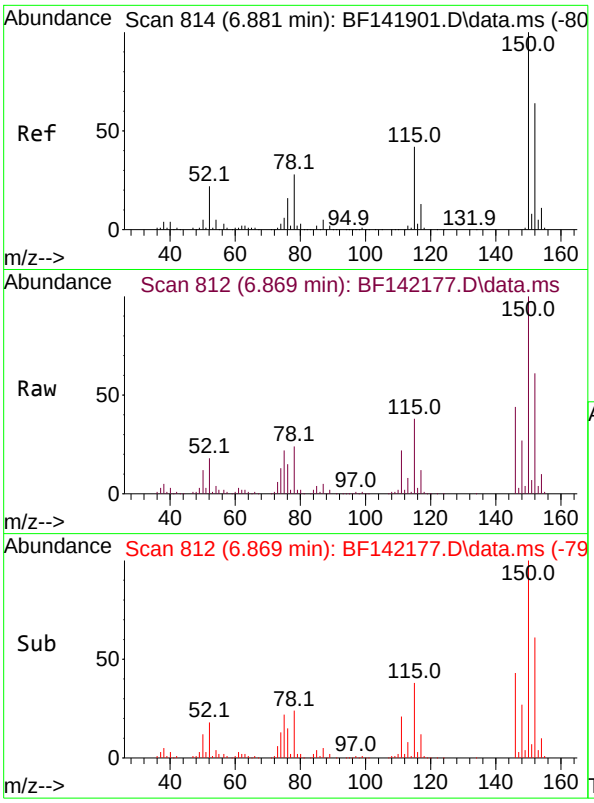
Quant Time: Mar 31 13:49:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

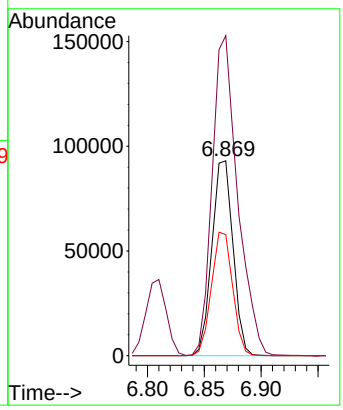




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:152 Resp: 12065

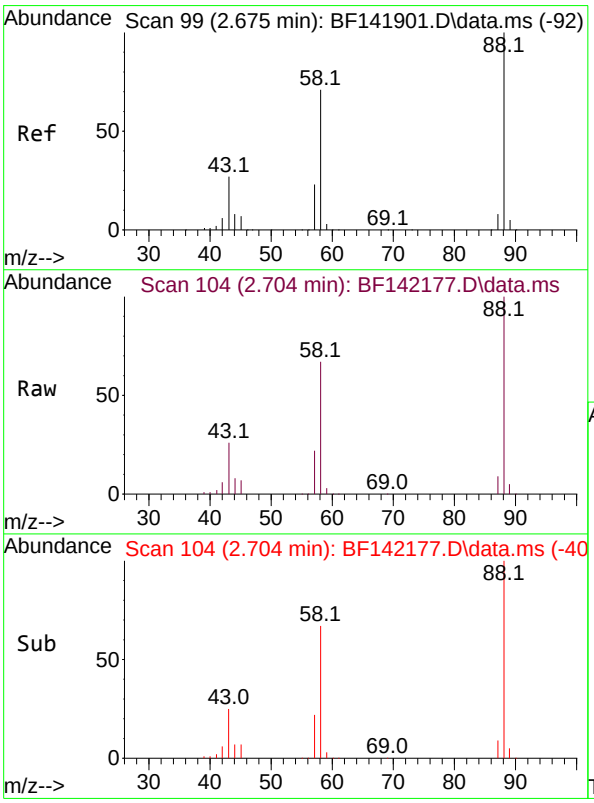
Ion	Ratio	Lower	Upper
152	100		
150	164.2	127.4	191.2
115	62.1	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

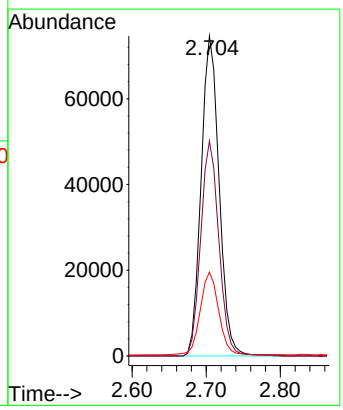
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

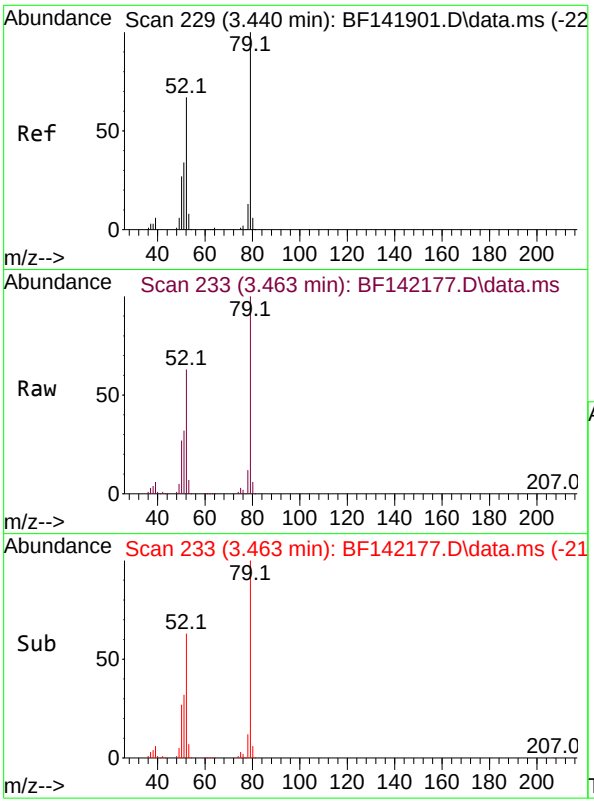


#2
1,4-Dioxane
Concen: 41.622 ng
RT: 2.704 min Scan# 104
Delta R.T. 0.029 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 88 Resp: 126082

Ion	Ratio	Lower	Upper
88	100		
58	67.7	57.4	86.2
43	26.7	21.5	32.3

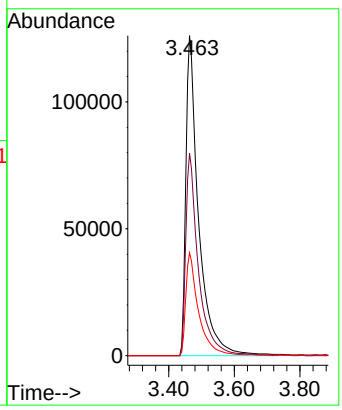




#3
Pyridine
Concen: 45.693 ng
RT: 3.463 min Scan# 2
Delta R.T. 0.023 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 79 Resp: 33951

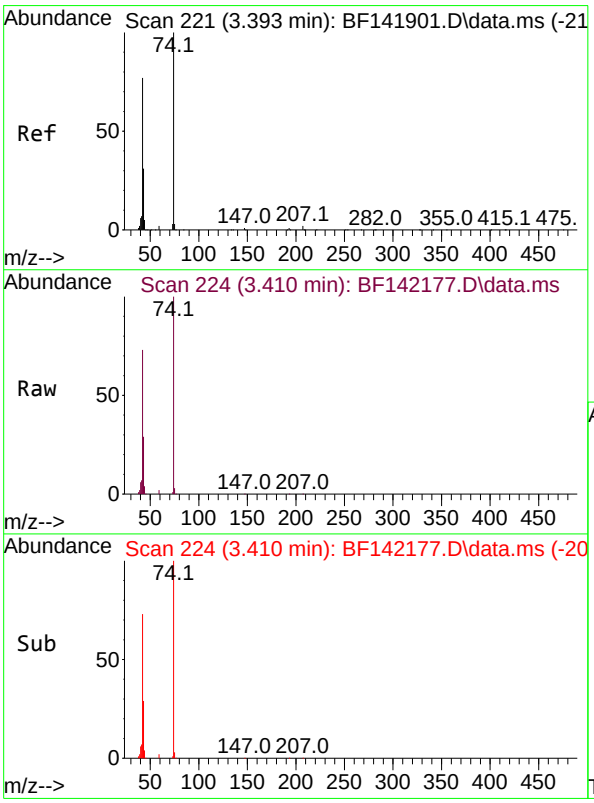
Ion	Ratio	Lower	Upper
79	100		
52	63.3	53.3	79.9
51	32.1	27.6	41.4



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

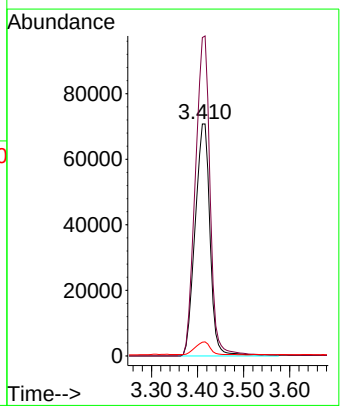
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

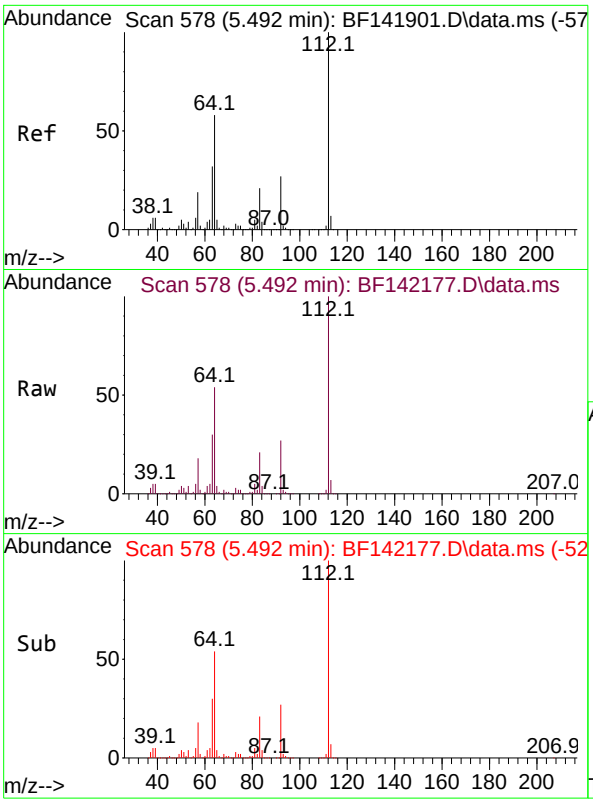


#4
n-Nitrosodimethylamine
Concen: 45.068 ng
RT: 3.410 min Scan# 224
Delta R.T. 0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 42 Resp: 159631

Ion	Ratio	Lower	Upper
42	100		
74	137.2	103.4	155.0
44	5.9	5.0	7.4





#5
2-Fluorophenol
Concen: 143.410 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

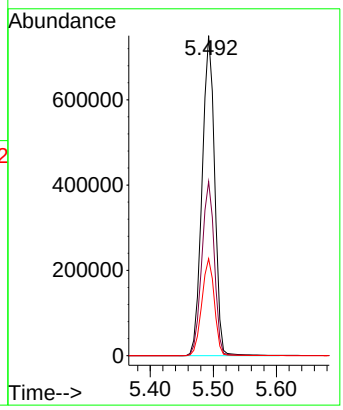
Tgt Ion:112 Resp: 103679

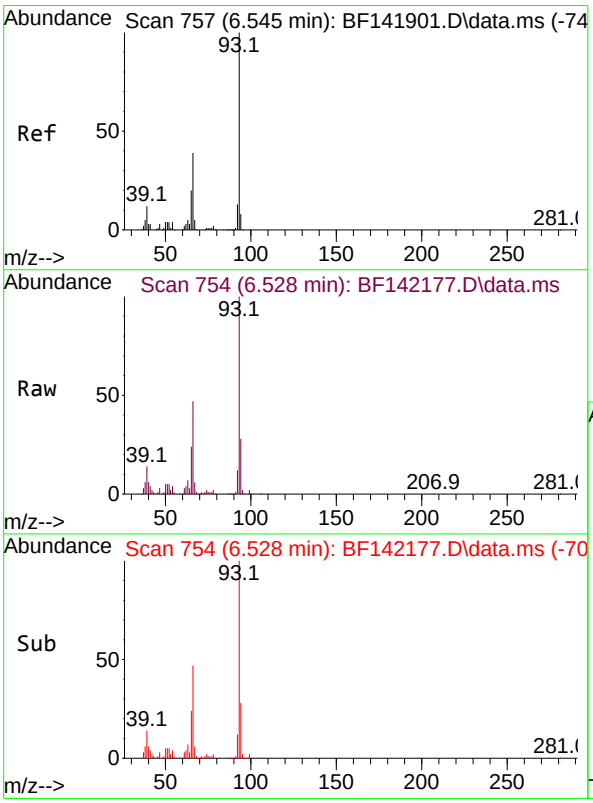
Ion	Ratio	Lower	Upper
112	100		
64	54.4	46.5	69.7
63	30.3	25.4	38.2

Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

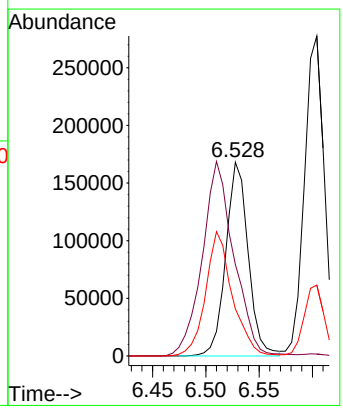


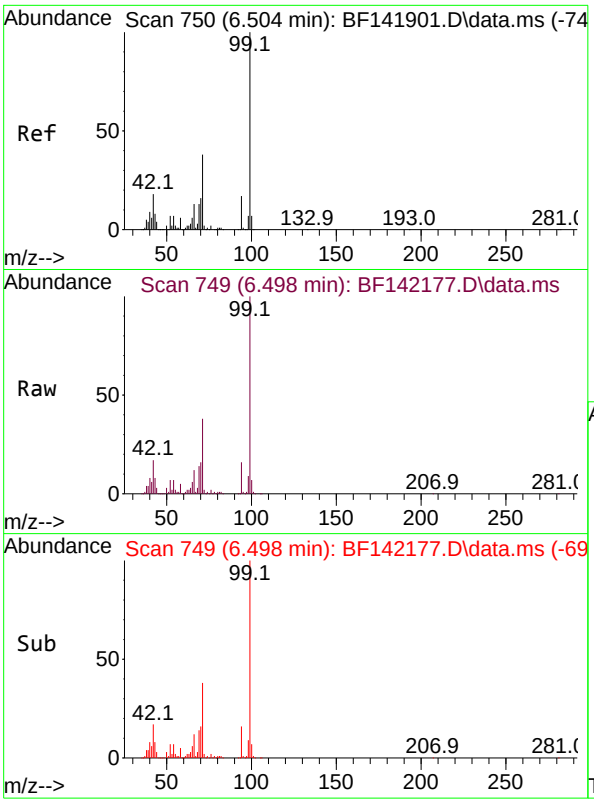


#6
Aniline
Concen: 27.112 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 93 Resp: 246191

Ion	Ratio	Lower	Upper
93	100		
66	47.2	31.9	47.9
65	24.2	15.8	23.6#

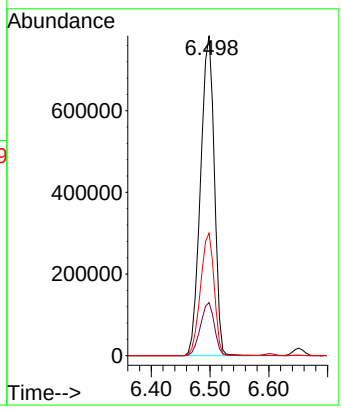




#7
Phenol-d6
Concen: 138.169 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 99 Resp: 127182

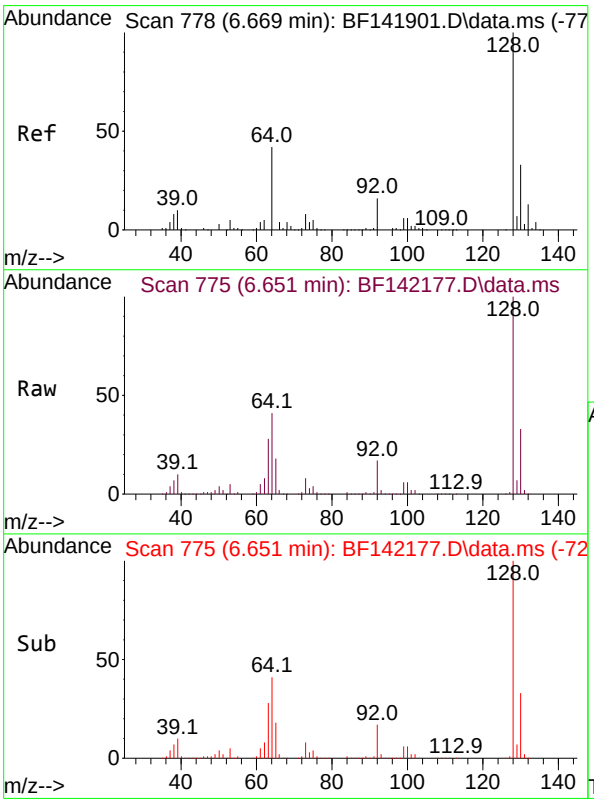
Ion	Ratio	Lower	Upper
99	100		
42	16.6	14.6	21.8
71	38.3	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

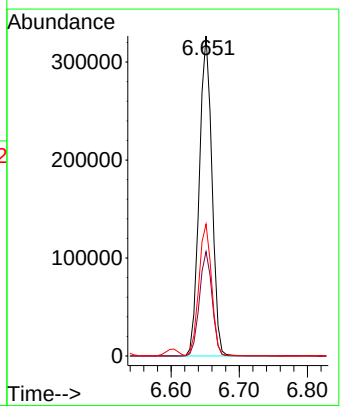
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

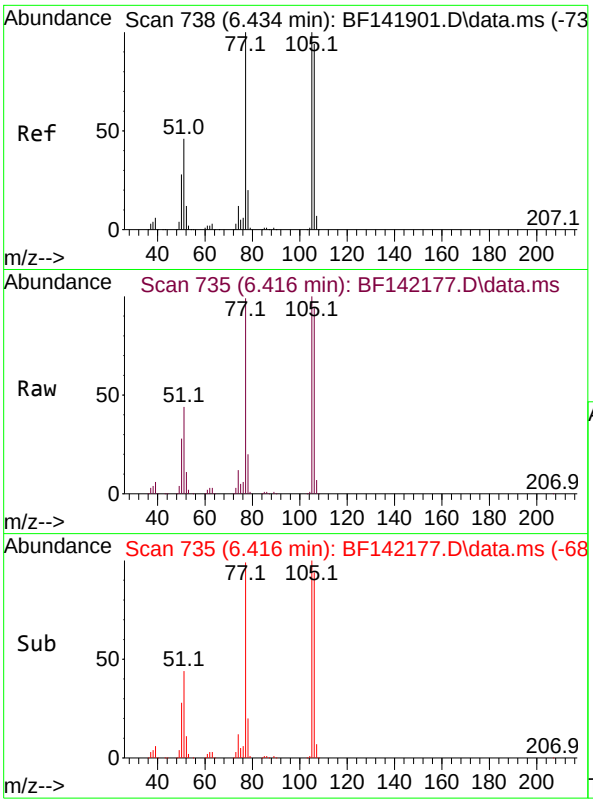


#8
2-Chlorophenol
Concen: 52.543 ng
RT: 6.651 min Scan# 775
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:128 Resp: 421298

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.8	52.8
64	41.2	24.4	64.4

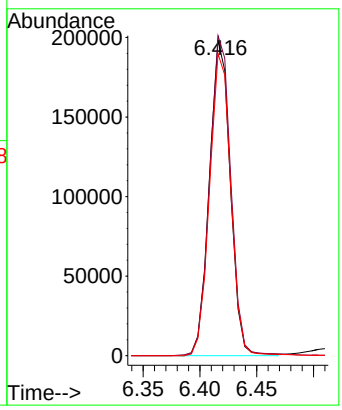




#9
Benzaldehyde
Concen: 49.222 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 77 Resp: 25339

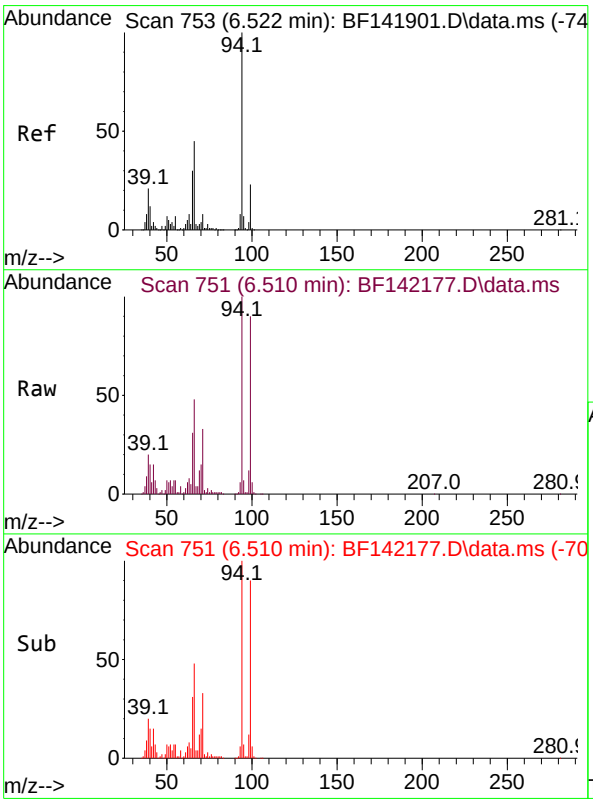
Ion	Ratio	Lower	Upper
77	100		
105	101.5	80.0	120.0
106	95.7	74.5	114.5



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

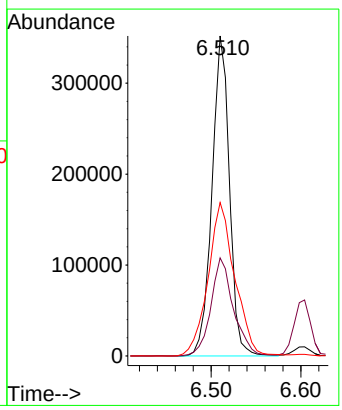
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

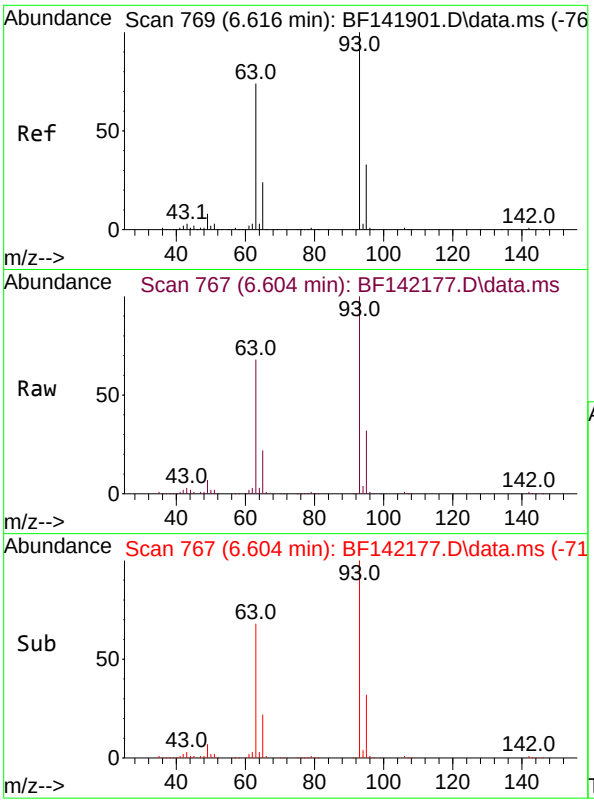


#10
Phenol
Concen: 49.208 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 94 Resp: 476524

Ion	Ratio	Lower	Upper
94	100		
65	30.6	10.5	50.5
66	47.9	25.8	65.8

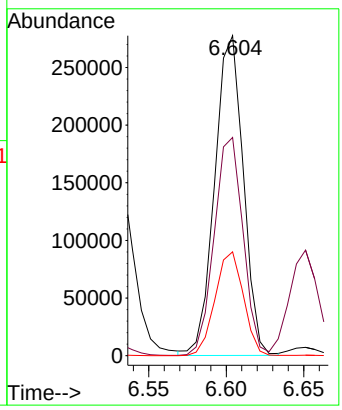




#11
bis(2-Chloroethyl)ether
Concen: 49.069 ng
RT: 6.604 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 93 Resp: 35680

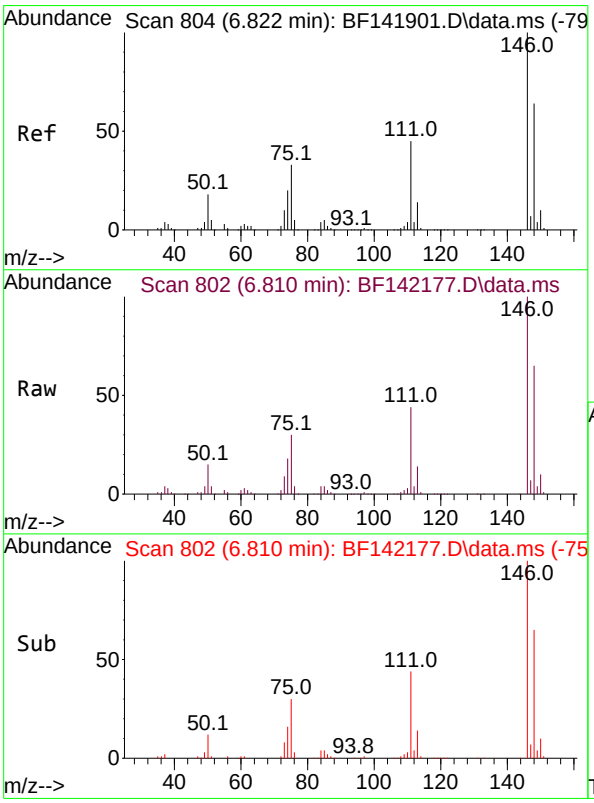
Ion	Ratio	Lower	Upper
93	100		
63	68.2	53.0	93.0
95	32.5	12.9	52.9



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

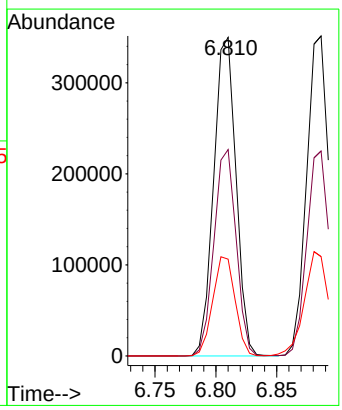
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

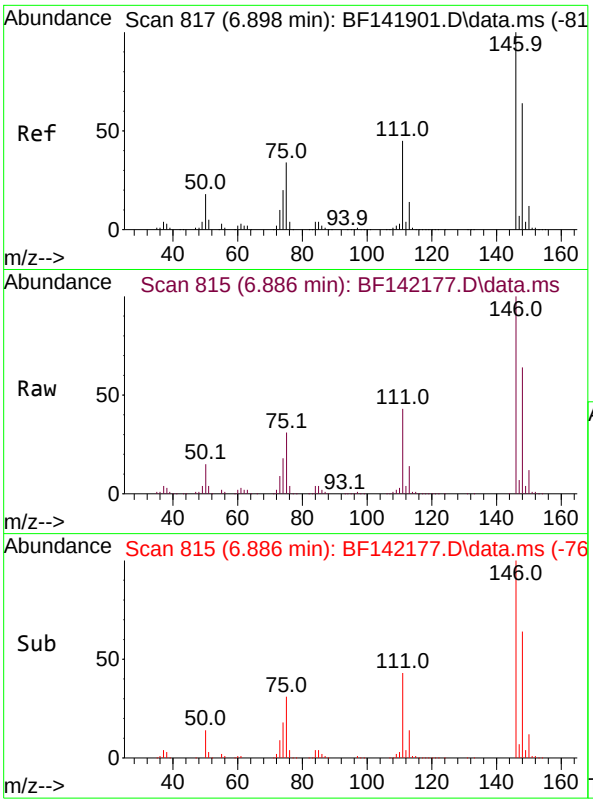


#12
1,3-Dichlorobenzene
Concen: 51.623 ng
RT: 6.810 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:146 Resp: 446871

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.3	76.9
75	30.4	26.6	40.0

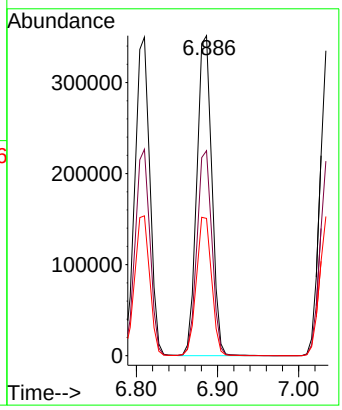




#13
1,4-Dichlorobenzene
Concen: 51.651 ng
RT: 6.886 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:146 Resp: 45238

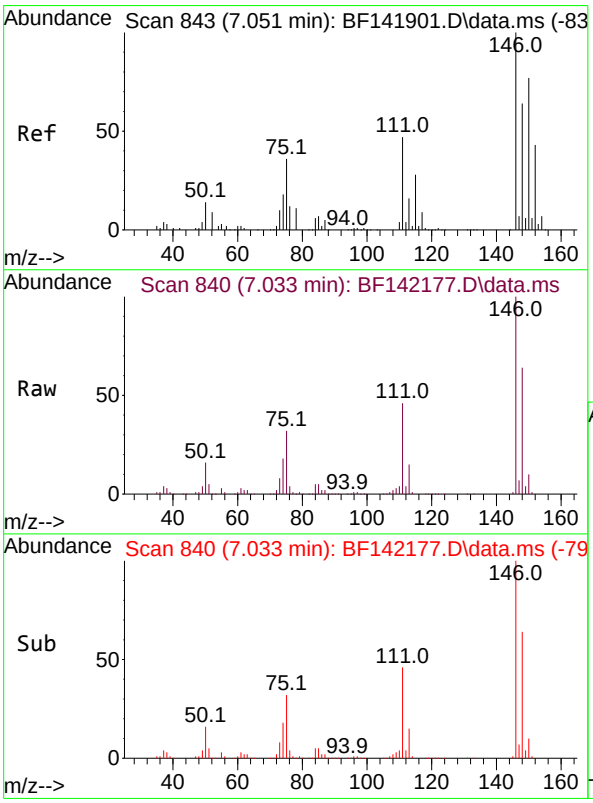
Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.6
111	42.9	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

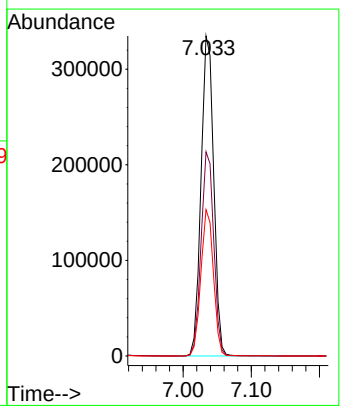
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

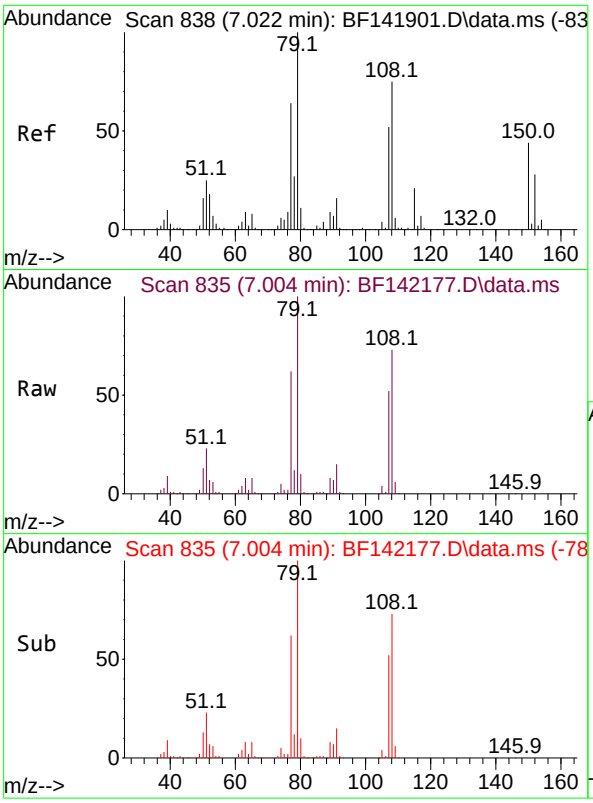


#14
1,2-Dichlorobenzene
Concen: 52.476 ng
RT: 7.033 min Scan# 840
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:146 Resp: 432910

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.8	76.2
111	45.7	38.0	57.0





#15
Benzyl Alcohol
Concen: 48.734 ng
RT: 7.004 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

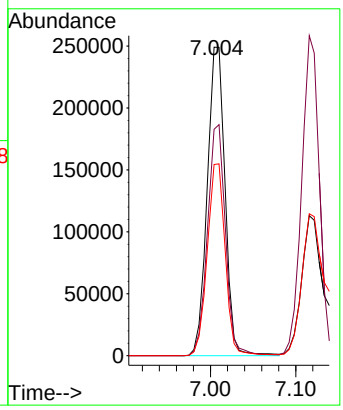
Tgt Ion: 79 Resp: 36266

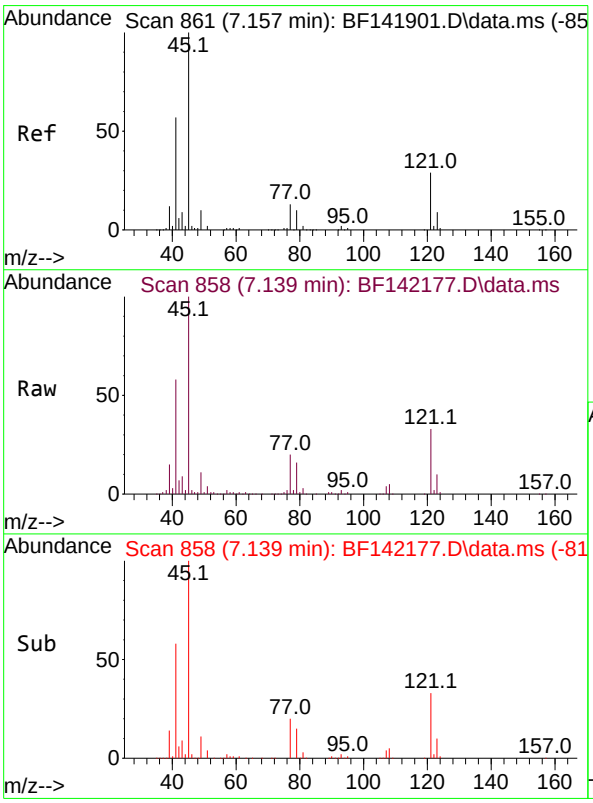
Ion	Ratio	Lower	Upper
79	100		
108	73.4	59.7	89.5
77	62.0	51.0	76.6

Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

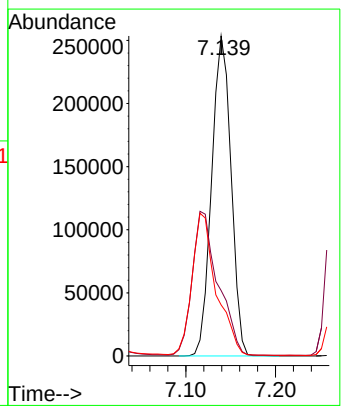


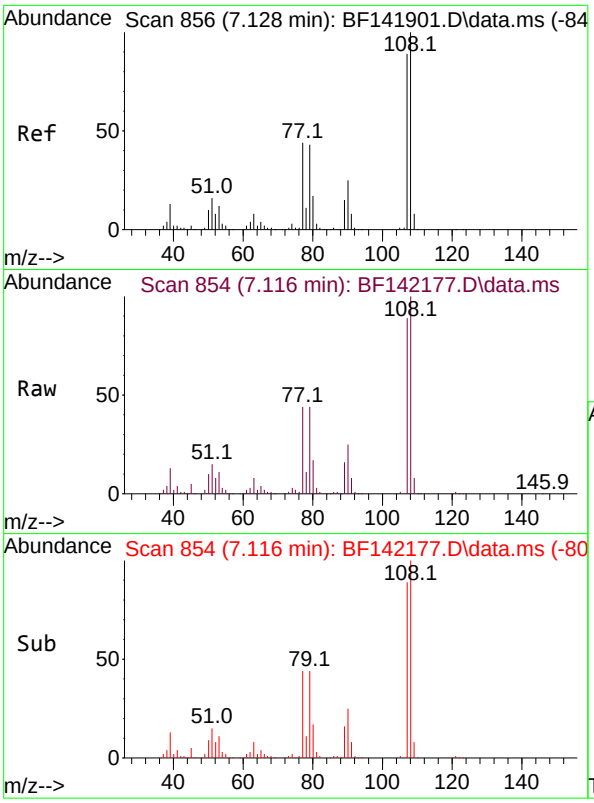


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.374 ng
RT: 7.139 min Scan# 858
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 45 Resp: 380763

Ion	Ratio	Lower	Upper
45	100		
77	20.5	0.0	37.8
79	15.9	0.0	34.2

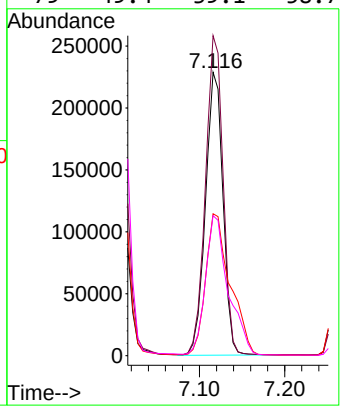




#17
2-Methylphenol
Concen: 51.141 ng
RT: 7.116 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:107 Resp: 32604

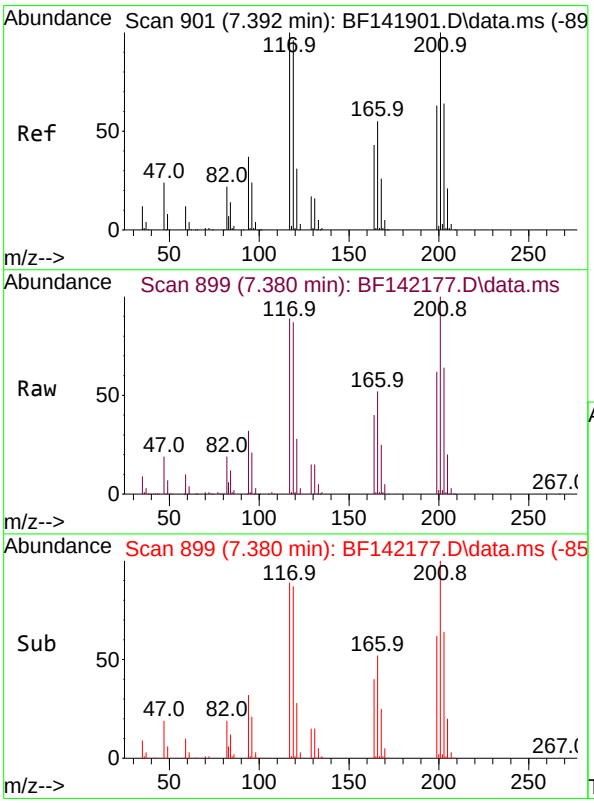
Ion	Ratio	Lower	Upper
107	100		
108	113.0	90.2	135.2
77	50.1	39.6	59.4
79	49.4	39.1	58.7



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

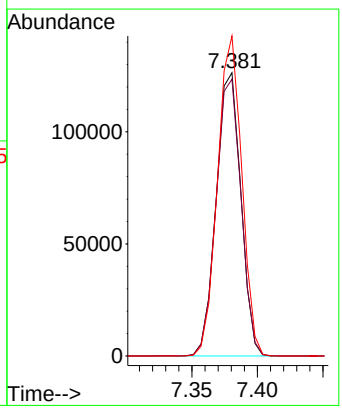
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

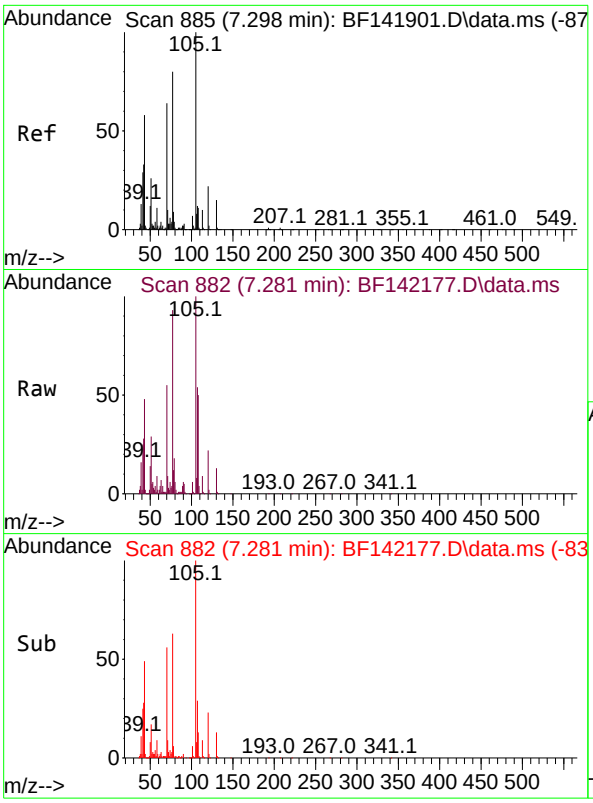


#18
Hexachloroethane
Concen: 50.279 ng
RT: 7.380 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:117 Resp: 165135

Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.9	115.3
201	113.0	79.9	119.9

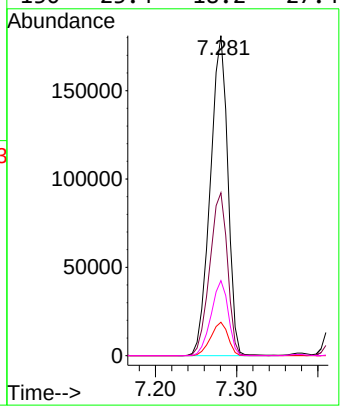




#19
n-Nitroso-di-n-propylamine
Concen: 45.996 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 70 Resp: 27205

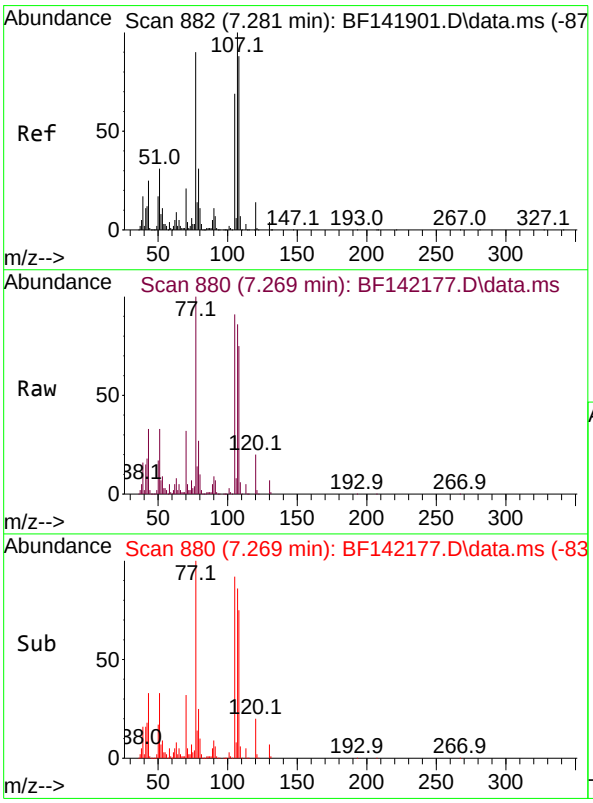
Ion	Ratio	Lower	Upper
70	100		
42	50.9	41.4	62.0
101	10.5	8.2	12.2
130	23.4	18.2	27.4



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

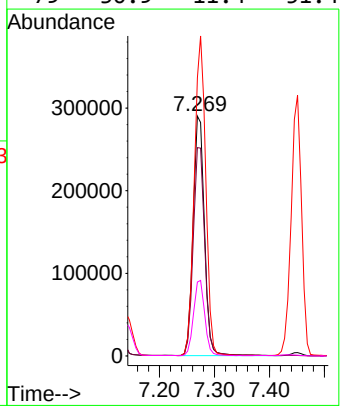
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

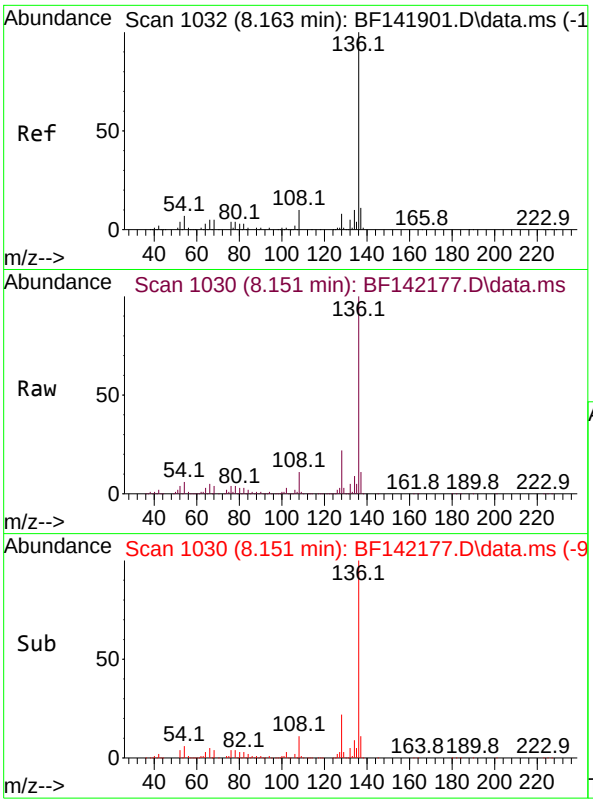


#20
3+4-Methylphenols
Concen: 50.761 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:107 Resp: 414507

Ion	Ratio	Lower	Upper
107	100		
108	86.9	68.4	108.4
77	116.0	69.7	109.7#
79	30.9	11.4	51.4

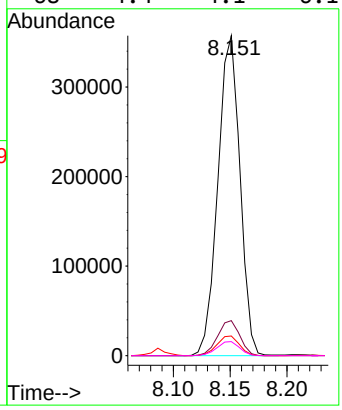




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:136 Resp: 48406

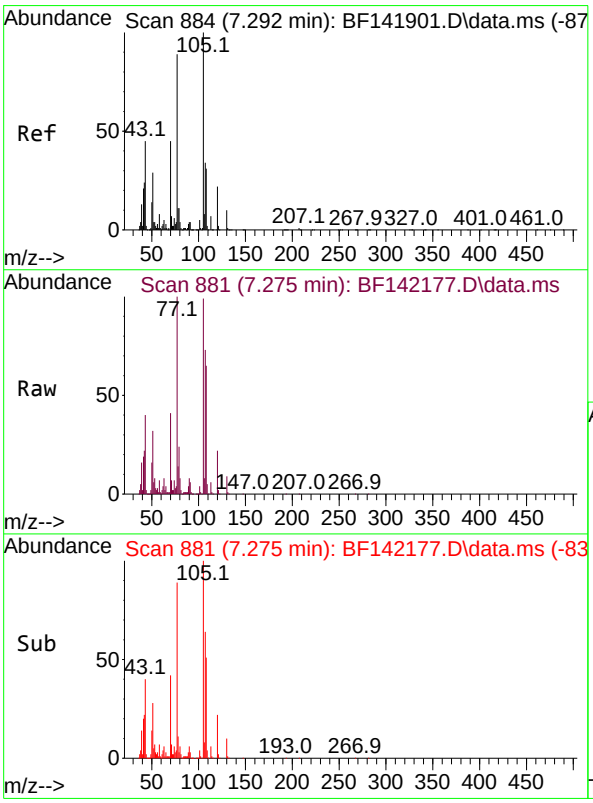
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.1	5.8	8.8
68	4.4	4.1	6.1



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

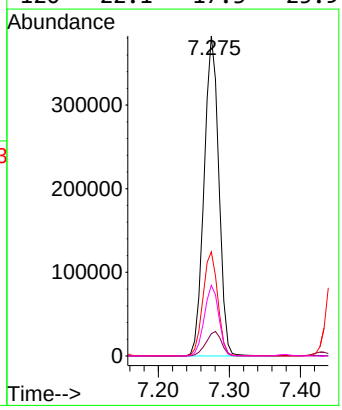
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

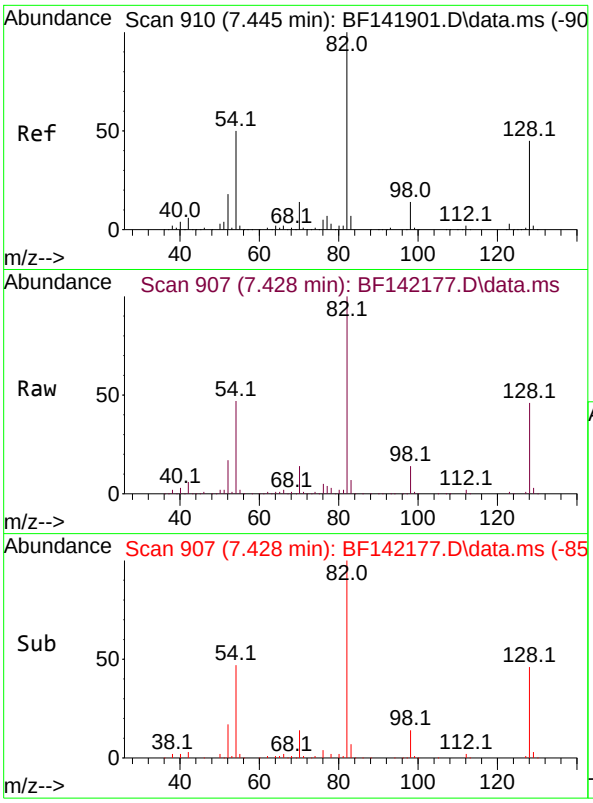


#22
Acetophenone
Concen: 47.707 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:105 Resp: 553030

Ion	Ratio	Lower	Upper
105	100		
71	7.0	5.8	8.8
51	32.6	23.4	35.0
120	22.1	17.3	25.9

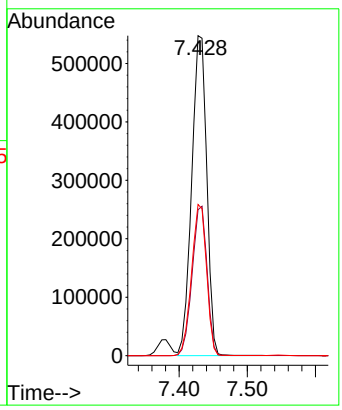




#23
Nitrobenzene-d5
Concen: 97.065 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 82 Resp: 83492

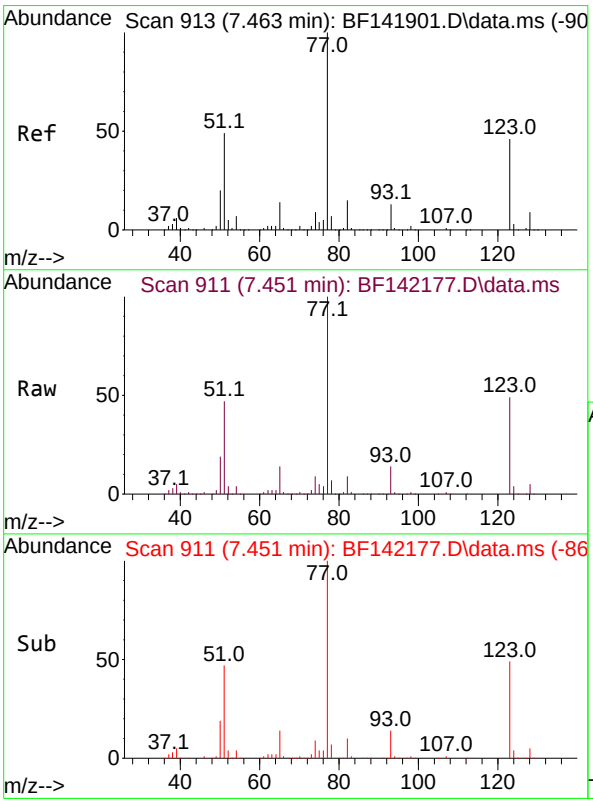
Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.0	54.0
54	47.3	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

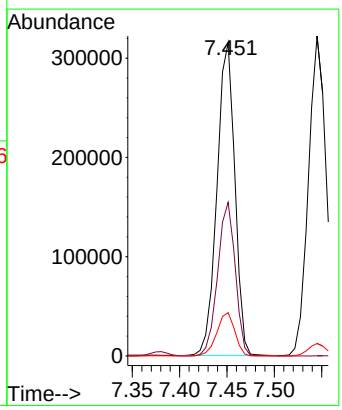
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

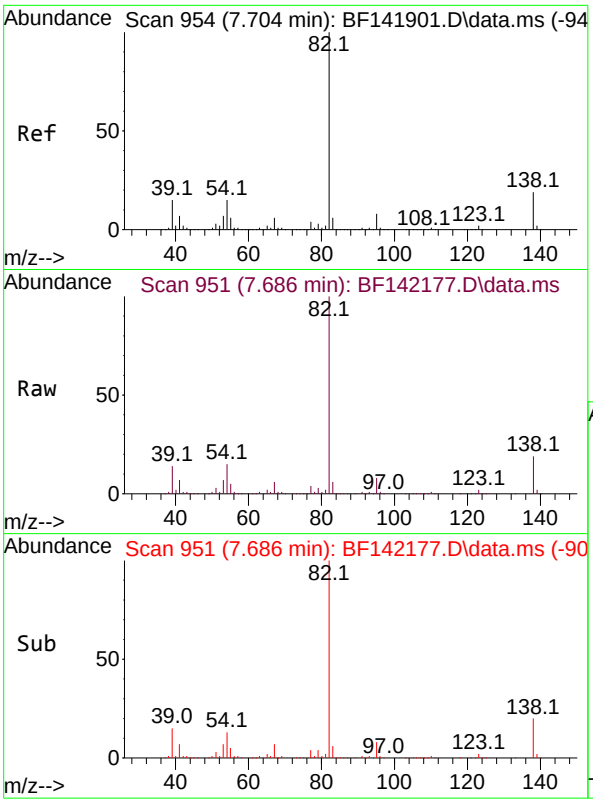


#24
Nitrobenzene
Concen: 48.456 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 77 Resp: 414348

Ion	Ratio	Lower	Upper
77	100		
123	49.1	37.0	55.4
65	13.9	11.3	16.9

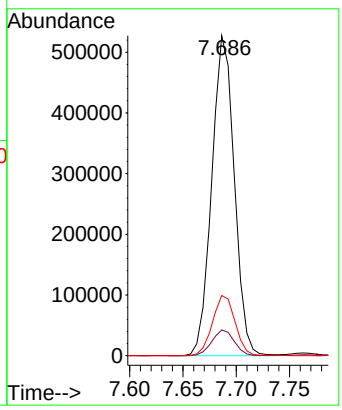




#25
Isophorone
Concen: 51.004 ng
RT: 7.686 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 82 Resp: 77550

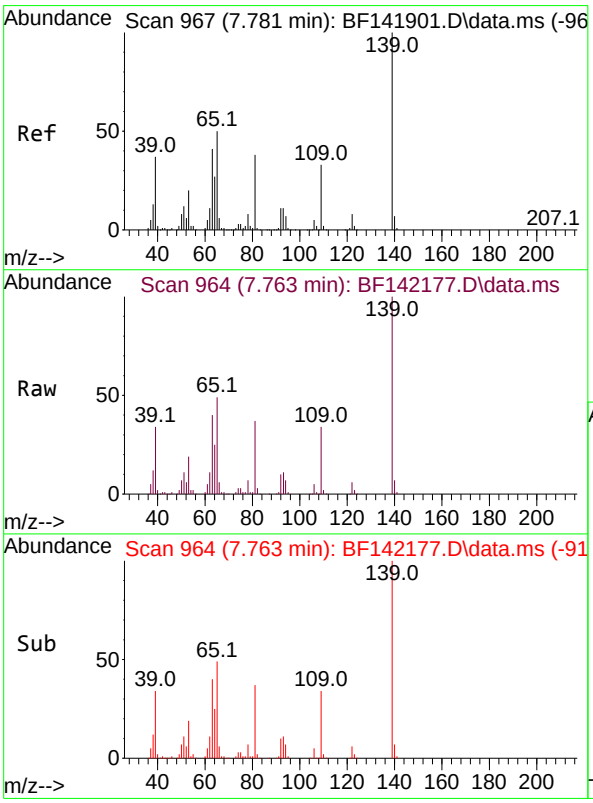
Ion	Ratio	Lower	Upper
82	100		
95	8.1	6.4	9.6
138	18.8	14.9	22.3



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

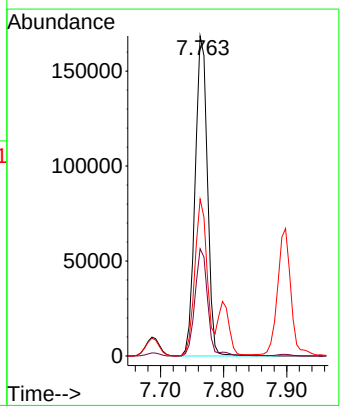
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

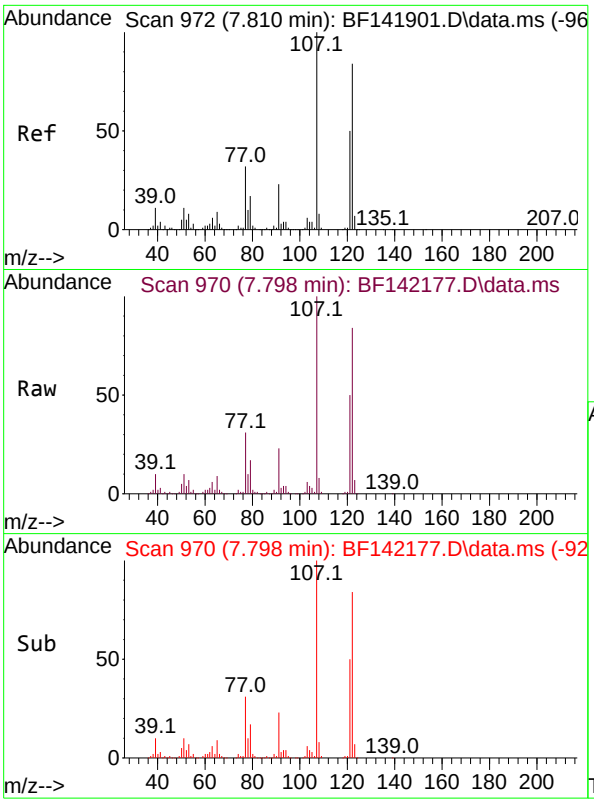


#26
2-Nitrophenol
Concen: 54.270 ng
RT: 7.763 min Scan# 964
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:139 Resp: 227763

Ion	Ratio	Lower	Upper
139	100		
109	33.5	26.5	39.7
65	49.0	40.3	60.5

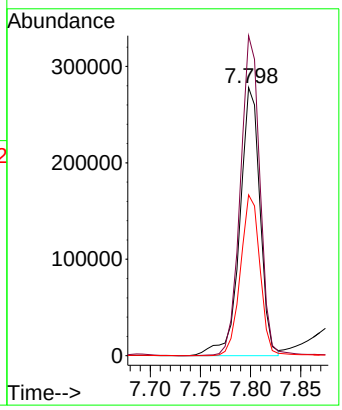




#27
2,4-Dimethylphenol
Concen: 67.441 ng
RT: 7.798 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:122 Resp: 38973

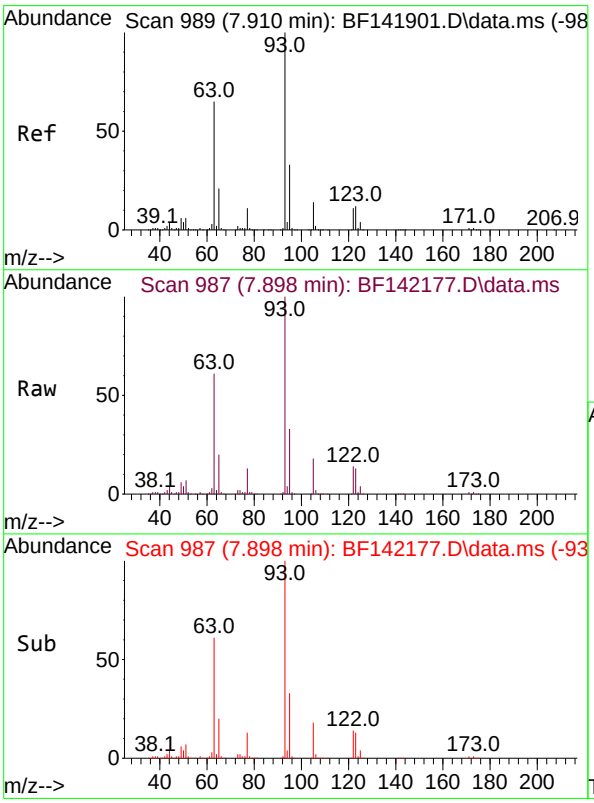
Ion	Ratio	Lower	Upper
122	100		
107	119.3	94.8	142.2
121	59.9	47.8	71.6



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

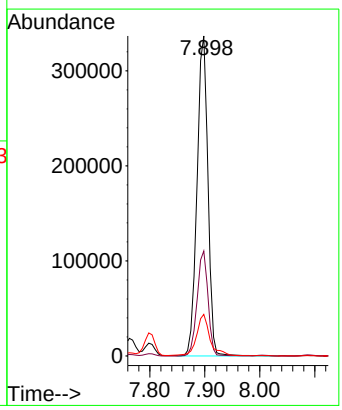
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

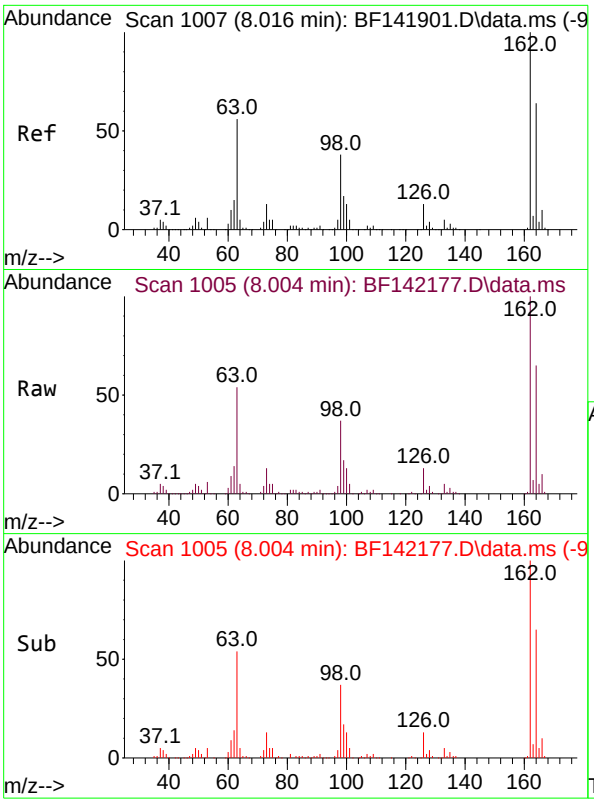


#28
bis(2-Chloroethoxy)methane
Concen: 48.727 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 93 Resp: 464694

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.6	40.0
123	13.0	10.2	15.4

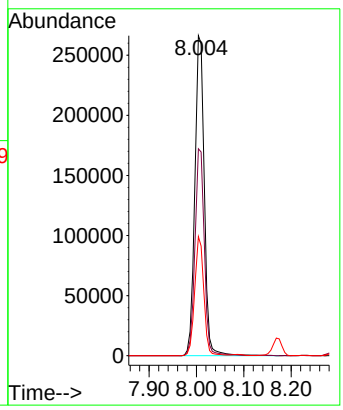




#29
2,4-Dichlorophenol
Concen: 51.540 ng
RT: 8.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:162 Resp: 36970

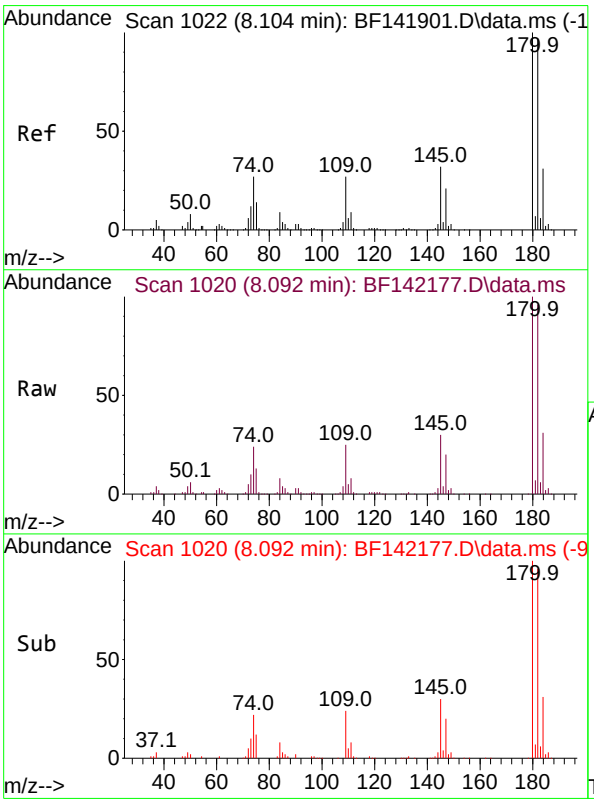
Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.8	83.8
98	37.2	18.1	58.1



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

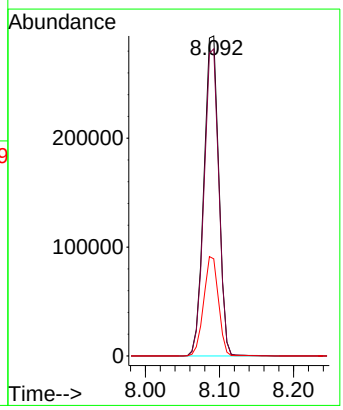
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

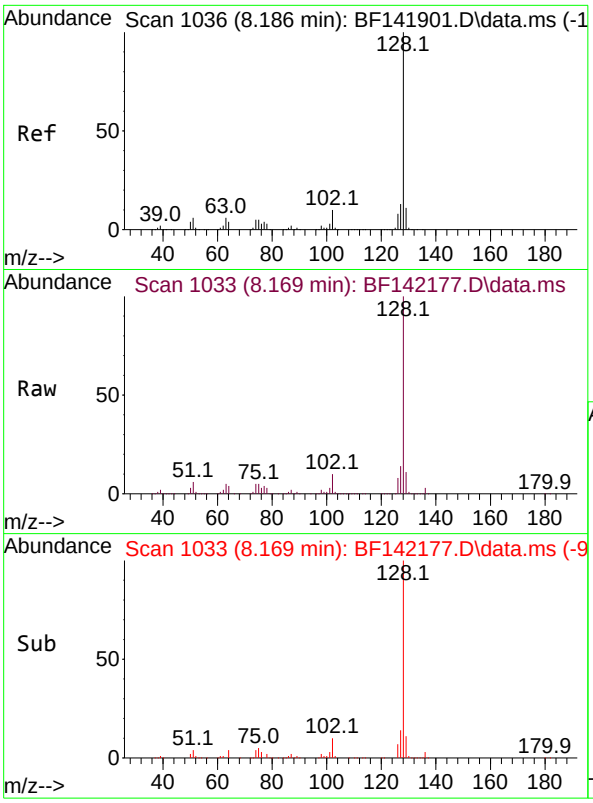


#30
1,2,4-Trichlorobenzene
Concen: 51.836 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:180 Resp: 409755

Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.5	116.3
145	30.3	25.8	38.6

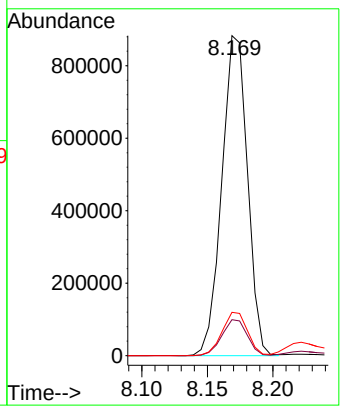




#31
Naphthalene
Concen: 48.347 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:128 Resp: 120219

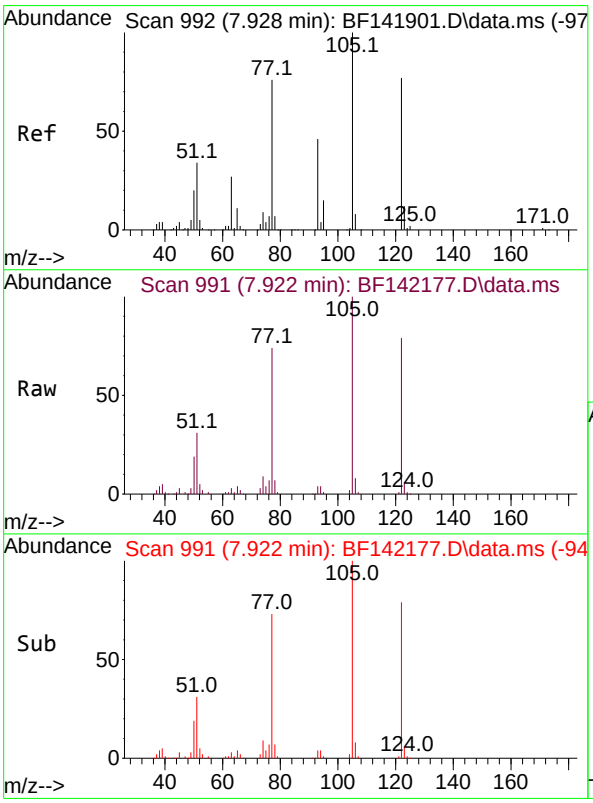
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

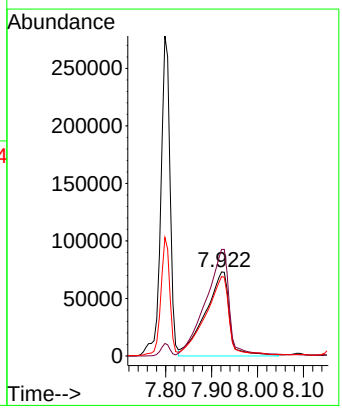
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

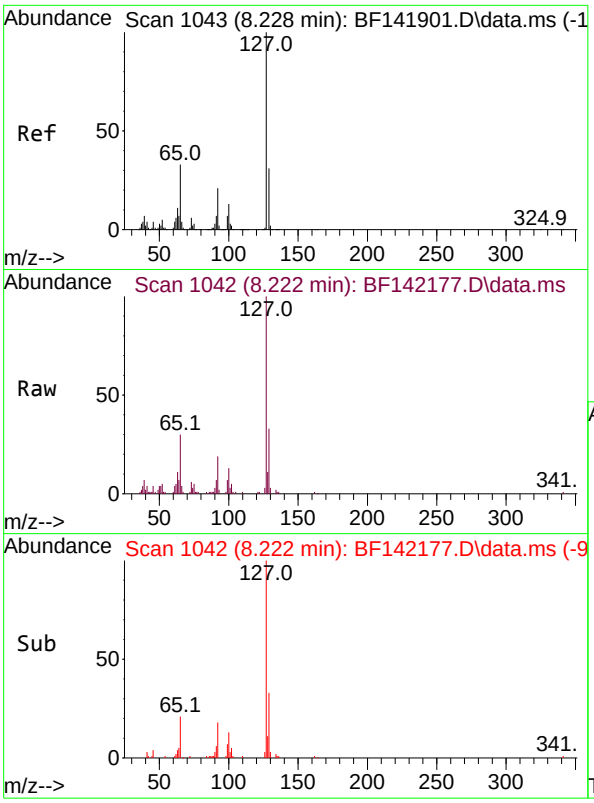


#32
Benzoic acid
Concen: 52.868 ng m
RT: 7.922 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:122 Resp: 268561

Ion	Ratio	Lower	Upper
122	100		
105	126.8	107.9	147.9
77	94.5	79.0	119.0

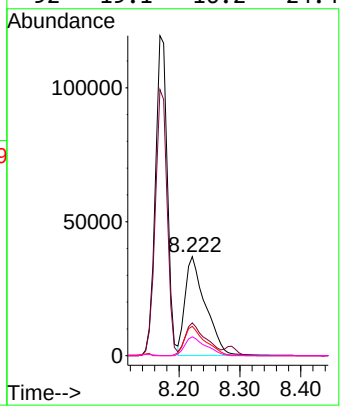




#33
4-Chloroaniline
Concen: 9.757 ng
RT: 8.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:127 Resp: 8564

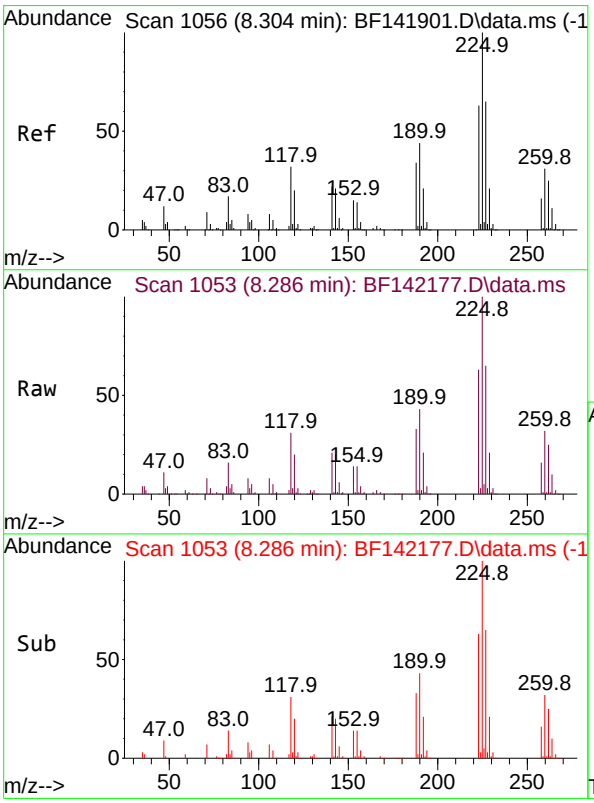
Ion	Ratio	Lower	Upper
127	100		
129	33.2	26.2	39.4
65	29.5	25.4	38.2
92	19.1	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

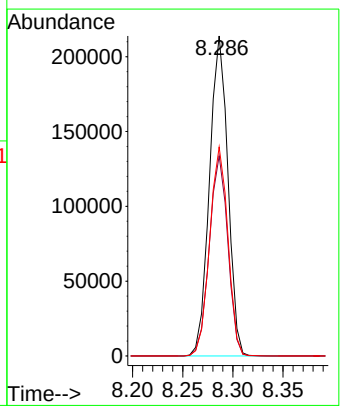
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

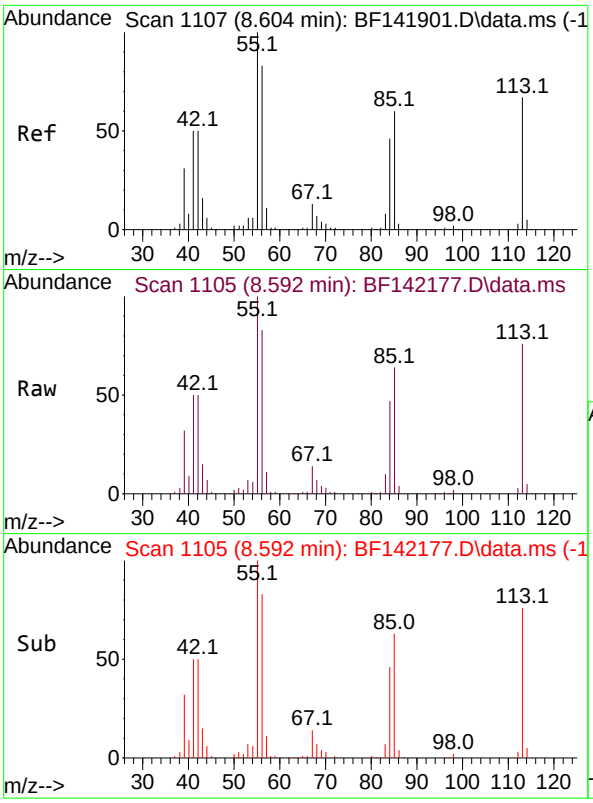


#34
Hexachlorobutadiene
Concen: 52.763 ng
RT: 8.286 min Scan# 1053
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:225 Resp: 272000

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.6	75.8
227	65.3	52.2	78.2

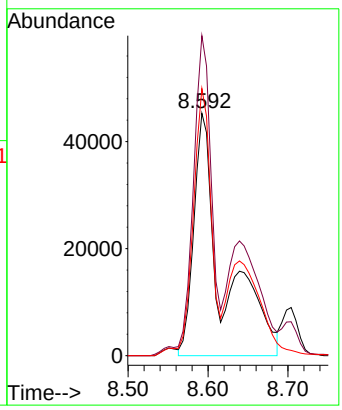




#35
Caprolactam
Concen: 52.009 ng m
RT: 8.592 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:113 Resp: 11373

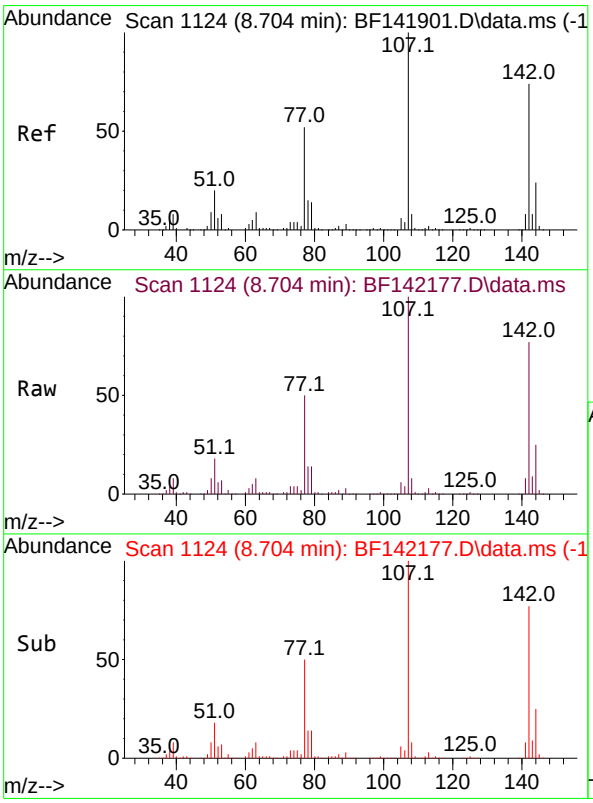
Ion	Ratio	Lower	Upper
113	100		
55	132.0	129.6	169.6
56	110.2	104.0	144.0



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

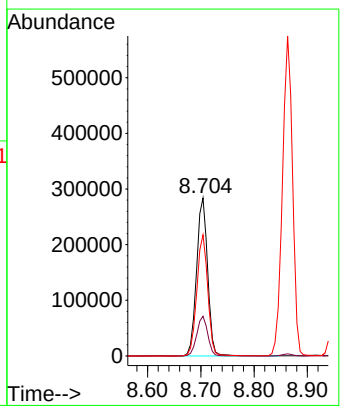
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

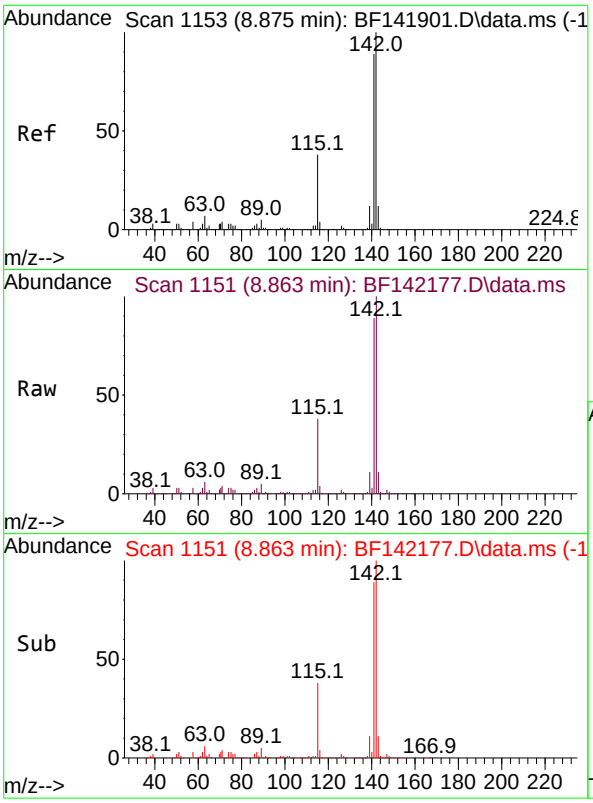


#36
4-Chloro-3-methylphenol
Concen: 51.197 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.000 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:107 Resp: 409653

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.0	28.6
142	76.7	59.2	88.8

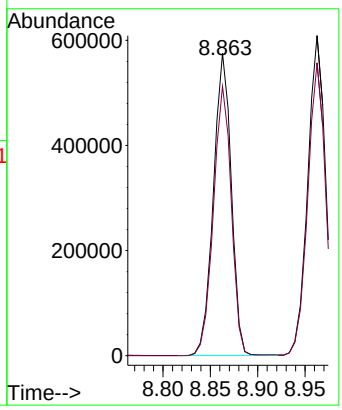




#37
2-Methylnaphthalene
Concen: 45.416 ng
RT: 8.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:142 Resp: 75483

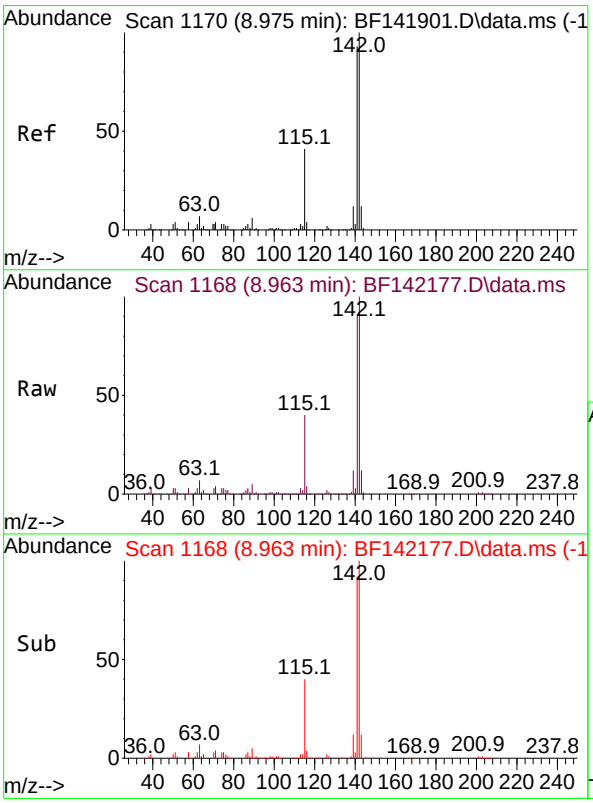
Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.2	106.8



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

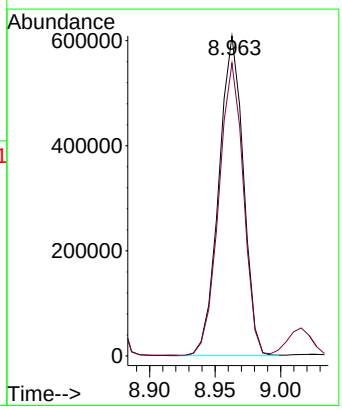
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

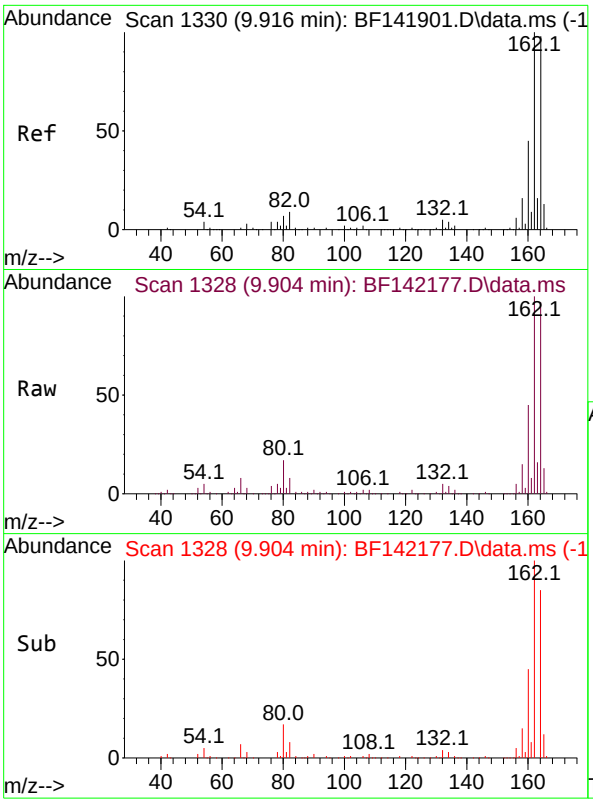


#38
1-Methylnaphthalene
Concen: 49.304 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:142 Resp: 790773

Ion	Ratio	Lower	Upper
142	100		
141	91.5	74.2	111.4

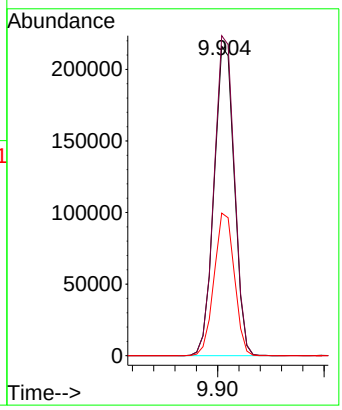




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:164 Resp: 28573

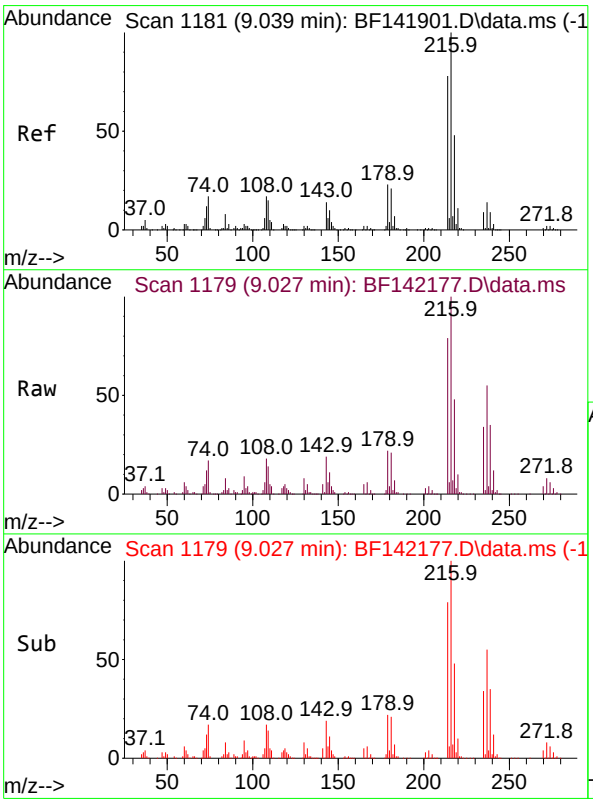
Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.8	122.6
160	46.1	36.7	55.1



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

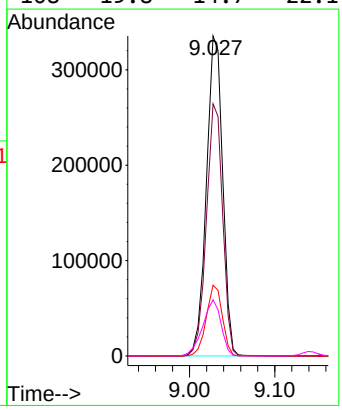
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

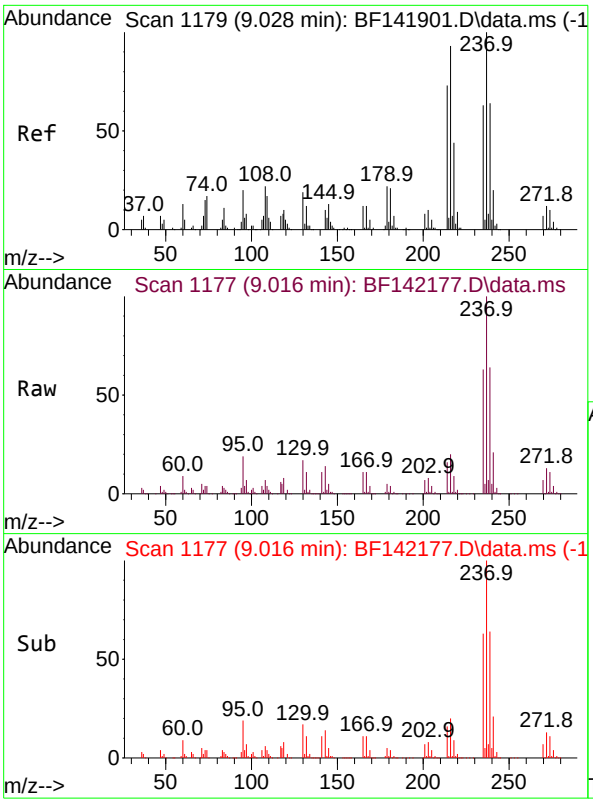


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.130 ng
RT: 9.027 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:216 Resp: 444807

Ion	Ratio	Lower	Upper
216	100		
214	78.5	61.9	92.9
179	21.8	18.1	27.1
108	19.8	14.7	22.1

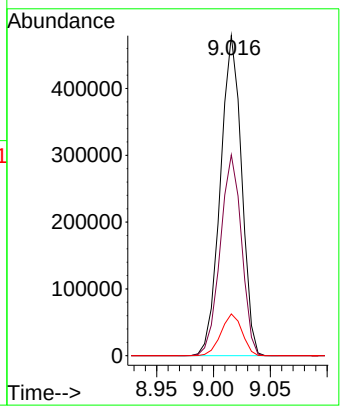




#41
Hexachlorocyclopentadiene
Concen: 182.981 ng
RT: 9.016 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:237 Resp: 62298

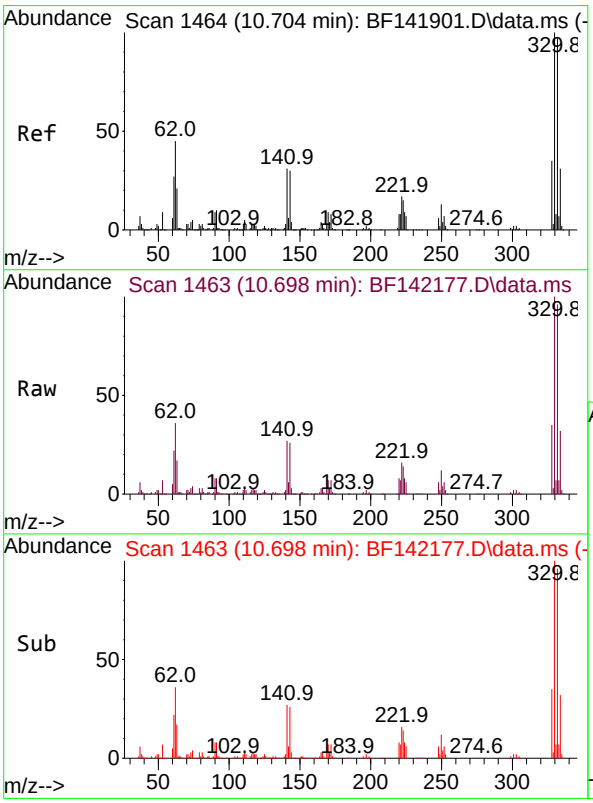
Ion	Ratio	Lower	Upper
237	100		
235	62.8	43.1	83.1
272	13.0	0.0	32.0



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

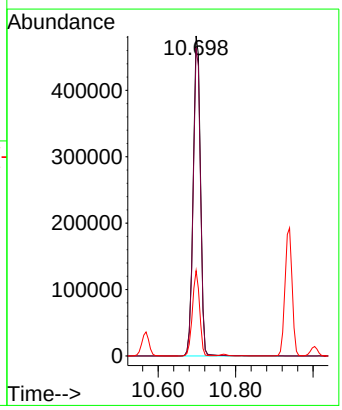
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

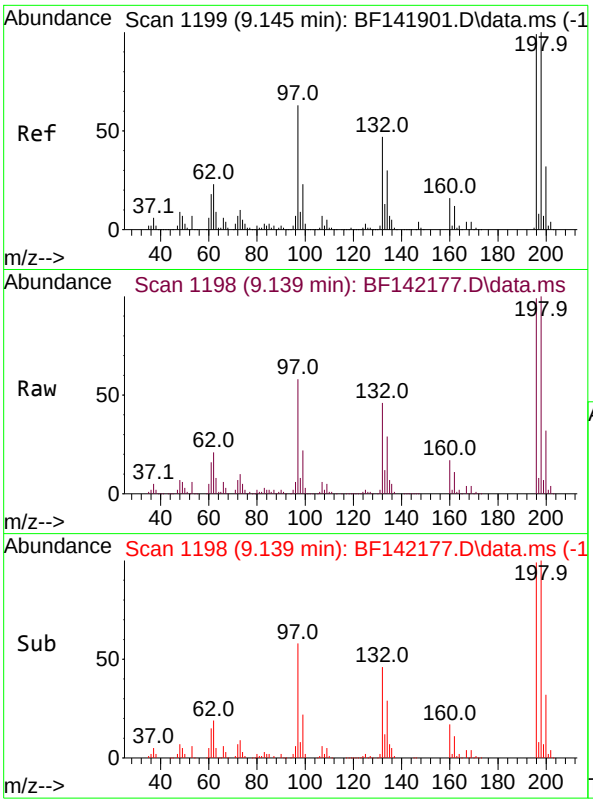


#42
2,4,6-Tribromophenol
Concen: 173.206 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:330 Resp: 627855

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.6	116.4
141	26.4	24.7	37.1

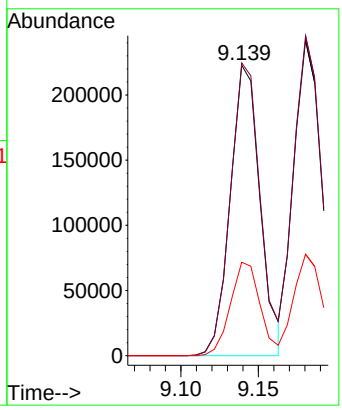




#43
2,4,6-Trichlorophenol
Concen: 52.420 ng
RT: 9.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:196 Resp: 29803

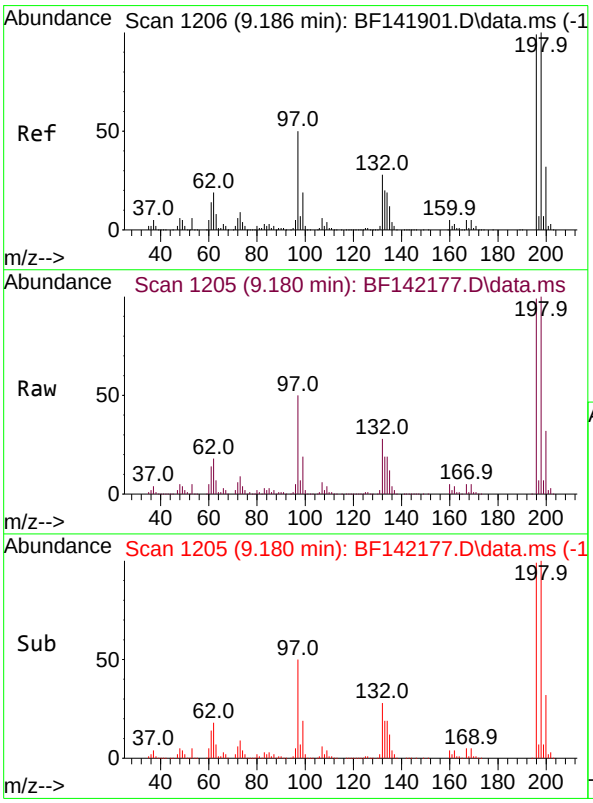
Ion	Ratio	Lower	Upper
196	100		
198	100.8	80.6	121.0
200	32.2	25.8	38.6



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

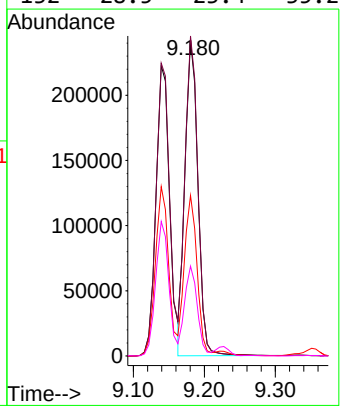
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

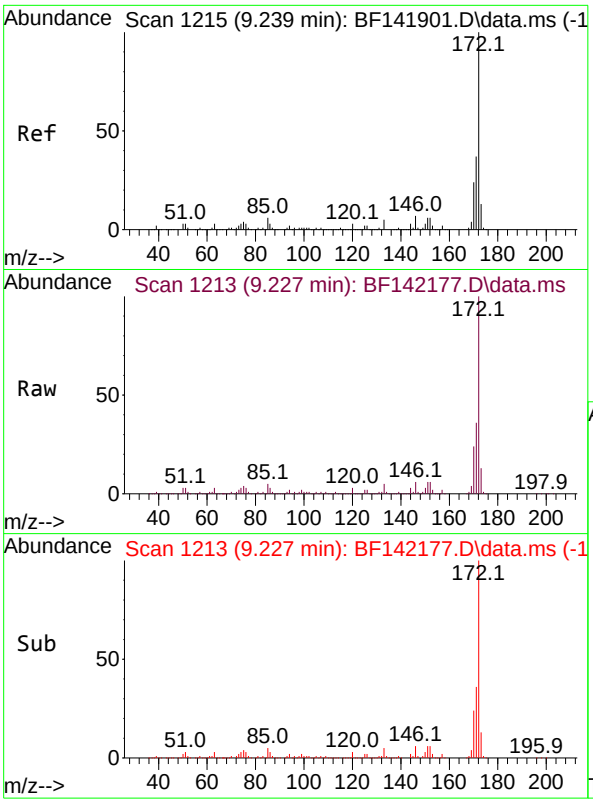


#44
2,4,5-Trichlorophenol
Concen: 53.434 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:196 Resp: 307687

Ion	Ratio	Lower	Upper
196	100		
198	101.5	80.7	121.1
97	50.9	42.1	63.1
132	28.5	23.4	35.2

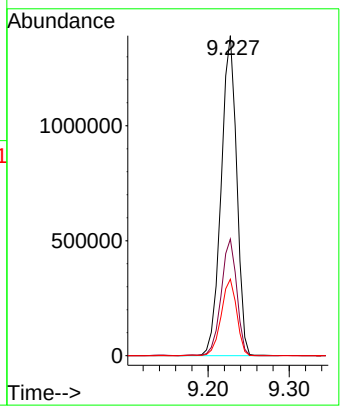




#45
2-Fluorobiphenyl
Concen: 98.880 ng
RT: 9.227 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:172 Resp: 185778

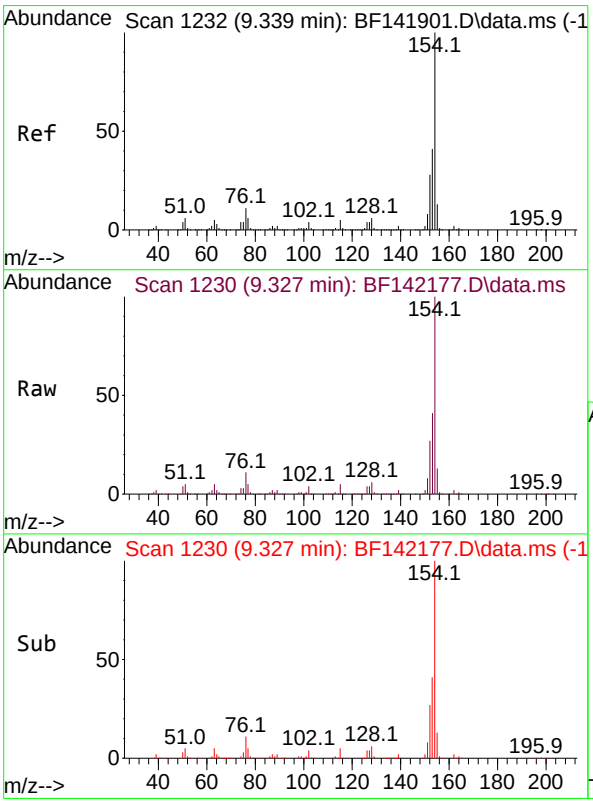
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.3	43.9
170	23.9	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

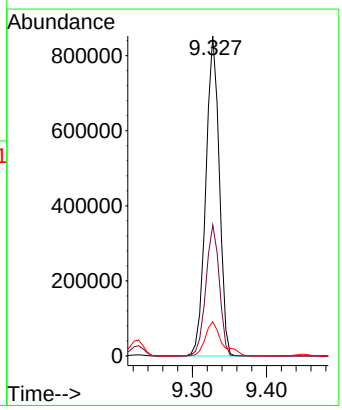
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

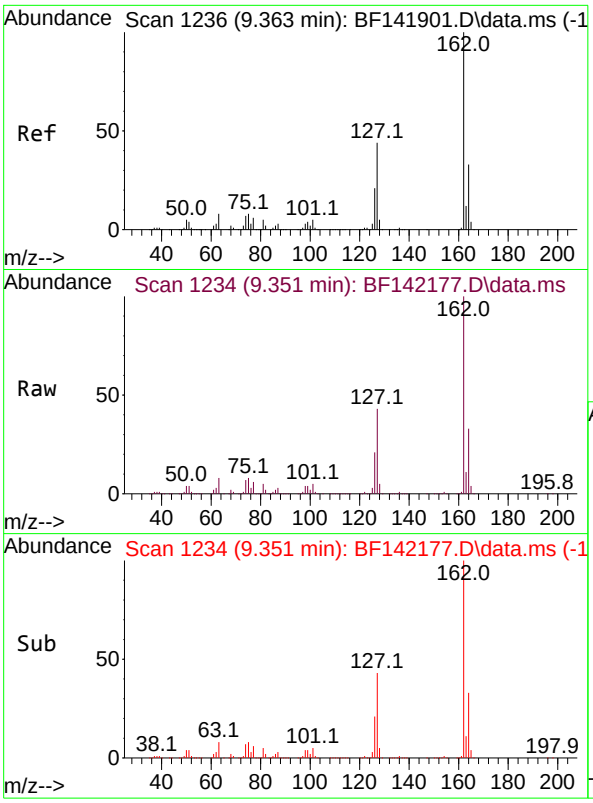


#46
1,1'-Biphenyl
Concen: 49.586 ng
RT: 9.327 min Scan# 1230
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:154 Resp: 1076545

Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.1	61.1
76	10.7	0.0	31.3

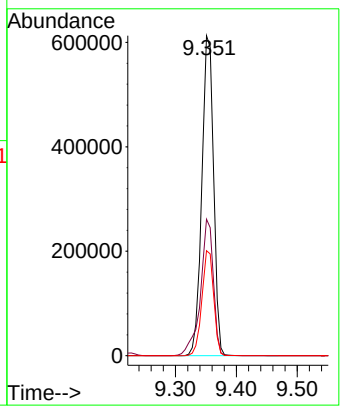




#47
2-Chloronaphthalene
Concen: 50.990 ng
RT: 9.351 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:162 Resp: 82511

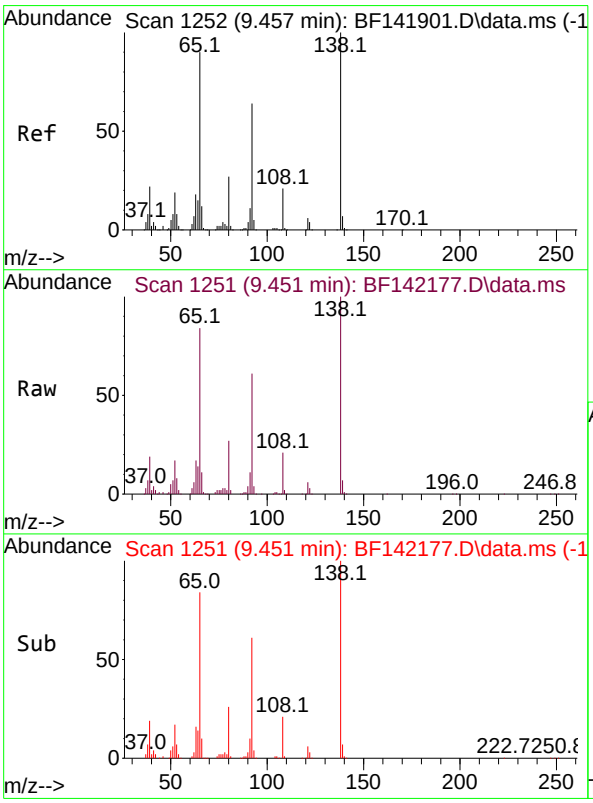
Ion	Ratio	Lower	Upper
162	100		
127	42.7	35.5	53.3
164	32.8	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

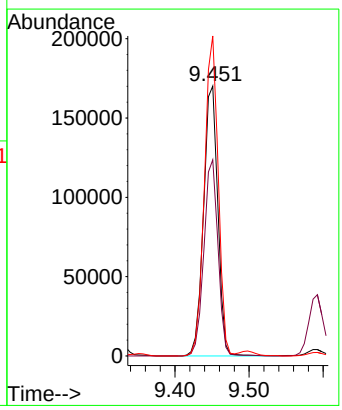
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

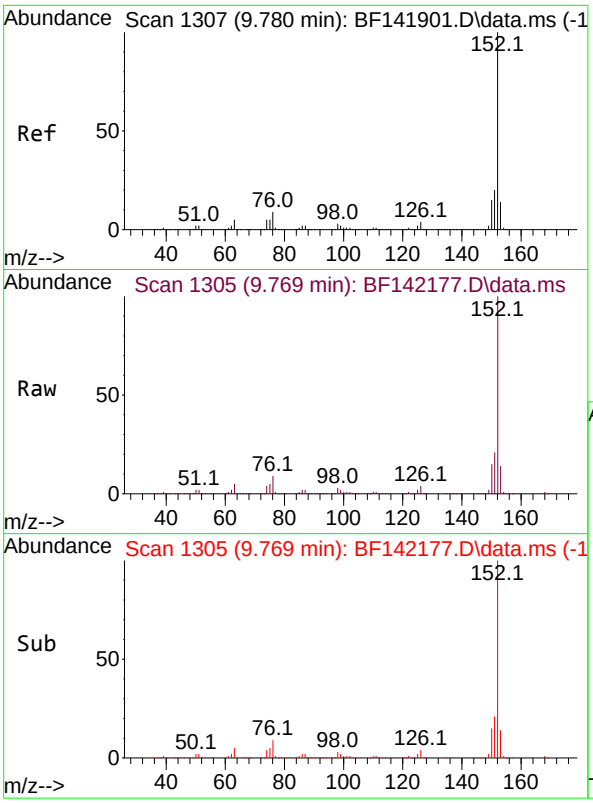


#48
2-Nitroaniline
Concen: 48.632 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 65 Resp: 227855

Ion	Ratio	Lower	Upper
65	100		
92	72.7	56.6	84.8
138	118.5	88.6	133.0

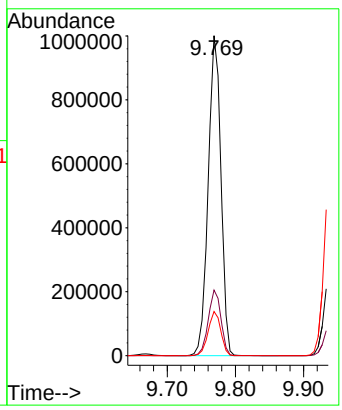




#49
Acenaphthylene
Concen: 54.194 ng
RT: 9.769 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:152 Resp: 130138

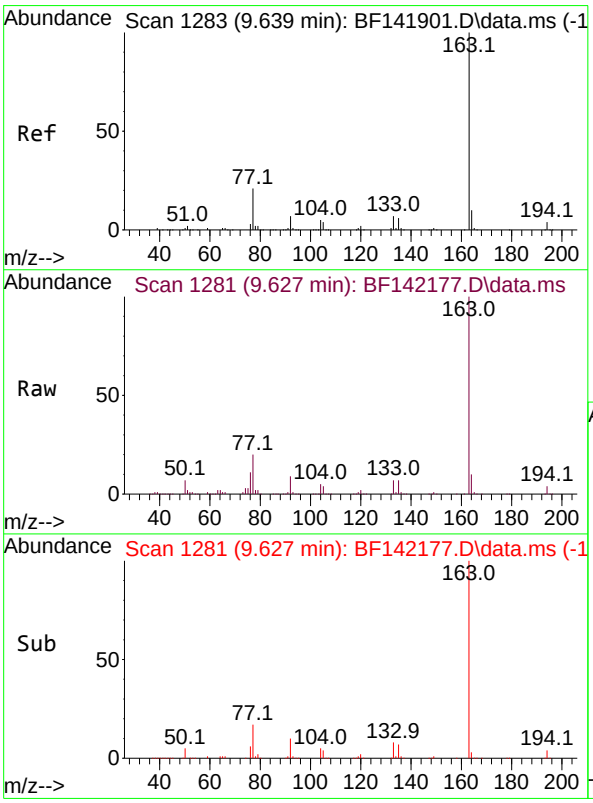
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	13.8	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

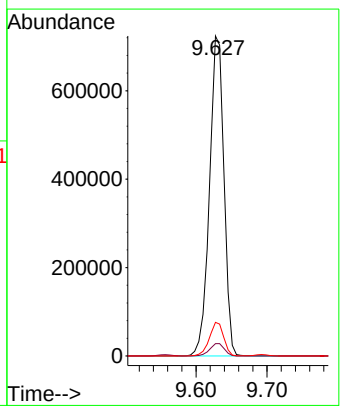
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

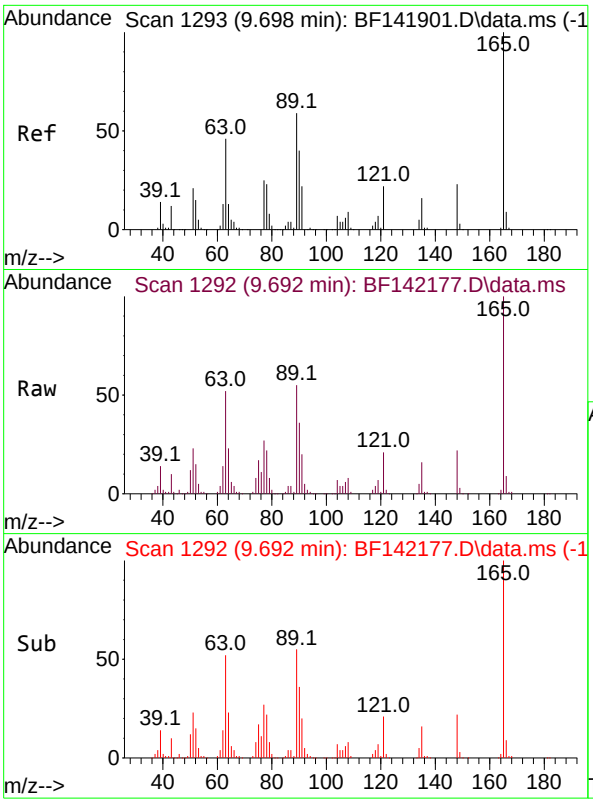


#50
Dimethylphthalate
Concen: 51.190 ng
RT: 9.627 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:163 Resp: 1024272

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.5	8.2	12.4





#51
2,6-Dinitrotoluene
Concen: 53.623 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

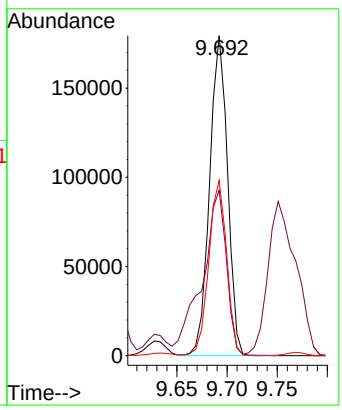
Tgt Ion:165 Resp: 22339

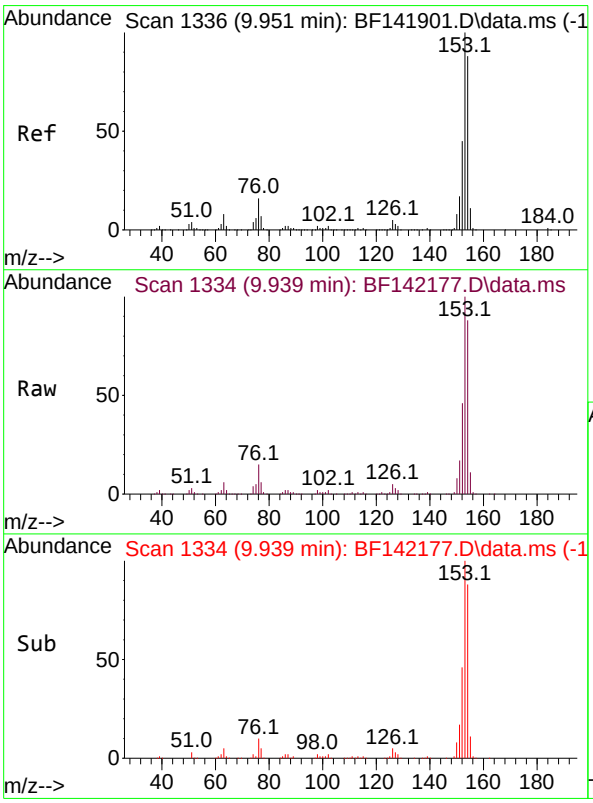
Ion	Ratio	Lower	Upper
165	100		
63	51.7	47.0	70.4
89	54.7	47.4	71.2

Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

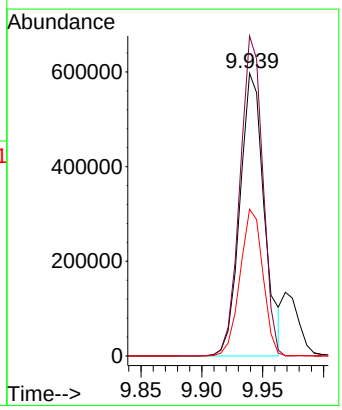


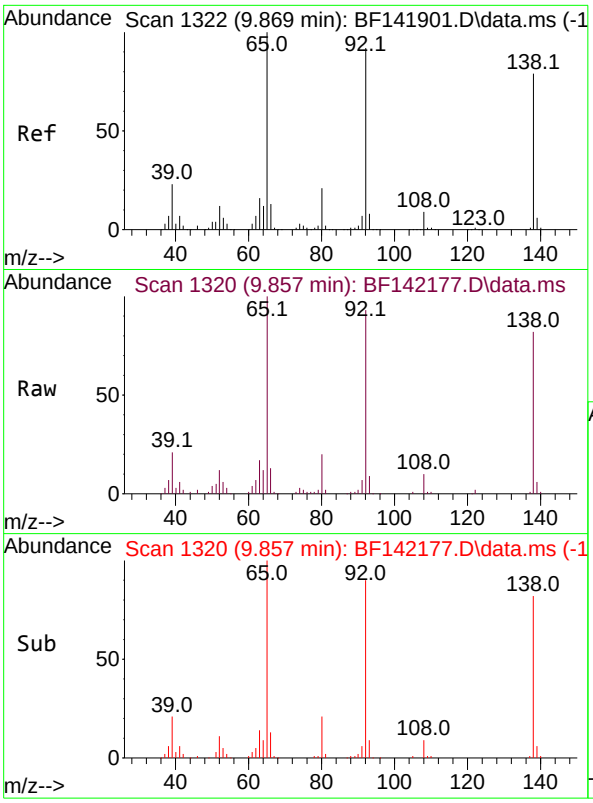


#52
Acenaphthene
Concen: 49.182 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:154 Resp: 829966

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.7	136.1
152	51.9	41.1	61.7





#53
3-Nitroaniline
Concen: 14.395 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

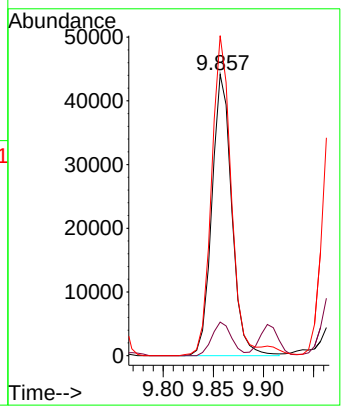
Tgt Ion:138 Resp: 6083

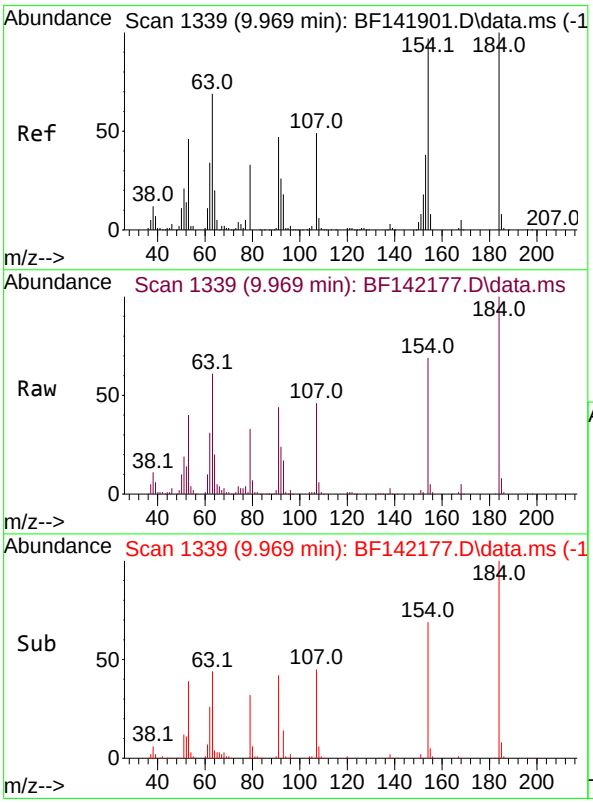
Ion	Ratio	Lower	Upper
138	100		
108	11.9	9.3	13.9
92	113.8	93.5	140.3

Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

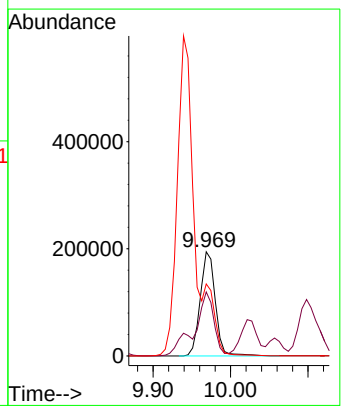


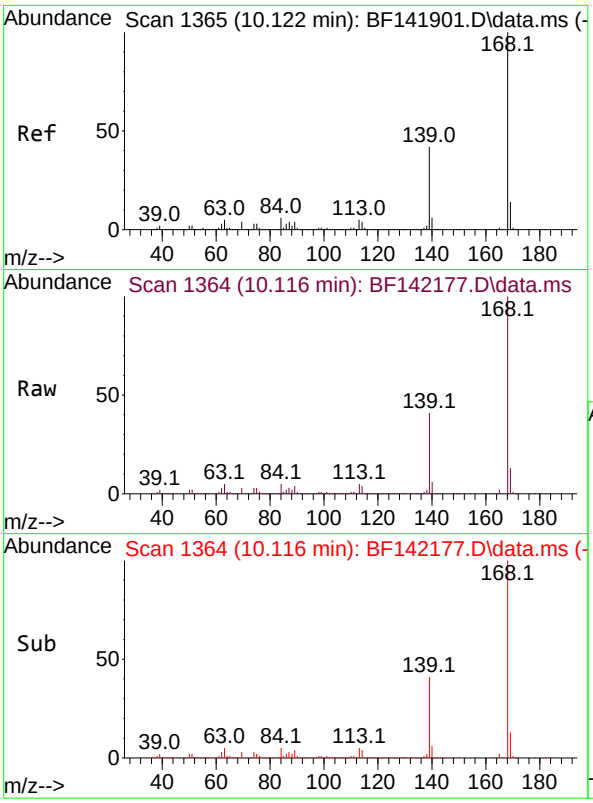


#54
2,4-Dinitrophenol
Concen: 108.826 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:184 Resp: 263709

Ion	Ratio	Lower	Upper
184	100		
63	61.4	60.2	90.4
154	69.1	132.9	199.3#

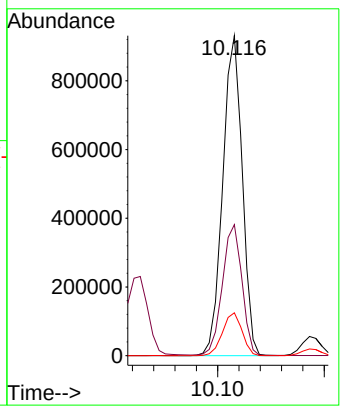




#55
Dibenzofuran
Concen: 49.044 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:168 Resp: 118258

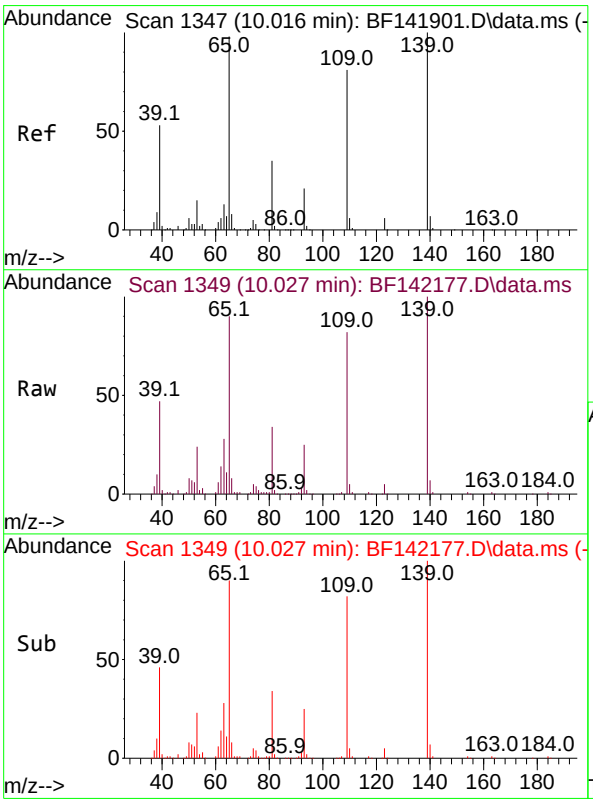
Ion	Ratio	Lower	Upper
168	100		
139	41.0	33.9	50.9
169	13.4	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

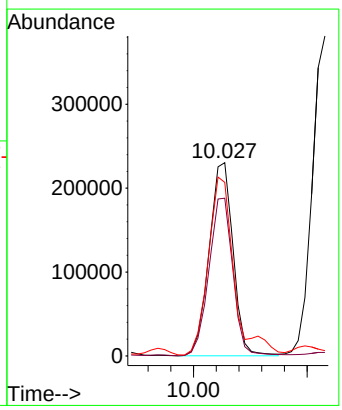
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

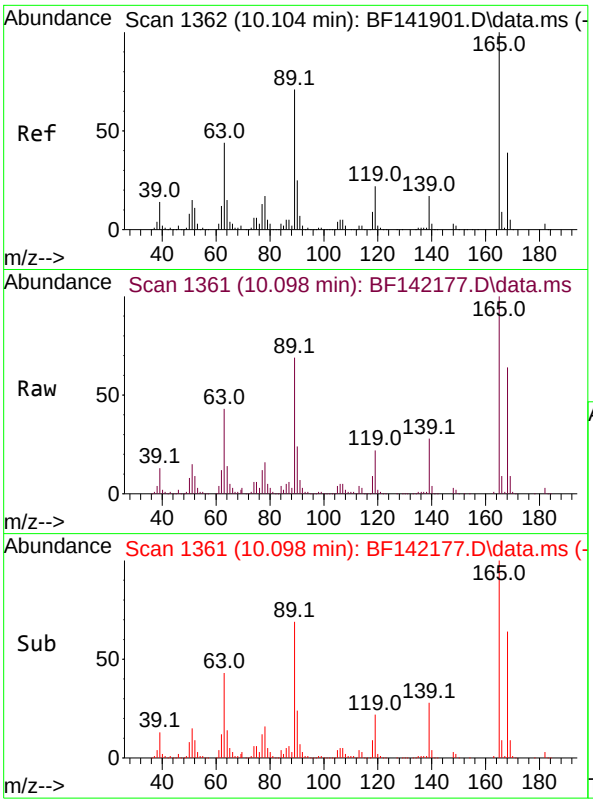


#56
4-Nitrophenol
Concen: 105.616 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:139 Resp: 336591

Ion	Ratio	Lower	Upper
139	100		
109	81.6	61.6	101.6
65	89.8	79.4	119.4

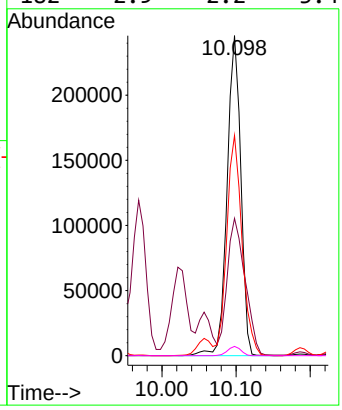




#57
2,4-Dinitrotoluene
Concen: 57.884 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:165 Resp: 31497

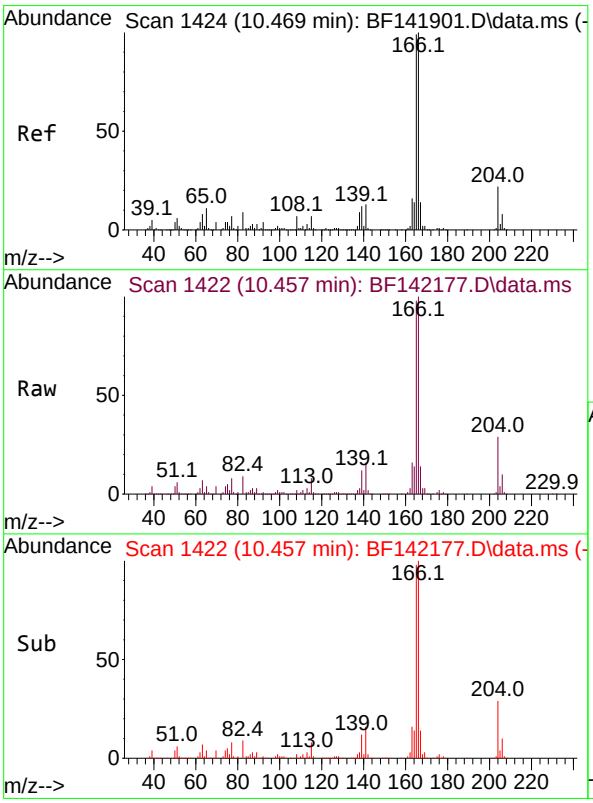
Ion	Ratio	Lower	Upper
165	100		
63	42.9	35.4	53.2
89	68.8	56.6	84.8
182	2.9	2.2	3.4



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

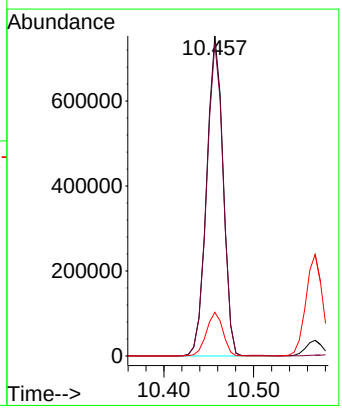
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

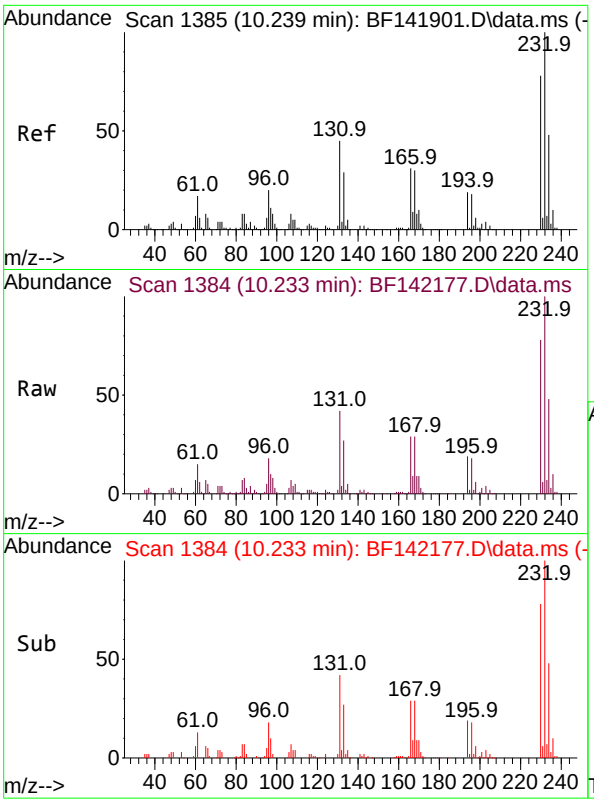


#58
Fluorene
Concen: 51.633 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:166 Resp: 960135

Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.0	118.4
167	13.7	11.0	16.4

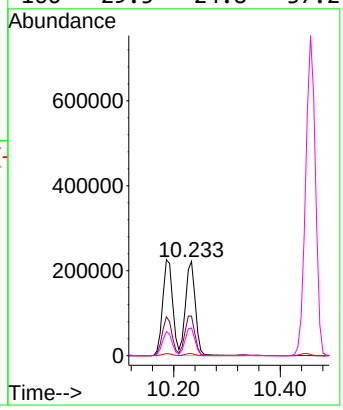




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.994 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:232 Resp: 28291

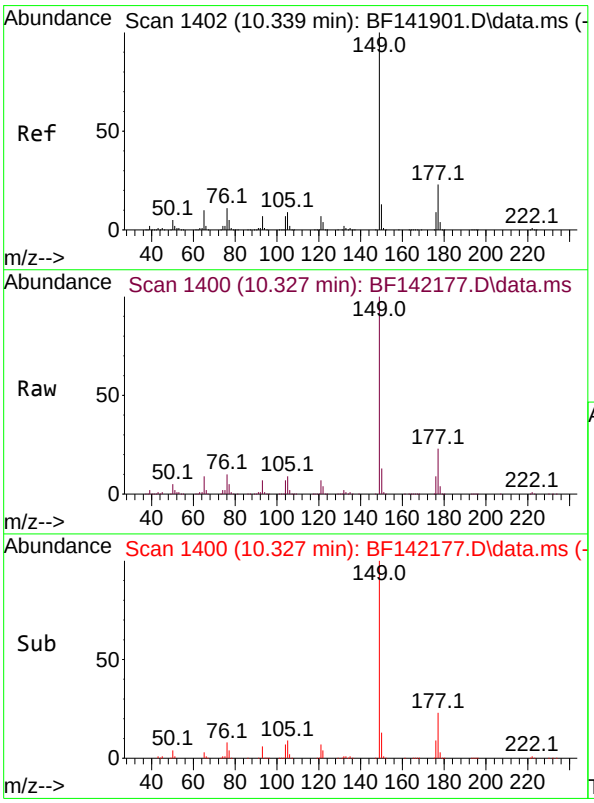
Ion	Ratio	Lower	Upper
232	100		
131	43.2	37.3	55.9
130	2.3	1.9	2.9
166	29.5	24.8	37.2



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

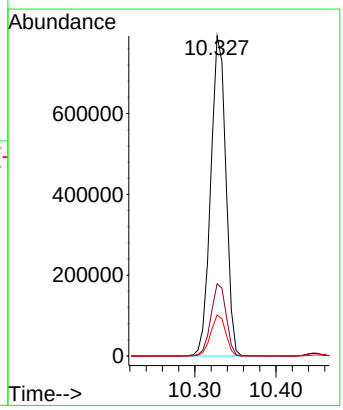
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

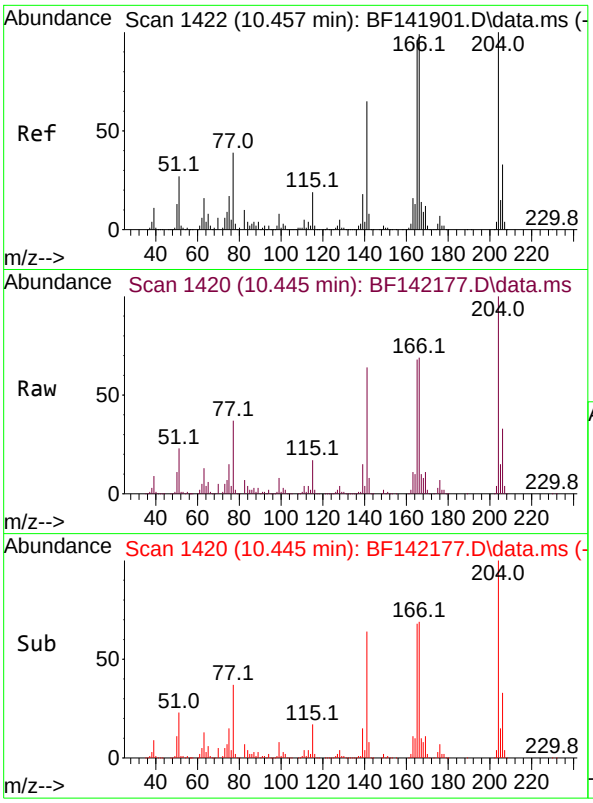


#60
Diethylphthalate
Concen: 51.313 ng
RT: 10.327 min Scan# 1400
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:149 Resp: 1023786

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.0	27.0
150	12.8	10.2	15.4

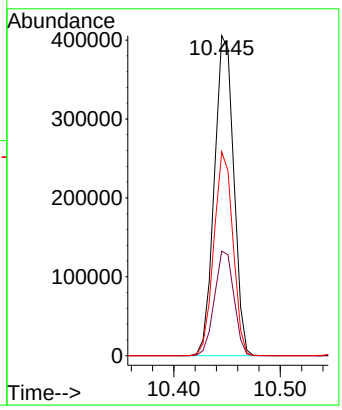




#61
4-Chlorophenyl-phenylether
Concen: 52.797 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:204 Resp: 51185

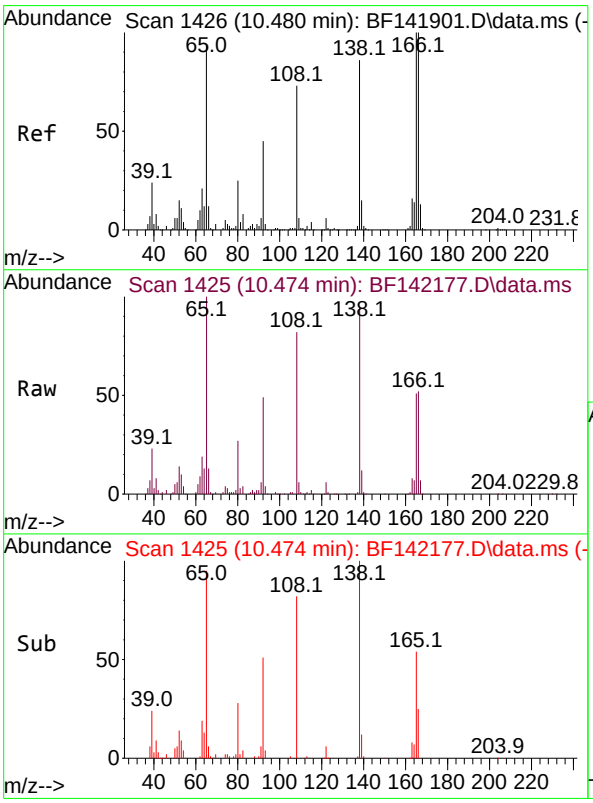
Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.8	40.2
141	63.8	52.4	78.6



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

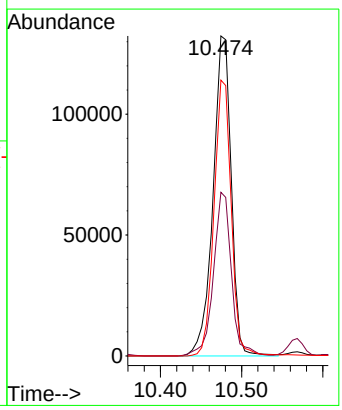
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

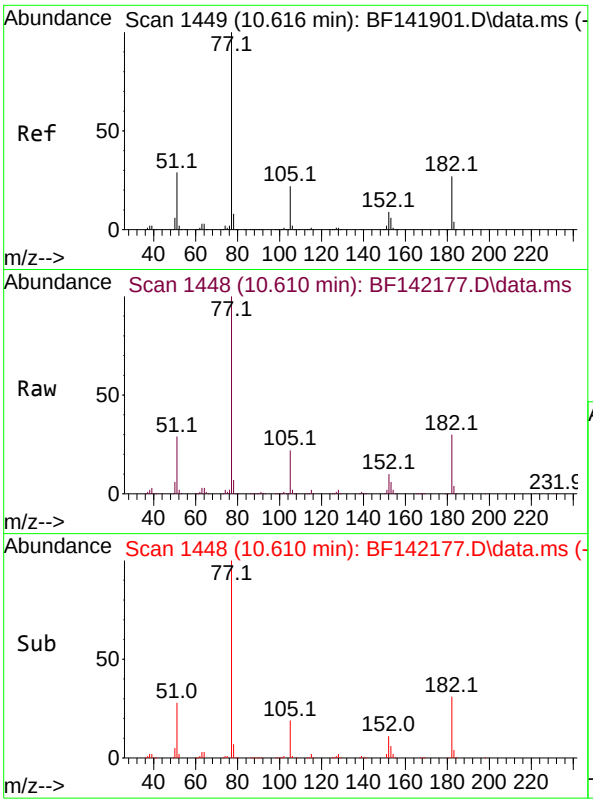


#62
4-Nitroaniline
Concen: 50.245 ng
RT: 10.474 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:138 Resp: 206720

Ion	Ratio	Lower	Upper
138	100		
92	51.1	32.6	72.6
108	86.2	65.0	105.0

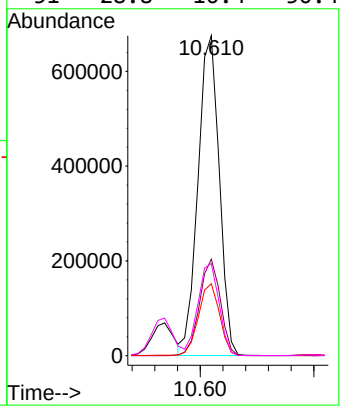




#63
Azobenzene
Concen: 47.368 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 77 Resp: 87864

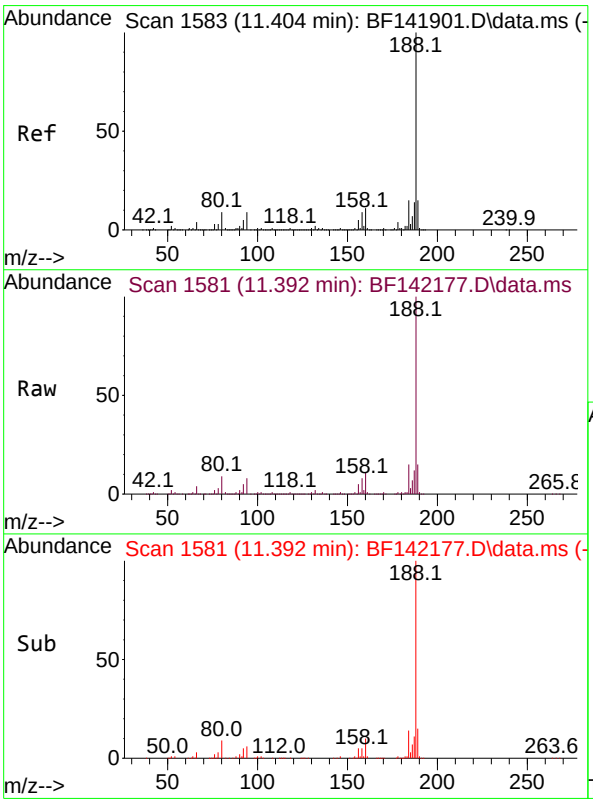
Ion	Ratio	Lower	Upper
77	100		
182	30.2	6.6	46.6
105	22.5	1.3	41.3
51	28.8	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations APPROVED

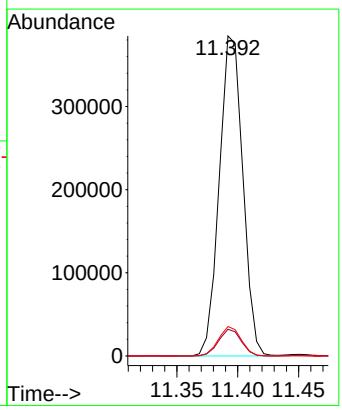
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

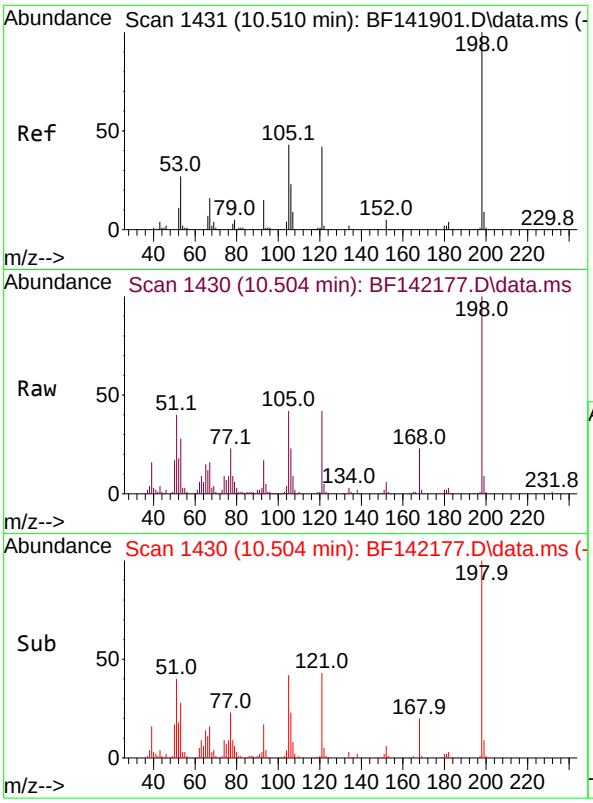


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:188 Resp: 517636

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.8	10.2
80	9.2	7.6	11.4

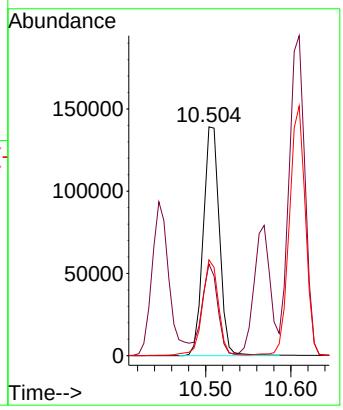




#65
4,6-Dinitro-2-methylphenol
Concen: 59.432 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:198 Resp: 18339

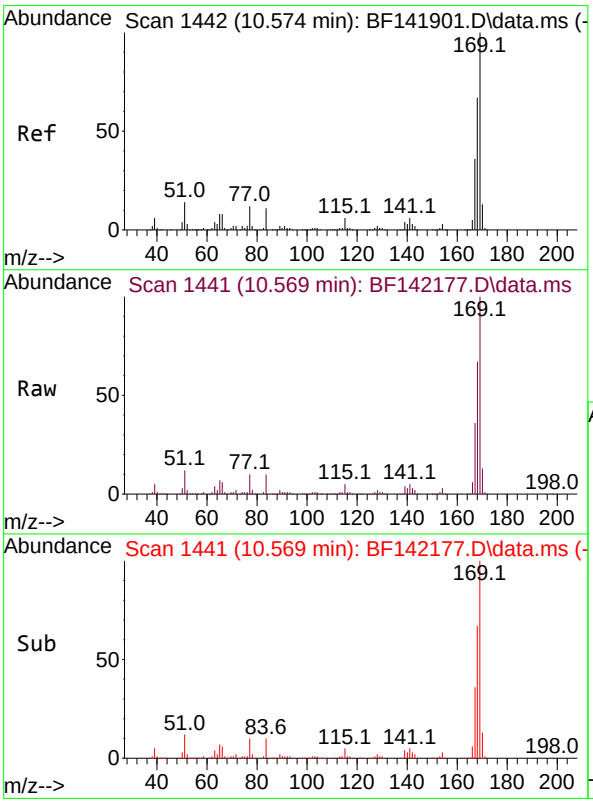
Ion	Ratio	Lower	Upper
198	100		
51	40.1	22.3	62.3
105	41.9	23.0	63.0



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

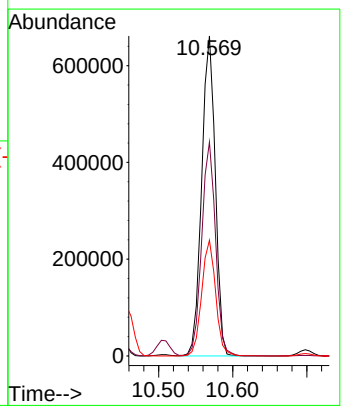
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

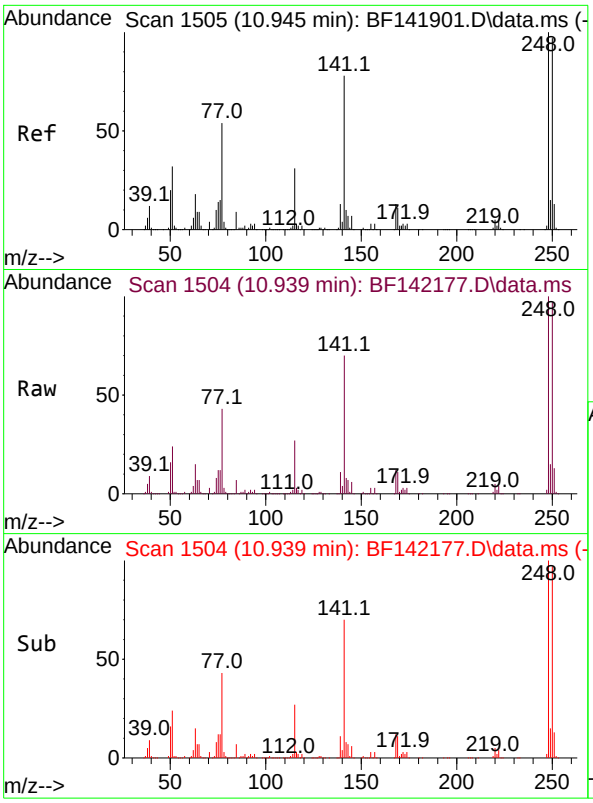


#66
n-Nitrosodiphenylamine
Concen: 50.253 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:169 Resp: 841785

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.7	80.5
167	36.2	29.2	43.8

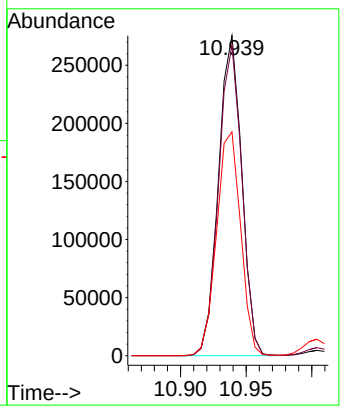




#67
4-Bromophenyl-phenylether
Concen: 52.359 ng
RT: 10.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:248 Resp: 34037

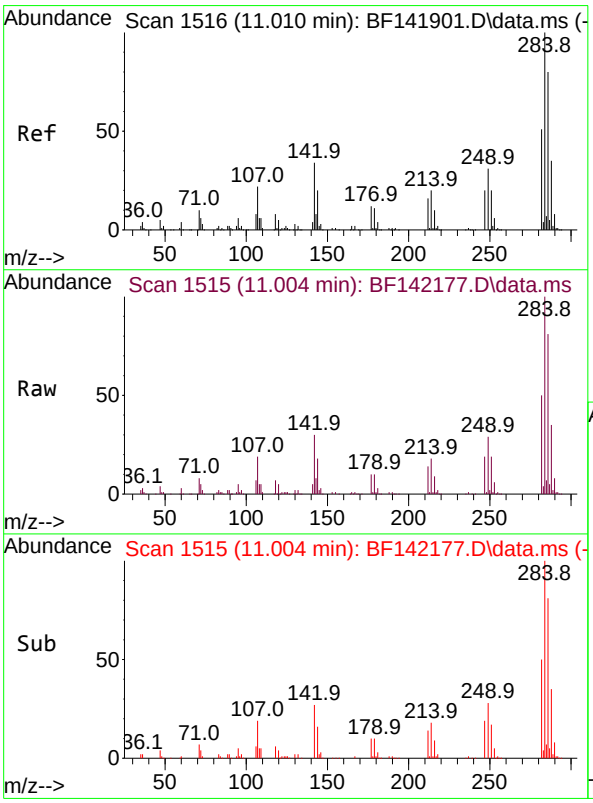
Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.8	116.8
141	69.9	62.6	93.8



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

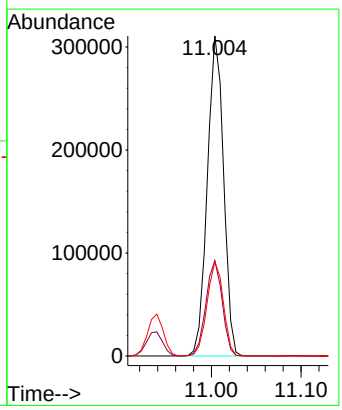
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

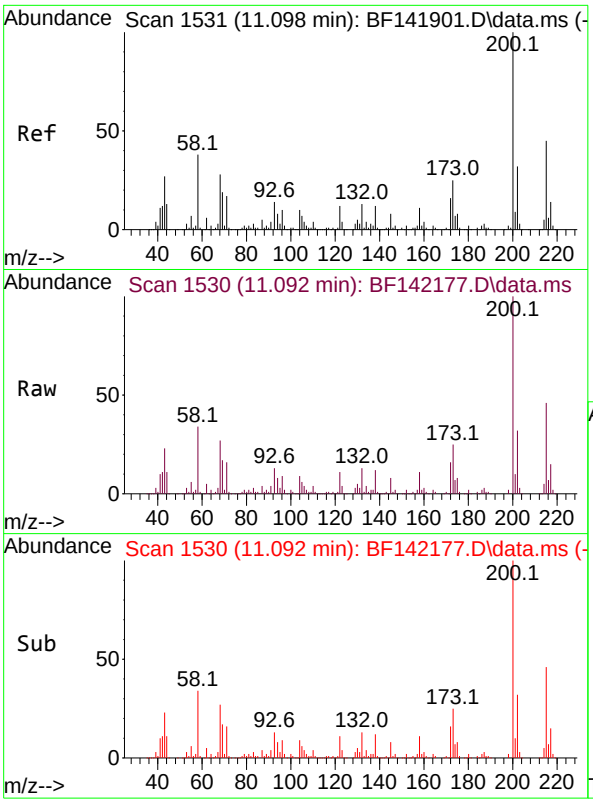


#68
Hexachlorobenzene
Concen: 54.838 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:284 Resp: 390998

Ion	Ratio	Lower	Upper
284	100		
142	29.8	27.0	40.6
249	29.5	25.2	37.8

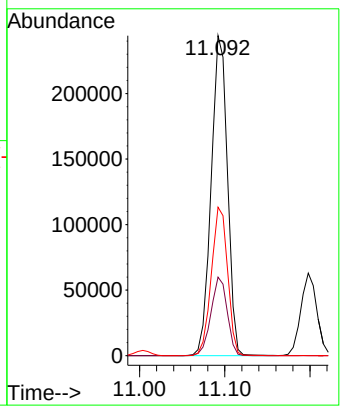




#69
Atrazine
Concen: 63.029 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:200 Resp: 32366

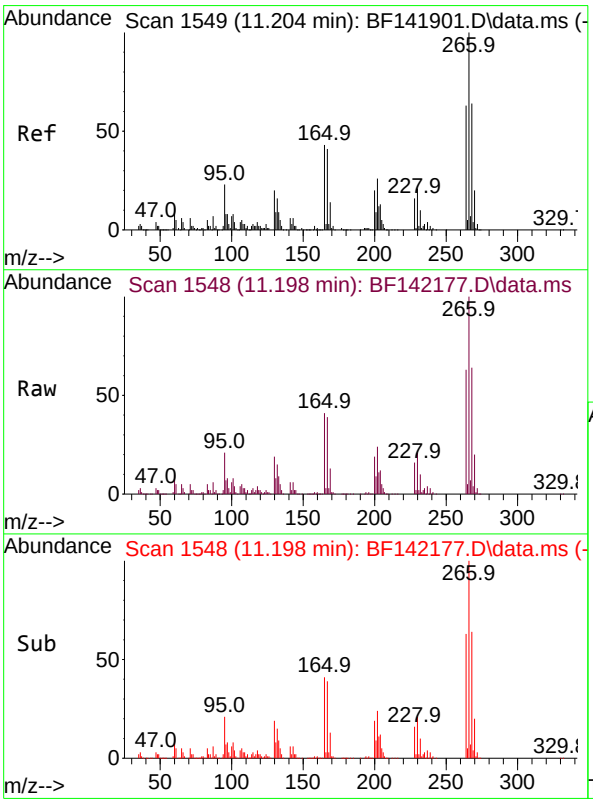
Ion	Ratio	Lower	Upper
200	100		
173	24.6	4.7	44.7
215	46.4	25.4	65.4



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

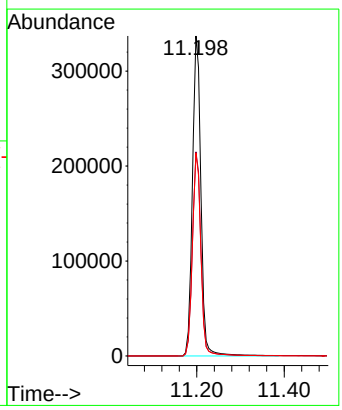
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

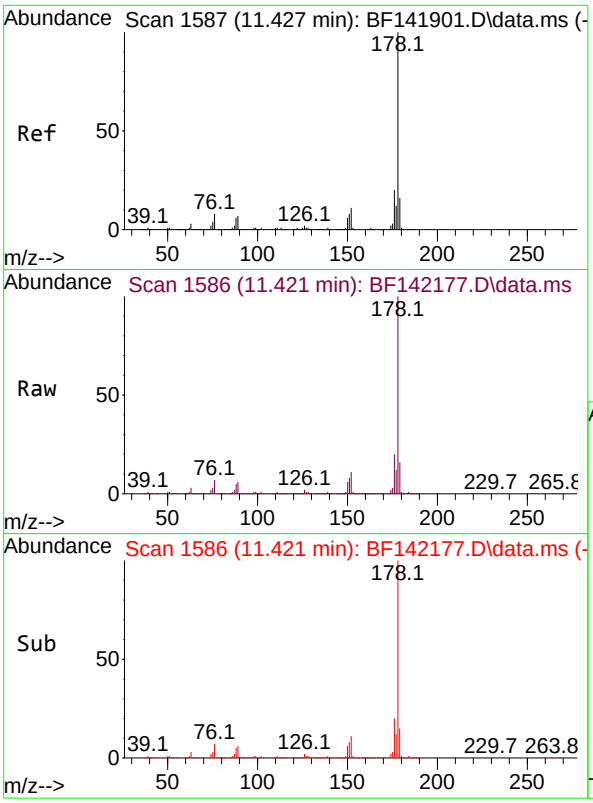


#70
Pentachlorophenol
Concen: 103.768 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:266 Resp: 455852

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.6
264	63.4	50.2	75.2

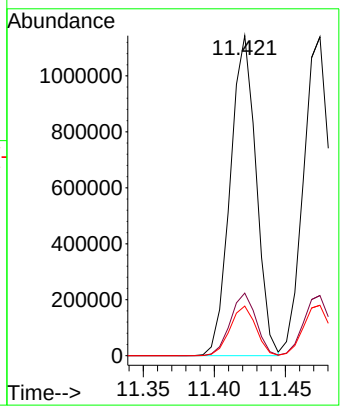




#71
Phenanthrene
Concen: 51.698 ng
RT: 11.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:178 Resp: 144543

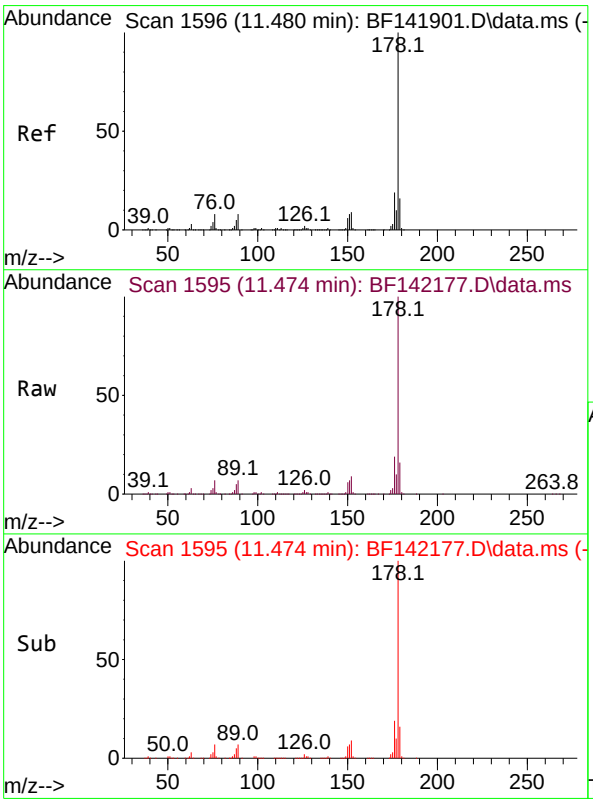
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.5	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

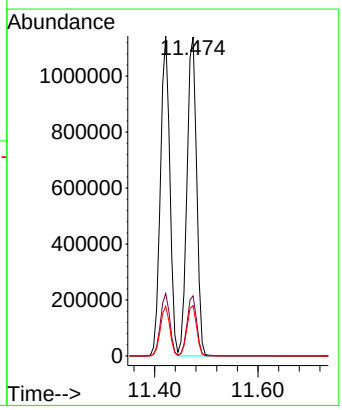
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

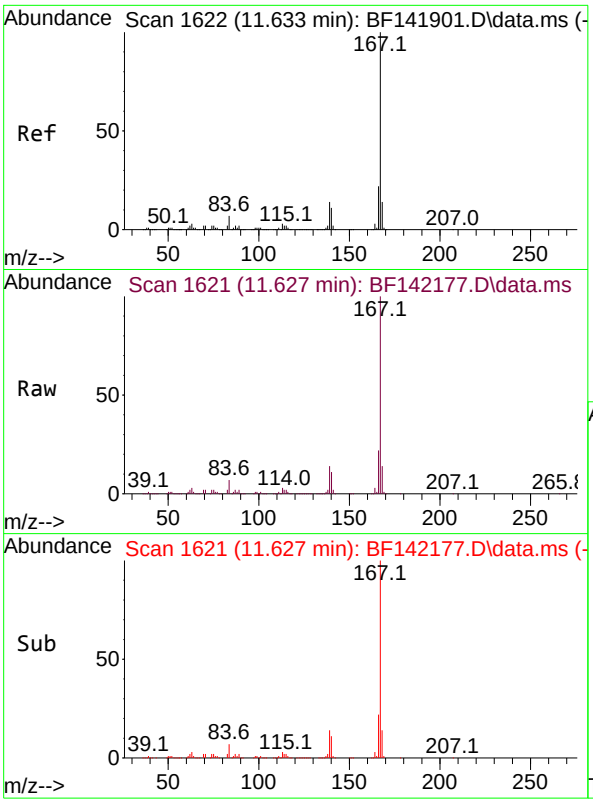


#72
Anthracene
Concen: 52.622 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:178 Resp: 1476065

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.8	12.6	19.0





#73
Carbazole
Concen: 50.610 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

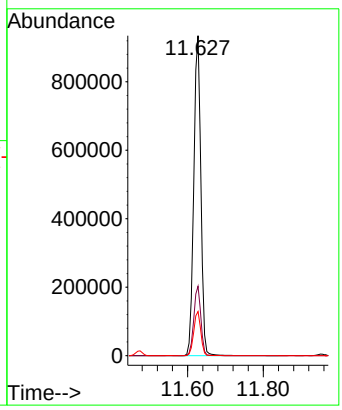
Tgt Ion:167 Resp: 122431

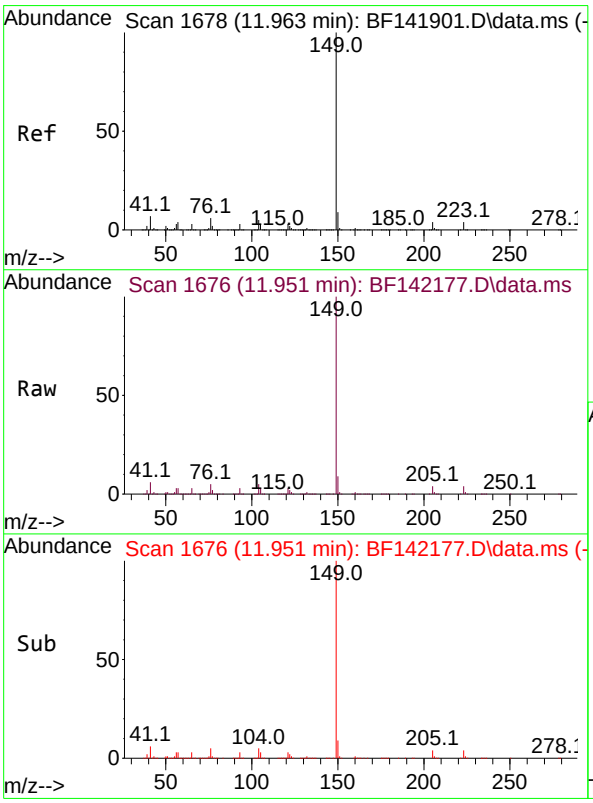
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.4	26.2
139	13.8	11.0	16.6

Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

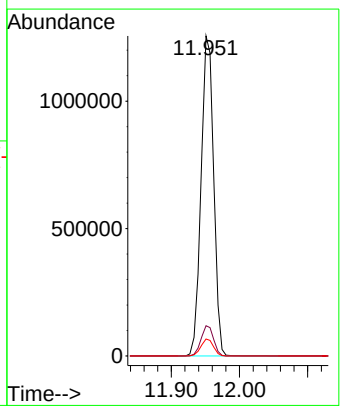


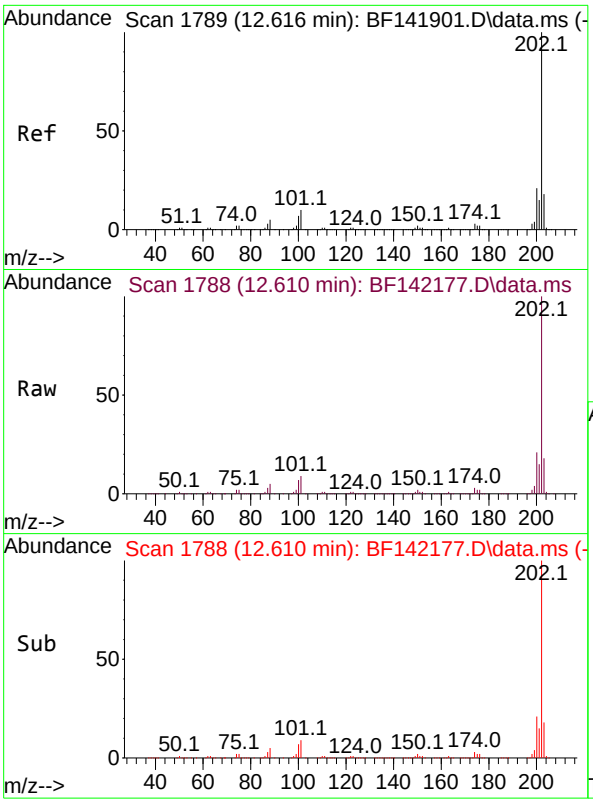


#74
Di-n-butylphthalate
Concen: 50.215 ng
RT: 11.951 min Scan# 1676
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:149 Resp: 1611821

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.6	11.4
104	5.3	4.4	6.6

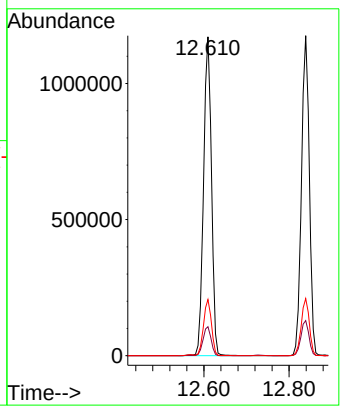




#75
Fluoranthene
Concen: 50.887 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:202 Resp: 150922

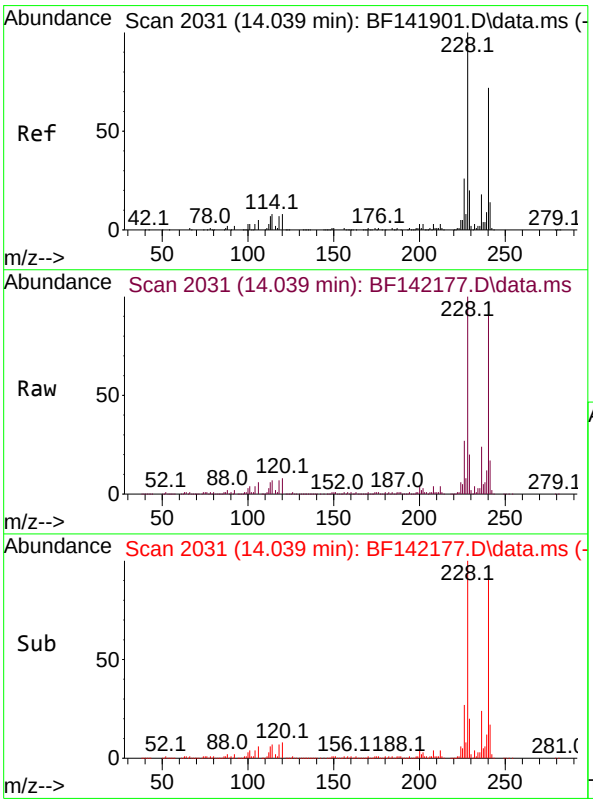
Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	29.7
203	17.6	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

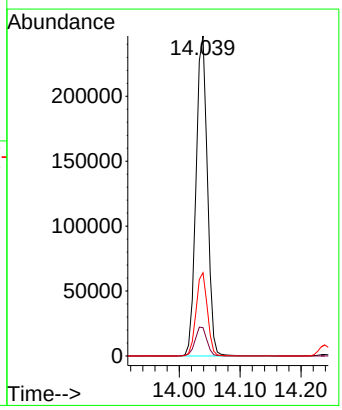
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

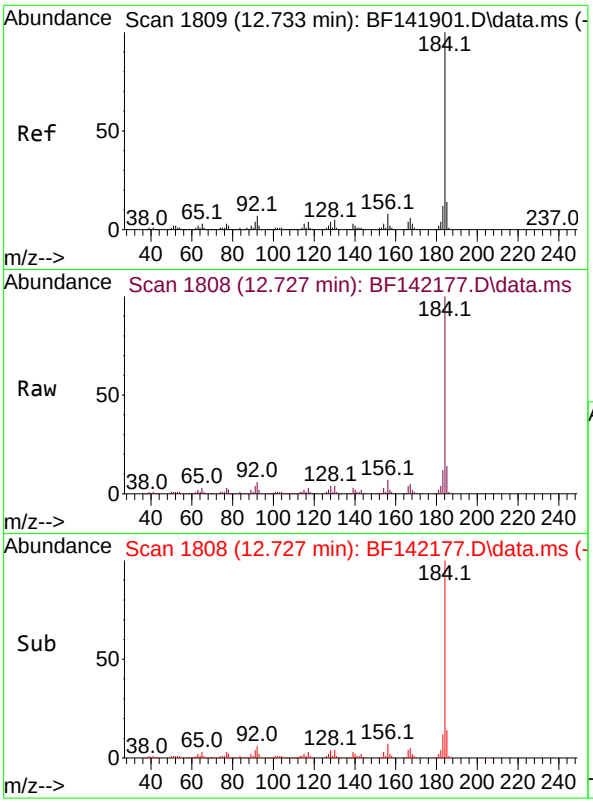


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:240 Resp: 319787

Ion	Ratio	Lower	Upper
240	100		
120	8.9	8.4	12.6
236	26.0	20.5	30.7

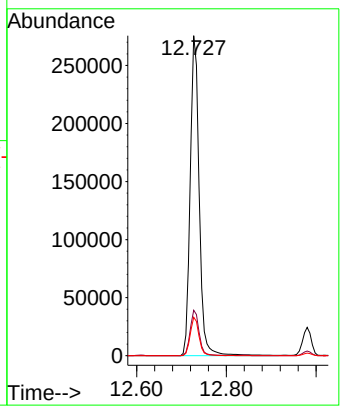




#77
Benzidine
Concen: 85.958 ng
RT: 12.727 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:184 Resp: 38351

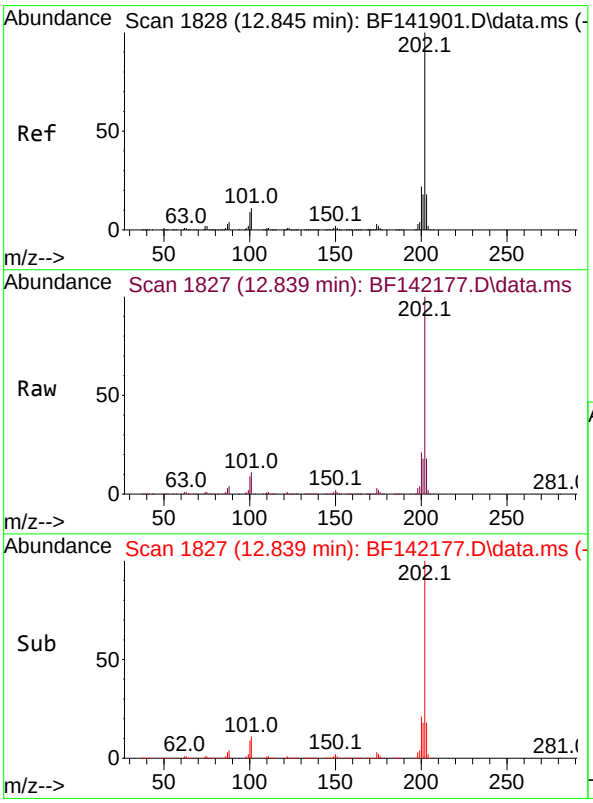
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.5	17.3
183	12.0	9.7	14.5



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

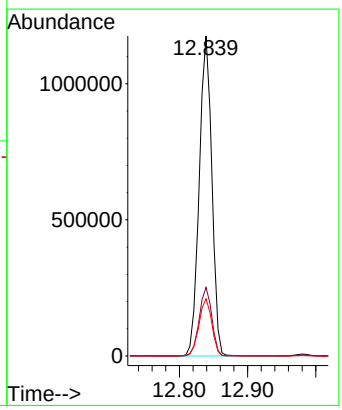
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

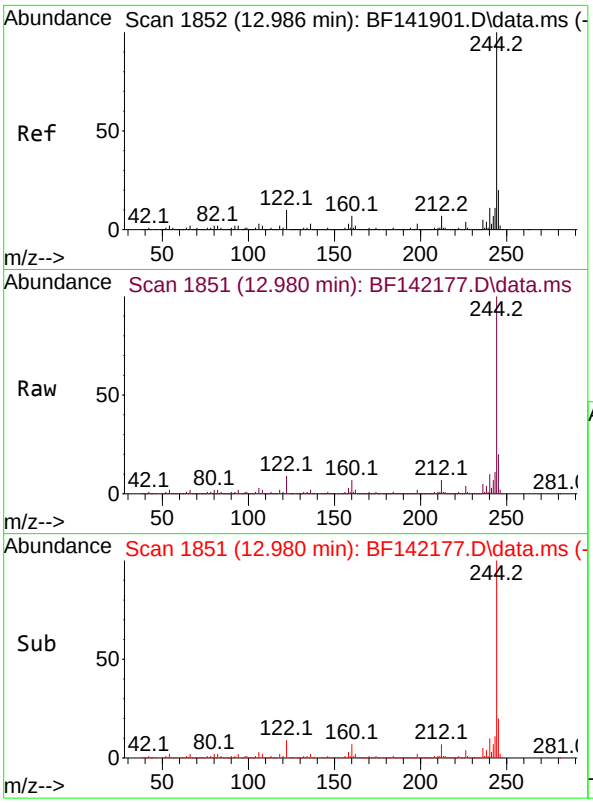


#78
Pyrene
Concen: 54.555 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:202 Resp: 1509100

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.3	25.9
203	17.8	14.4	21.6

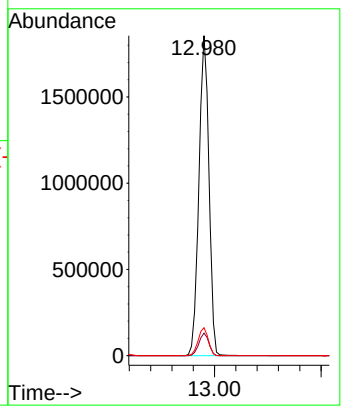




#79
Terphenyl-d14
Concen: 112.127 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:244 Resp: 242529

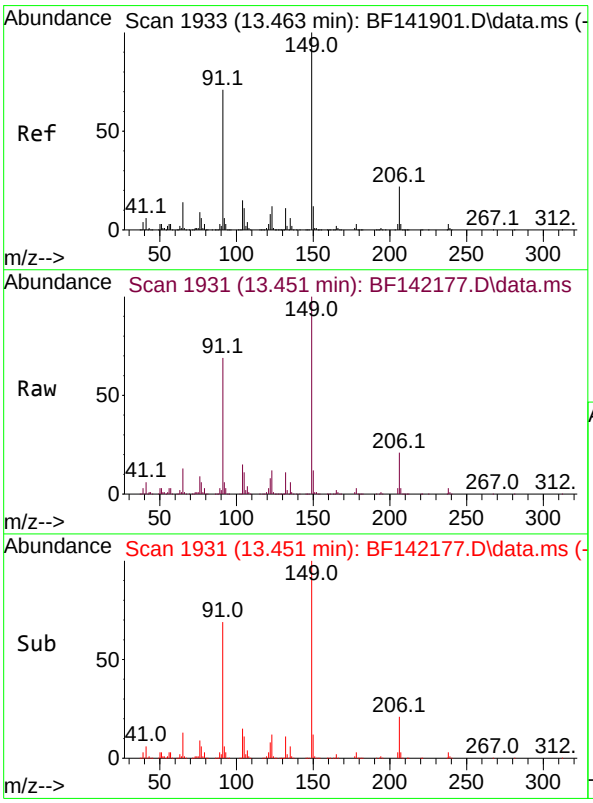
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	8.7	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations APPROVED

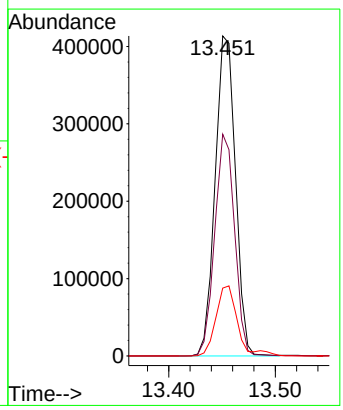
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

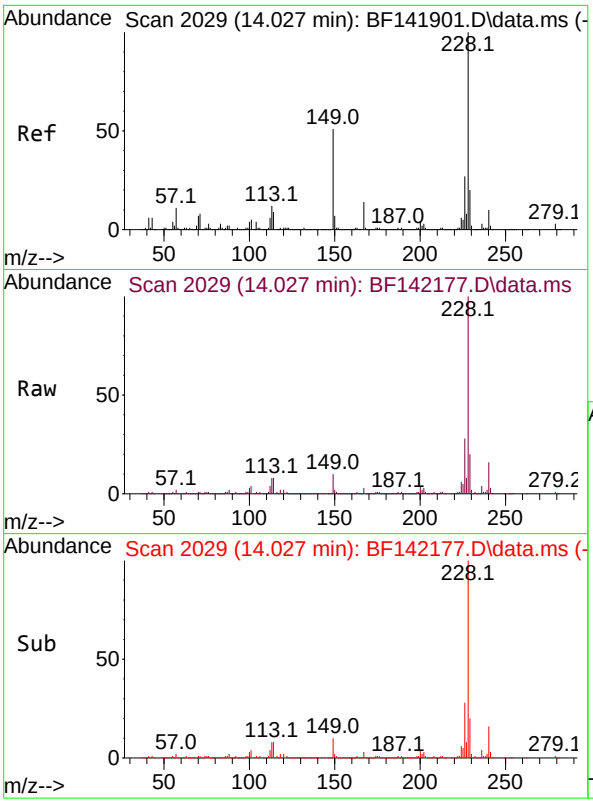


#80
Butylbenzylphthalate
Concen: 50.573 ng
RT: 13.451 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:149 Resp: 547547

Ion	Ratio	Lower	Upper
149	100		
91	69.3	56.5	84.7
206	21.2	17.3	25.9

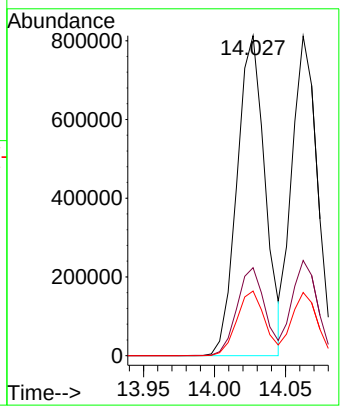




#81
Benzo(a)anthracene
Concen: 53.292 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

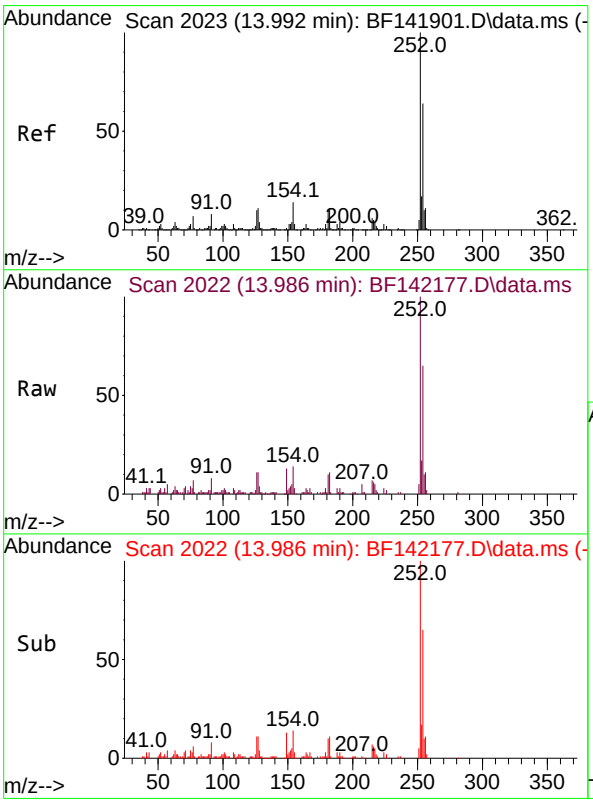
Tgt Ion:228 Resp: 111830

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.8	32.8
229	20.2	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
PB167369BS

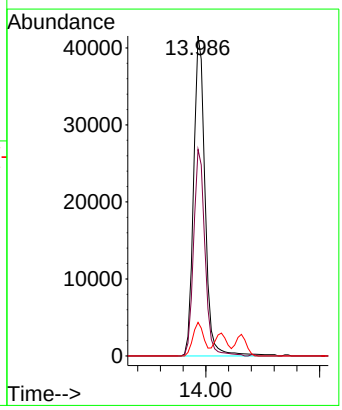
Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

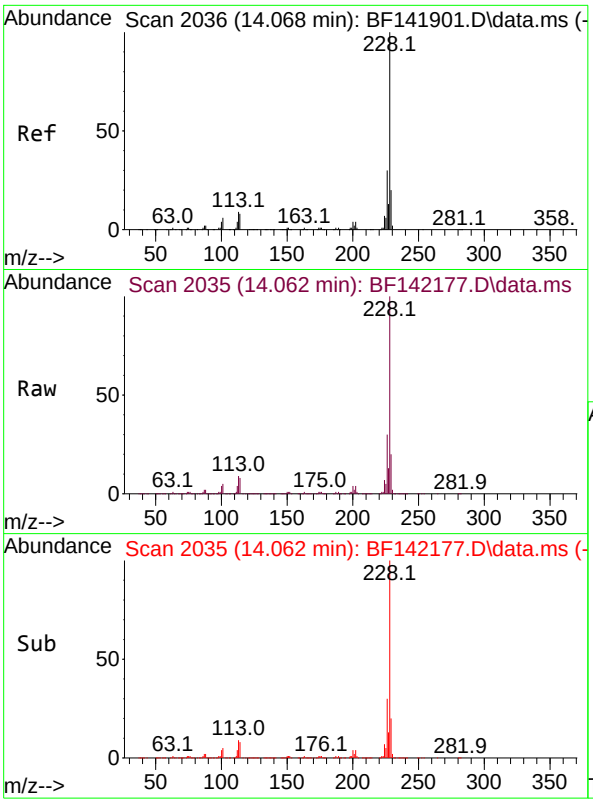


#82
3,3'-Dichlorobenzidine
Concen: 9.661 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:252 Resp: 58588

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.0	76.6
126	10.5	8.4	12.6

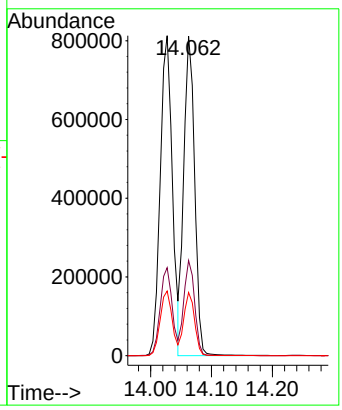




#83
Chrysene
Concen: 52.982 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:228 Resp: 100781

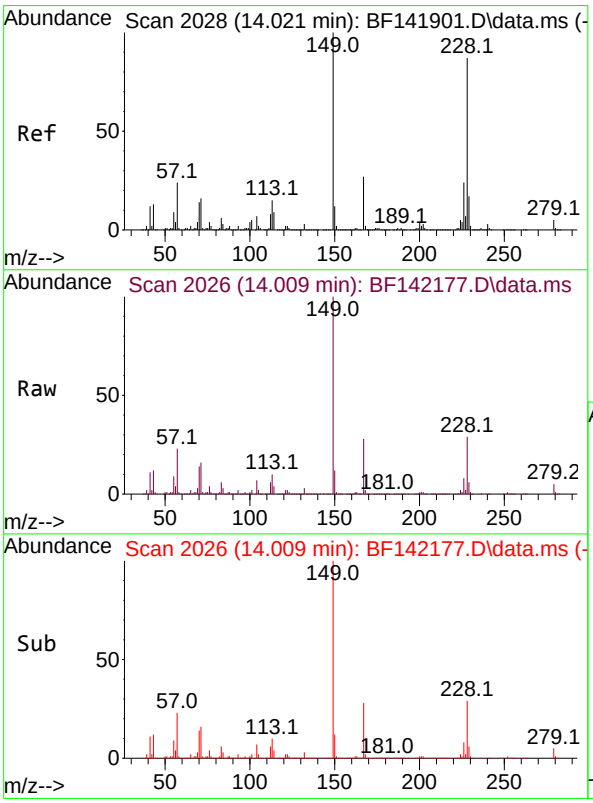
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.8	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

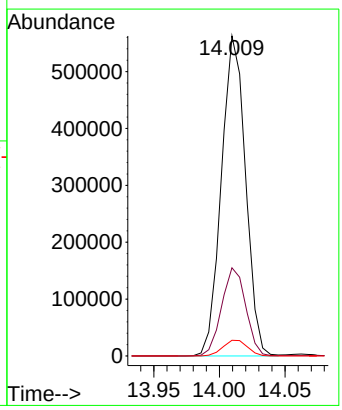
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

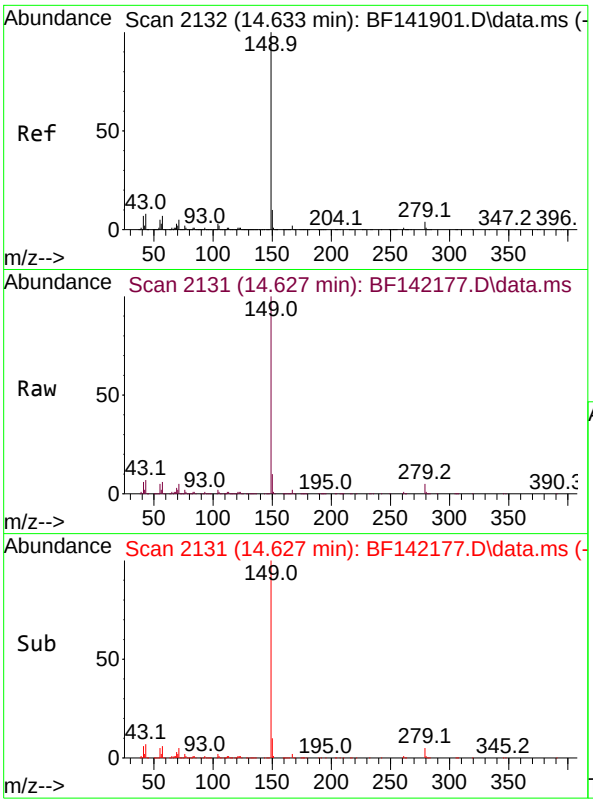


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.258 ng
RT: 14.009 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:149 Resp: 720391

Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.4	32.0
279	4.9	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 52.280 ng
RT: 14.627 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

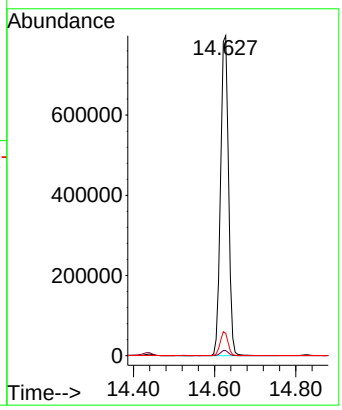
Tgt Ion:149 Resp: 108591

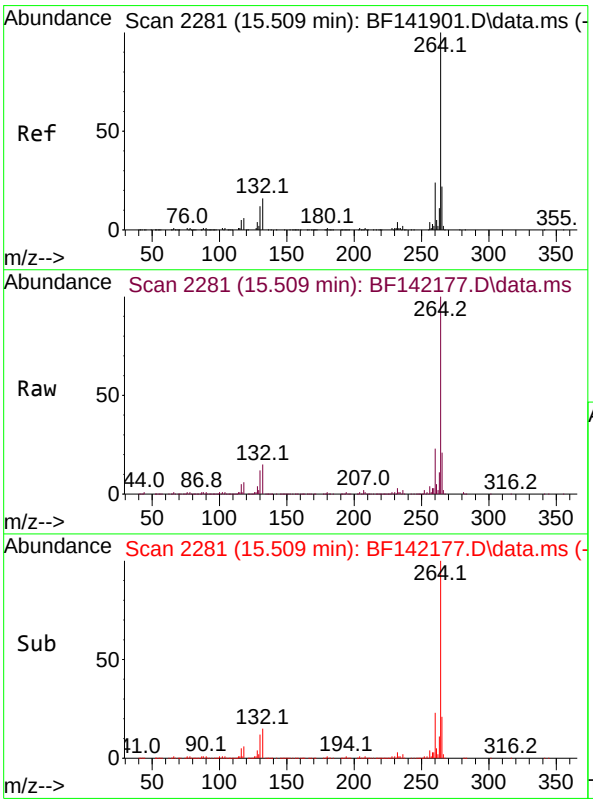
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	7.3	6.9	10.3

Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

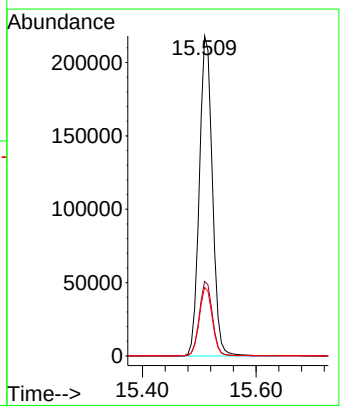


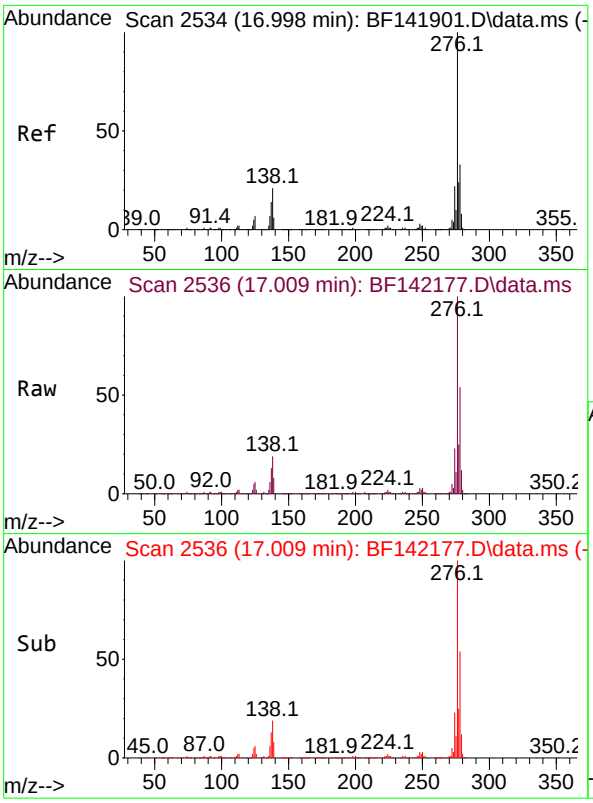


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:264 Resp: 347760

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.1	28.7
265	21.4	17.5	26.3

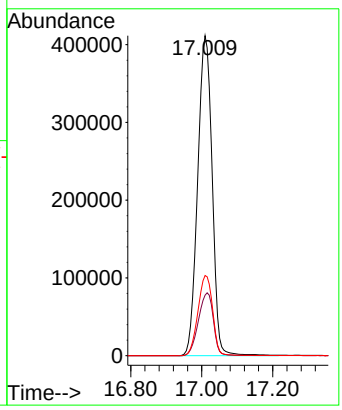




#87
Indeno(1,2,3-cd)pyrene
Concen: 51.906 ng
RT: 17.009 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:276 Resp: 116768

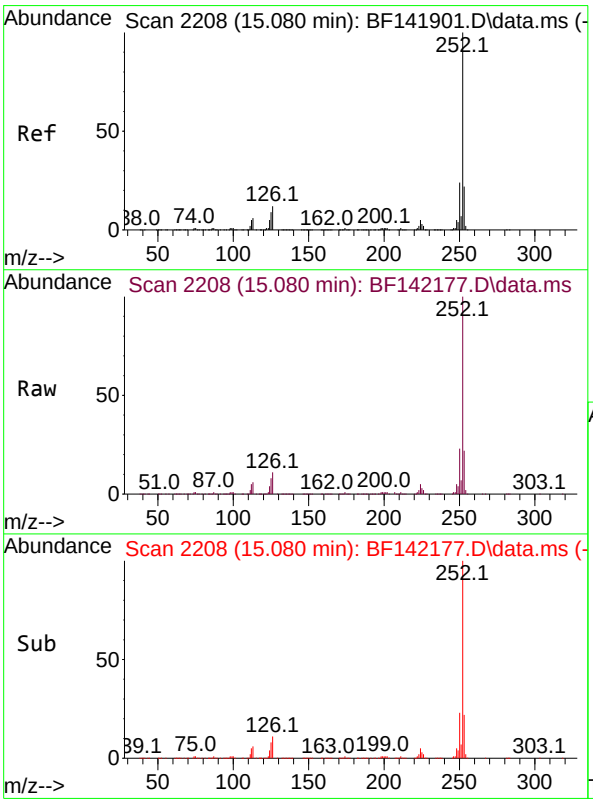
Ion	Ratio	Lower	Upper
276	100		
138	20.3	18.4	27.6
277	25.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations APPROVED

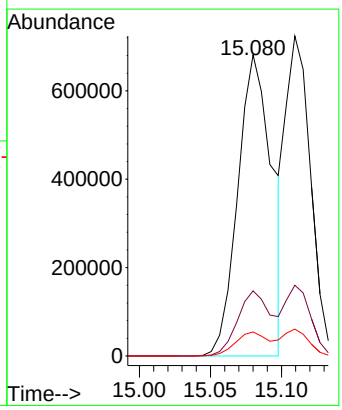
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

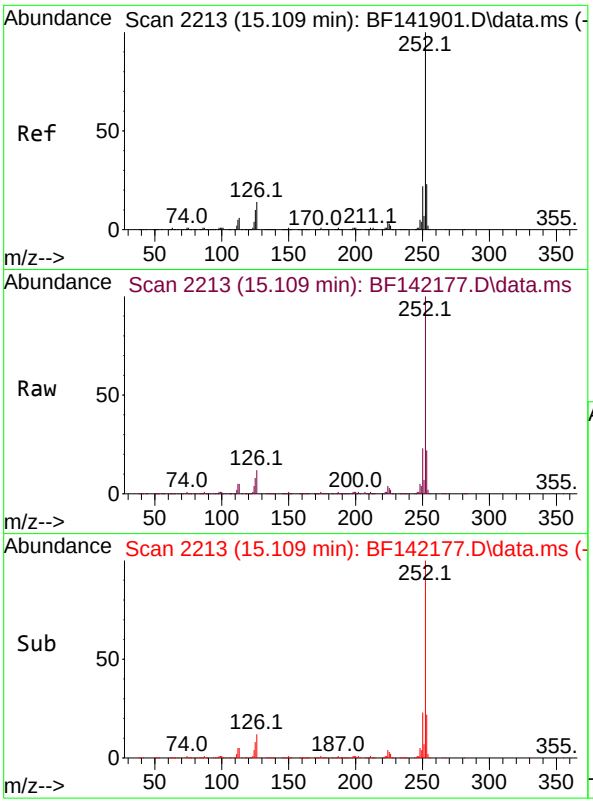


#88
Benzo(b)fluoranthene
Concen: 47.816 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:252 Resp: 1139652

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	8.0	7.0	10.4

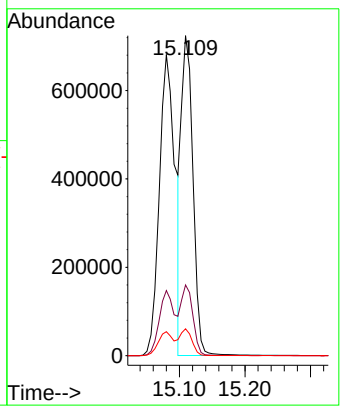




#89
Benzo(k)fluoranthene
Concen: 43.924 ng
RT: 15.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:252 Resp: 89590

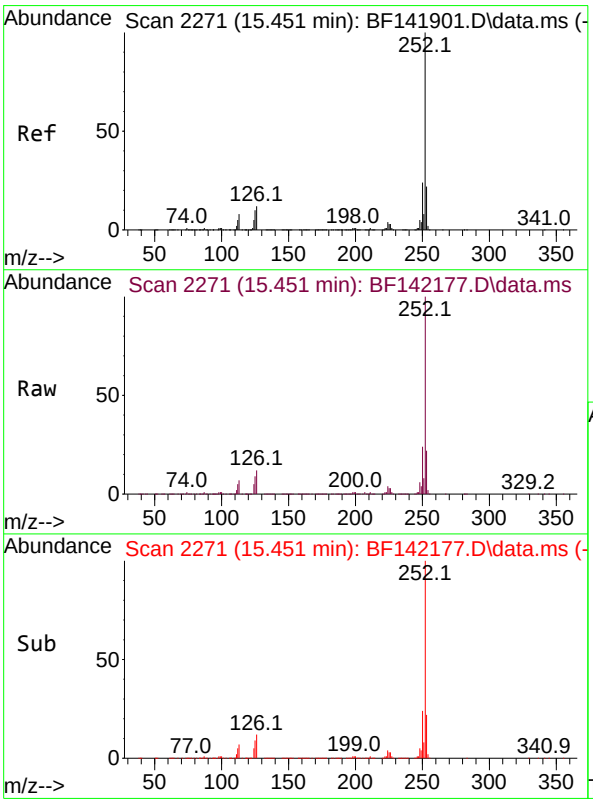
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	8.4	7.2	10.8



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations
APPROVED

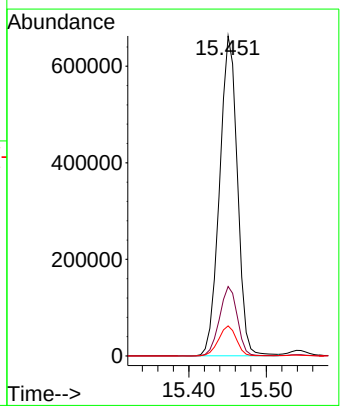
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

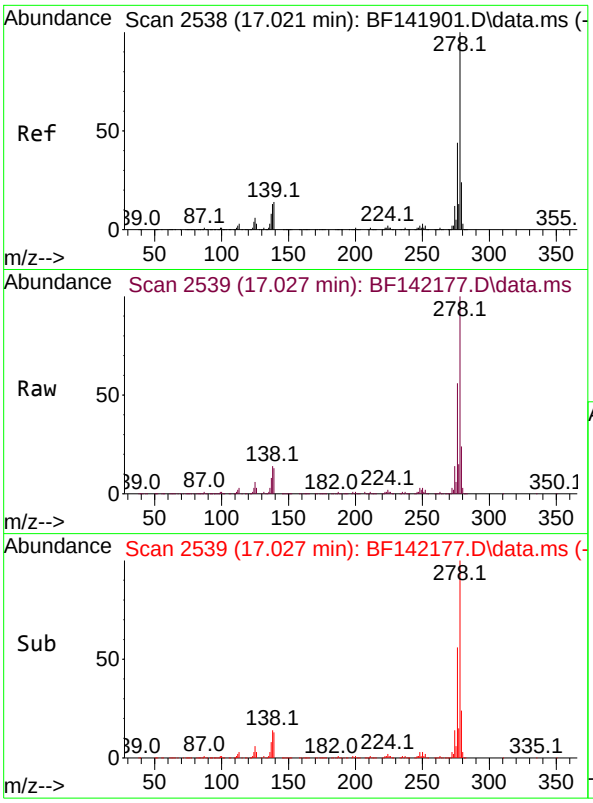


#90
Benzo(a)pyrene
Concen: 56.770 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.000 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:252 Resp: 1058724

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	9.4	7.8	11.8

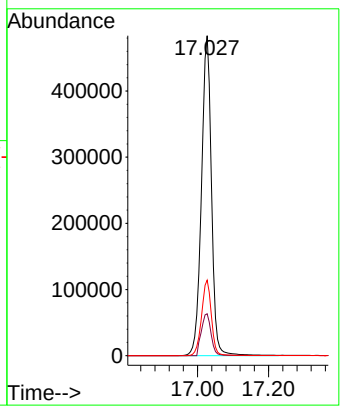




#91
Dibenzo(a,h)anthracene
Concen: 51.323 ng
RT: 17.027 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:278 Resp: 95260

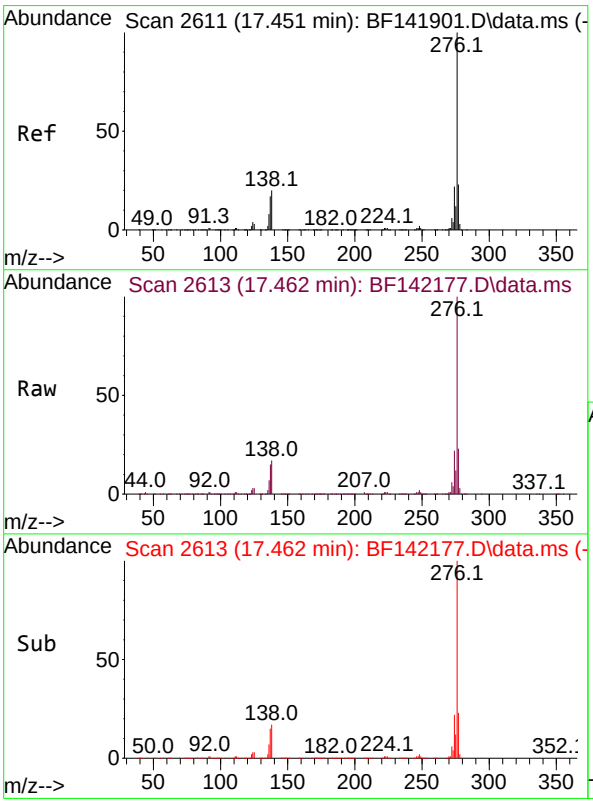
Ion	Ratio	Lower	Upper
278	100		
139	13.1	11.4	17.2
279	23.6	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
PB167369BS

Manual Integrations APPROVED

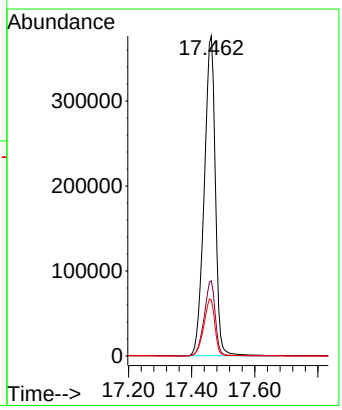
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#92
Benzo(g,h,i)perylene
Concen: 50.095 ng
RT: 17.462 min Scan# 2613
Delta R.T. 0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:276 Resp: 918852

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	17.5	15.8	23.8



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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MS	SDG No.:	Q1664
Lab Sample ID:	Q1664-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049797.D	1	03/28/25 09:40	04/02/25 19:18	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	2000		170	360	ug/Kg
108-95-2	Phenol	2000		24.1	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		26.4	190	ug/Kg
95-57-8	2-Chlorophenol	2000		26.6	190	ug/Kg
95-48-7	2-Methylphenol	2100		32.5	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2000		40.8	190	ug/Kg
98-86-2	Acetophenone	1900		32.1	190	ug/Kg
65794-96-9	3+4-Methylphenols	2100		44.7	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2000		51.6	87.1	ug/Kg
67-72-1	Hexachloroethane	1900		19.2	190	ug/Kg
98-95-3	Nitrobenzene	1900		19.9	190	ug/Kg
78-59-1	Isophorone	2100		35.7	190	ug/Kg
88-75-5	2-Nitrophenol	2000		63.3	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2200		70.5	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		33.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		30.8	190	ug/Kg
91-20-3	Naphthalene	1800		24.7	190	ug/Kg
106-47-8	4-Chloroaniline	600		38.5	190	ug/Kg
87-68-3	Hexachlorobutadiene	1900		27.5	190	ug/Kg
105-60-2	Caprolactam	2100		56.7	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2000		31.2	190	ug/Kg
91-57-6	2-Methylnaphthalene	1700		27.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5800	E	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		21.5	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		31.7	190	ug/Kg
92-52-4	1,1-Biphenyl	1900		23.7	190	ug/Kg
91-58-7	2-Chloronaphthalene	1900		24.5	190	ug/Kg
88-74-4	2-Nitroaniline	2100		52.3	190	ug/Kg
131-11-3	Dimethylphthalate	1900		29.5	190	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MS	SDG No.:	Q1664
Lab Sample ID:	Q1664-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049797.D	1	03/28/25 09:40	04/02/25 19:18	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2000		31.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		36.6	190	ug/Kg
99-09-2	3-Nitroaniline	1200		50.1	190	ug/Kg
83-32-9	Acenaphthene	1800		23.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	250	360	ug/Kg
100-02-7	4-Nitrophenol	4500	E	120	360	ug/Kg
132-64-9	Dibenzofuran	1800		24.7	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		54.5	190	ug/Kg
84-66-2	Diethylphthalate	1900		30.8	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1900		29.1	190	ug/Kg
86-73-7	Fluorene	1900		27.5	190	ug/Kg
100-01-6	4-Nitroaniline	1700		69.9	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		35.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		30.3	190	ug/Kg
118-74-1	Hexachlorobenzene	1900		27.5	190	ug/Kg
1912-24-9	Atrazine	3100	E	37.0	190	ug/Kg
87-86-5	Pentachlorophenol	4300	E	55.8	360	ug/Kg
85-01-8	Phenanthrene	2000		22.7	190	ug/Kg
120-12-7	Anthracene	2000		36.2	190	ug/Kg
86-74-8	Carbazole	2000		34.0	190	ug/Kg
84-74-2	Di-n-butylphthalate	2100		52.1	190	ug/Kg
206-44-0	Fluoranthene	2100		32.6	190	ug/Kg
129-00-0	Pyrene	1800		39.2	190	ug/Kg
85-68-7	Butylbenzylphthalate	2100		77.7	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		39.9	360	ug/Kg
56-55-3	Benzo(a)anthracene	1900		25.0	190	ug/Kg
218-01-9	Chrysene	1900		21.7	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		64.4	190	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		94.5	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		20.7	190	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MS	SDG No.:	Q1664
Lab Sample ID:	Q1664-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049797.D	1	03/28/25 09:40	04/02/25 19:18	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1900		24.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	2100		32.1	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		31.7	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2100		29.8	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		28.0	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		27.9	190	ug/Kg
123-91-1	1,4-Dioxane	1600		49.2	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		29.8	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	98.7		18 - 112	66%	SPK: 150
13127-88-3	Phenol-d6	114		15 - 107	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.6		18 - 107	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.9		20 - 109	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.6		10 - 116	58%	SPK: 150
1718-51-0	Terphenyl-d14	79.0		10 - 105	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	290000	7.786			
1146-65-2	Naphthalene-d8	1000000	10.58			
15067-26-2	Acenaphthene-d10	625000	14.427			
1517-22-2	Phenanthrene-d10	1190000	17.168			
1719-03-5	Chrysene-d12	1310000	21.403			
1520-96-3	Perylene-d12	1260000	24.403			

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\BM040225\
Data File : BM049797.D
Acq On : 02 Apr 2025 19:18
Operator : RC/JU
Sample : Q1664-02MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Quant Time: Apr 03 00:48:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.786	152	289891	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	1002529	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	624668	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1190364	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1305132	20.000	ng	-0.02
86) Perylene-d12	24.403	264	1260592	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1696210	98.729	ng	-0.02
7) Phenol-d6	6.963	99	2456804	113.949	ng	-0.02
23) Nitrobenzene-d5	8.945	82	1553440	79.555	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	639003	87.604	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	3835452	76.896	ng	-0.02
79) Terphenyl-d14	19.792	244	6114689	78.950	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.269	88	331972	44.636	ng	99
3) Pyridine	3.669	79	910806	47.952	ng	99
4) n-Nitrosodimethylamine	3.575	42	424496	50.510	ng	97
6) Aniline	7.110	93	641150	35.495	ng	99
8) 2-Chlorophenol	7.351	128	918525	53.988	ng	99
9) Benzaldehyde	6.922	77	596604	55.973	ng	99
10) Phenol	6.987	94	1153490	55.175	ng	99
11) bis(2-Chloroethyl)ether	7.210	93	900879	53.214	ng	98
12) 1,3-Dichlorobenzene	7.675	146	1072052	51.850	ng	98
13) 1,4-Dichlorobenzene	7.822	146	1079874	51.771	ng	99
14) 1,2-Dichlorobenzene	8.139	146	1030492	51.983	ng	99
15) Benzyl Alcohol	8.028	79	759886	56.162	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.316	45	1111528	55.863	ng	99
17) 2-Methylphenol	8.234	107	709687	57.178	ng	100
18) Hexachloroethane	8.869	117	388088	52.686	ng	96
19) n-Nitroso-di-n-propyla...	8.598	70	700479	56.029	ng	100
20) 3+4-Methylphenols	8.563	107	962340	57.856	ng	99
22) Acetophenone	8.610	105	1339994	51.838	ng	100
24) Nitrobenzene	8.986	77	980711	53.265	ng	99
25) Isophorone	9.516	82	1766796	58.932	ng	100
26) 2-Nitrophenol	9.698	139	434234	55.411	ng	99
27) 2,4-Dimethylphenol	9.763	122	597465	59.896	ng	97
28) bis(2-Chloroethoxy)met...	9.992	93	1127448	53.394	ng	99
29) 2,4-Dichlorophenol	10.233	162	891632	54.856	ng	97
30) 1,2,4-Trichlorobenzene	10.445	180	1035473	50.918	ng	99
31) Naphthalene	10.633	128	2596639	50.371	ng	99
32) Benzoic acid	9.898	122	477817	56.324	ng	99
33) 4-Chloroaniline	10.739	127	291883	16.591	ng	98
34) Hexachlorobutadiene	10.922	225	642787	51.201	ng	98
35) Caprolactam	11.522	113	216736	57.433	ng	98
36) 4-Chloro-3-methylphenol	11.874	107	785170	56.289	ng	99
37) 2-Methylnaphthalene	12.245	142	1683449	46.702	ng	99
38) 1-Methylnaphthalene	12.469	142	1777920	51.122	ng	99
40) 1,2,4,5-Tetrachloroben...	12.616	216	1200153	52.305	ng	98
41) Hexachlorocyclopentadiene	12.604	237	1361685	160.189	ng	98
43) 2,4,6-Trichlorophenol	12.857	196	712499	55.443	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049797.D
Acq On : 02 Apr 2025 19:18
Operator : RC/JU
Sample : Q1664-02MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Quant Time: Apr 03 00:48:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

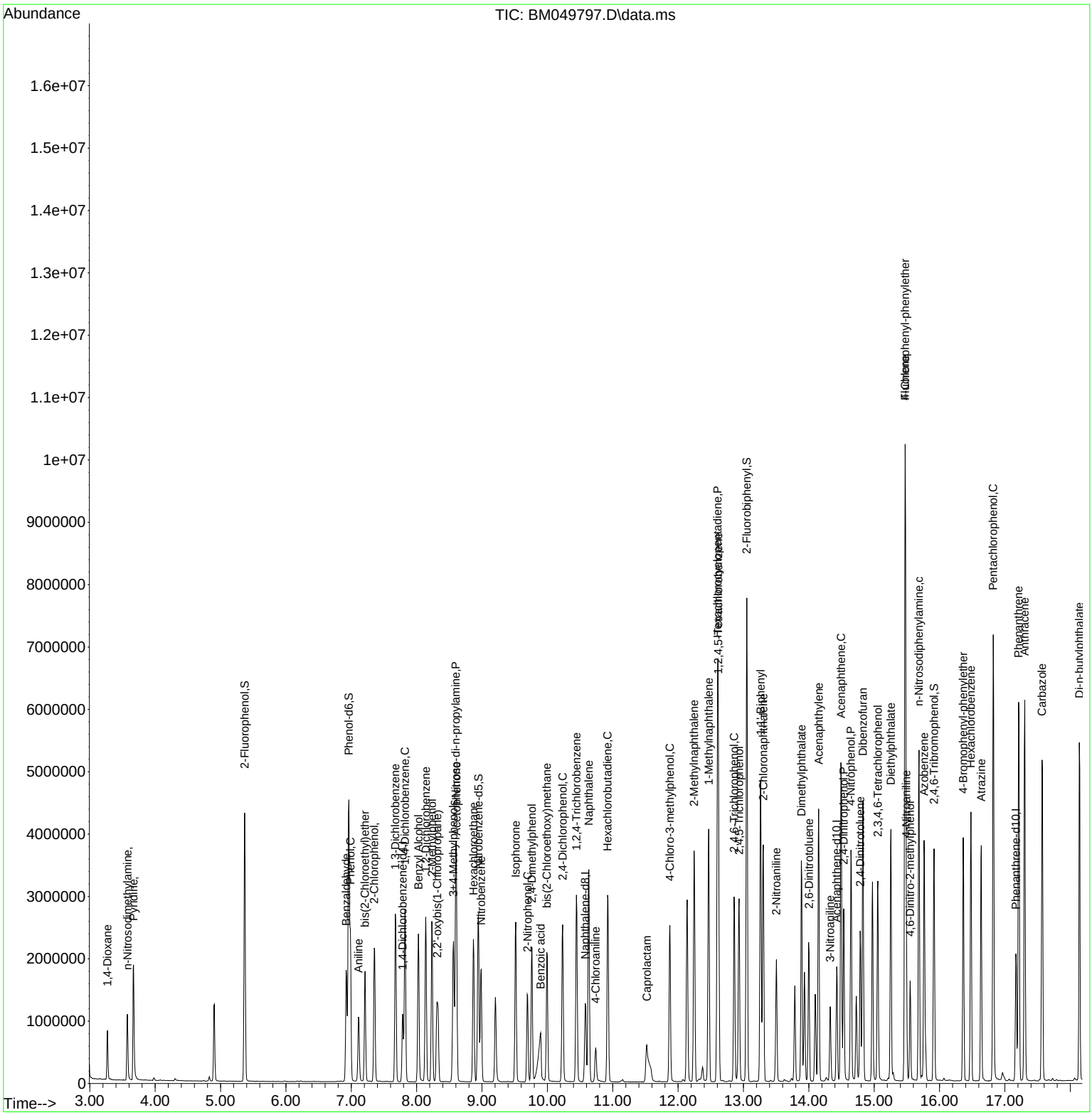
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	777486	55.441	ng	99
46) 1,1'-Biphenyl	13.263	154	2466811	51.238	ng	100
47) 2-Chloronaphthalene	13.304	162	1928046	51.451	ng	98
48) 2-Nitroaniline	13.504	65	484817	57.632	ng	98
49) Acenaphthylene	14.151	152	2941155	56.151	ng	99
50) Dimethylphthalate	13.886	163	2249656	52.308	ng	100
51) 2,6-Dinitrotoluene	14.004	165	469339	54.463	ng	95
52) Acenaphthene	14.492	154	1746477	50.832	ng	98
53) 3-Nitroaniline	14.327	138	275566	33.604	ng	96
54) 2,4-Dinitrophenol	14.533	184	550947	93.863	ng	99
55) Dibenzofuran	14.827	168	2792249	48.772	ng	100
56) 4-Nitrophenol	14.645	139	876762	122.828	ng	99
57) 2,4-Dinitrotoluene	14.786	165	656900	59.240	ng	95
58) Fluorene	15.474	166	2477421	53.149	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.057	232	642639	54.745	ng	99
60) Diethylphthalate	15.257	149	2155789	53.221	ng	99
61) 4-Chlorophenyl-phenyle...	15.474	204	1328231	52.183	ng	97
62) 4-Nitroaniline	15.492	138	458818	47.101	ng	99
63) Azobenzene	15.762	77	2186320	56.508	ng	99
65) 4,6-Dinitro-2-methylph...	15.551	198	341884	51.738	ng	93
66) n-Nitrosodiphenylamine	15.686	169	1925067	53.377	ng	99
67) 4-Bromophenyl-phenylether	16.362	248	726068	52.830	ng	99
68) Hexachlorobenzene	16.480	284	820993	53.122	ng	99
69) Atrazine	16.639	200	681338	85.721	ng	98
70) Pentachlorophenol	16.821	266	1164076	119.856	ng	99
71) Phenanthrene	17.209	178	3600322	54.469	ng	100
72) Anthracene	17.304	178	3548922	55.441	ng	100
73) Carbazole	17.568	167	3225290	55.635	ng	100
74) Di-n-butylphthalate	18.139	149	3712455	58.427	ng	99
75) Fluoranthene	19.227	202	4319512	56.762	ng	100
77) Benzidine	19.409	184	506542	32.305	ng	99
78) Pyrene	19.586	202	4532729	49.710	ng	100
80) Butylbenzylphthalate	20.492	149	1630738	57.628	ng	99
81) Benzo(a)anthracene	21.386	228	4659926	53.455	ng	99
82) 3,3'-Dichlorobenzidine	21.309	252	919581	32.400	ng	98
83) Chrysene	21.450	228	4334970	52.459	ng	99
84) Bis(2-ethylhexyl)phtha...	21.315	149	2555614	57.949	ng	100
85) Di-n-octyl phthalate	22.456	149	4187106	61.085	ng	100
87) Indeno(1,2,3-cd)pyrene	27.791	276	5373215	59.221	ng	100
88) Benzo(b)fluoranthene	23.462	252	4457784	52.503	ng	99
89) Benzo(k)fluoranthene	23.521	252	4453739	53.309	ng	99
90) Benzo(a)pyrene	24.262	252	4149647	58.186	ng	99
91) Dibenzo(a,h)anthracene	27.844	278	4395031	58.140	ng	100
92) Benzo(g,h,i)perylene	28.844	276	4233742	55.602	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049797.D
Acq On : 02 Apr 2025 19:18
Operator : RC/JU
Sample : Q1664-02MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

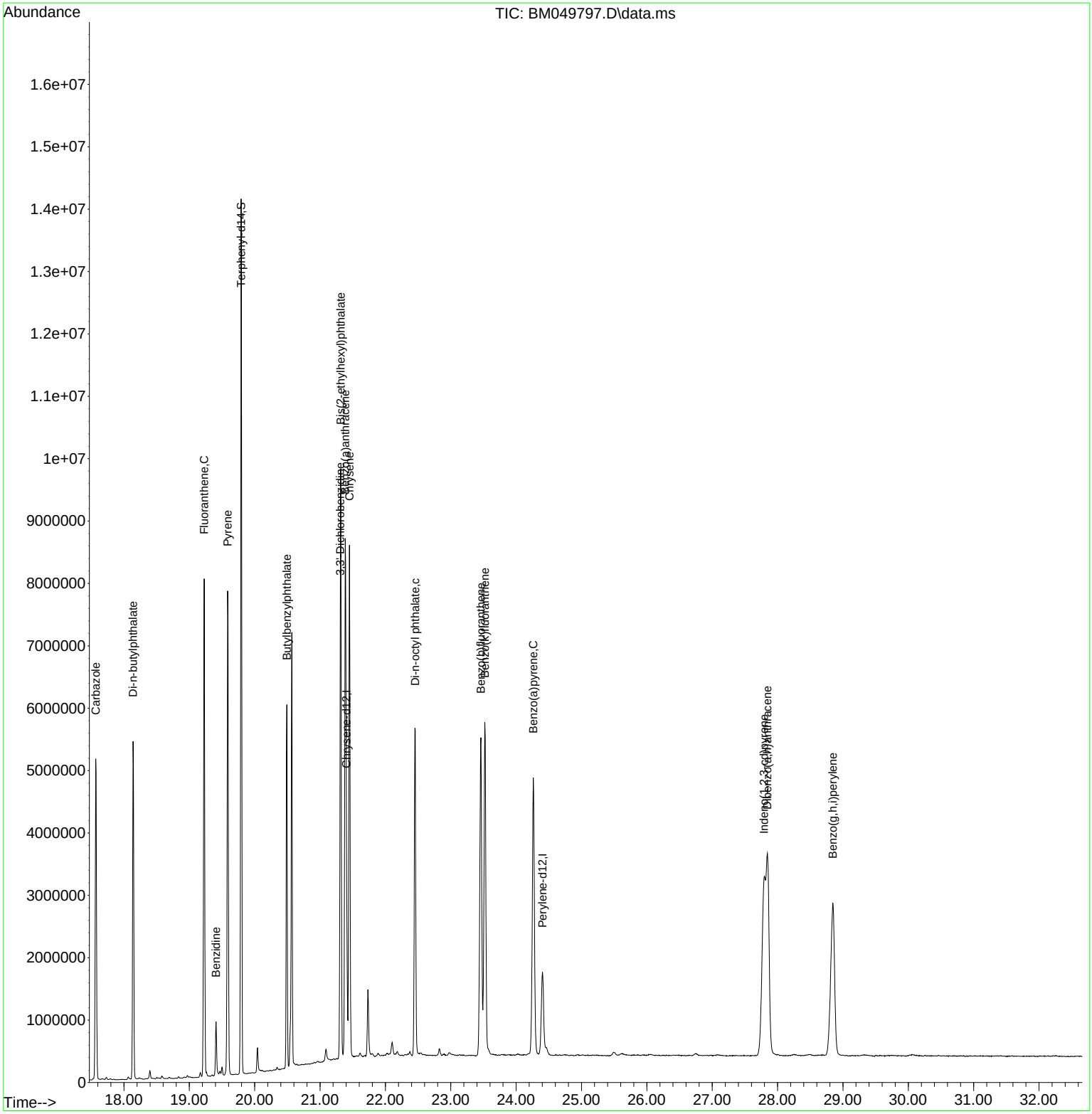
Quant Time: Apr 03 00:48:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

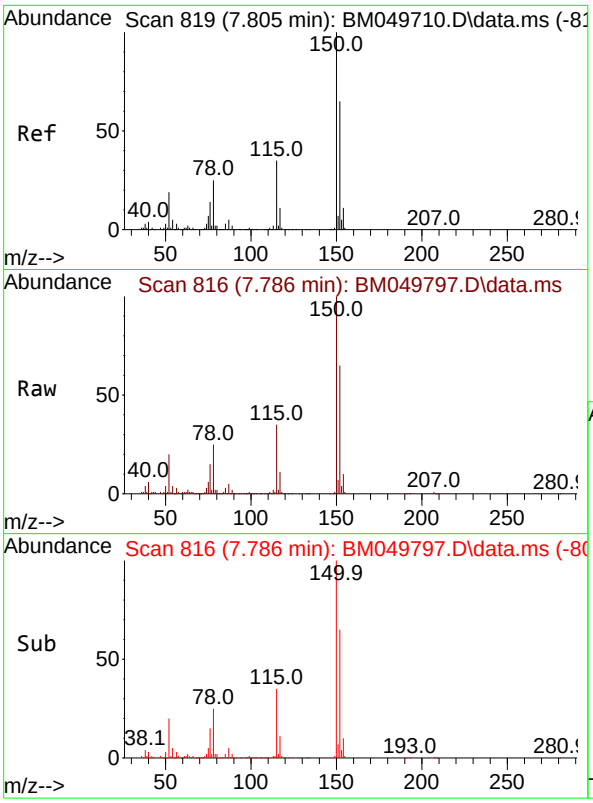


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049797.D
Acq On : 02 Apr 2025 19:18
Operator : RC/JU
Sample : Q1664-02MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Quant Time: Apr 03 00:48:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



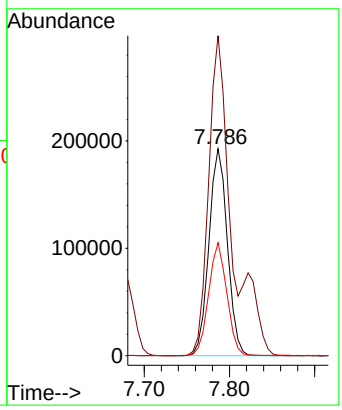


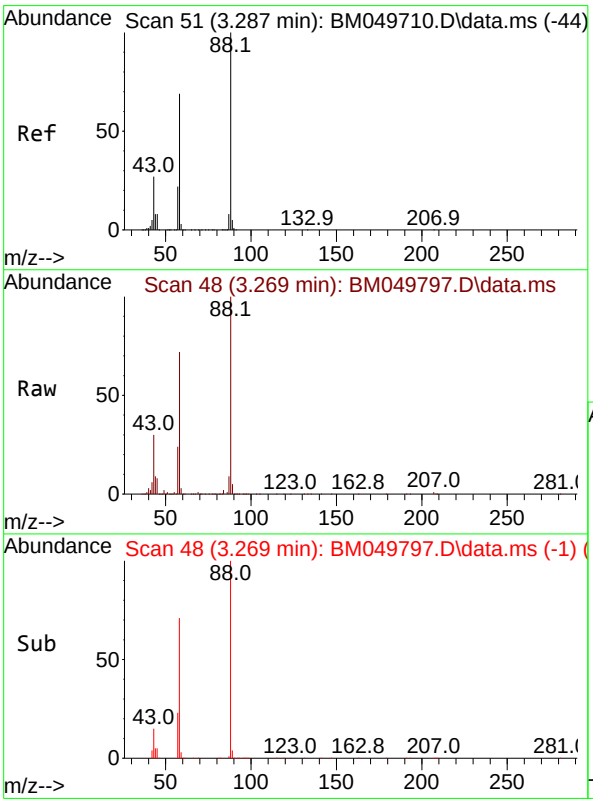
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.786 min Scan# 81
Delta R.T. -0.019 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:152 Resp: 289891

Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.8	185.8
115	54.6	43.0	64.6

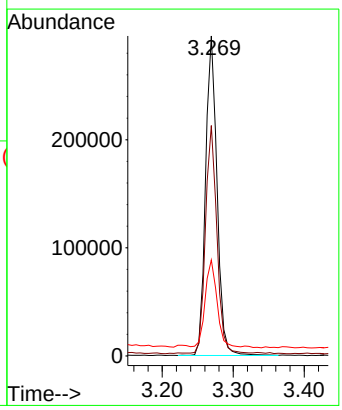


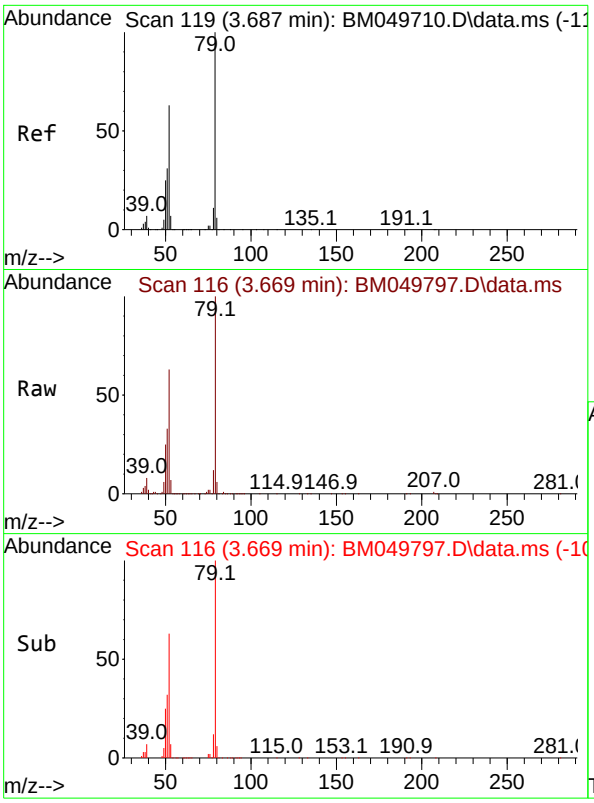


#2
1,4-Dioxane
Concen: 44.636 ng
RT: 3.269 min Scan# 48
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion: 88 Resp: 331972

Ion	Ratio	Lower	Upper
88	100		
58	71.4	56.7	85.1
43	27.6	22.6	34.0



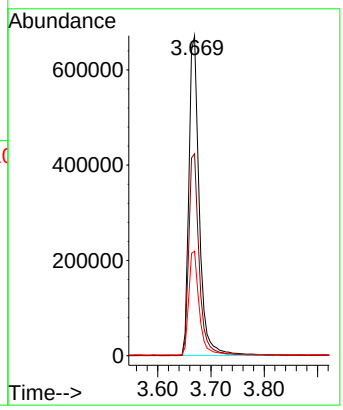


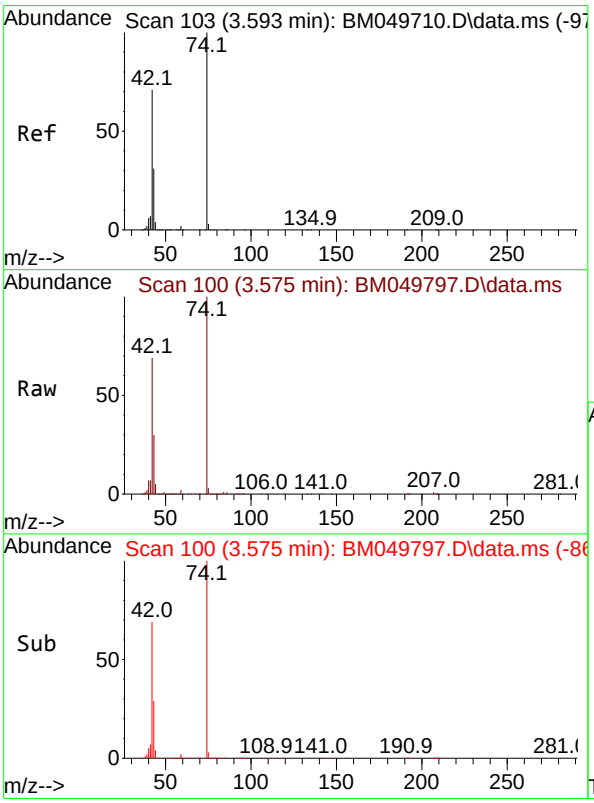
#3
Pyridine
Concen: 47.952 ng
RT: 3.669 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 79 Resp: 910806

Ion	Ratio	Lower	Upper
79	100		
52	63.1	50.1	75.1
51	32.7	25.2	37.8

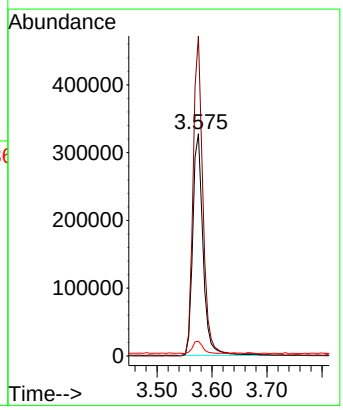


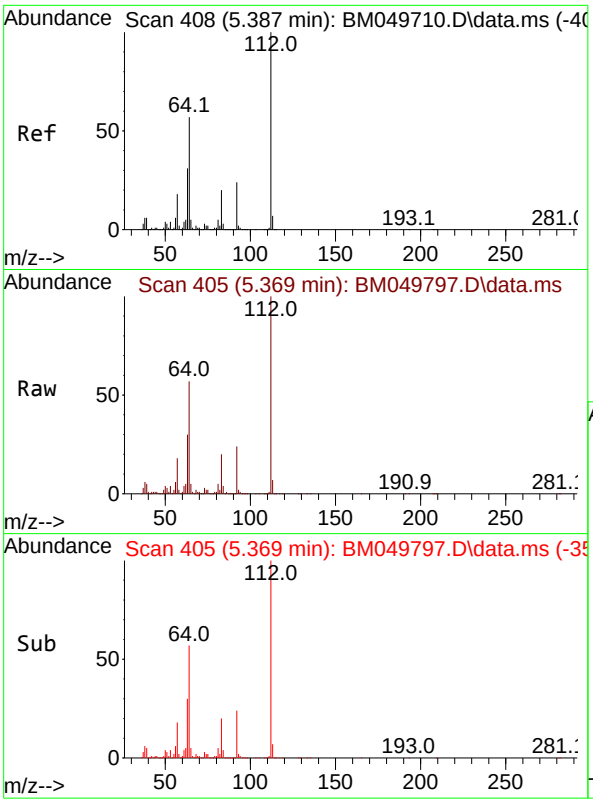


#4
n-Nitrosodimethylamine
Concen: 50.510 ng
RT: 3.575 min Scan# 100
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion: 42 Resp: 424496

Ion	Ratio	Lower	Upper
42	100		
74	144.0	112.6	168.8
44	6.6	5.0	7.6



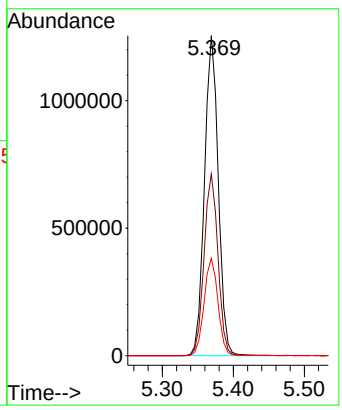


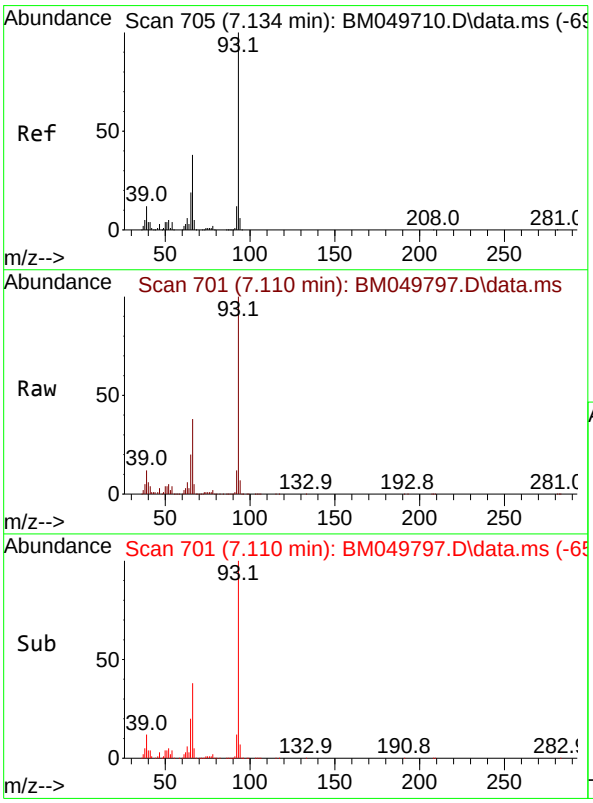
#5
2-Fluorophenol
Concen: 98.729 ng
RT: 5.369 min Scan# 4(
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:112 Resp: 1696210

Ion	Ratio	Lower	Upper
112	100		
64	56.8	45.3	67.9
63	30.4	24.4	36.6

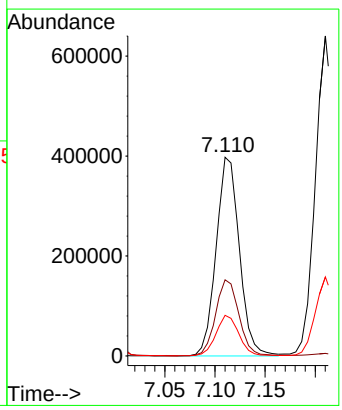


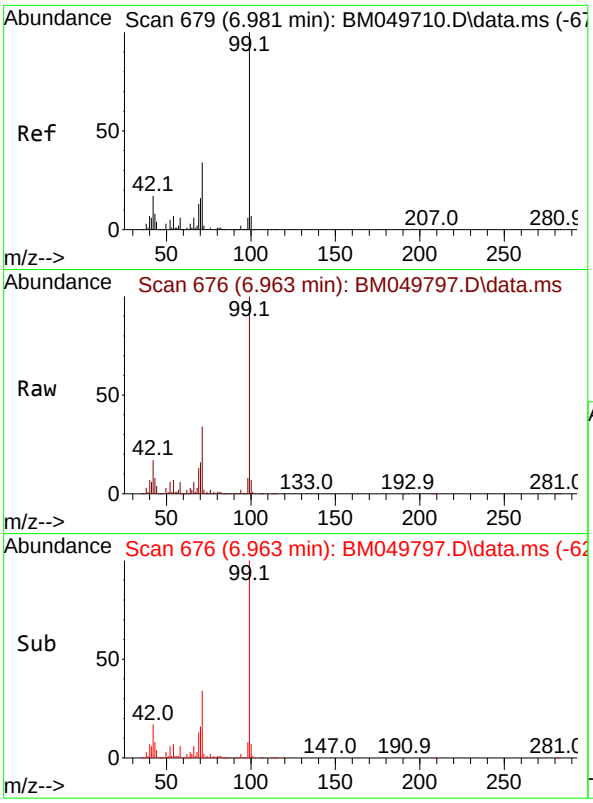


#6
Aniline
Concen: 35.495 ng
RT: 7.110 min Scan# 701
Delta R.T. -0.024 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion: 93 Resp: 641150

Ion	Ratio	Lower	Upper
93	100		
66	38.4	30.6	46.0
65	20.4	15.4	23.2



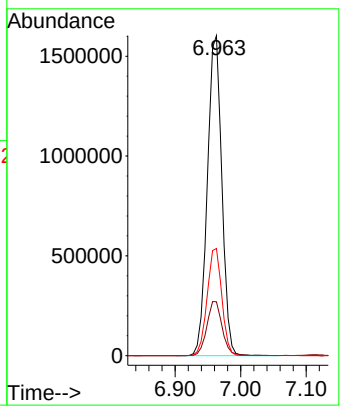


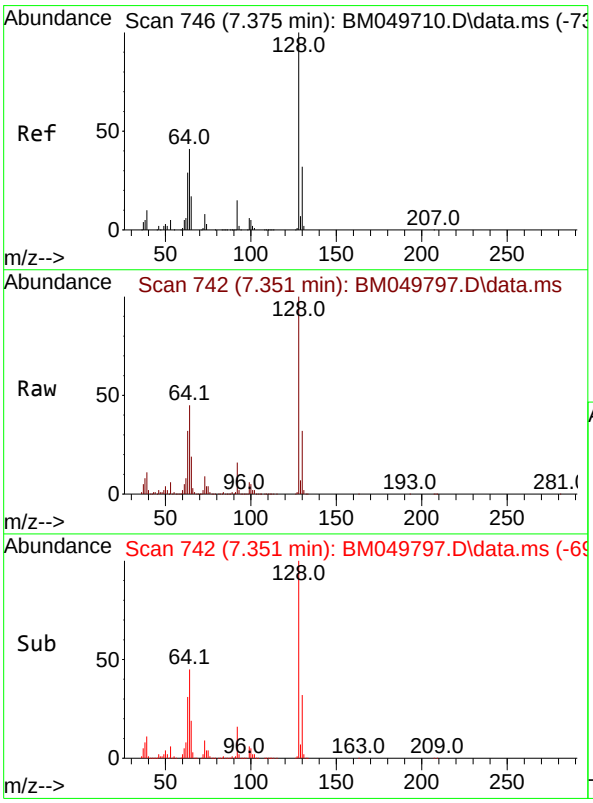
#7
Phenol-d6
Concen: 113.949 ng
RT: 6.963 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 99 Resp: 2456804

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.6	20.4
71	33.5	27.0	40.6

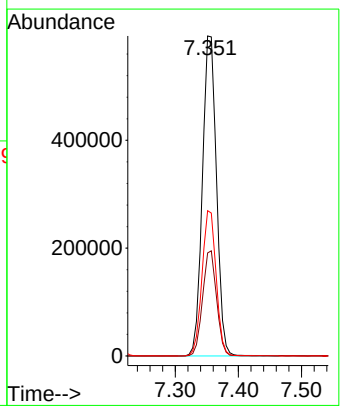


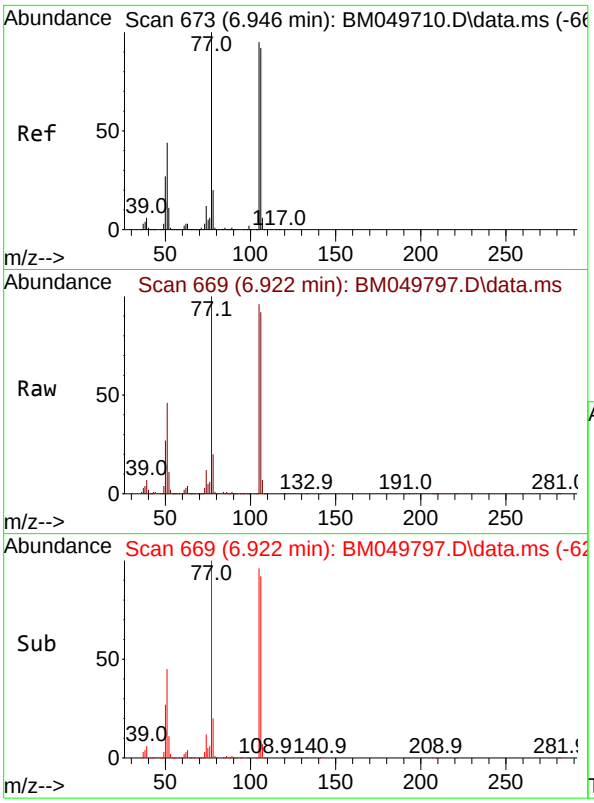


#8
2-Chlorophenol
Concen: 53.988 ng
RT: 7.351 min Scan# 742
Delta R.T. -0.024 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:128 Resp: 918525

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.5	52.5
64	45.4	24.9	64.9



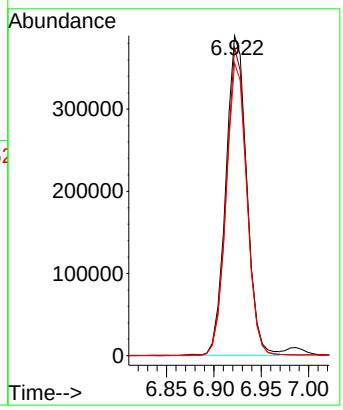


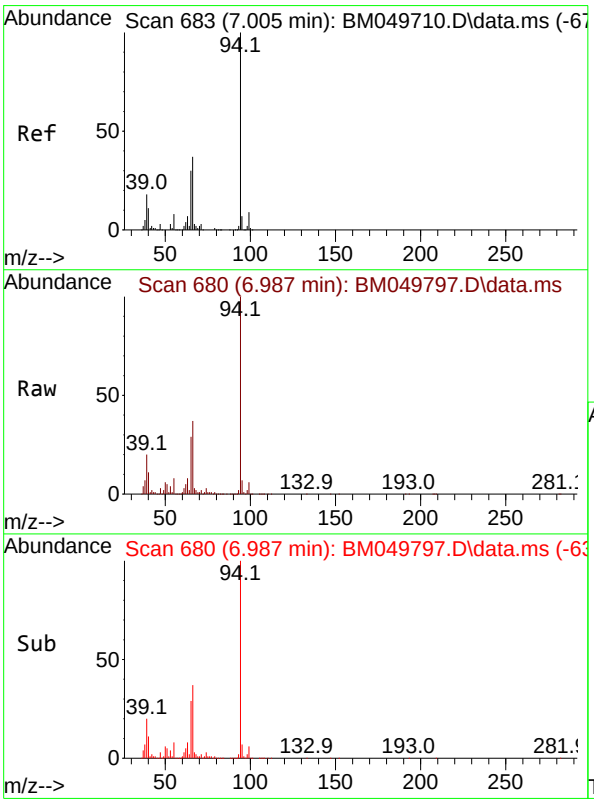
#9
Benzaldehyde
Concen: 55.973 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 77 Resp: 596604

Ion	Ratio	Lower	Upper
77	100		
105	96.2	75.0	115.0
106	91.5	72.3	112.3

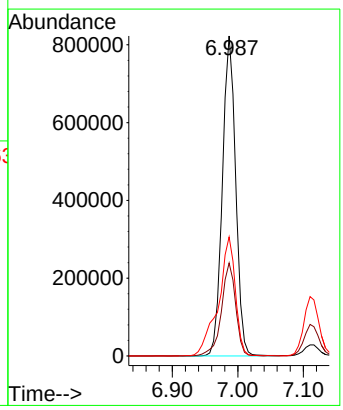


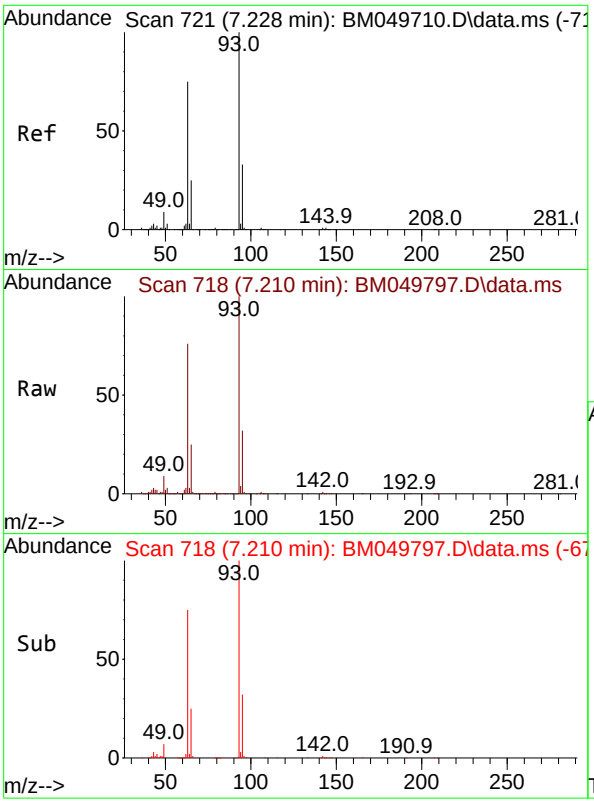


#10
Phenol
Concen: 55.175 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion: 94 Resp: 1153490

Ion	Ratio	Lower	Upper
94	100		
65	29.0	10.4	50.4
66	37.2	17.1	57.1



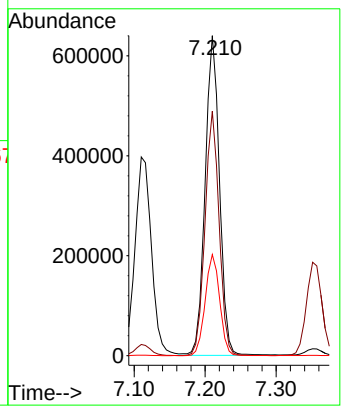


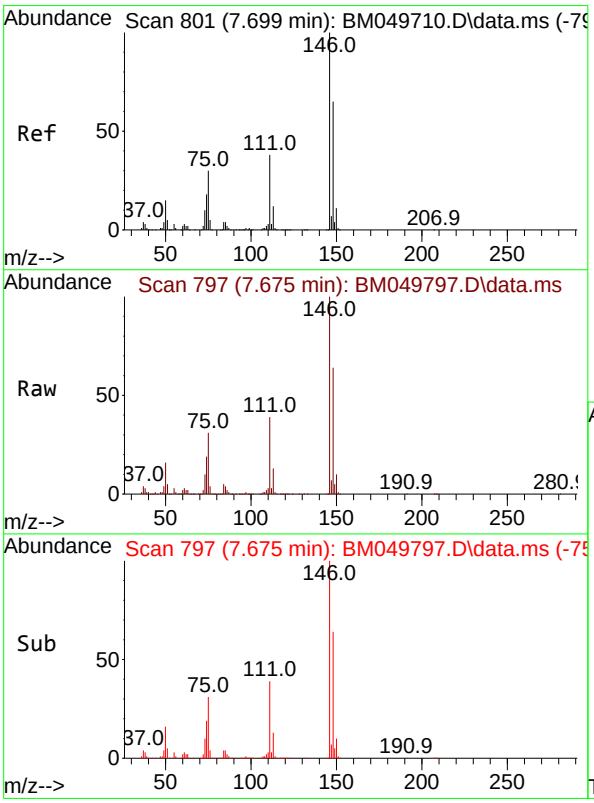
#11
bis(2-Chloroethyl)ether
Concen: 53.214 ng
RT: 7.210 min Scan# 71
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 93 Resp: 900879

Ion	Ratio	Lower	Upper
93	100		
63	76.4	54.8	94.8
95	31.6	12.8	52.8

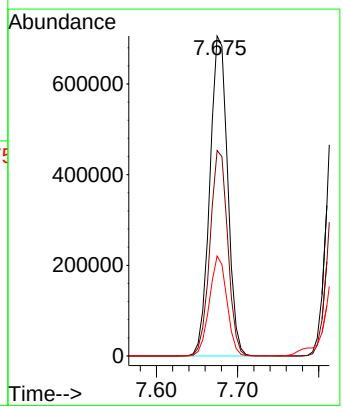


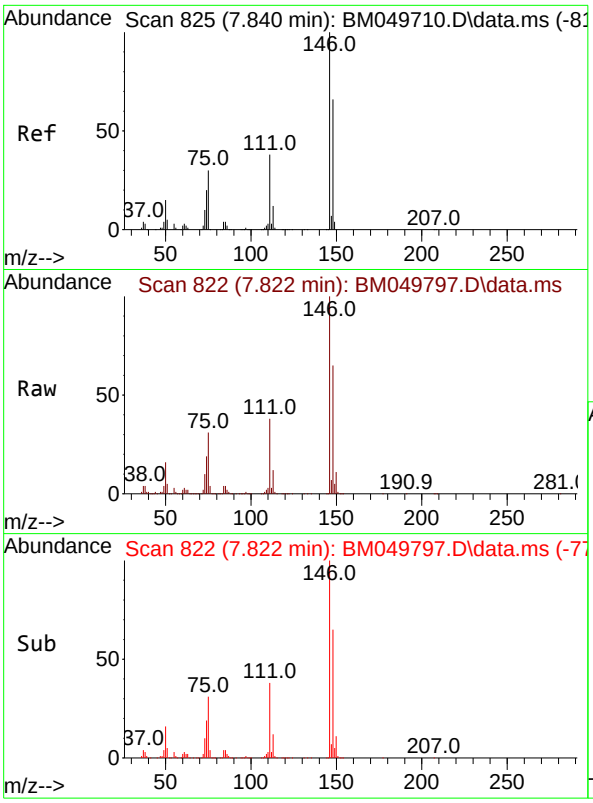


#12
1,3-Dichlorobenzene
Concen: 51.850 ng
RT: 7.675 min Scan# 797
Delta R.T. -0.024 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:146 Resp: 1072052

Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.3	78.5
75	31.2	24.2	36.2



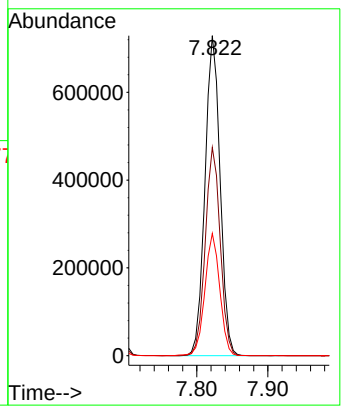


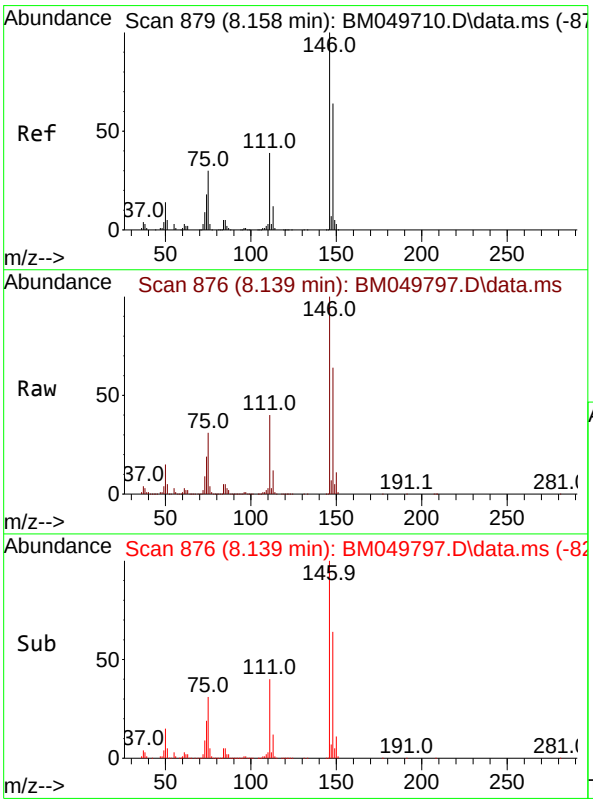
#13
1,4-Dichlorobenzene
Concen: 51.771 ng
RT: 7.822 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:146 Resp: 1079874

Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.6	79.0
111	38.2	30.8	46.2

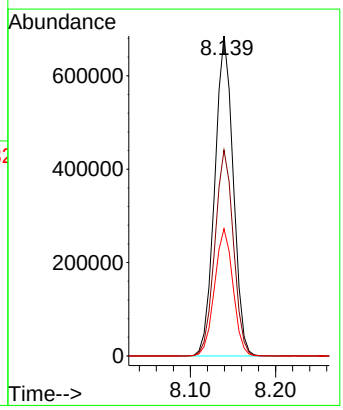


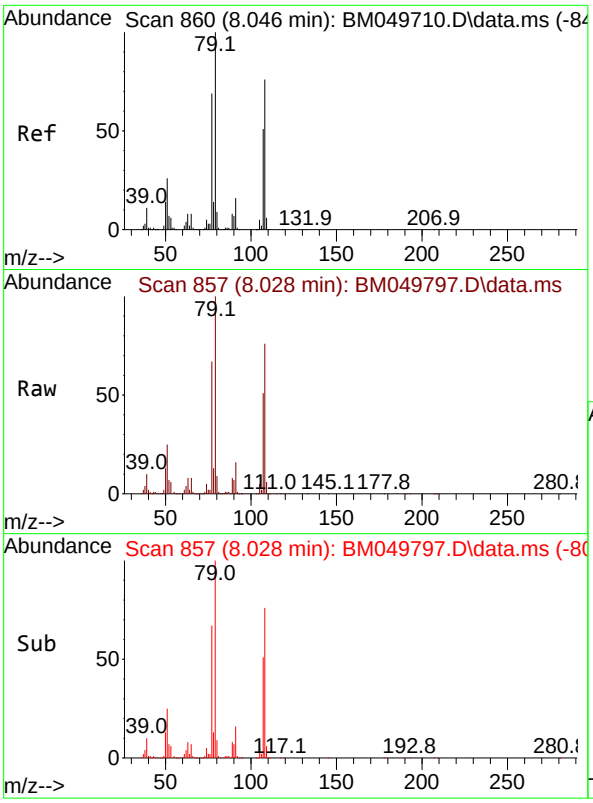


#14
1,2-Dichlorobenzene
Concen: 51.983 ng
RT: 8.139 min Scan# 876
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:146 Resp: 1030492

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.9	76.3
111	39.7	31.0	46.6



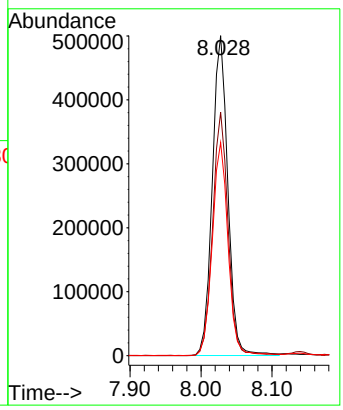


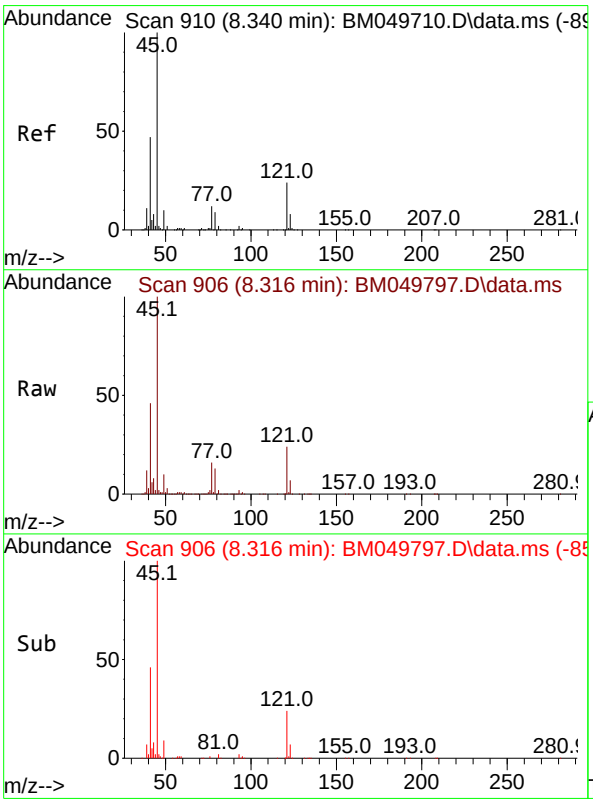
#15
Benzyl Alcohol
Concen: 56.162 ng
RT: 8.028 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 79 Resp: 759886

Ion	Ratio	Lower	Upper
79	100		
108	76.1	60.7	91.1
77	66.6	55.4	83.2

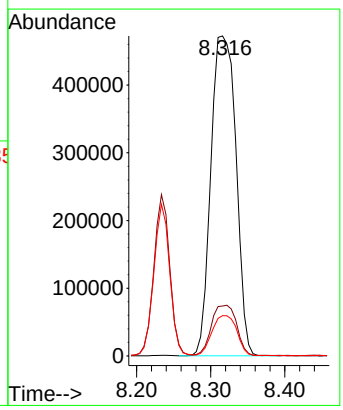


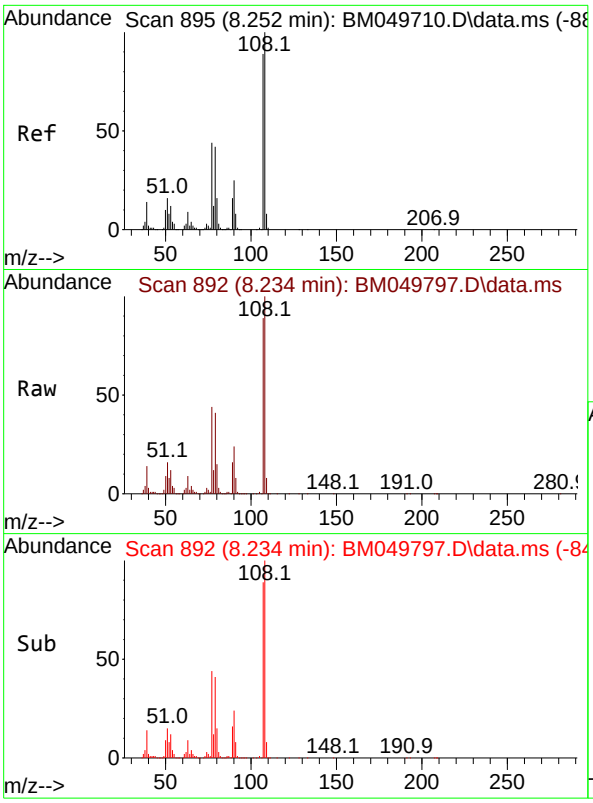


#16
2,2'-oxybis(1-Chloropropane)
Concen: 55.863 ng
RT: 8.316 min Scan# 906
Delta R.T. -0.024 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion: 45 Resp: 1111528

Ion	Ratio	Lower	Upper
45	100		
77	15.6	0.0	36.1
79	12.6	0.0	32.8



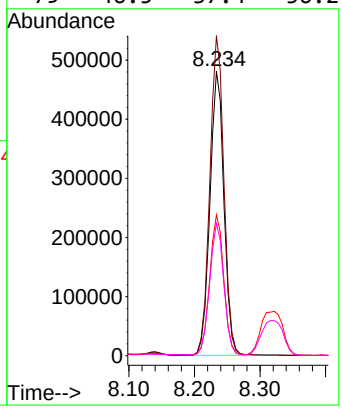


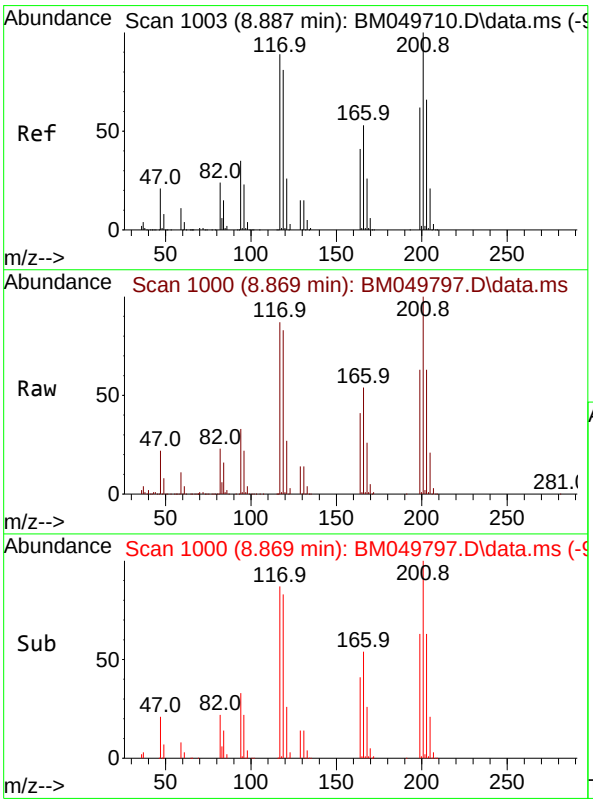
#17
2-Methylphenol
Concen: 57.178 ng
RT: 8.234 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:107 Resp: 709687

Ion	Ratio	Lower	Upper
107	100		
108	112.5	89.6	134.4
77	49.5	39.8	59.6
79	46.5	37.4	56.2

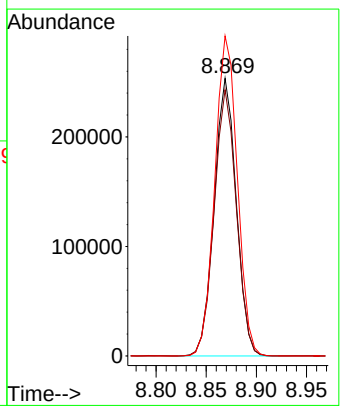


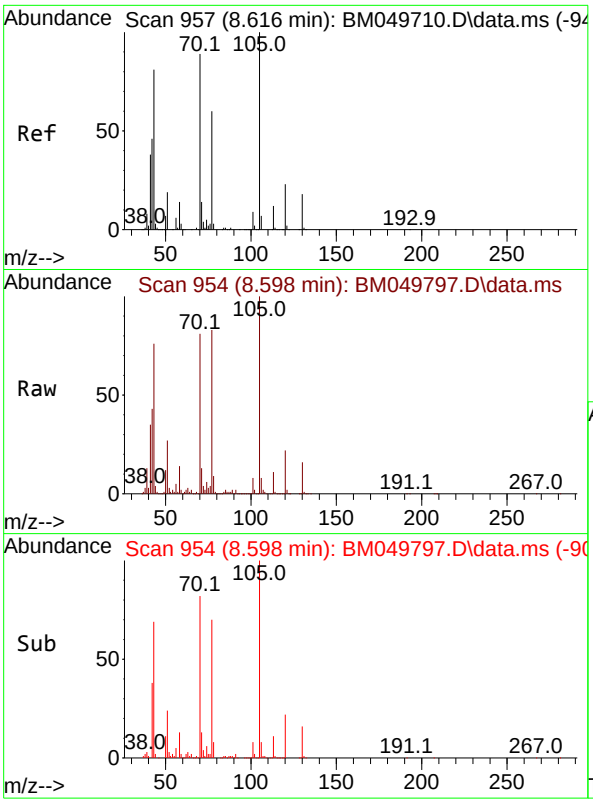


#18
Hexachloroethane
Concen: 52.686 ng
RT: 8.869 min Scan# 1000
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:117 Resp: 388088

Ion	Ratio	Lower	Upper
117	100		
119	95.9	73.1	109.7
201	115.2	90.0	135.0



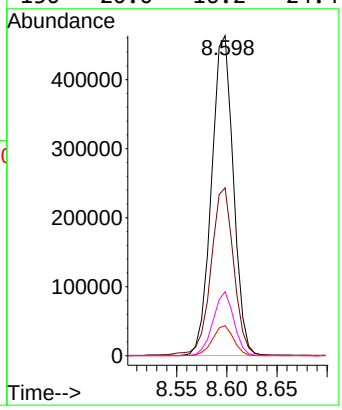


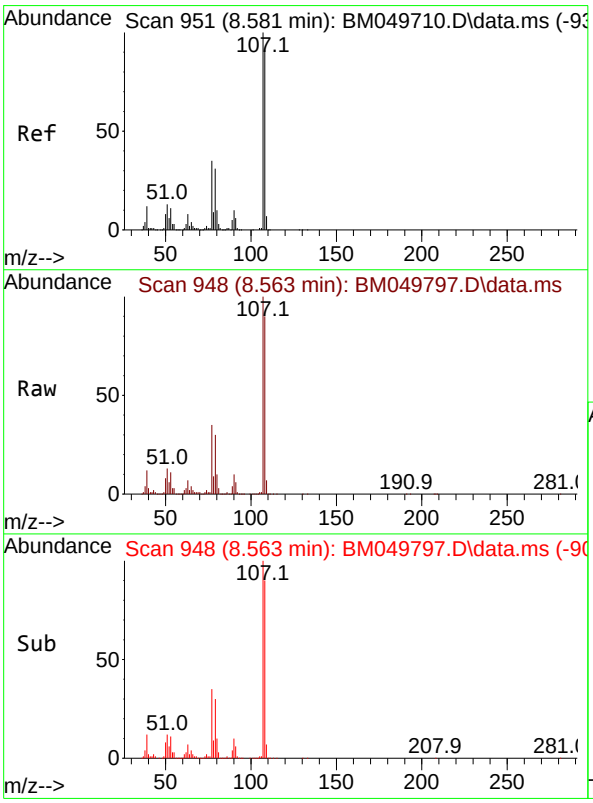
#19
n-Nitroso-di-n-propylamine
Concen: 56.029 ng
RT: 8.598 min Scan# 9
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 70 Resp: 700479

Ion	Ratio	Lower	Upper
70	100		
42	52.4	41.8	62.6
101	9.4	7.7	11.5
130	20.0	16.2	24.4

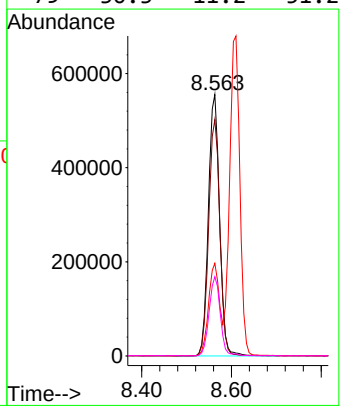


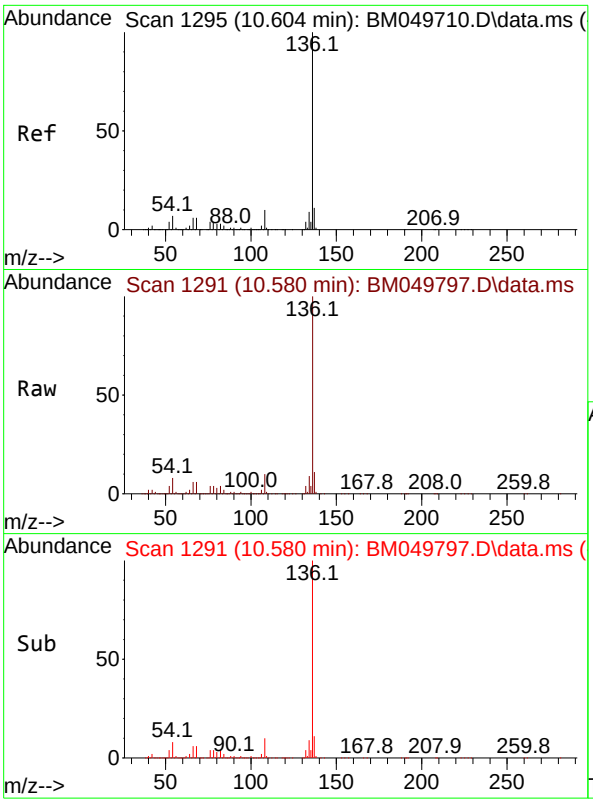


#20
3+4-Methylphenols
Concen: 57.856 ng
RT: 8.563 min Scan# 948
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:107 Resp: 962340

Ion	Ratio	Lower	Upper
107	100		
108	90.4	71.0	111.0
77	35.4	15.1	55.1
79	30.3	11.2	51.2



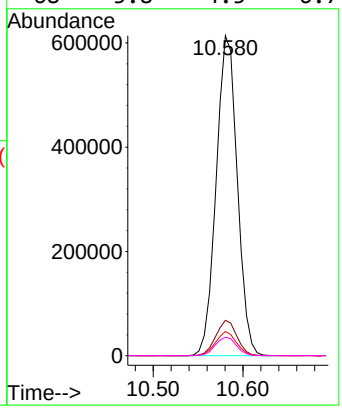


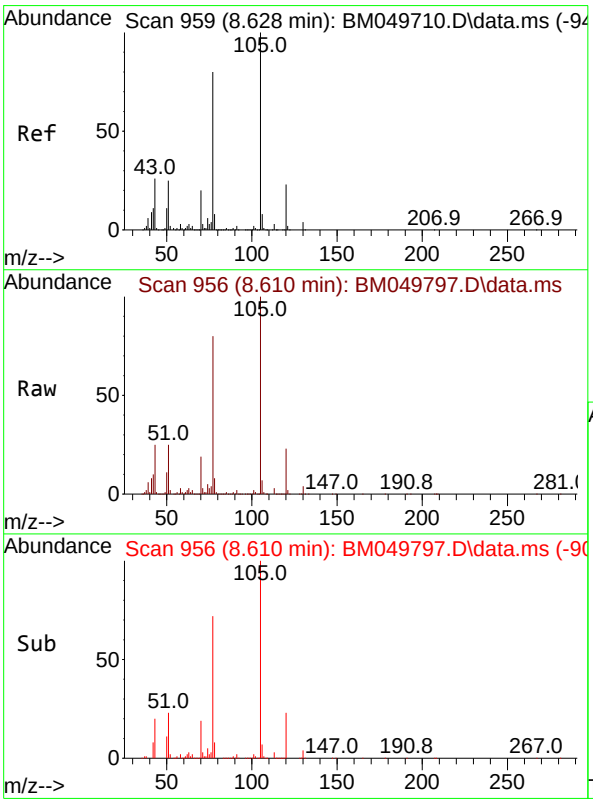
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:136 Resp: 1002529

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	7.5	5.8	8.8
68	5.8	4.5	6.7

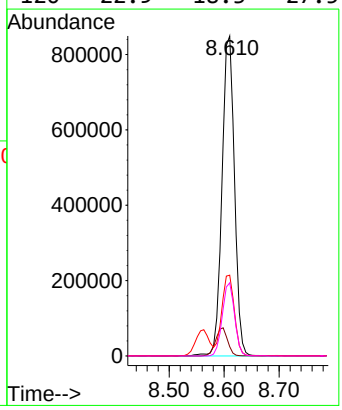


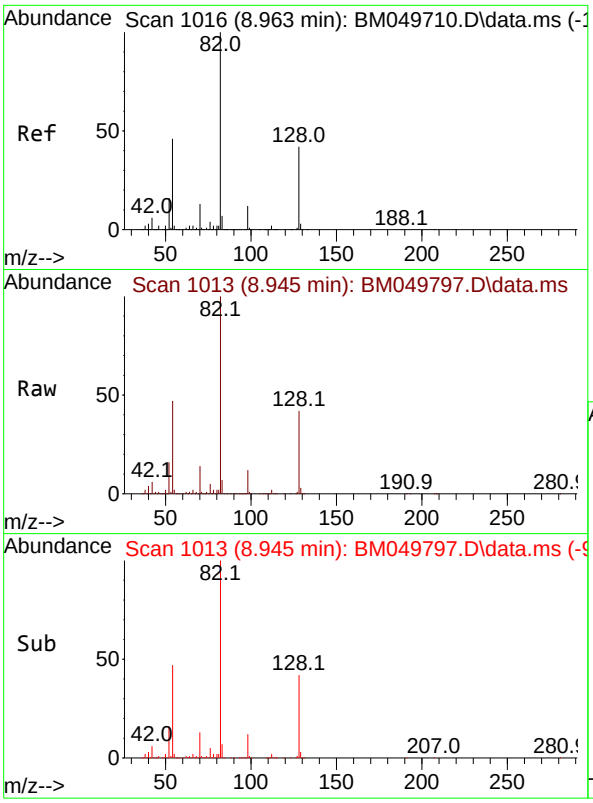


#22
Acetophenone
Concen: 51.838 ng
RT: 8.610 min Scan# 956
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:105 Resp: 1339994

Ion	Ratio	Lower	Upper
105	100		
71	2.9	2.5	3.7
51	25.2	19.9	29.9
120	22.9	18.3	27.5



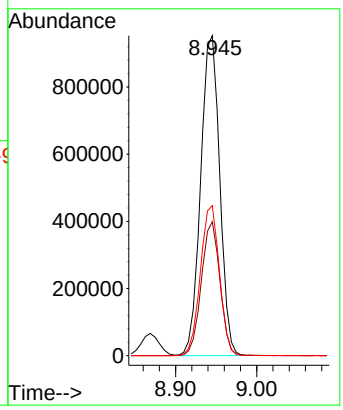


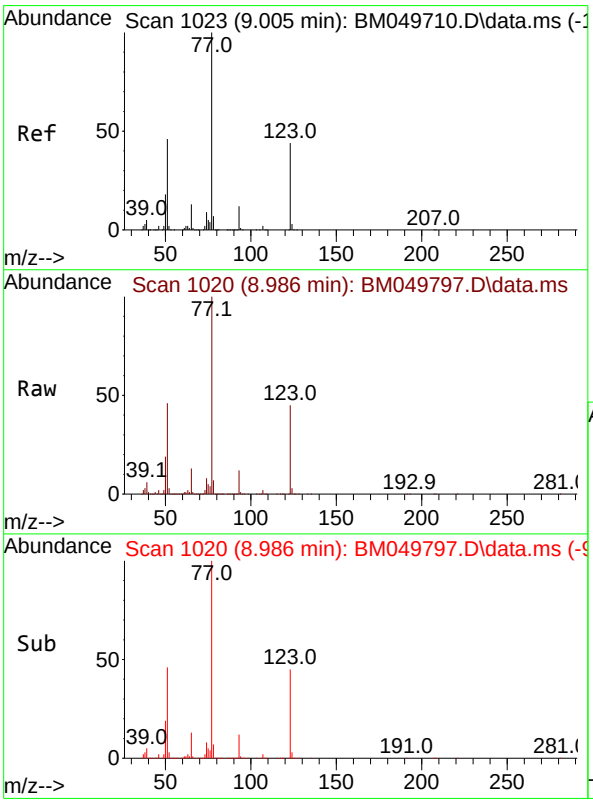
#23
Nitrobenzene-d5
Concen: 79.555 ng
RT: 8.945 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 82 Resp: 1553440

Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.4	50.0
54	46.9	36.4	54.6

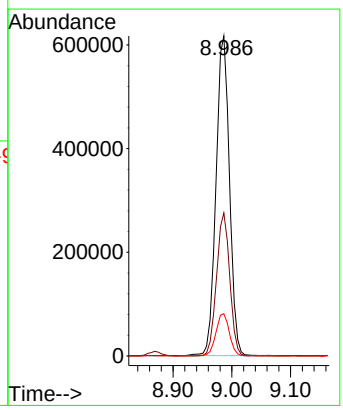


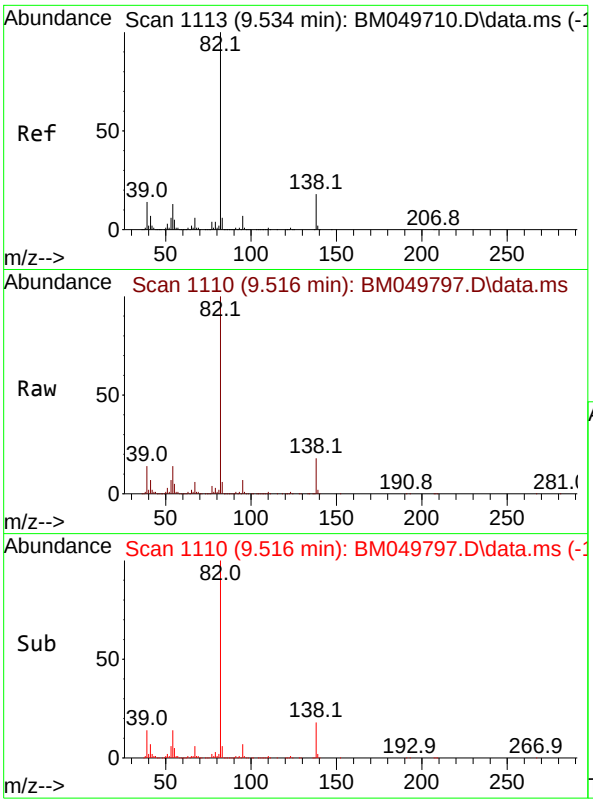


#24
Nitrobenzene
Concen: 53.265 ng
RT: 8.986 min Scan# 1020
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion: 77 Resp: 980711

Ion	Ratio	Lower	Upper
77	100		
123	44.7	34.9	52.3
65	13.2	10.6	15.8



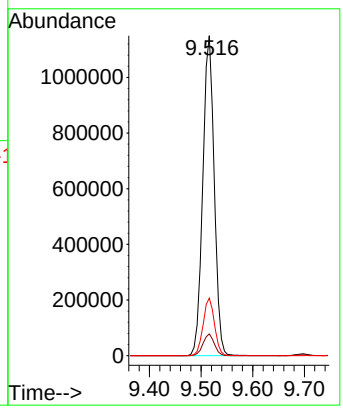


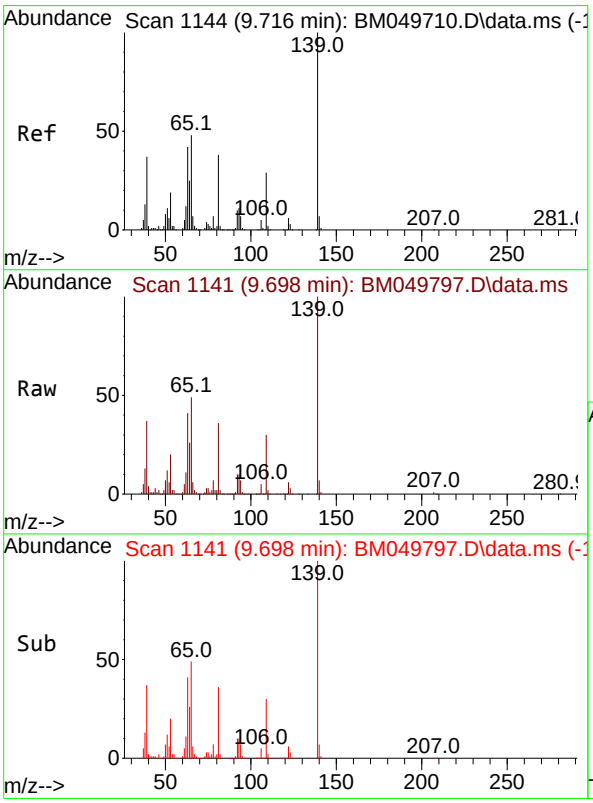
#25
Isophorone
Concen: 58.932 ng
RT: 9.516 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 82 Resp: 1766796

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	18.0	14.4	21.6

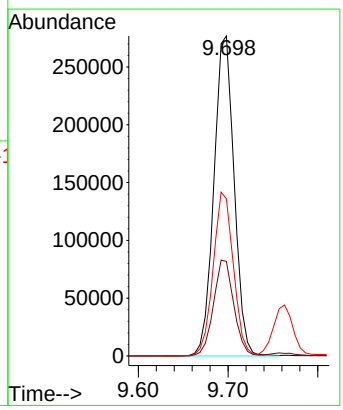


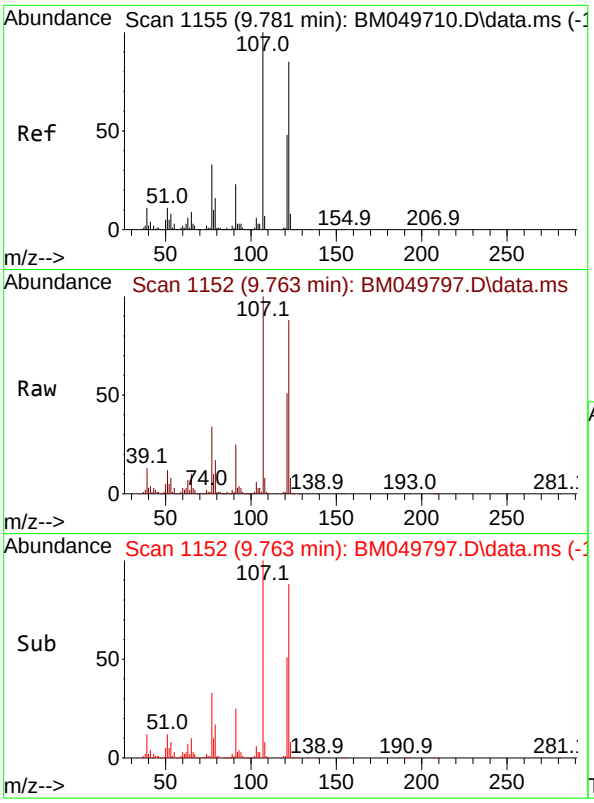


#26
2-Nitrophenol
Concen: 55.411 ng
RT: 9.698 min Scan# 1141
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:139 Resp: 434234

Ion	Ratio	Lower	Upper
139	100		
109	29.5	23.3	34.9
65	49.1	38.6	58.0



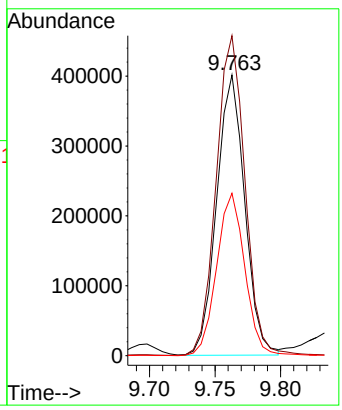


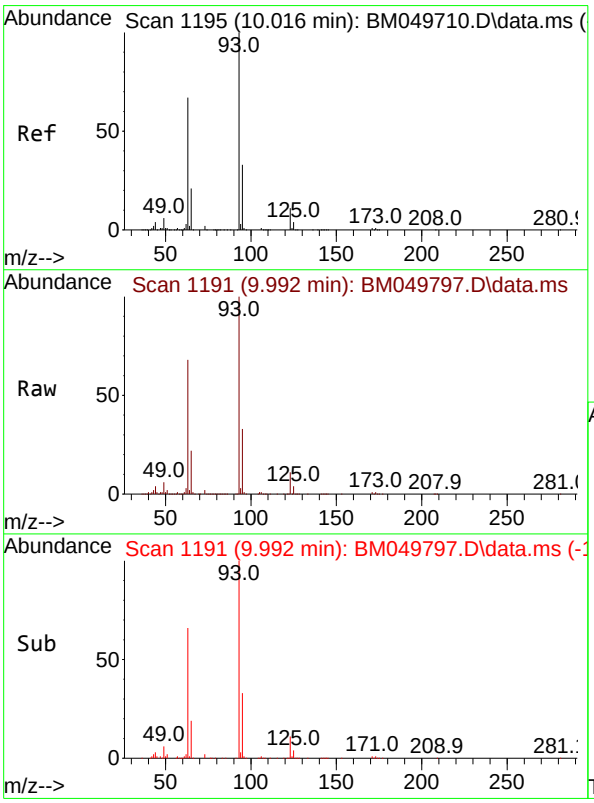
#27
2,4-Dimethylphenol
Concen: 59.896 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:122 Resp: 597465

Ion	Ratio	Lower	Upper
122	100		
107	114.0	94.3	141.5
121	57.8	45.4	68.2

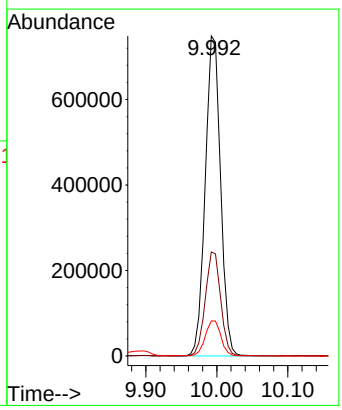


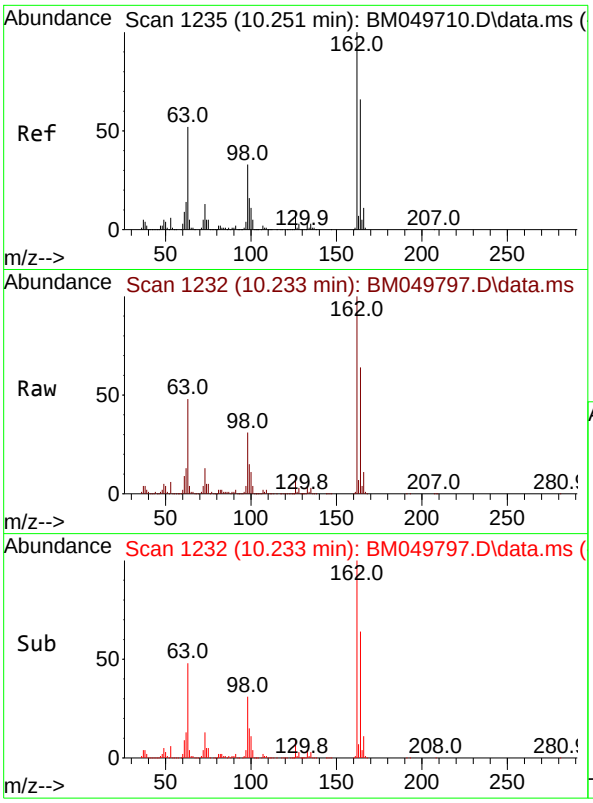


#28
bis(2-Chloroethoxy)methane
Concen: 53.394 ng
RT: 9.992 min Scan# 1191
Delta R.T. -0.024 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion: 93 Resp: 1127448

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.6	40.0
123	11.0	9.0	13.6



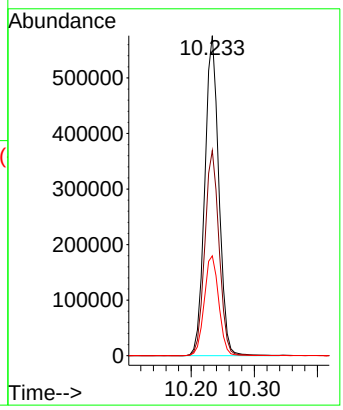


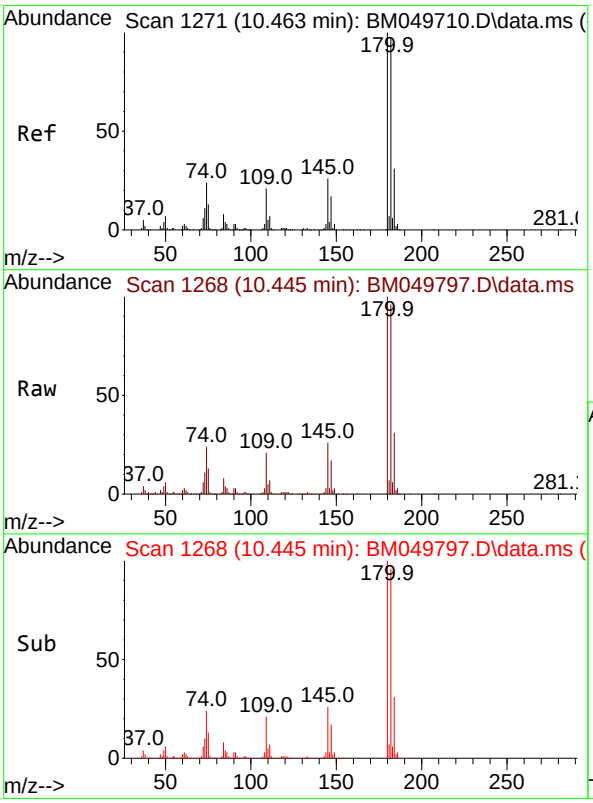
#29
2,4-Dichlorophenol
Concen: 54.856 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:162 Resp: 891632

Ion	Ratio	Lower	Upper
162	100		
164	64.1	46.3	86.3
98	31.2	12.8	52.8

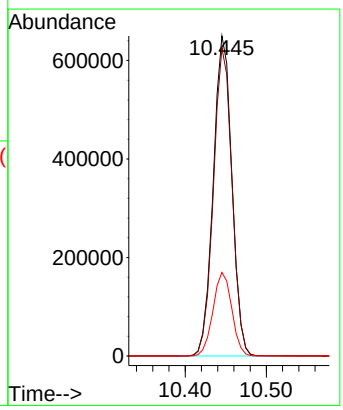


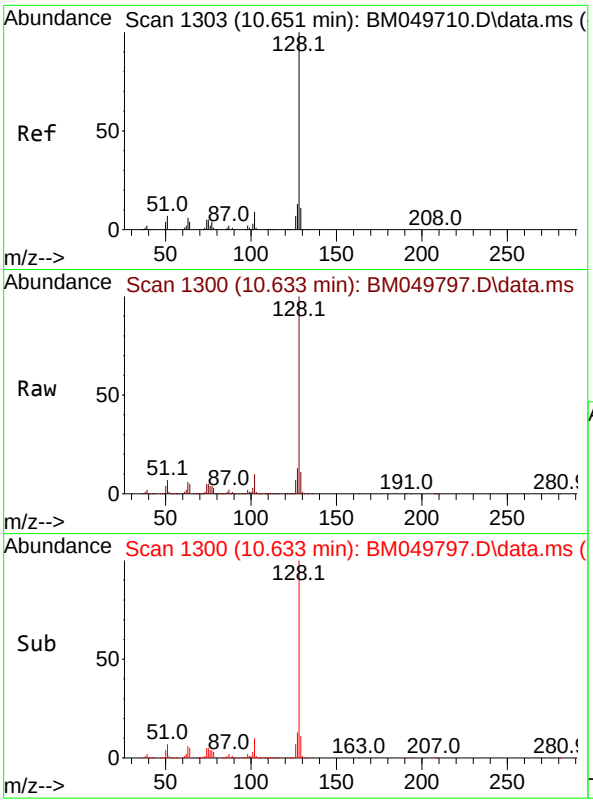


#30
1,2,4-Trichlorobenzene
Concen: 50.918 ng
RT: 10.445 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:180 Resp: 1035473

Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.7	116.5
145	26.1	21.0	31.4



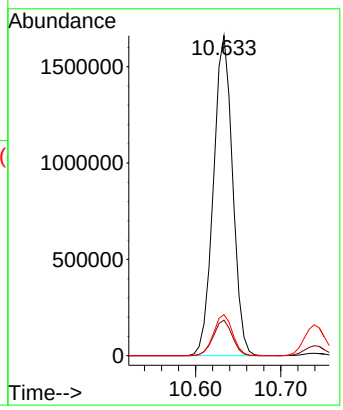


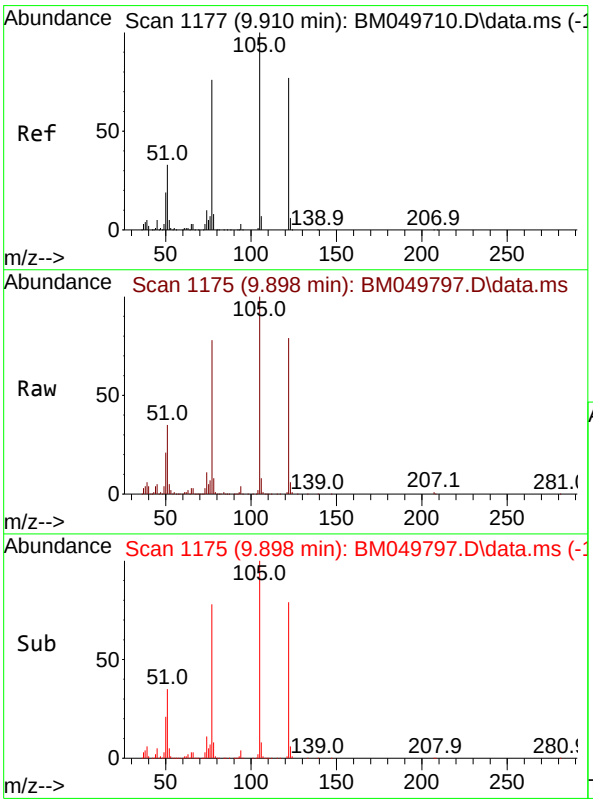
#31
Naphthalene
Concen: 50.371 ng
RT: 10.633 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:128 Resp: 2596639

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	12.9	10.4	15.6

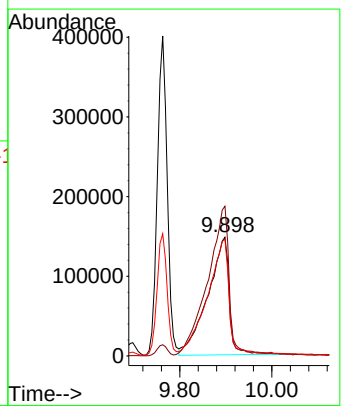


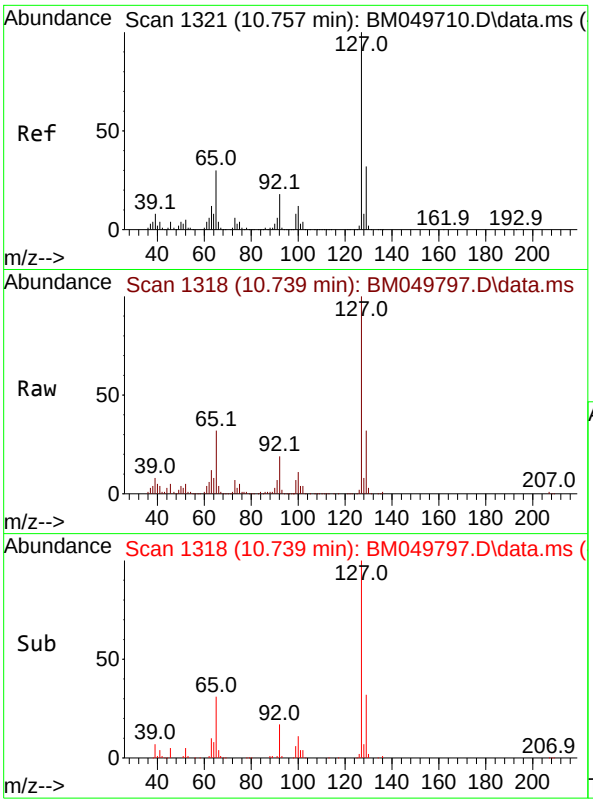


#32
Benzoic acid
Concen: 56.324 ng
RT: 9.898 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:122 Resp: 477817

Ion	Ratio	Lower	Upper
122	100		
105	126.1	105.6	145.6
77	98.4	76.9	116.9



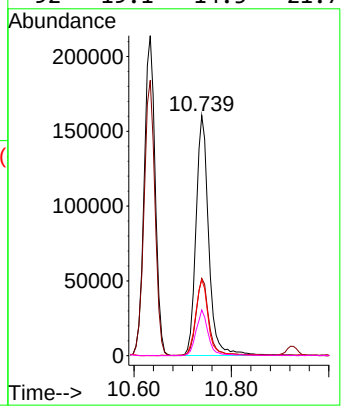


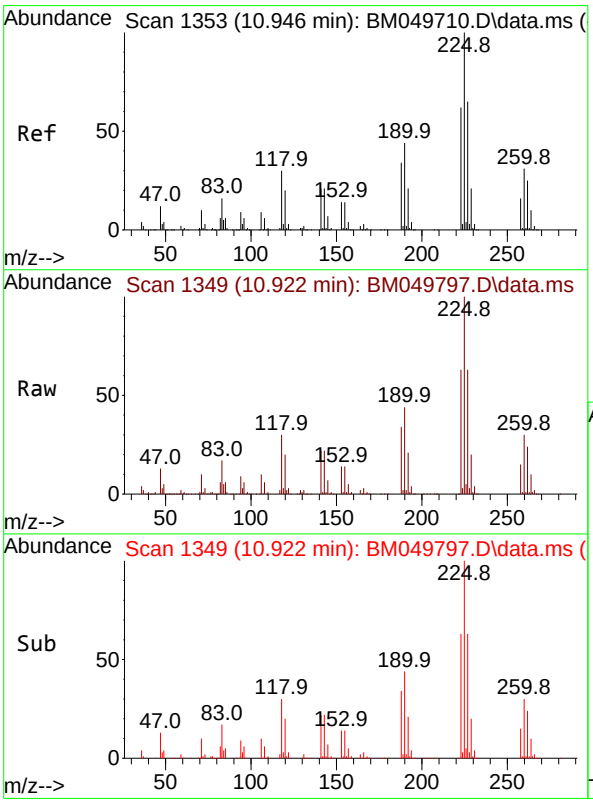
#33
4-Chloroaniline
Concen: 16.591 ng
RT: 10.739 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:127 Resp: 291883

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	31.7	24.1	36.1
92	19.1	14.5	21.7

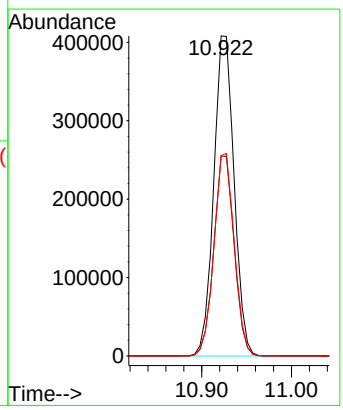


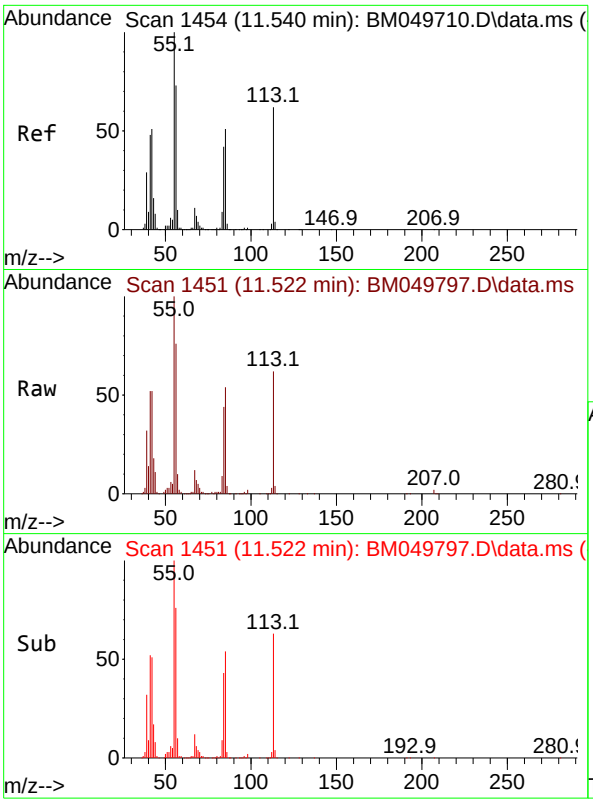


#34
Hexachlorobutadiene
Concen: 51.201 ng
RT: 10.922 min Scan# 1349
Delta R.T. -0.024 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:225 Resp: 642787

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.8	74.8
227	62.6	52.1	78.1



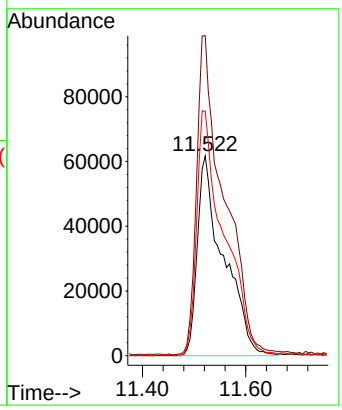


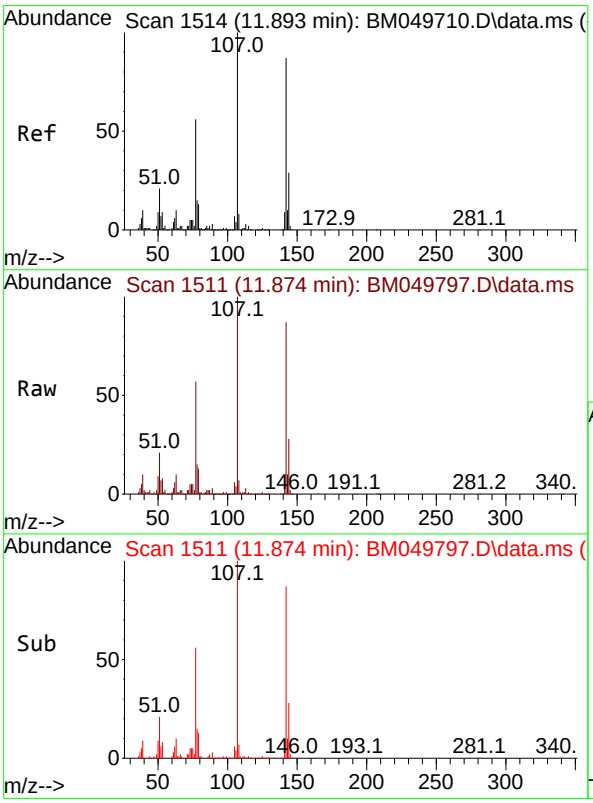
#35
Caprolactam
Concen: 57.433 ng
RT: 11.522 min Scan# 14
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:113 Resp: 216736

Ion	Ratio	Lower	Upper
113	100		
55	160.1	141.8	181.8
56	122.3	98.0	138.0

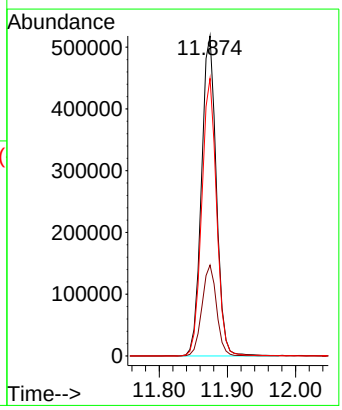


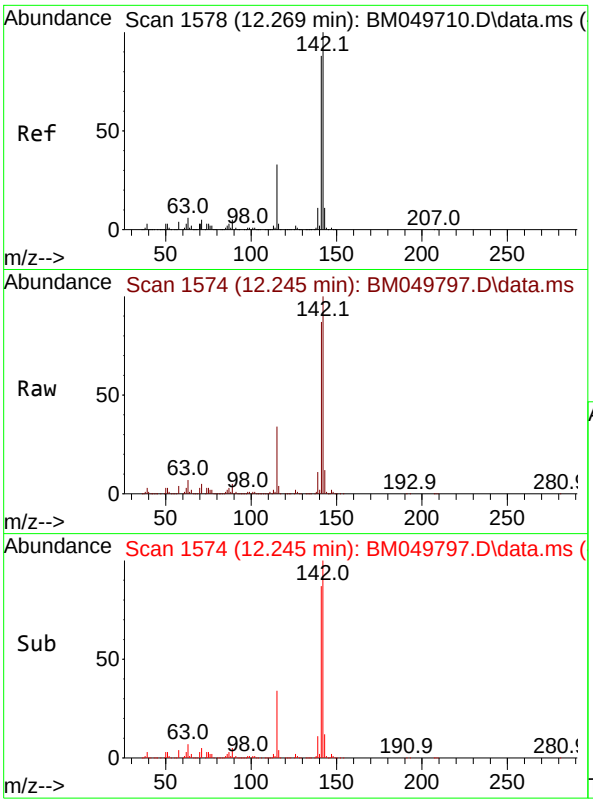


#36
4-Chloro-3-methylphenol
Concen: 56.289 ng
RT: 11.874 min Scan# 1511
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:107 Resp: 785170

Ion	Ratio	Lower	Upper
107	100		
144	28.4	23.0	34.6
142	86.7	69.8	104.8



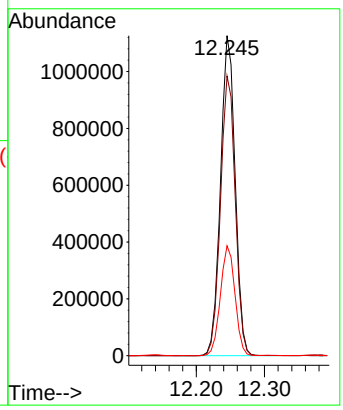


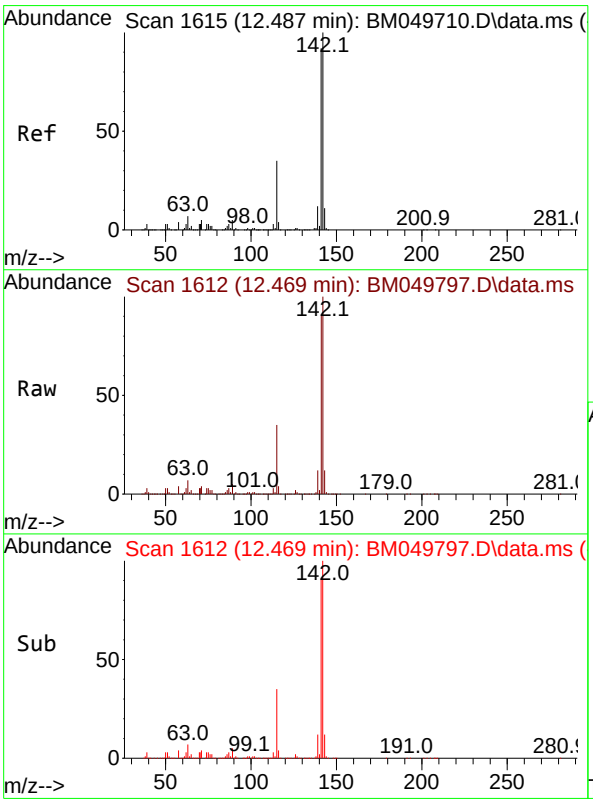
#37
2-Methylnaphthalene
Concen: 46.702 ng
RT: 12.245 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:142 Resp: 1683449

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.5	105.7
115	34.3	26.5	39.7

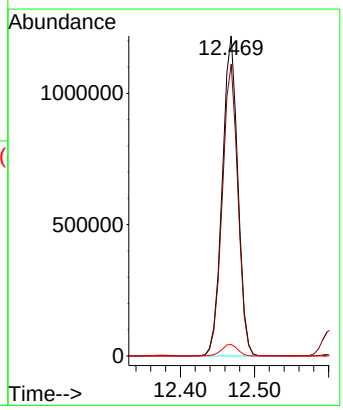


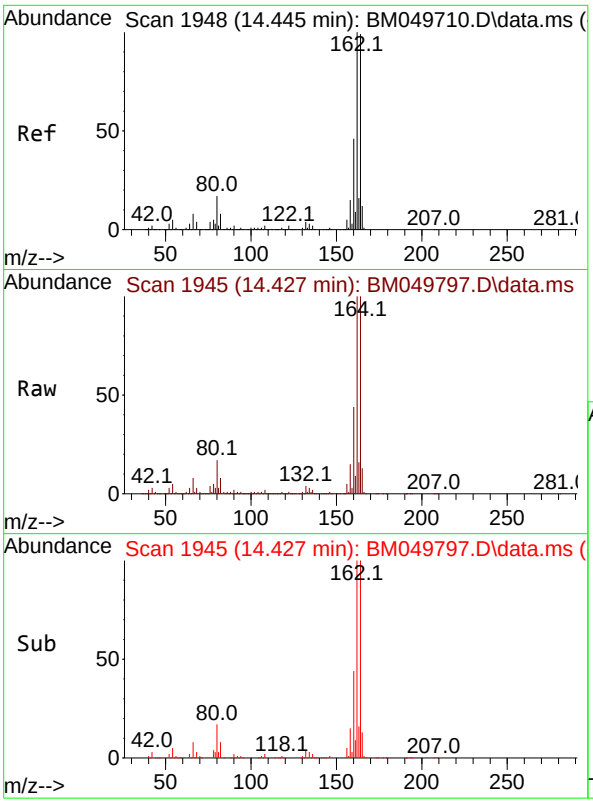


#38
1-Methylnaphthalene
Concen: 51.122 ng
RT: 12.469 min Scan# 1612
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:142 Resp: 1777920

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.4	110.2
116	3.6	2.8	4.2



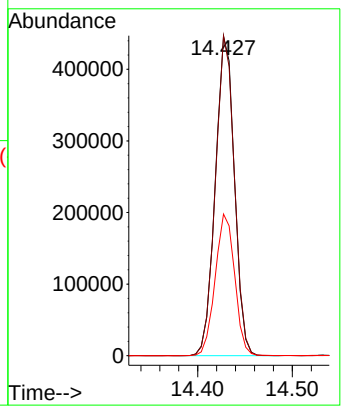


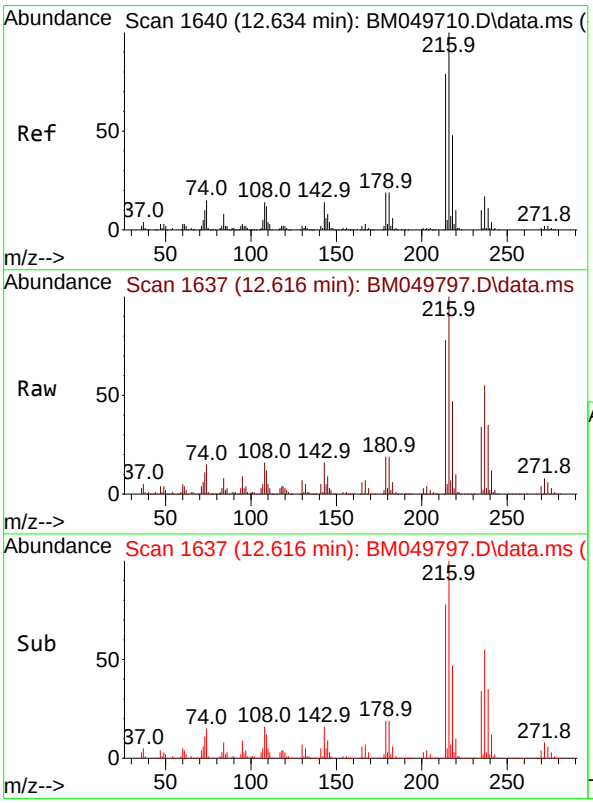
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:164 Resp: 624668

Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.5	120.7
160	44.3	36.9	55.3

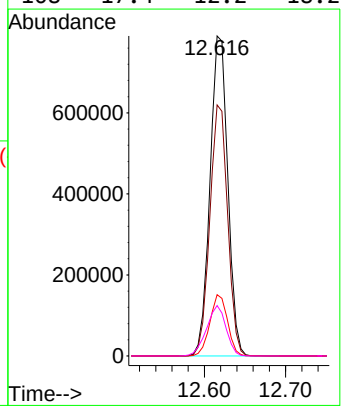


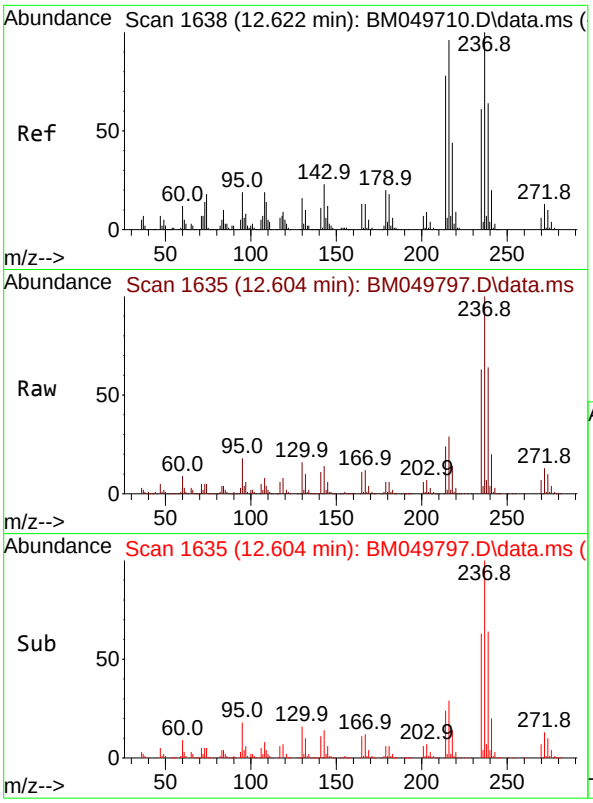


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.305 ng
RT: 12.616 min Scan# 1637
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:216 Resp: 1200153

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.5	95.3
179	19.0	15.7	23.5
108	17.4	12.2	18.2



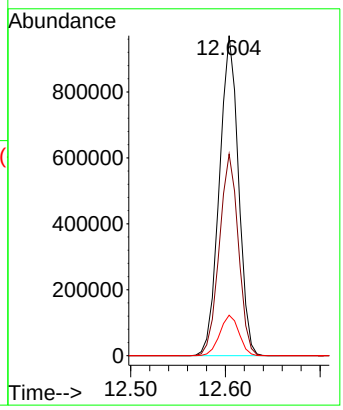


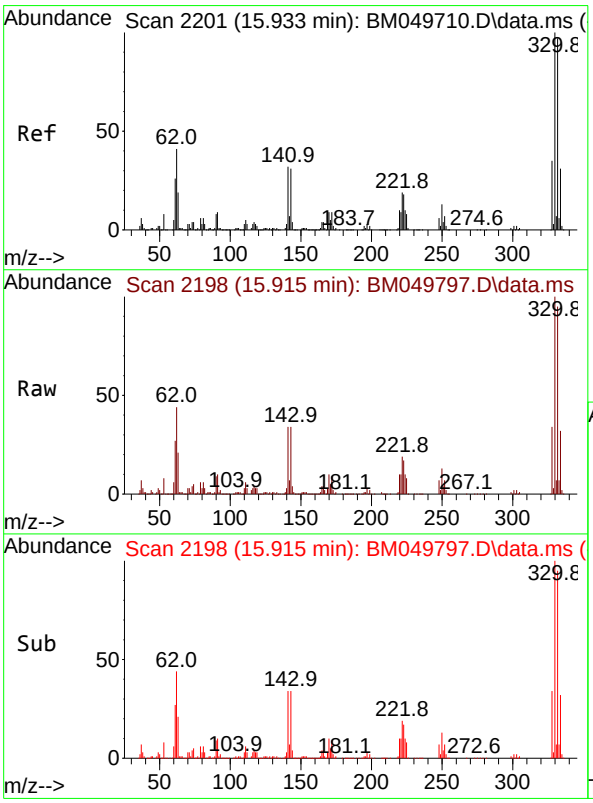
#41
Hexachlorocyclopentadiene
Concen: 160.189 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:237 Resp: 1361685

Ion	Ratio	Lower	Upper
237	100		
235	63.0	41.1	81.1
272	12.7	0.0	32.5

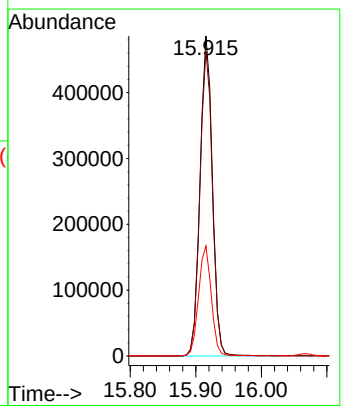


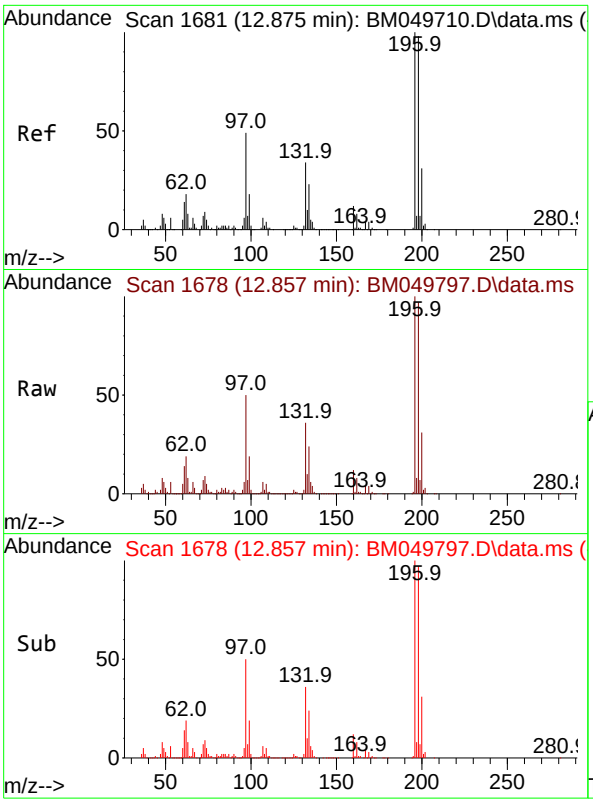


#42
2,4,6-Tribromophenol
Concen: 87.604 ng
RT: 15.915 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:330 Resp: 639003

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.4
141	35.2	27.8	41.6



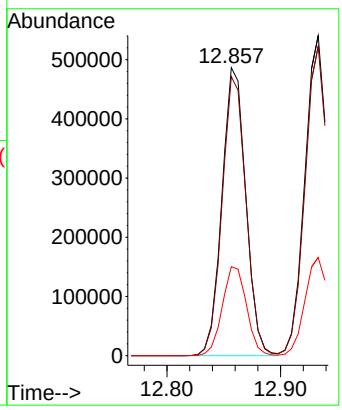


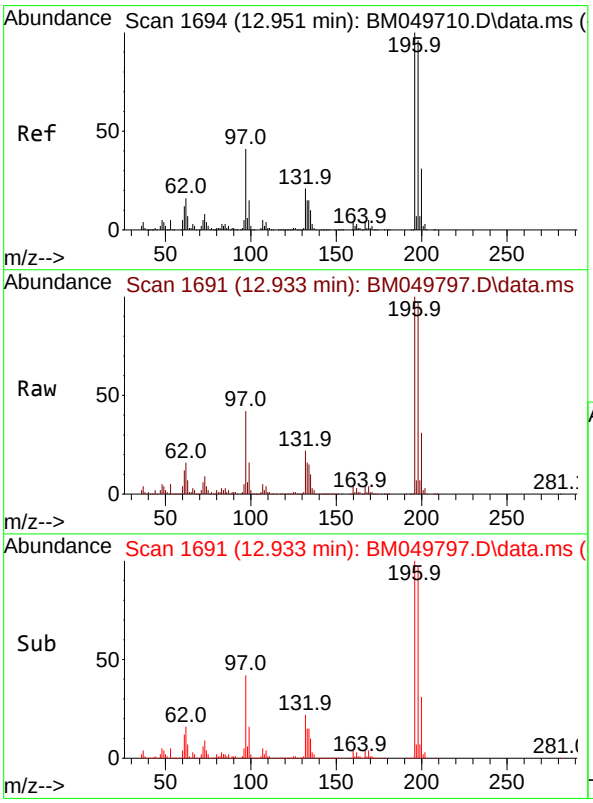
#43
2,4,6-Trichlorophenol
Concen: 55.443 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:196 Resp: 712499

Ion	Ratio	Lower	Upper
196	100		
198	96.9	78.3	117.5
200	30.9	25.1	37.7

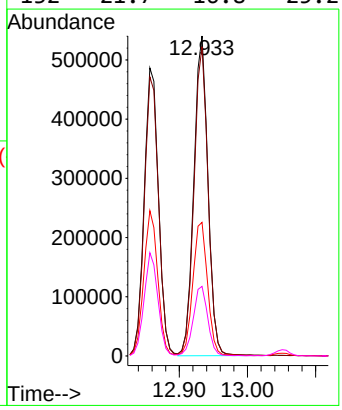


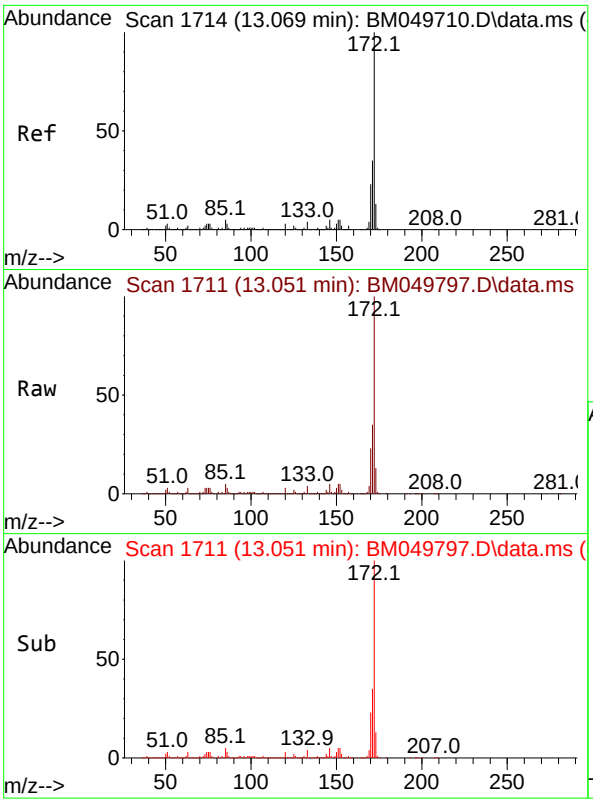


#44
2,4,5-Trichlorophenol
Concen: 55.441 ng
RT: 12.933 min Scan# 1691
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:196 Resp: 777486

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.7	115.1
97	41.7	32.9	49.3
132	21.7	16.8	25.2



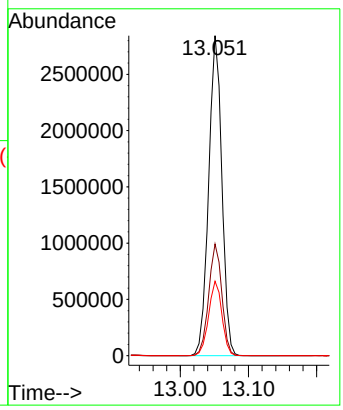


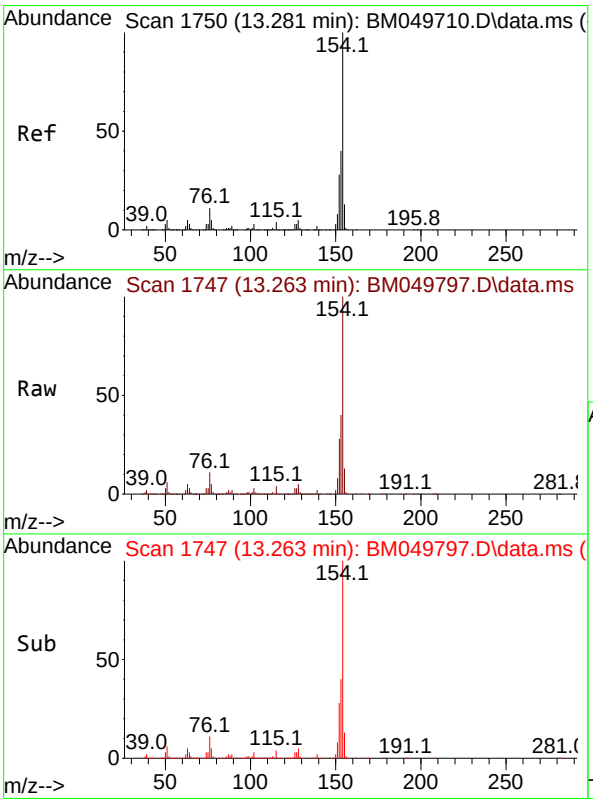
#45
2-Fluorobiphenyl
Concen: 76.896 ng
RT: 13.051 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:172 Resp: 3835452

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.9	41.9
170	23.3	18.6	28.0

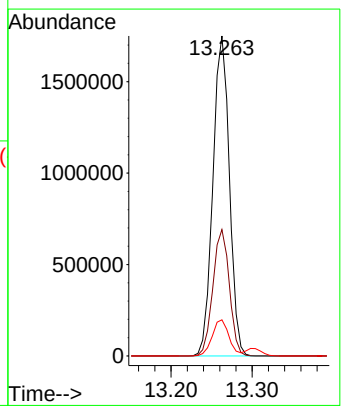


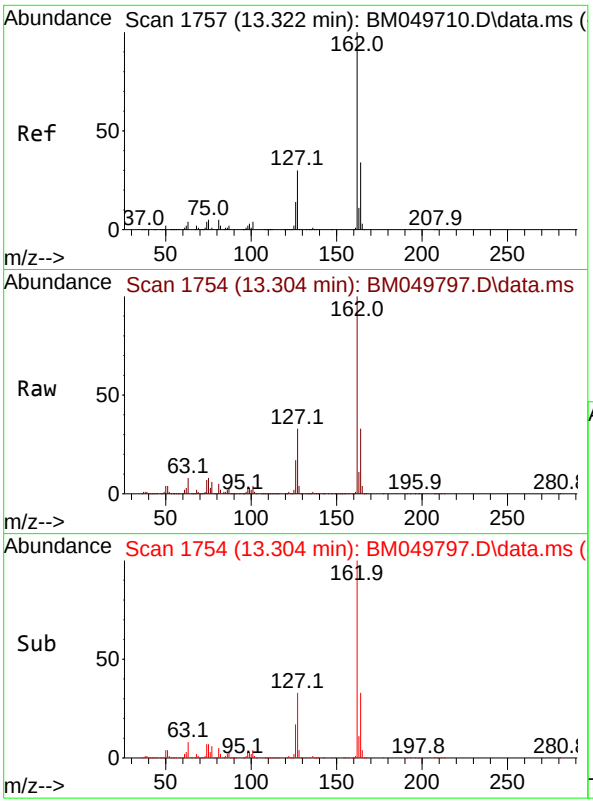


#46
1,1'-Biphenyl
Concen: 51.238 ng
RT: 13.263 min Scan# 1747
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:154 Resp: 2466811

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.7	59.7
76	11.3	0.0	31.2



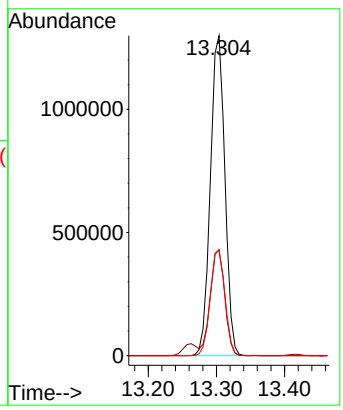


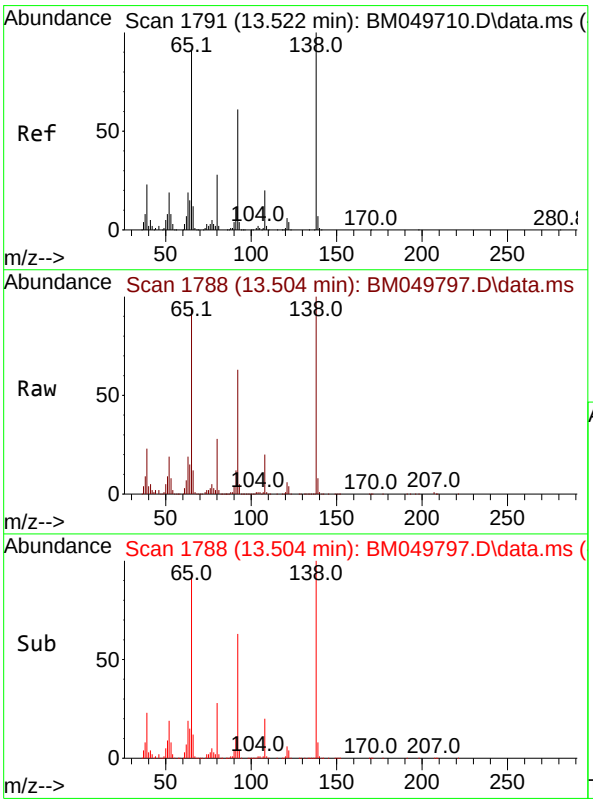
#47
2-Chloronaphthalene
Concen: 51.451 ng
RT: 13.304 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:162 Resp: 1928046

Ion	Ratio	Lower	Upper
162	100		
127	33.1	25.8	38.6
164	33.0	27.1	40.7

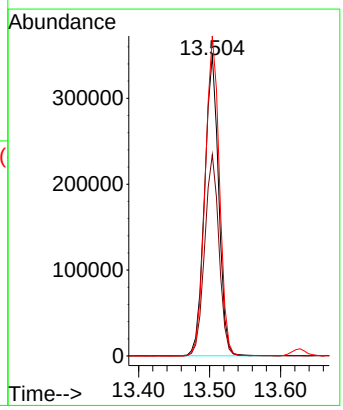


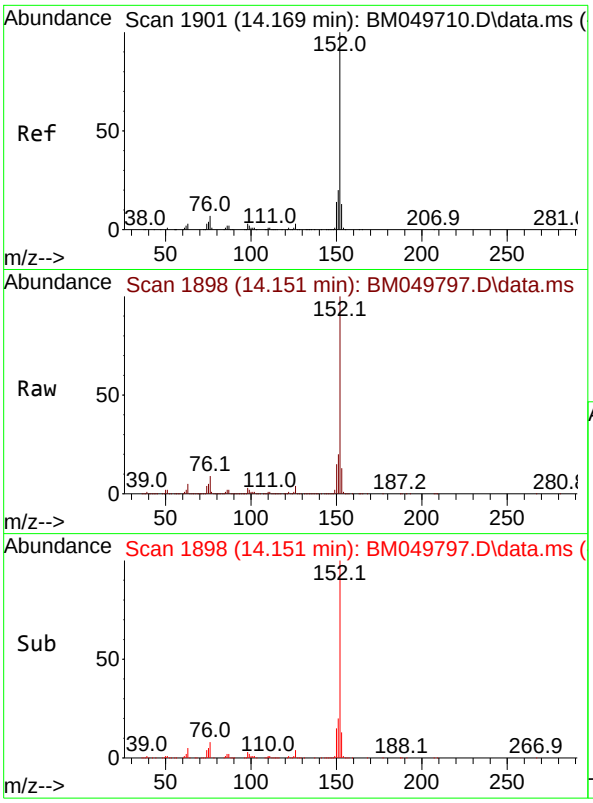


#48
2-Nitroaniline
Concen: 57.632 ng
RT: 13.504 min Scan# 1788
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion: 65 Resp: 484817

Ion	Ratio	Lower	Upper
65	100		
92	66.9	53.4	80.2
138	106.3	87.6	131.4



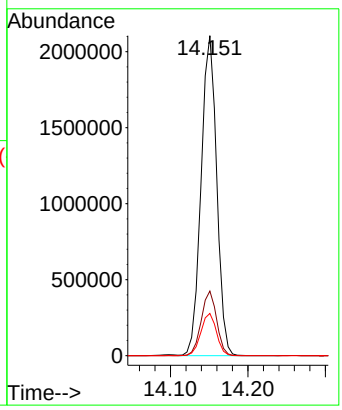


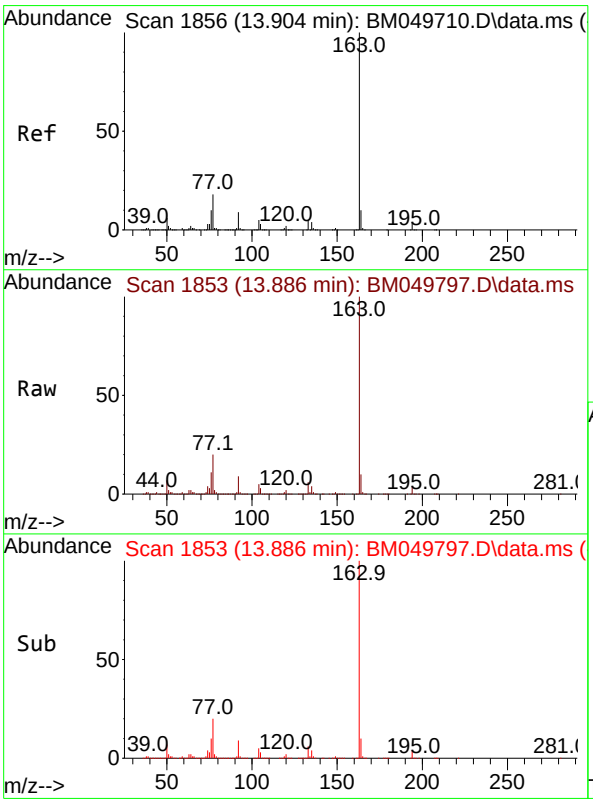
#49
Acenaphthylene
Concen: 56.151 ng
RT: 14.151 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:152 Resp: 2941155

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.2	10.2	15.4

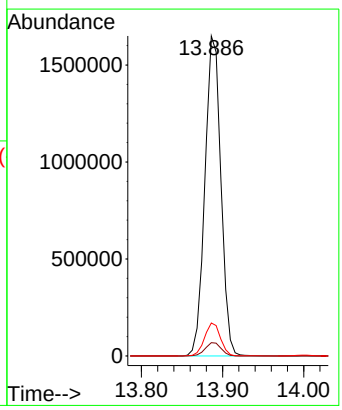


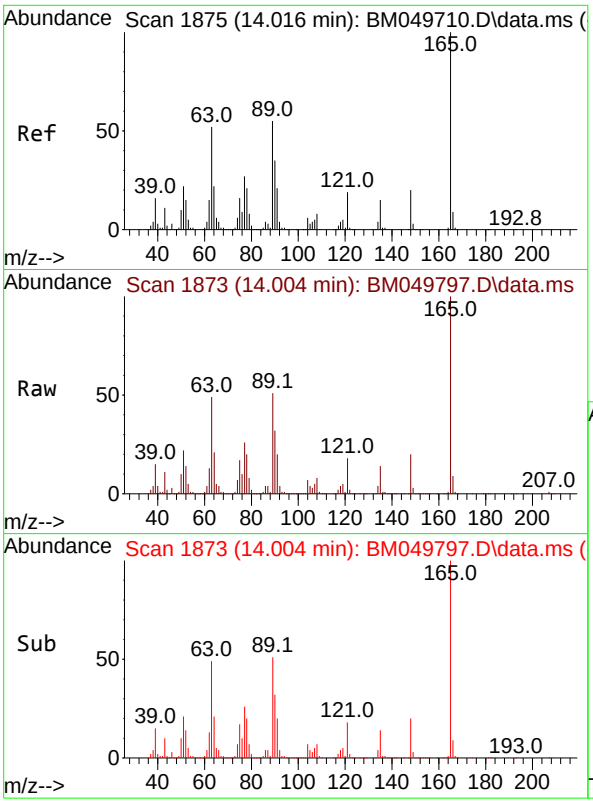


#50
Dimethylphthalate
Concen: 52.308 ng
RT: 13.886 min Scan# 1853
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:163 Resp: 2249656

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.3	8.2	12.2



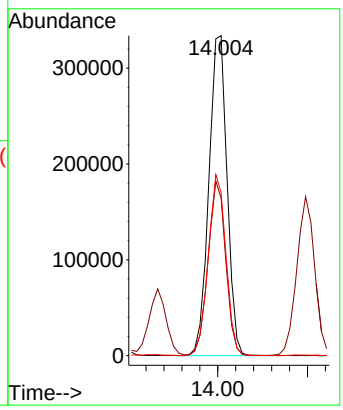


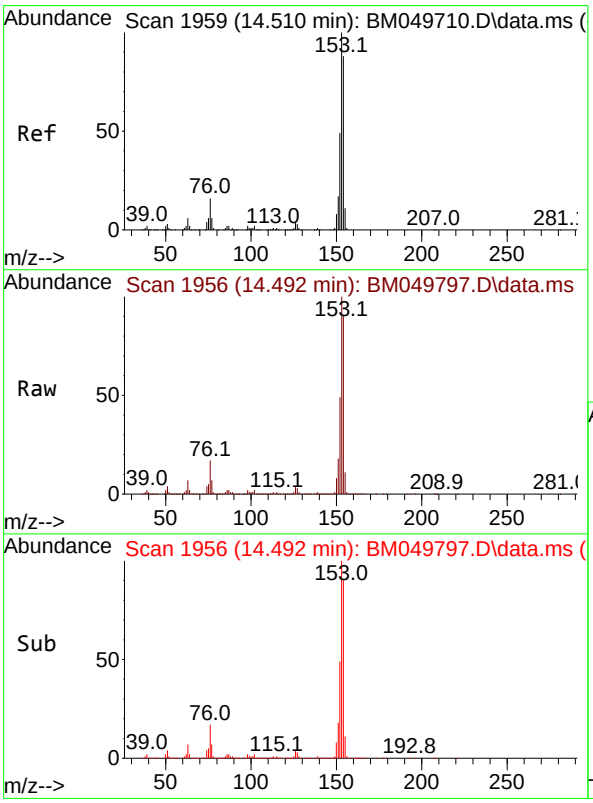
#51
2,6-Dinitrotoluene
Concen: 54.463 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:165 Resp: 469339

Ion	Ratio	Lower	Upper
165	100		
63	49.2	42.3	63.5
89	50.9	43.9	65.9

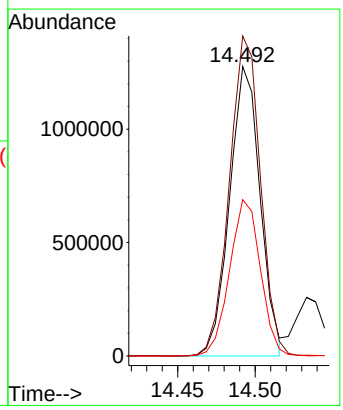


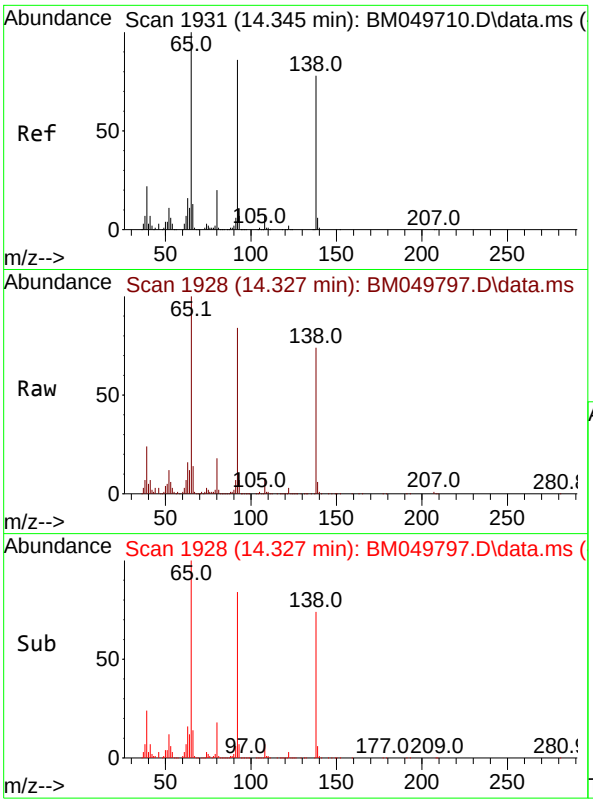


#52
Acenaphthene
Concen: 50.832 ng
RT: 14.492 min Scan# 1956
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:154 Resp: 1746477

Ion	Ratio	Lower	Upper
154	100		
153	110.5	90.4	135.6
152	54.0	44.2	66.2



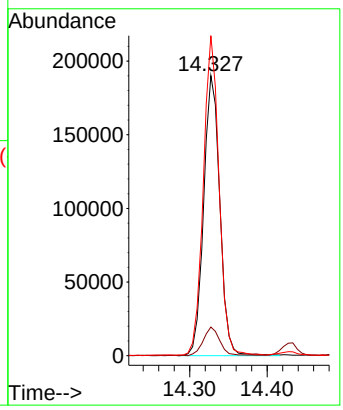


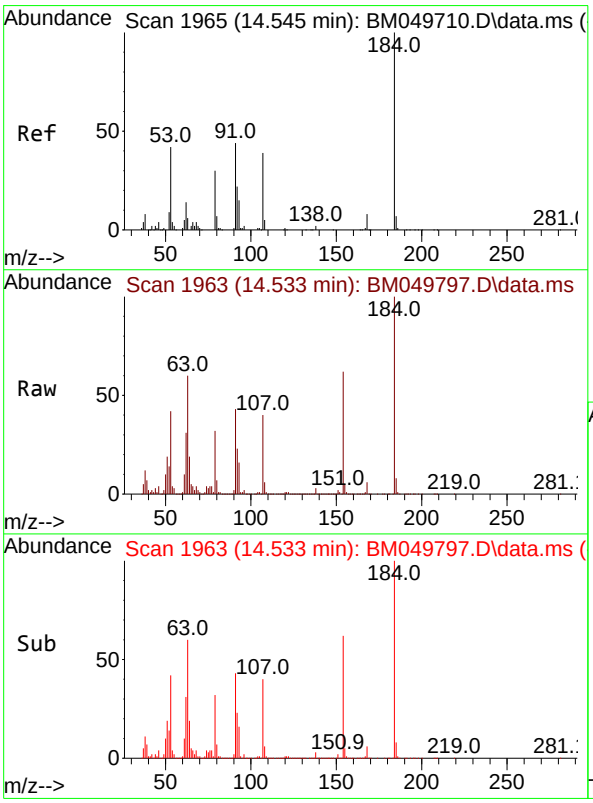
#53
3-Nitroaniline
Concen: 33.604 ng
RT: 14.327 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:138 Resp: 275566

Ion	Ratio	Lower	Upper
138	100		
108	10.2	7.5	11.3
92	114.3	88.0	132.0

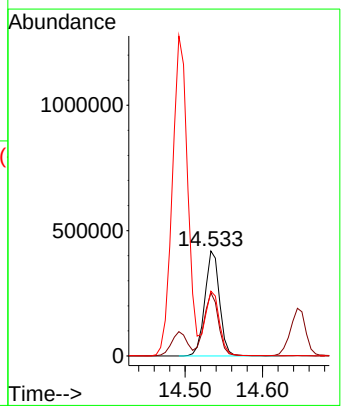


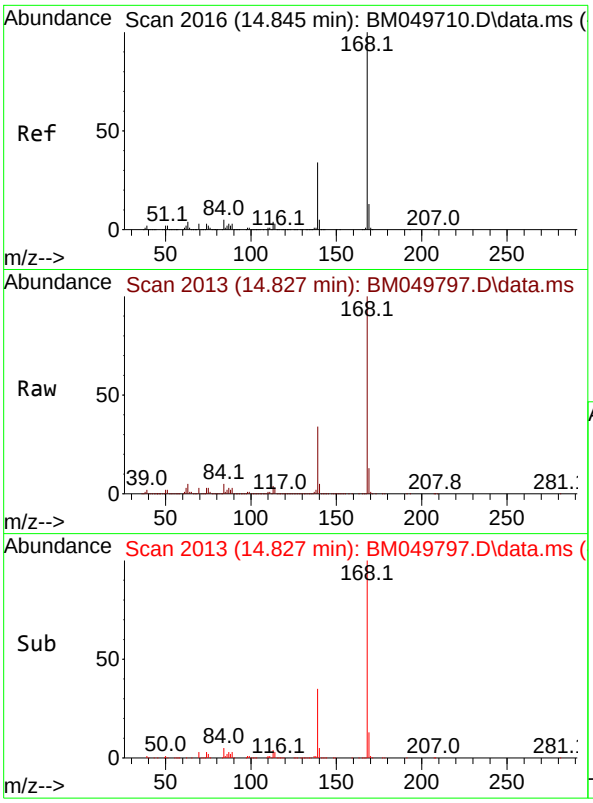


#54
2,4-Dinitrophenol
Concen: 93.863 ng
RT: 14.533 min Scan# 1963
Delta R.T. -0.012 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:184 Resp: 550947

Ion	Ratio	Lower	Upper
184	100		
63	60.1	47.2	70.8
154	61.7	49.9	74.9



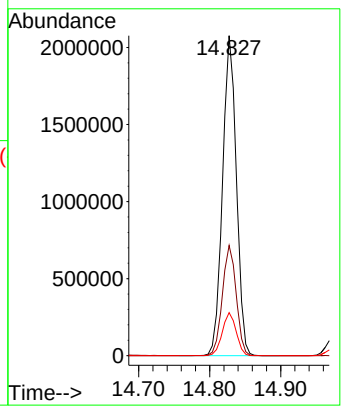


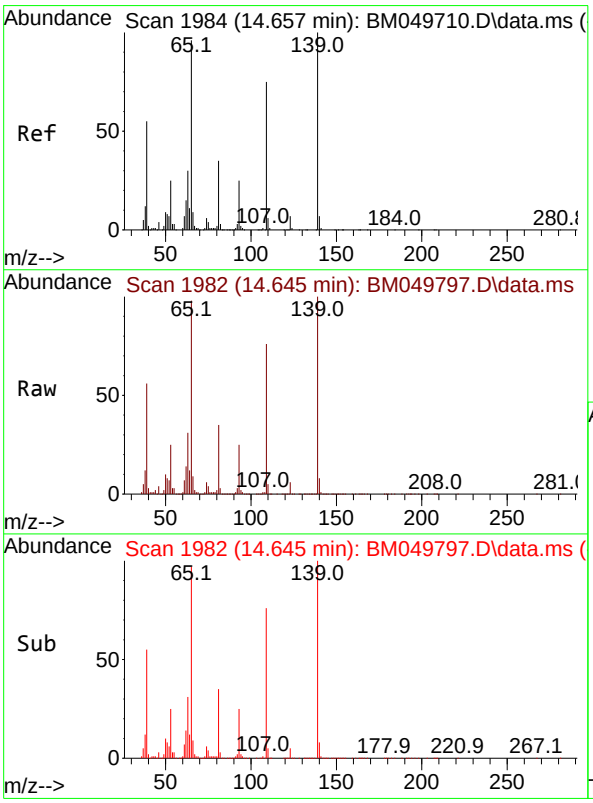
#55
Dibenzofuran
Concen: 48.772 ng
RT: 14.827 min Scan# 2(
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:168 Resp: 2792249

Ion	Ratio	Lower	Upper
168	100		
139	34.4	27.4	41.0
169	13.5	10.7	16.1

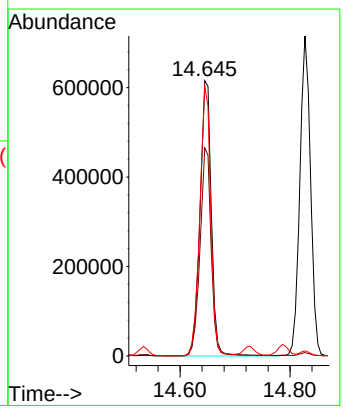


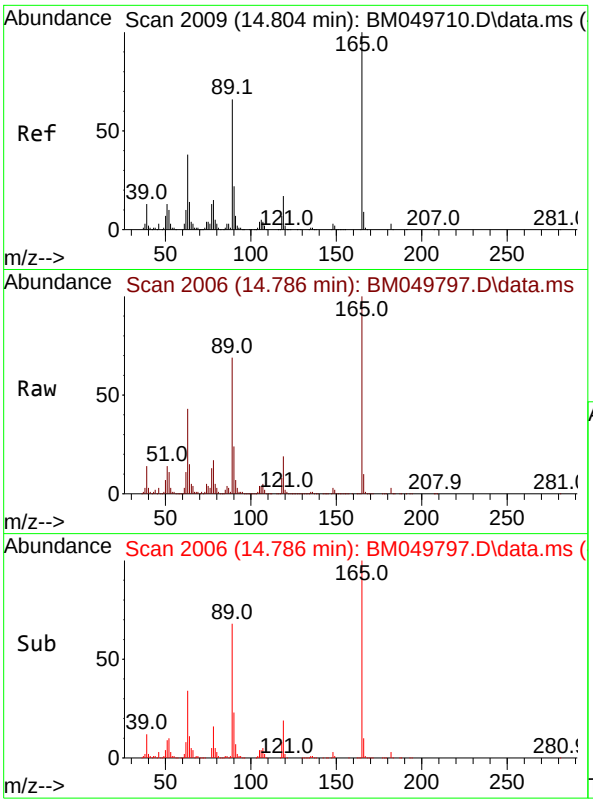


#56
4-Nitrophenol
Concen: 122.828 ng
RT: 14.645 min Scan# 1982
Delta R.T. -0.012 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:139 Resp: 876762

Ion	Ratio	Lower	Upper
139	100		
109	75.6	54.7	94.7
65	97.9	76.2	116.2



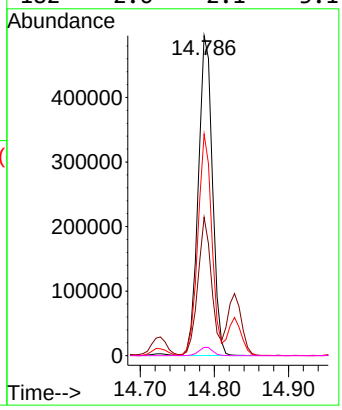


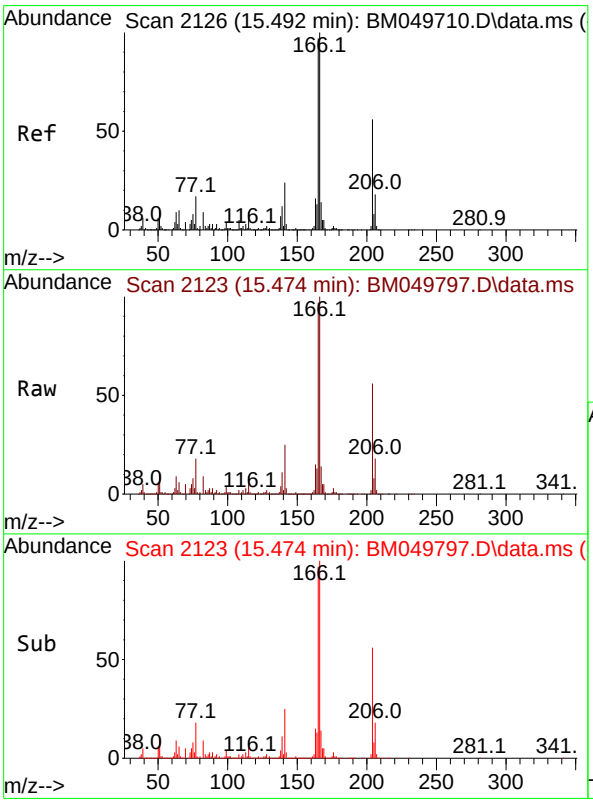
#57
2,4-Dinitrotoluene
Concen: 59.240 ng
RT: 14.786 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:165 Resp: 656900

Ion	Ratio	Lower	Upper
165	100		
63	43.2	30.8	46.2
89	69.3	53.1	79.7
182	2.6	2.1	3.1

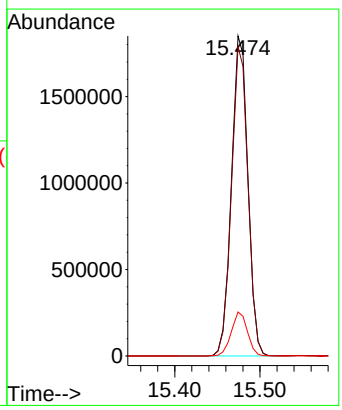


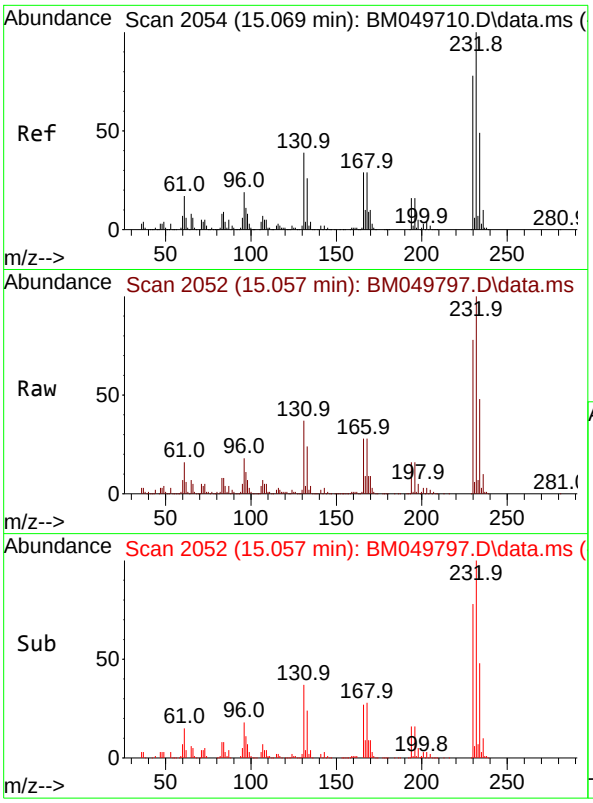


#58
Fluorene
Concen: 53.149 ng
RT: 15.474 min Scan# 2123
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:166 Resp: 2477421

Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.5	116.3
167	13.7	10.9	16.3



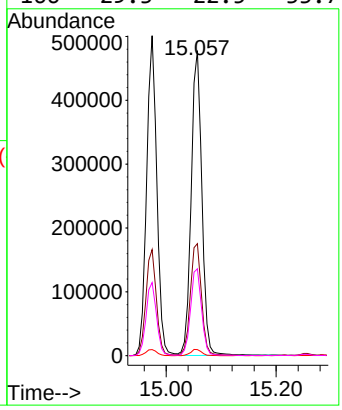


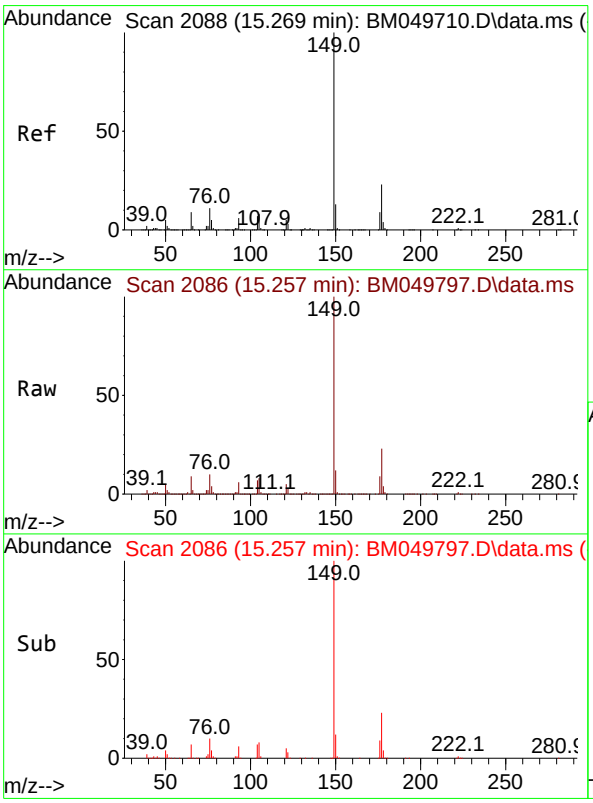
#59
2,3,4,6-Tetrachlorophenol
Concen: 54.745 ng
RT: 15.057 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:232 Resp: 642639

Ion	Ratio	Lower	Upper
232	100		
131	38.0	30.0	45.0
130	2.2	1.6	2.4
166	29.3	22.5	33.7

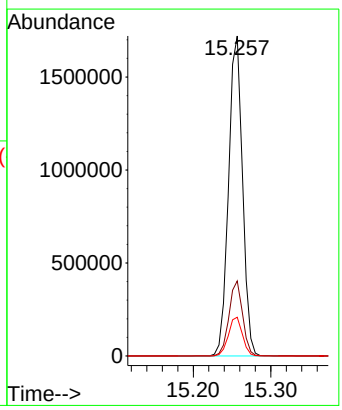


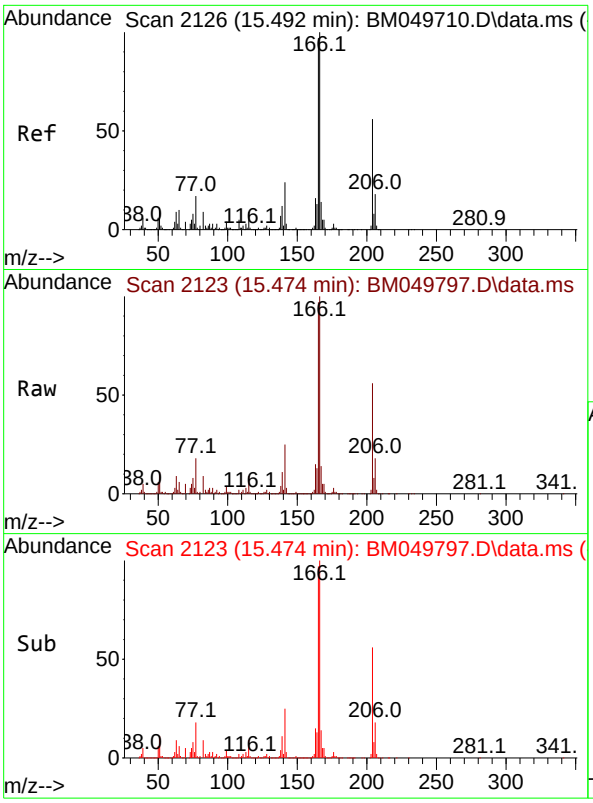


#60
Diethylphthalate
Concen: 53.221 ng
RT: 15.257 min Scan# 2086
Delta R.T. -0.012 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:149 Resp: 2155789

Ion	Ratio	Lower	Upper
149	100		
177	23.5	18.2	27.2
150	12.1	10.0	15.0



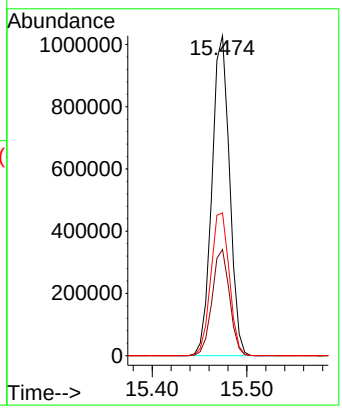


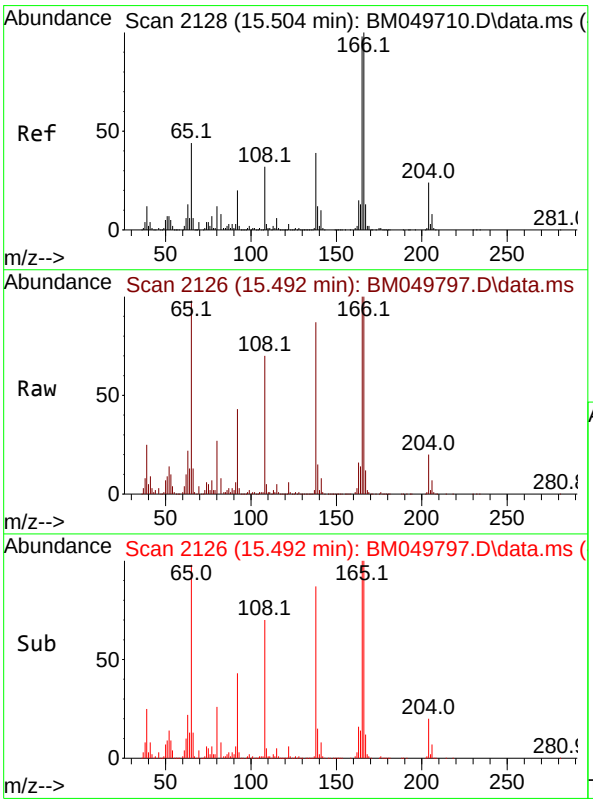
#61
4-Chlorophenyl-phenylether
Concen: 52.183 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:204 Resp: 1328231

Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.2	37.8
141	44.6	34.5	51.7

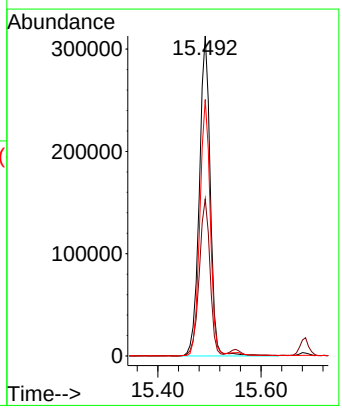


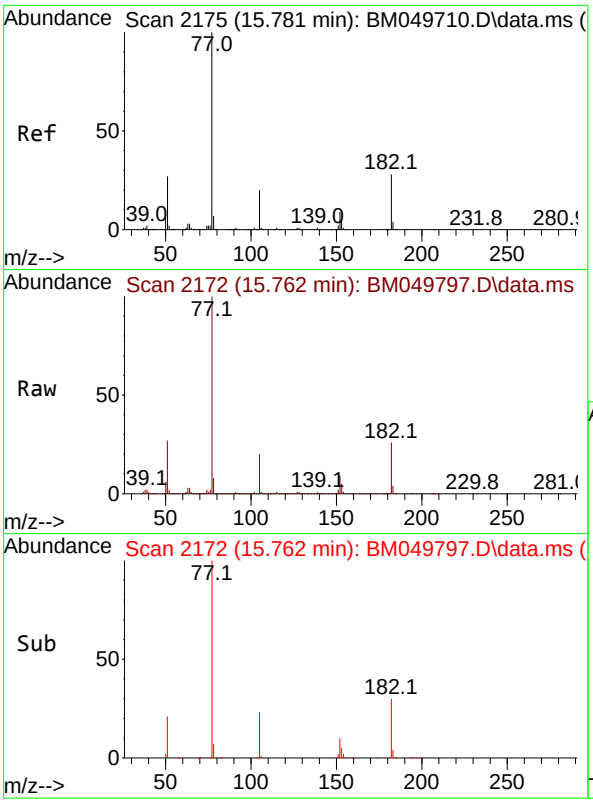


#62
4-Nitroaniline
Concen: 47.101 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:138 Resp: 458818

Ion	Ratio	Lower	Upper
138	100		
92	49.0	29.8	69.8
108	80.1	61.3	101.3



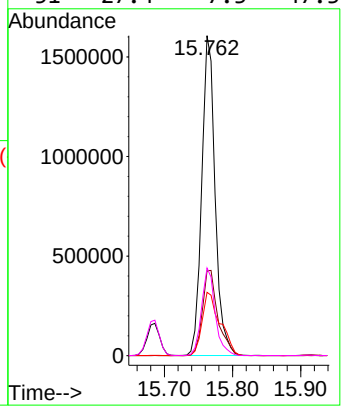


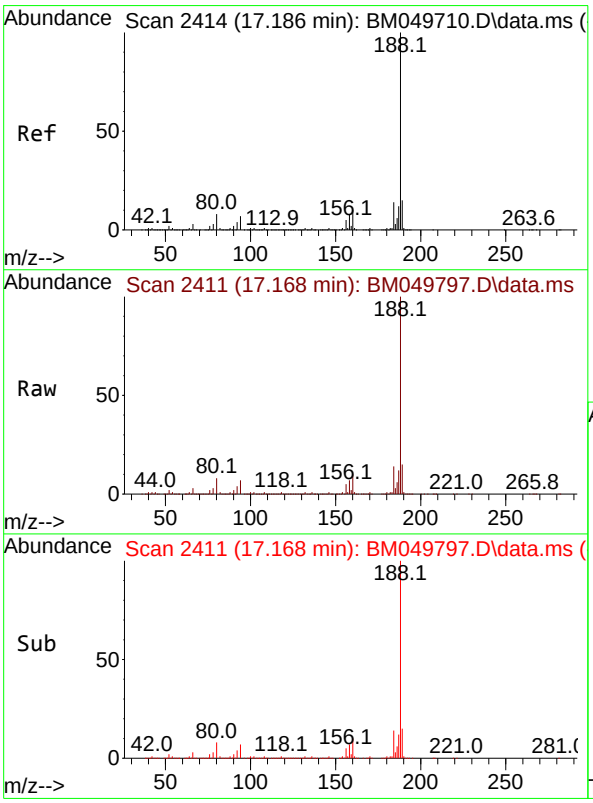
#63
Azobenzene
Concen: 56.508 ng
RT: 15.762 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion: 77 Resp: 2186320

Ion	Ratio	Lower	Upper
77	100		
182	26.5	8.0	48.0
105	19.8	0.0	40.0
51	27.4	7.3	47.3

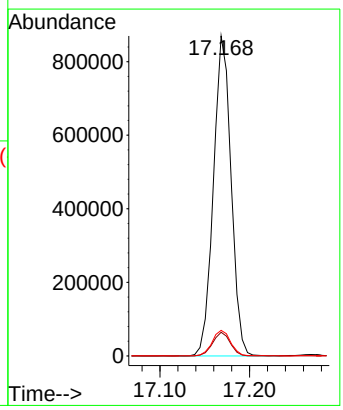


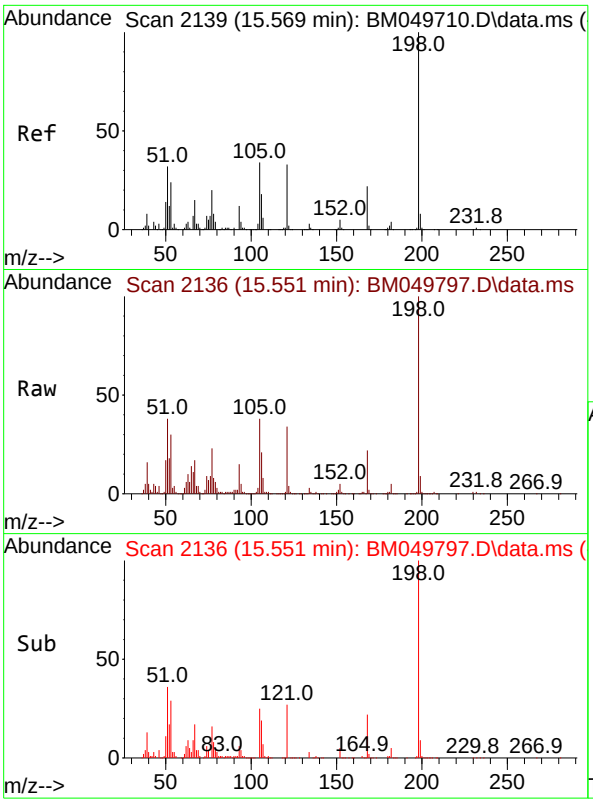


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 2411
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:188 Resp: 1190364

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.6
80	8.0	6.3	9.5



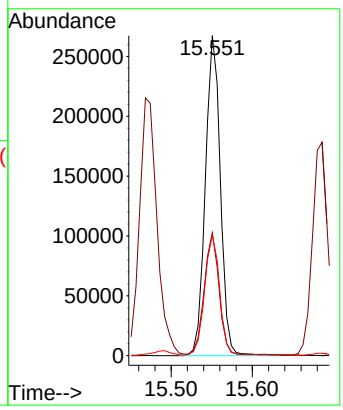


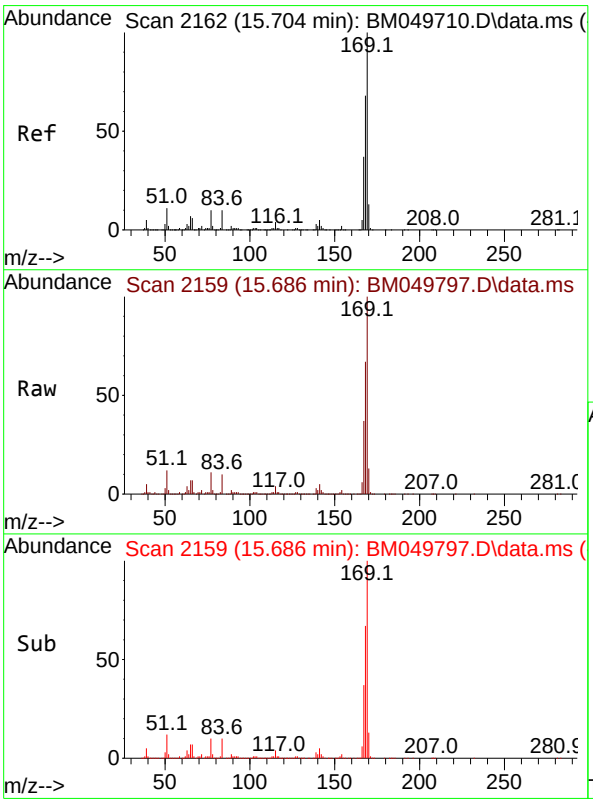
#65
4,6-Dinitro-2-methylphenol
Concen: 51.738 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:198 Resp: 341884

Ion	Ratio	Lower	Upper
198	100		
51	38.4	13.8	53.8
105	37.6	14.0	54.0

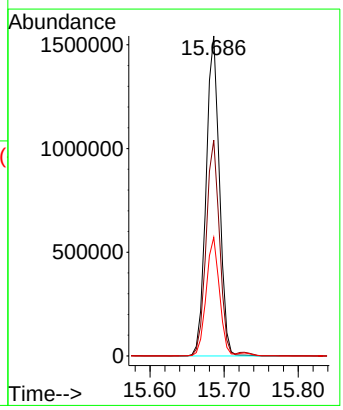


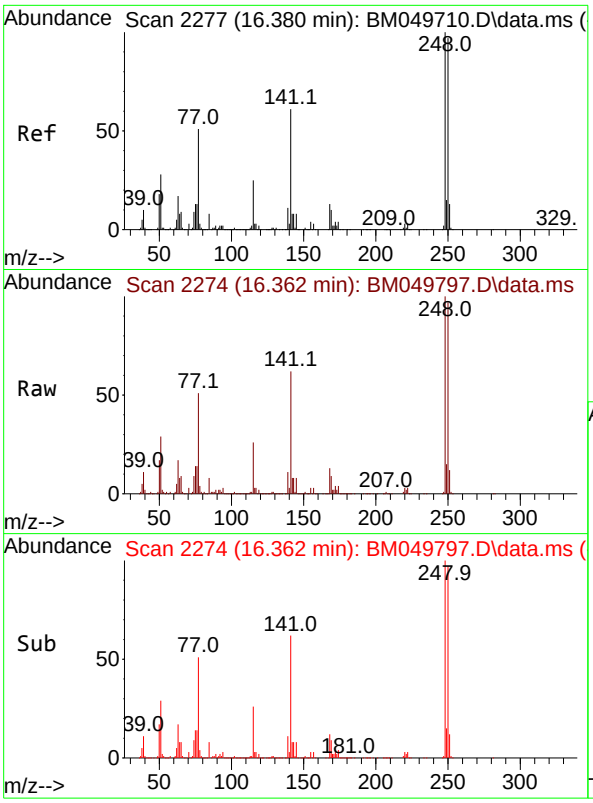


#66
n-Nitrosodiphenylamine
Concen: 53.377 ng
RT: 15.686 min Scan# 2159
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:169 Resp: 1925067

Ion	Ratio	Lower	Upper
169	100		
168	67.4	54.8	82.2
167	37.1	29.9	44.9



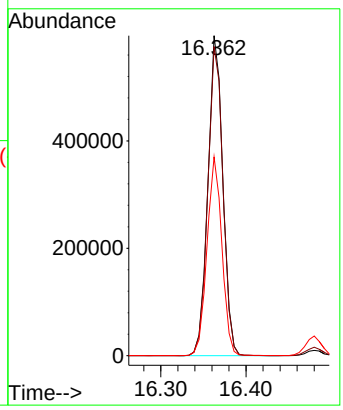


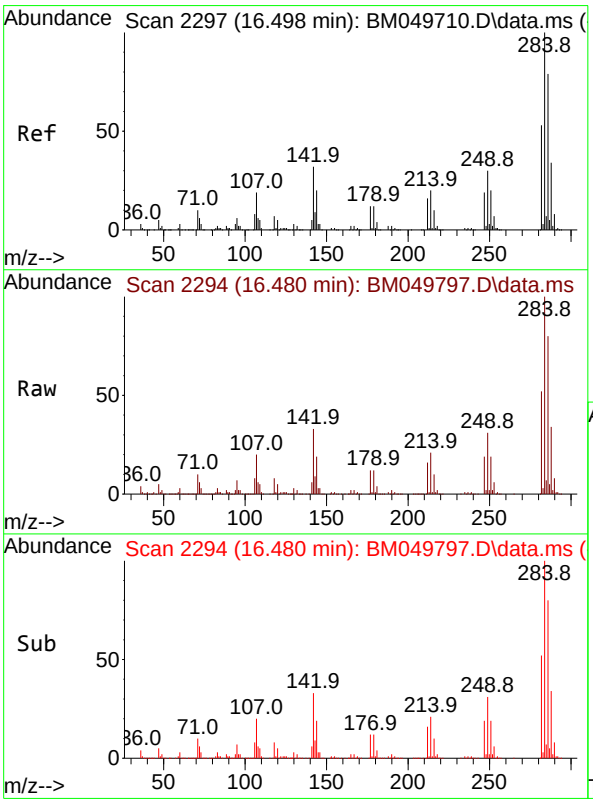
#67
4-Bromophenyl-phenylether
Concen: 52.830 ng
RT: 16.362 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:248 Resp: 726068

Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.9	116.9
141	62.1	48.6	73.0

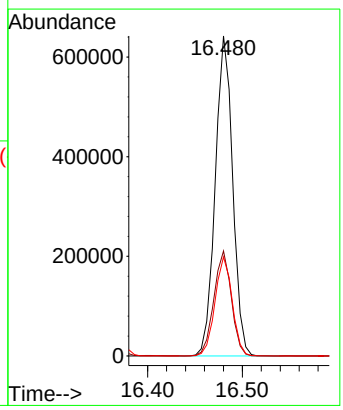


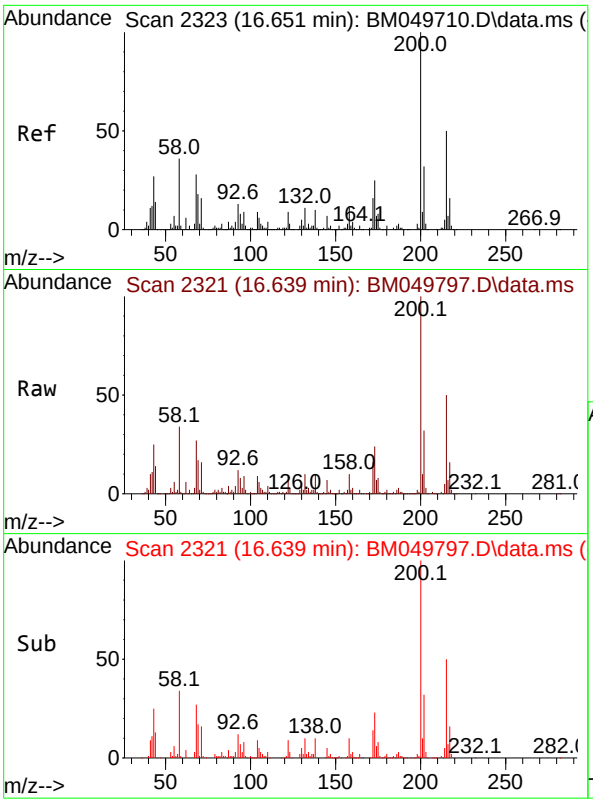


#68
Hexachlorobenzene
Concen: 53.122 ng
RT: 16.480 min Scan# 2294
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:284 Resp: 820993

Ion	Ratio	Lower	Upper
284	100		
142	32.8	25.5	38.3
249	30.9	24.2	36.2



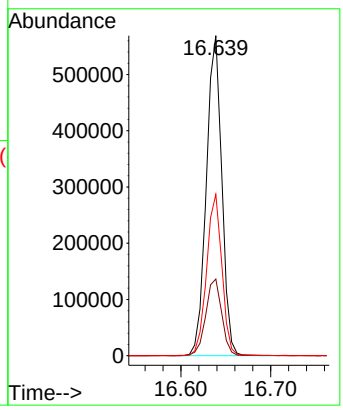


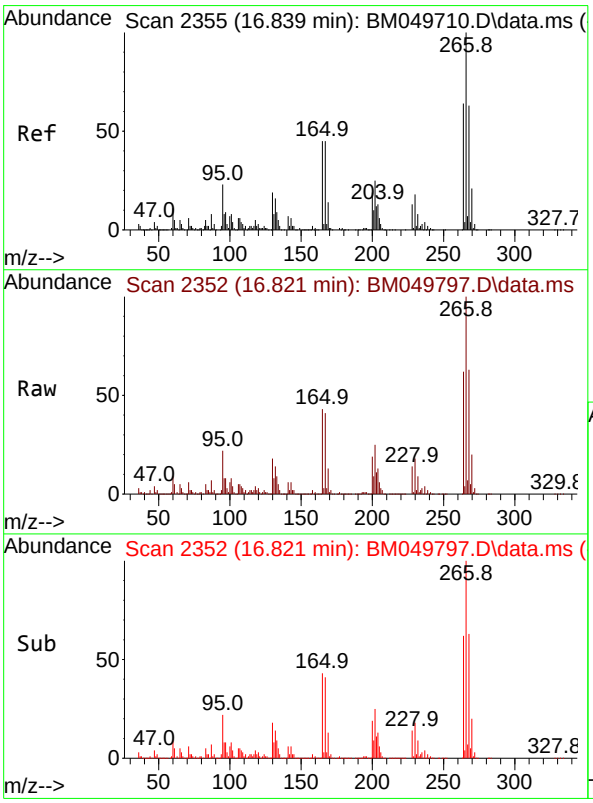
#69
Atrazine
Concen: 85.721 ng
RT: 16.639 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:200 Resp: 681338

Ion	Ratio	Lower	Upper
200	100		
173	23.9	5.4	45.4
215	50.4	29.8	69.8

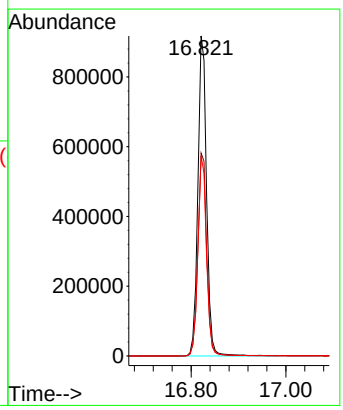


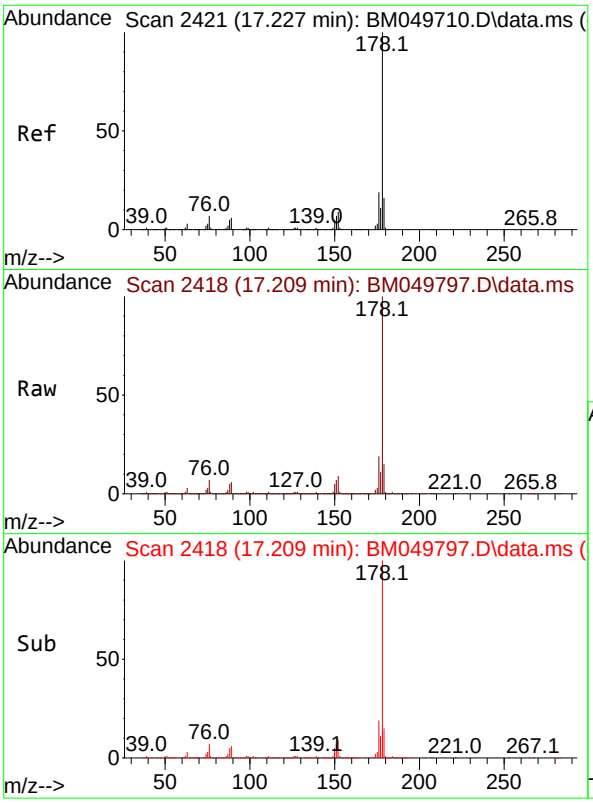


#70
Pentachlorophenol
Concen: 119.856 ng
RT: 16.821 min Scan# 2352
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:266 Resp: 1164076

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.2	75.2
264	62.5	51.3	76.9



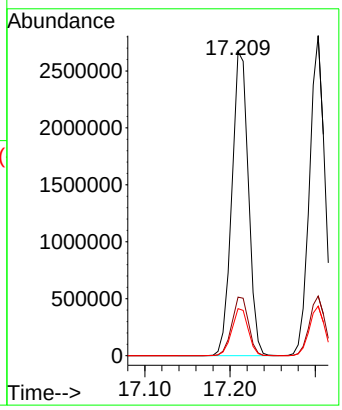


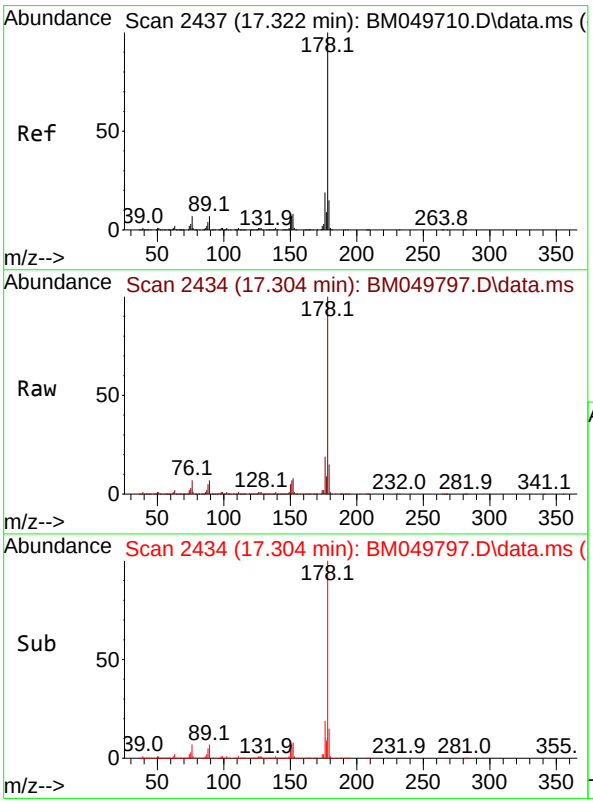
#71
Phenanthrene
Concen: 54.469 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:178 Resp: 3600322

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.4	12.5	18.7

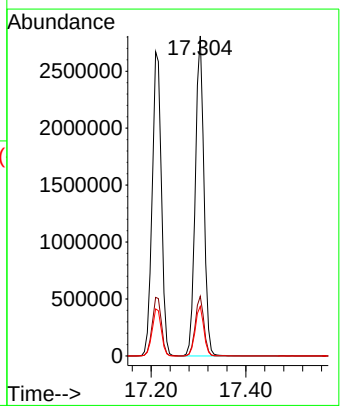


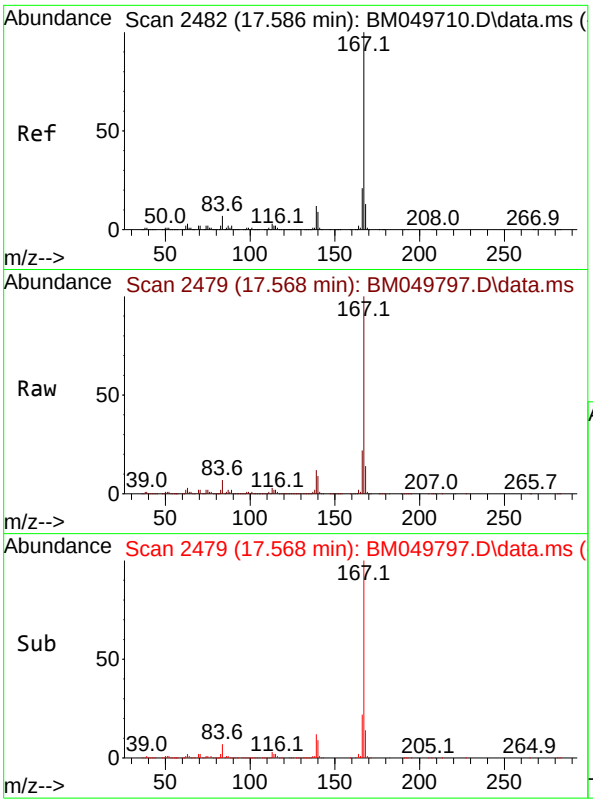


#72
Anthracene
Concen: 55.441 ng
RT: 17.304 min Scan# 2434
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:178 Resp: 3548922

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



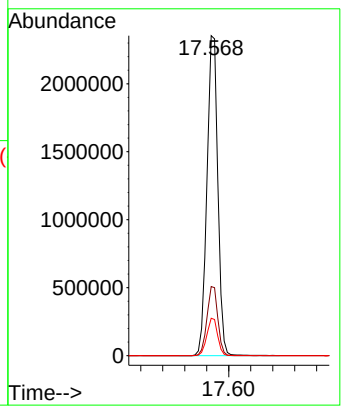


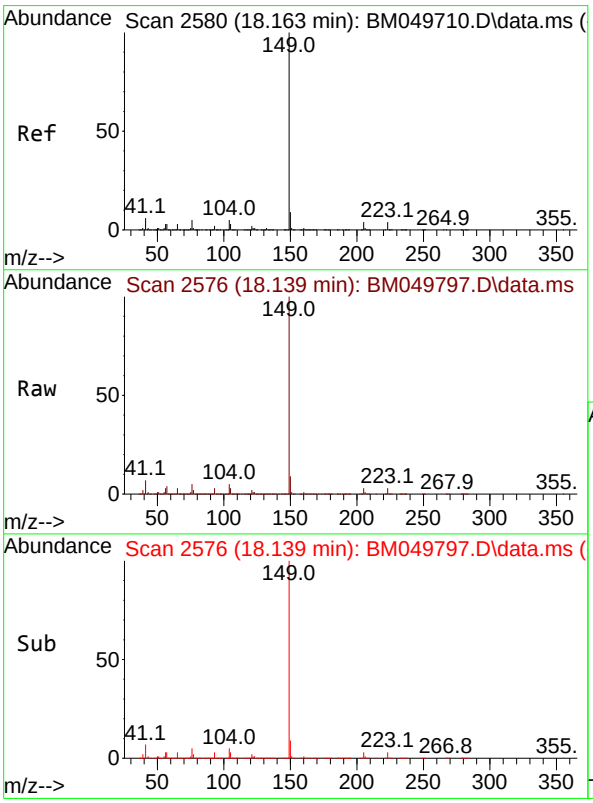
#73
Carbazole
Concen: 55.635 ng
RT: 17.568 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:167 Resp: 3225290

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	11.7	9.4	14.2

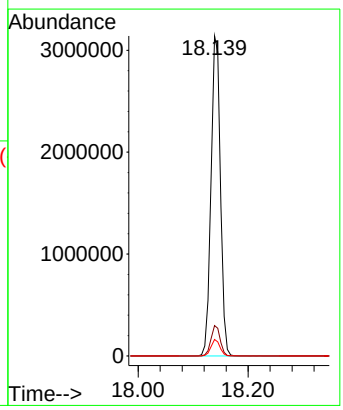


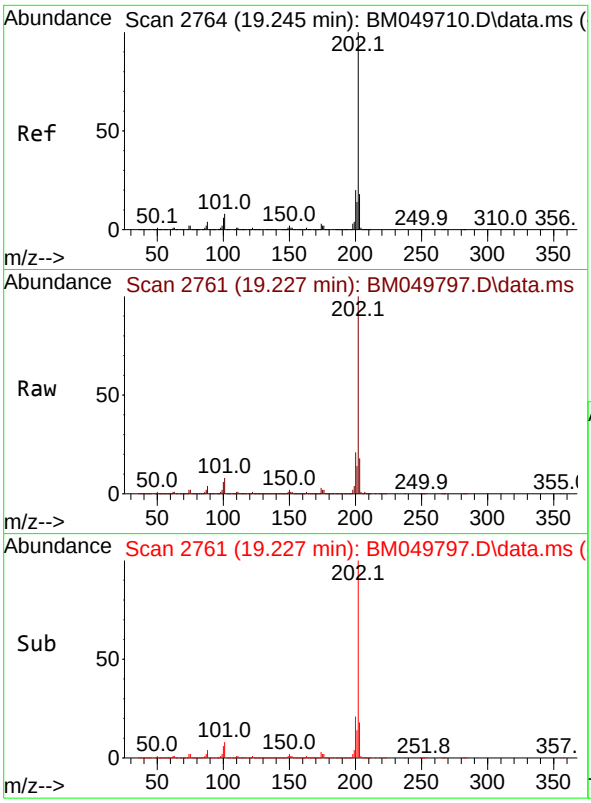


#74
Di-n-butylphthalate
Concen: 58.427 ng
RT: 18.139 min Scan# 2576
Delta R.T. -0.024 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:149 Resp: 3712455

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.2	10.8
104	5.1	3.9	5.9



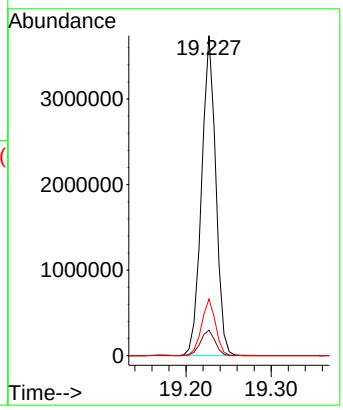


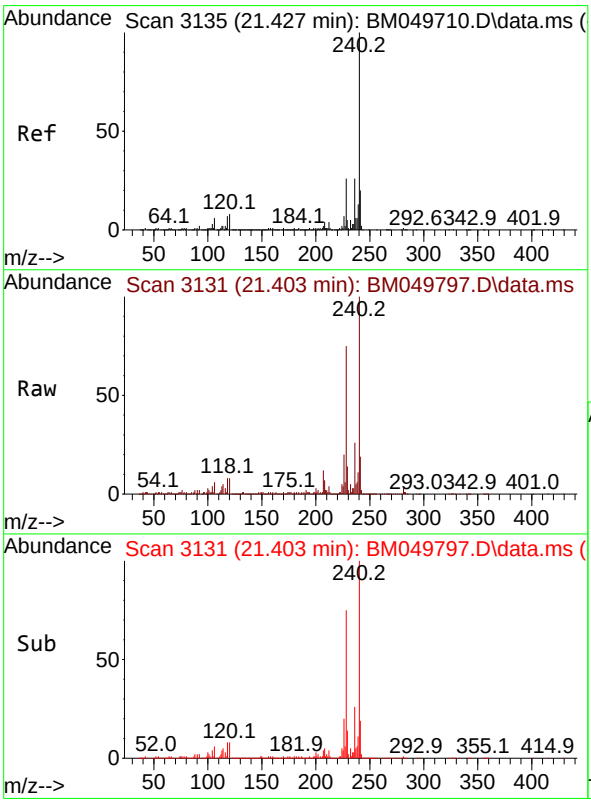
#75
Fluoranthene
Concen: 56.762 ng
RT: 19.227 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:202 Resp: 4319512

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	27.8
203	17.7	0.0	37.6

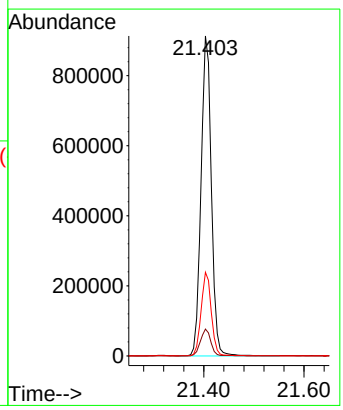


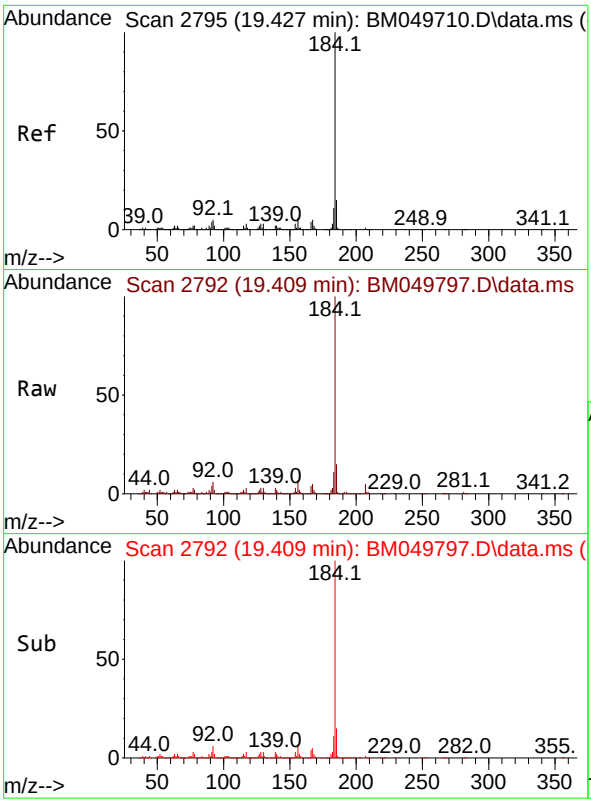


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:240 Resp: 1305132

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.5	9.7
236	26.2	20.7	31.1



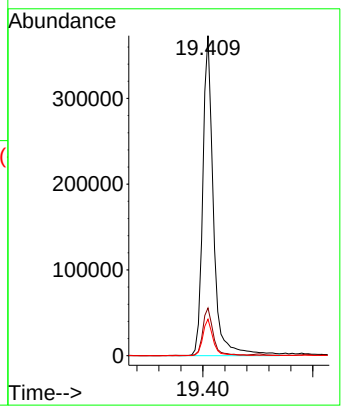


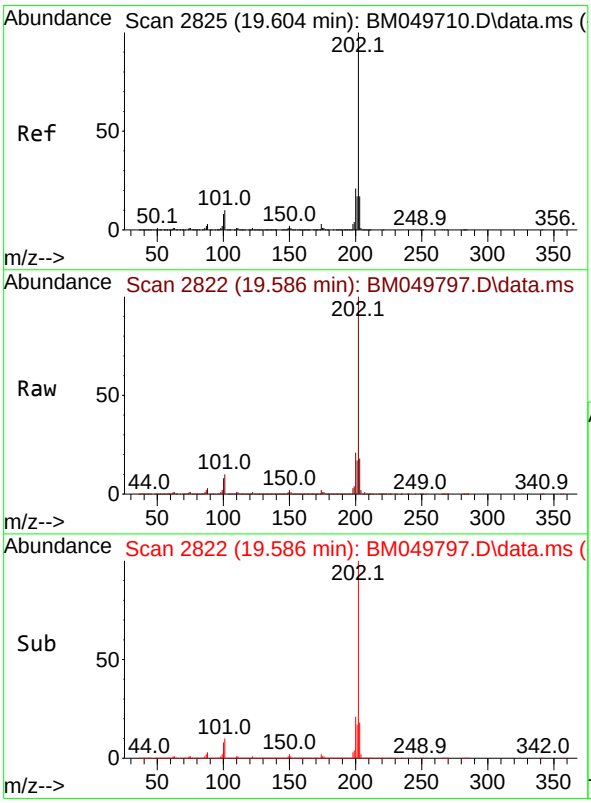
#77
Benzidine
Concen: 32.305 ng
RT: 19.409 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:184 Resp: 506542

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.7	17.5
183	11.4	8.8	13.2

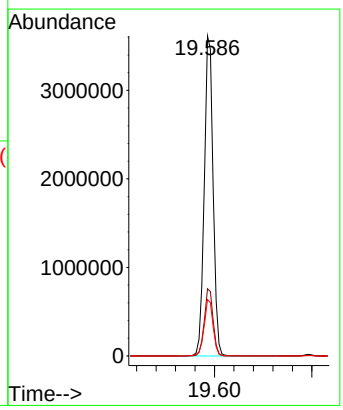


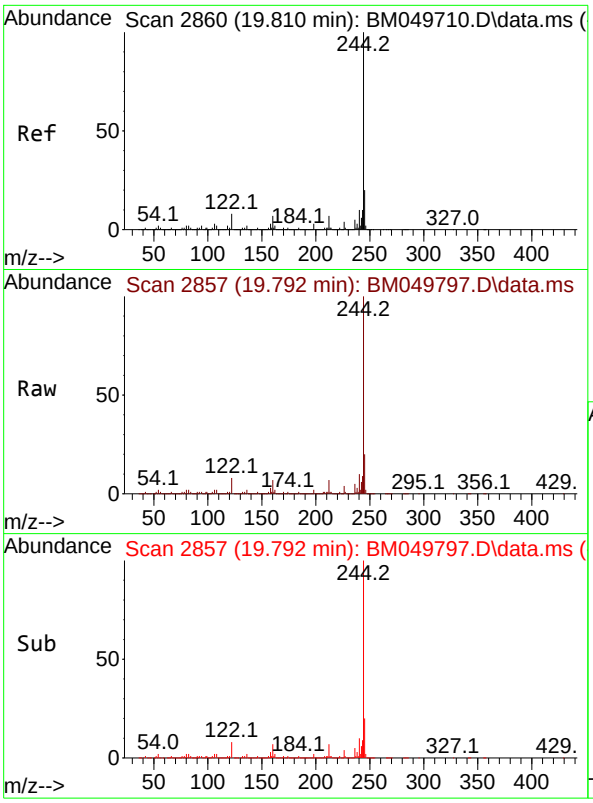


#78
Pyrene
Concen: 49.710 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:202 Resp: 4532729

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.6	14.0	21.0



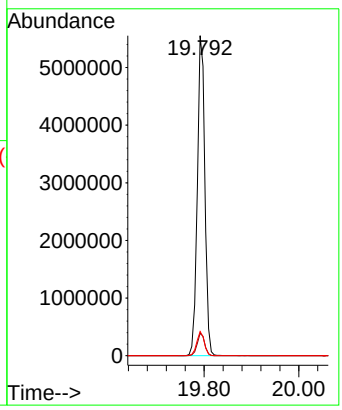


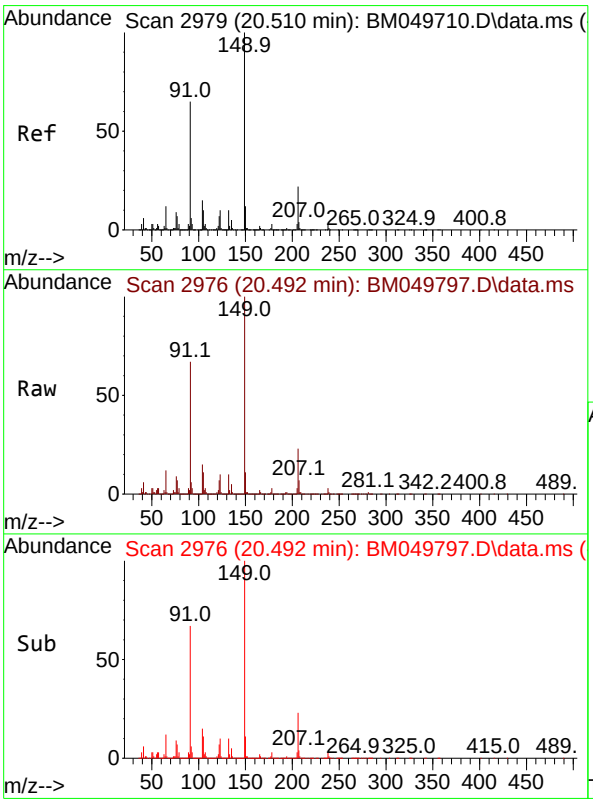
#79
Terphenyl-d14
Concen: 78.950 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:244 Resp: 6114689

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	7.6	6.0	9.0

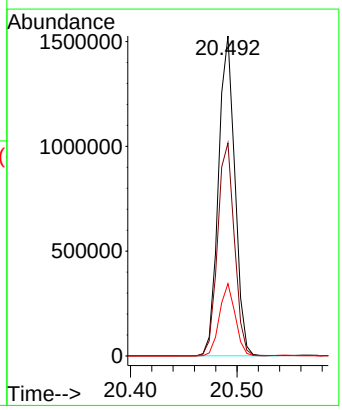


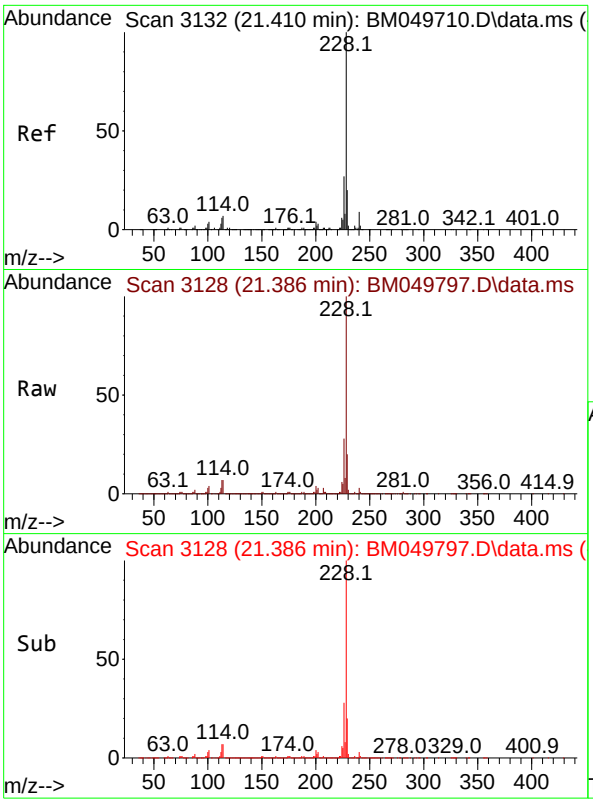


#80
Butylbenzylphthalate
Concen: 57.628 ng
RT: 20.492 min Scan# 2976
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:149 Resp: 1630738

Ion	Ratio	Lower	Upper
149	100		
91	66.5	52.2	78.4
206	22.6	17.6	26.4



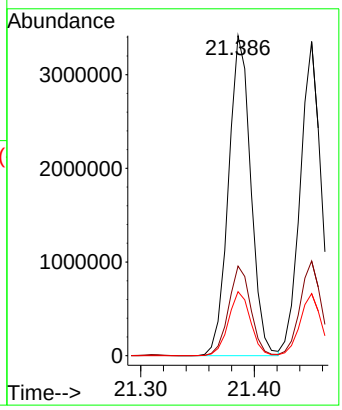


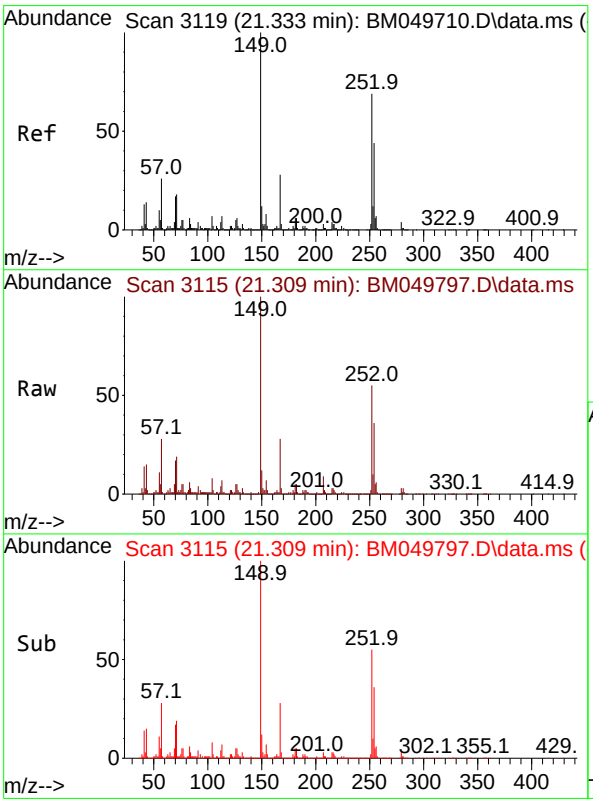
#81
Benzo(a)anthracene
Concen: 53.455 ng
RT: 21.386 min Scan# 3
Delta R.T. -0.024 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:228 Resp: 4659926

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.0	33.0
229	20.0	15.8	23.8

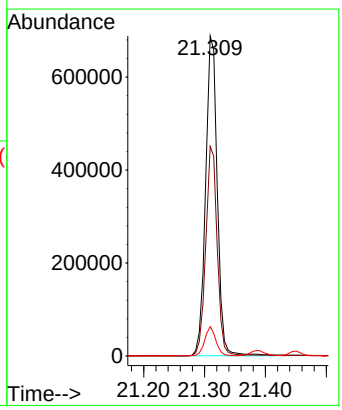


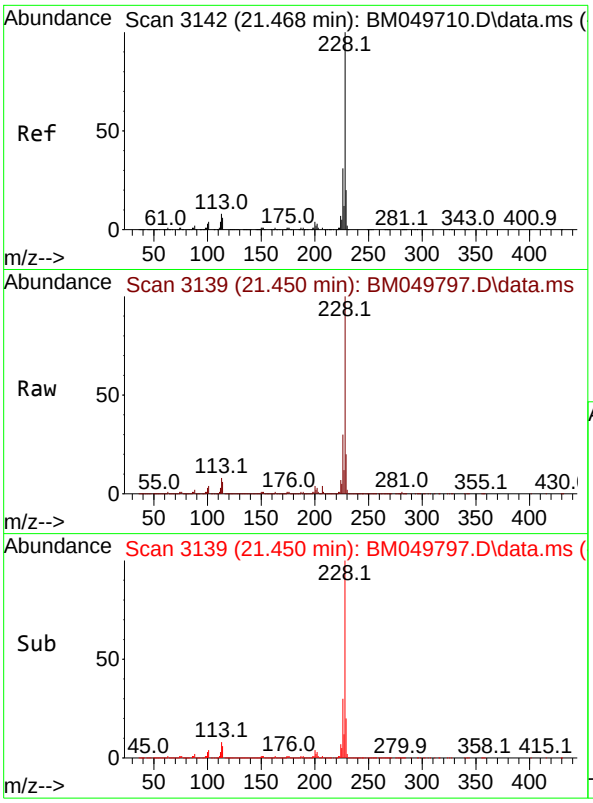


#82
3,3'-Dichlorobenzidine
Concen: 32.400 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.024 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:252 Resp: 919581

Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.0	76.4
126	9.2	6.3	9.5



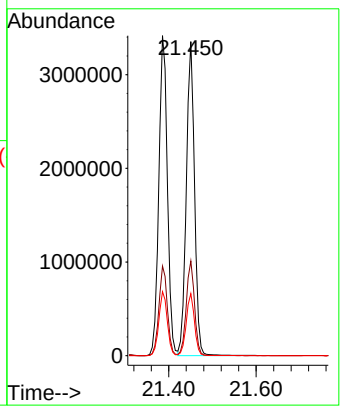


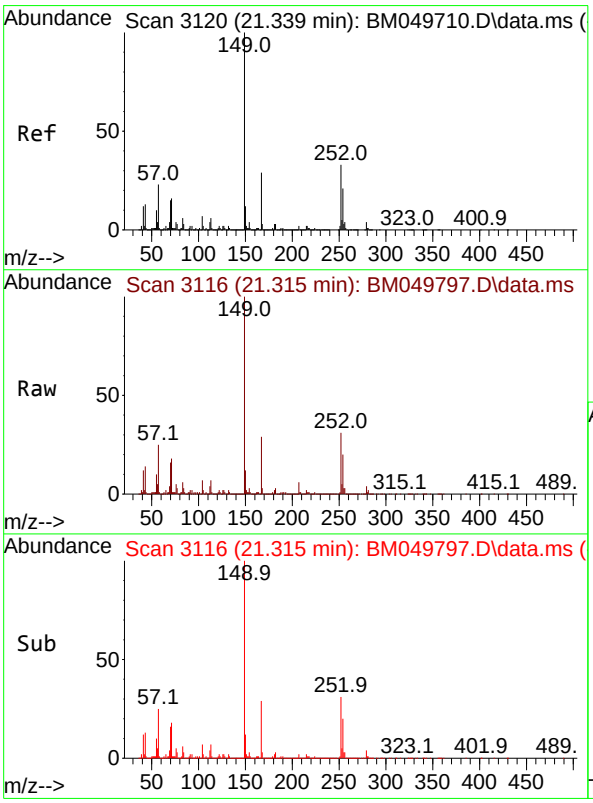
#83
Chrysene
Concen: 52.459 ng
RT: 21.450 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:228 Resp: 4334970

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.5	36.7
229	19.8	15.8	23.6

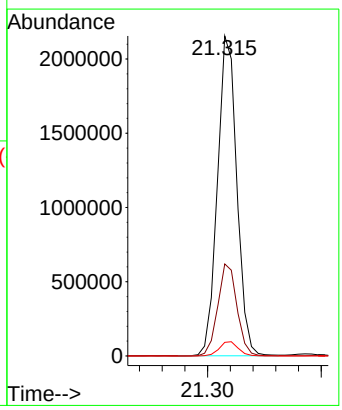


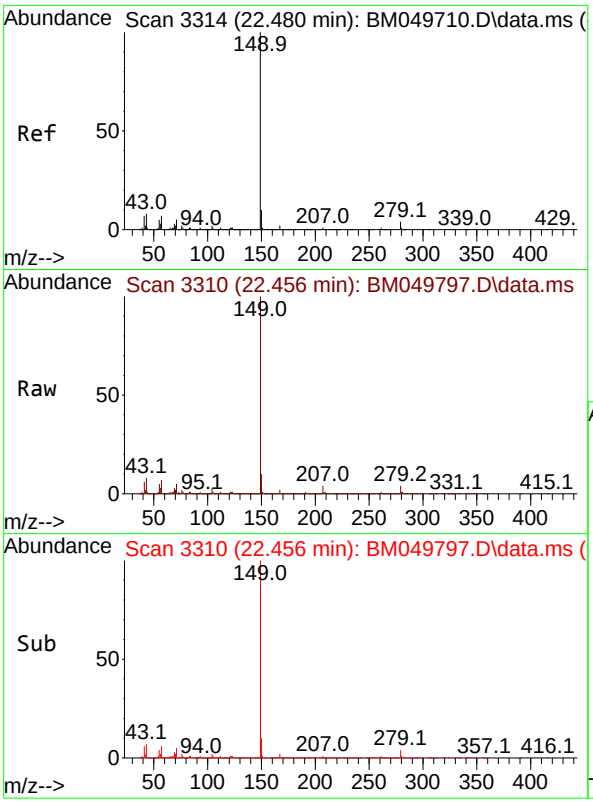


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.949 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.024 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:149 Resp: 2555614

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.9	34.3
279	4.3	3.5	5.3



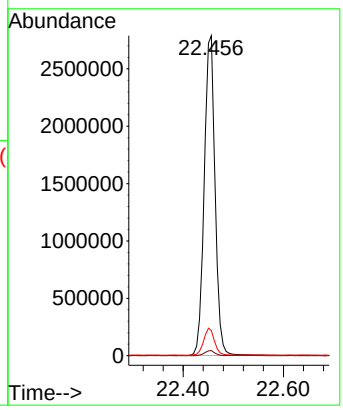


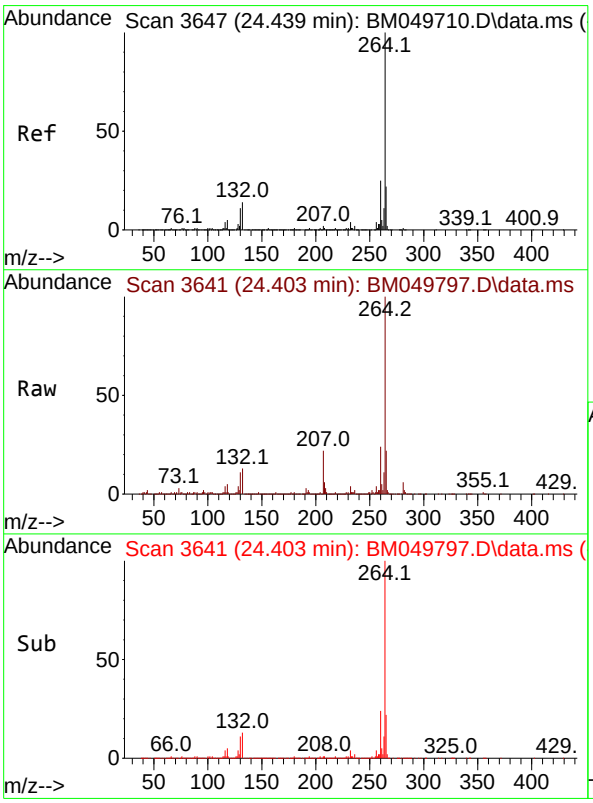
#85
Di-n-octyl phthalate
Concen: 61.085 ng
RT: 22.456 min Scan# 3
Delta R.T. -0.024 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:149 Resp: 4187106

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.4	6.8	10.2

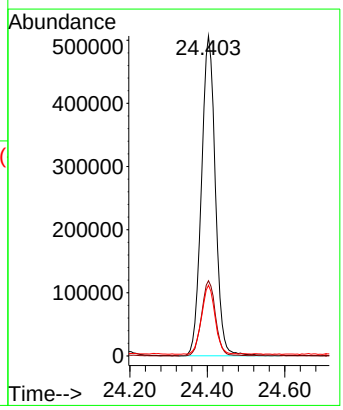


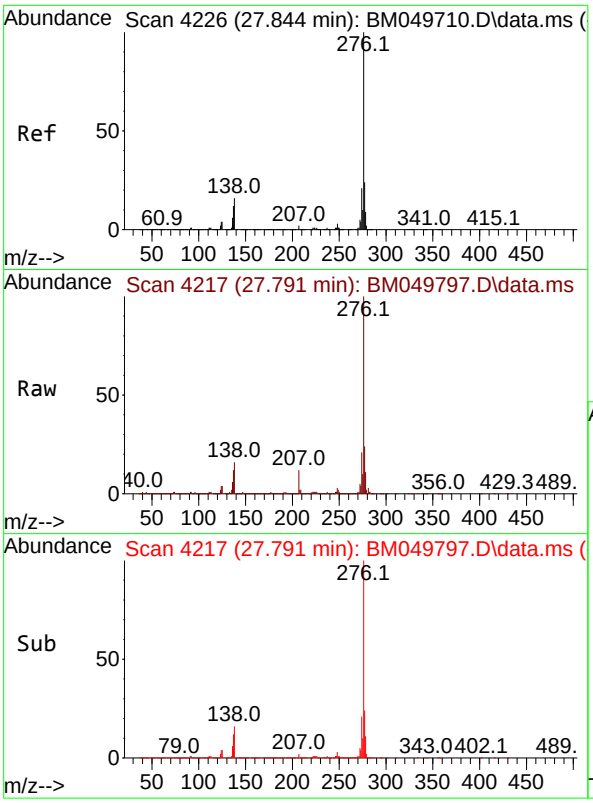


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.036 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:264 Resp: 1260592

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.6	29.4
265	22.1	18.2	27.2



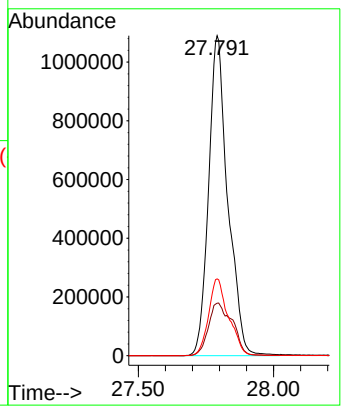


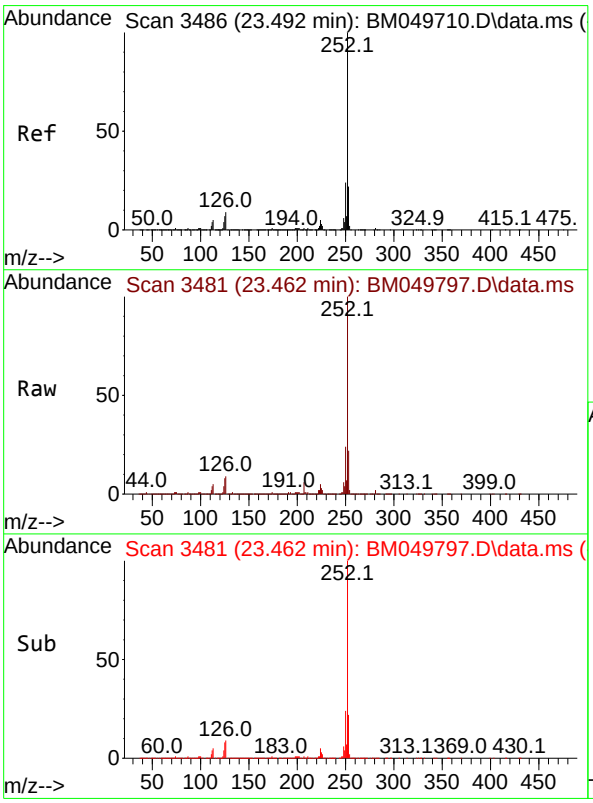
#87
Indeno(1,2,3-cd)pyrene
Concen: 59.221 ng
RT: 27.791 min Scan# 4
Delta R.T. -0.053 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:276 Resp: 5373215

Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.3	24.5
277	25.1	19.9	29.9

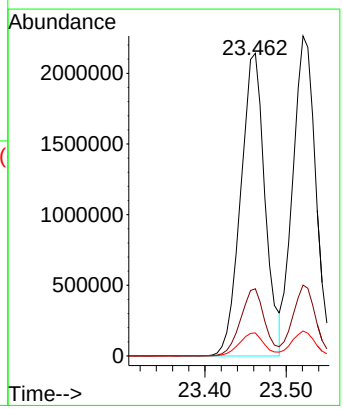


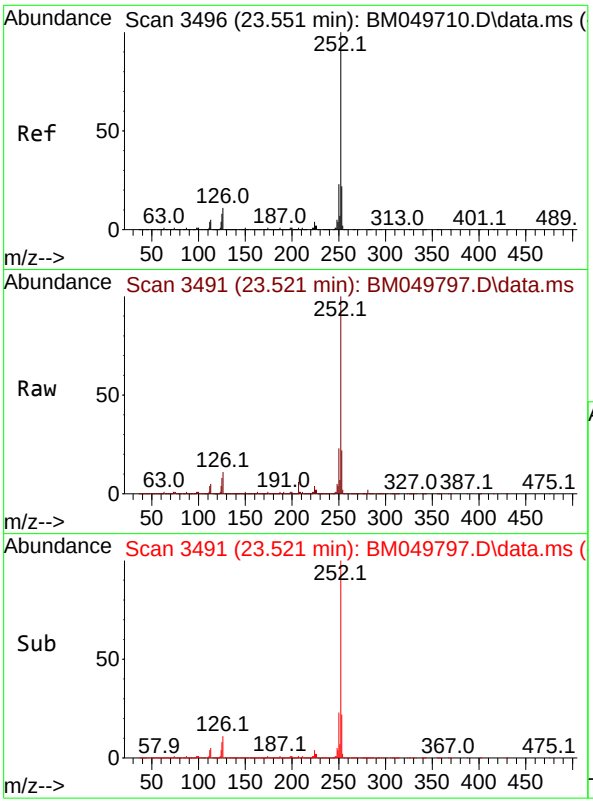


#88
Benzo(b)fluoranthene
Concen: 52.503 ng
RT: 23.462 min Scan# 3481
Delta R.T. -0.030 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:252 Resp: 4457784

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	7.6	5.9	8.9



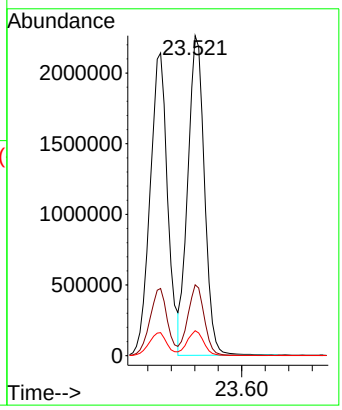


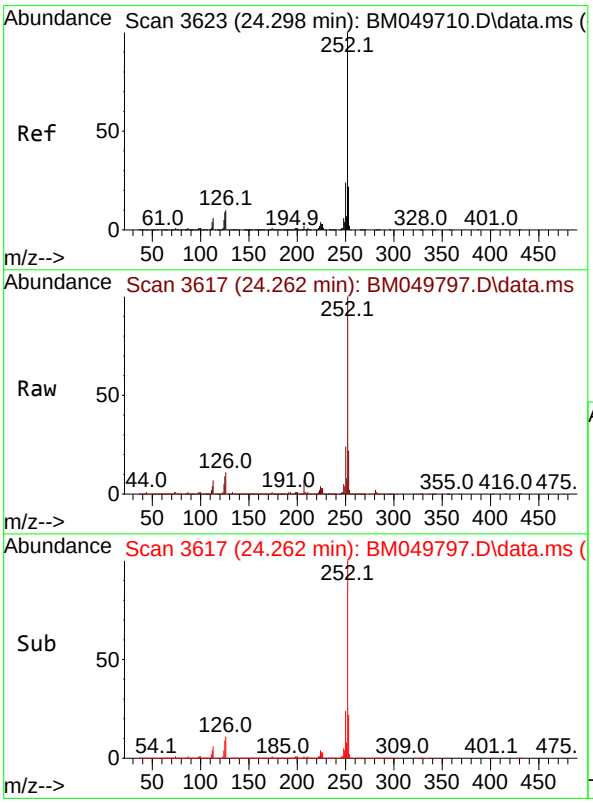
#89
Benzo(k)fluoranthene
Concen: 53.309 ng
RT: 23.521 min Scan# 34
Delta R.T. -0.030 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:252 Resp: 4453739

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.3	25.9
125	7.8	6.2	9.2

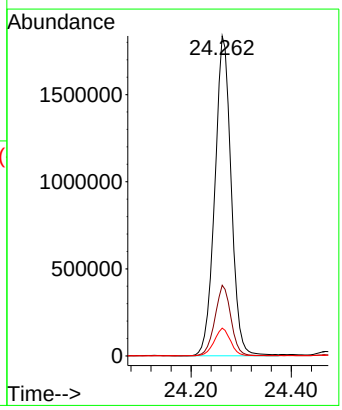


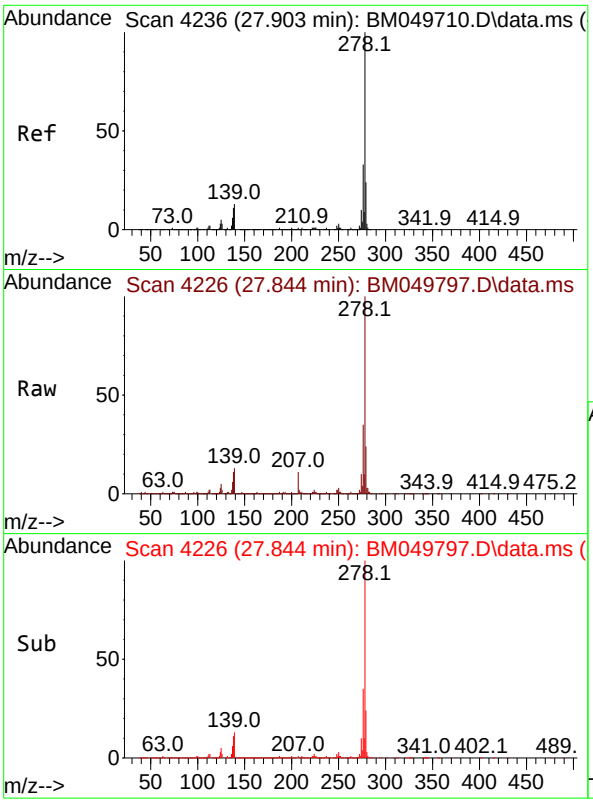


#90
Benzo(a)pyrene
Concen: 58.186 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.036 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:252 Resp: 4149647

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	8.7	7.0	10.6



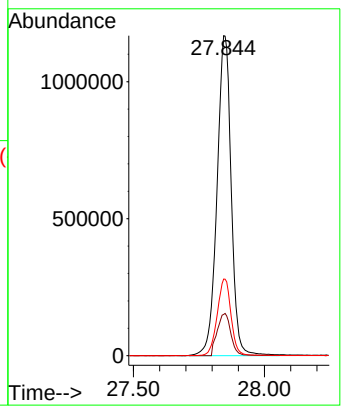


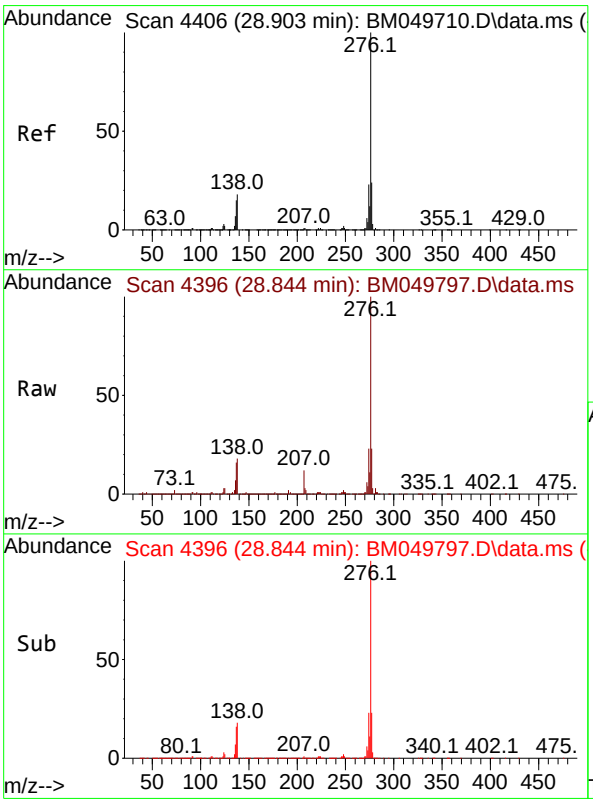
#91
Dibenzo(a,h)anthracene
Concen: 58.140 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.059 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MS

Tgt Ion:278 Resp: 4395031

Ion	Ratio	Lower	Upper
278	100		
139	12.9	10.1	15.1
279	23.9	19.1	28.7

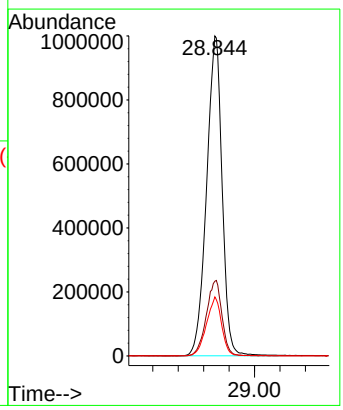




#92
Benzo(g,h,i)perylene
Concen: 55.602 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.059 min
Lab File: BM049797.D
Acq: 02 Apr 2025 19:18

Tgt Ion:276 Resp: 4233742

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.8	28.2
138	18.4	14.0	21.0



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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MSD	SDG No.:	Q1664
Lab Sample ID:	Q1664-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049798.D	1	03/28/25 09:40	04/02/25 19:57	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	2100		170	360	ug/Kg
108-95-2	Phenol	2100		24.1	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2000		26.5	190	ug/Kg
95-57-8	2-Chlorophenol	2000		26.6	190	ug/Kg
95-48-7	2-Methylphenol	2200		32.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2100		40.8	190	ug/Kg
98-86-2	Acetophenone	1900		32.1	190	ug/Kg
65794-96-9	3+4-Methylphenols	2200		44.8	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		51.6	87.1	ug/Kg
67-72-1	Hexachloroethane	1900		19.2	190	ug/Kg
98-95-3	Nitrobenzene	1900		19.9	190	ug/Kg
78-59-1	Isophorone	2200		35.7	190	ug/Kg
88-75-5	2-Nitrophenol	2100		63.4	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2200		70.6	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		33.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		30.8	190	ug/Kg
91-20-3	Naphthalene	1800		24.7	190	ug/Kg
106-47-8	4-Chloroaniline	740		38.5	190	ug/Kg
87-68-3	Hexachlorobutadiene	1800		27.6	190	ug/Kg
105-60-2	Caprolactam	2300		56.7	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2100		31.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	1700		27.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5500	E	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2100		21.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2100		31.7	190	ug/Kg
92-52-4	1,1-Biphenyl	1900		23.7	190	ug/Kg
91-58-7	2-Chloronaphthalene	1900		24.5	190	ug/Kg
88-74-4	2-Nitroaniline	2200		52.4	190	ug/Kg
131-11-3	Dimethylphthalate	1900		29.5	190	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MSD	SDG No.:	Q1664
Lab Sample ID:	Q1664-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049798.D	1	03/28/25 09:40	04/02/25 19:57	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2100		31.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		36.6	190	ug/Kg
99-09-2	3-Nitroaniline	1300		50.1	190	ug/Kg
83-32-9	Acenaphthene	1900		23.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	3600	E	250	360	ug/Kg
100-02-7	4-Nitrophenol	4700	E	120	360	ug/Kg
132-64-9	Dibenzofuran	1800		24.7	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	2200		54.6	190	ug/Kg
84-66-2	Diethylphthalate	2000		30.8	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000		29.1	190	ug/Kg
86-73-7	Fluorene	2000		27.6	190	ug/Kg
100-01-6	4-Nitroaniline	1800		69.9	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		35.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		30.3	190	ug/Kg
118-74-1	Hexachlorobenzene	2000		27.6	190	ug/Kg
1912-24-9	Atrazine	3200	E	37.0	190	ug/Kg
87-86-5	Pentachlorophenol	4500	E	55.9	360	ug/Kg
85-01-8	Phenanthrene	2000		22.8	190	ug/Kg
120-12-7	Anthracene	2000		36.3	190	ug/Kg
86-74-8	Carbazole	2000		34.0	190	ug/Kg
84-74-2	Di-n-butylphthalate	2100		52.2	190	ug/Kg
206-44-0	Fluoranthene	2100		32.7	190	ug/Kg
129-00-0	Pyrene	1900		39.2	190	ug/Kg
85-68-7	Butylbenzylphthalate	2200		77.8	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		40.0	360	ug/Kg
56-55-3	Benzo(a)anthracene	2000		25.0	190	ug/Kg
218-01-9	Chrysene	1900		21.7	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		64.5	190	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		94.5	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		20.7	190	ug/Kg

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

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	03/26/25
Project:	RFP 905	Date Received:	03/27/25
Client Sample ID:	P001-BBDGA-001-01MSD	SDG No.:	Q1664
Lab Sample ID:	Q1664-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM049798.D	1	03/28/25 09:40	04/02/25 19:57	PB167369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2000		24.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	2100		32.1	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		31.7	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2100		29.8	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		28.0	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		27.9	190	ug/Kg
123-91-1	1,4-Dioxane	1600		49.2	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2100		29.8	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	102		18 - 112	68%	SPK: 150
13127-88-3	Phenol-d6	120		15 - 107	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.7		18 - 107	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.3		20 - 109	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.4		10 - 116	62%	SPK: 150
1718-51-0	Terphenyl-d14	82.9		10 - 105	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	300000	7.787			
1146-65-2	Naphthalene-d8	1080000	10.581			
15067-26-2	Acenaphthene-d10	695000	14.427			
1517-22-2	Phenanthrene-d10	1360000	17.168			
1719-03-5	Chrysene-d12	1430000	21.403			
1520-96-3	Perylene-d12	1370000	24.403			

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\BM040225\
Data File : BM049798.D
Acq On : 02 Apr 2025 19:57
Operator : RC/JU
Sample : Q1664-03MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Quant Time: Apr 03 00:49:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	300045	20.000	ng	-0.02
21) Naphthalene-d8	10.581	136	1080754	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	695223	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1362596	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1430633	20.000	ng	-0.02
86) Perylene-d12	24.403	264	1371215	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1820570	102.381	ng	-0.02
7) Phenol-d6	6.963	99	2687571	120.433	ng	-0.02
23) Nitrobenzene-d5	8.945	82	1677492	79.690	ng	-0.02
42) 2,4,6-Tribromophenol	15.916	330	750465	92.443	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	4235386	76.296	ng	-0.02
79) Terphenyl-d14	19.792	244	7040353	82.927	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.269	88	345916	44.936	ng	99
3) Pyridine	3.669	79	950059	48.326	ng	99
4) n-Nitrosodimethylamine	3.575	42	437212	50.262	ng	96
6) Aniline	7.116	93	659532	35.277	ng	99
8) 2-Chlorophenol	7.357	128	978280	55.554	ng	99
9) Benzaldehyde	6.922	77	627661	56.894	ng	100
10) Phenol	6.987	94	1266169	58.515	ng	99
11) bis(2-Chloroethyl)ether	7.210	93	953923	54.440	ng	99
12) 1,3-Dichlorobenzene	7.675	146	1114963	52.100	ng	99
13) 1,4-Dichlorobenzene	7.822	146	1133049	52.482	ng	98
14) 1,2-Dichlorobenzene	8.140	146	1083233	52.795	ng	99
15) Benzyl Alcohol	8.028	79	850861	60.758	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.316	45	1172978	56.956	ng	99
17) 2-Methylphenol	8.234	107	776131	60.415	ng	99
18) Hexachloroethane	8.869	117	405157	53.142	ng	96
19) n-Nitroso-di-n-propyla...	8.598	70	750669	58.011	ng	99
20) 3+4-Methylphenols	8.563	107	1057095	61.402	ng	100
22) Acetophenone	8.610	105	1441971	51.746	ng	99
24) Nitrobenzene	8.987	77	1055337	53.169	ng	98
25) Isophorone	9.516	82	1945511	60.196	ng	99
26) 2-Nitrophenol	9.698	139	478023	56.583	ng	98
27) 2,4-Dimethylphenol	9.763	122	662802	61.636	ng	99
28) bis(2-Chloroethoxy)met...	9.992	93	1222103	53.687	ng	99
29) 2,4-Dichlorophenol	10.234	162	978200	55.826	ng	99
30) 1,2,4-Trichlorobenzene	10.445	180	1105500	50.426	ng	99
31) Naphthalene	10.634	128	2803998	50.456	ng	100
32) Benzoic acid	9.898	122	578987	63.309	ng	98
33) 4-Chloroaniline	10.739	127	389141	20.518	ng	98
34) Hexachlorobutadiene	10.922	225	685013	50.615	ng	98
35) Caprolactam	11.522	113	258516	63.546	ng	97
36) 4-Chloro-3-methylphenol	11.875	107	884772	58.839	ng	100
37) 2-Methylnaphthalene	12.245	142	1861004	47.891	ng	98
38) 1-Methylnaphthalene	12.469	142	1959907	52.276	ng	100
40) 1,2,4,5-Tetrachloroben...	12.616	216	1322932	51.805	ng	98
41) Hexachlorocyclopentadiene	12.604	237	1428020	150.944	ng	99
43) 2,4,6-Trichlorophenol	12.857	196	809368	56.590	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049798.D
Acq On : 02 Apr 2025 19:57
Operator : RC/JU
Sample : Q1664-03MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Quant Time: Apr 03 00:49:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

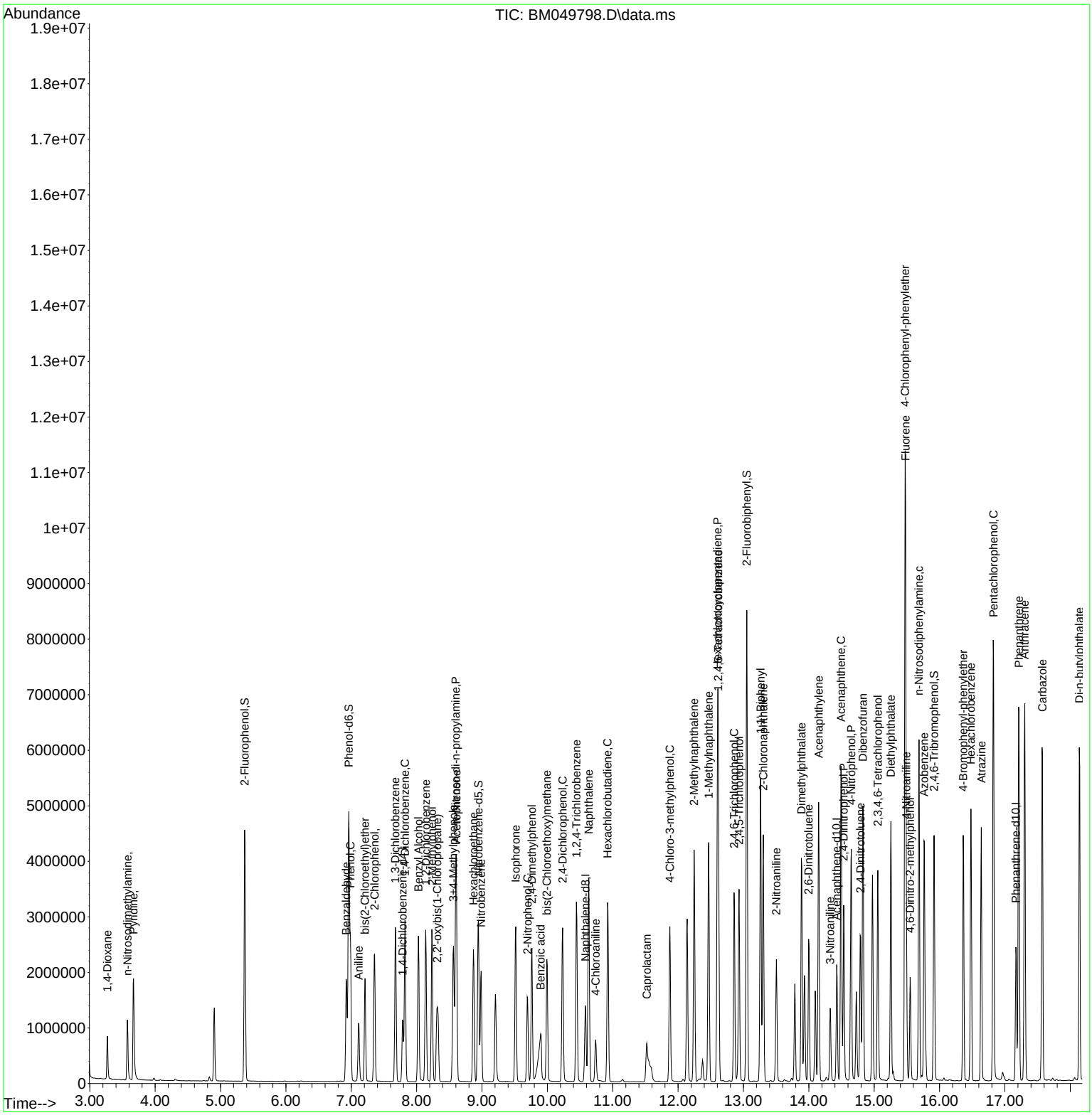
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	890069	57.028	ng	99
46) 1,1'-Biphenyl	13.263	154	2735288	51.049	ng	99
47) 2-Chloronaphthalene	13.304	162	2152277	51.606	ng	99
48) 2-Nitroaniline	13.504	65	564926	60.340	ng	99
49) Acenaphthylene	14.151	152	3322494	56.993	ng	100
50) Dimethylphthalate	13.886	163	2554966	53.378	ng	99
51) 2,6-Dinitrotoluene	13.998	165	538495	56.147	ng	98
52) Acenaphthene	14.492	154	1968455	51.478	ng	99
53) 3-Nitroaniline	14.327	138	314639	34.475	ng	95
54) 2,4-Dinitrophenol	14.533	184	653721	98.061	ng	98
55) Dibenzofuran	14.827	168	3199926	50.220	ng	99
56) 4-Nitrophenol	14.651	139	1019822	128.370	ng	98
57) 2,4-Dinitrotoluene	14.792	165	753182	61.030	ng	99
58) Fluorene	15.480	166	2821256	54.383	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.057	232	742619	56.842	ng	99
60) Diethylphthalate	15.257	149	2463725	54.651	ng	99
61) 4-Chlorophenyl-phenyle...	15.474	204	1522216	53.735	ng	99
62) 4-Nitroaniline	15.492	138	527095	48.498	ng	99
63) Azobenzene	15.763	77	2488700	57.796	ng	99
65) 4,6-Dinitro-2-methylph...	15.551	198	404706	53.086	ng	92
66) n-Nitrosodiphenylamine	15.686	169	2194801	53.164	ng	98
67) 4-Bromophenyl-phenylether	16.363	248	847792	53.889	ng	98
68) Hexachlorobenzene	16.480	284	954172	53.935	ng	99
69) Atrazine	16.639	200	798537	87.768	ng	99
70) Pentachlorophenol	16.827	266	1368549	123.098	ng	99
71) Phenanthrene	17.215	178	4147164	54.812	ng	100
72) Anthracene	17.304	178	4049681	55.267	ng	100
73) Carbazole	17.574	167	3725531	56.141	ng	100
74) Di-n-butylphthalate	18.139	149	4284273	58.904	ng	99
75) Fluoranthene	19.227	202	5038510	57.842	ng	100
77) Benzidine	19.409	184	559238	32.537	ng	99
78) Pyrene	19.592	202	5222522	52.250	ng	100
80) Butylbenzylphthalate	20.492	149	1893502	61.043	ng	98
81) Benzo(a)anthracene	21.386	228	5221360	54.641	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	944757	30.367	ng	98
83) Chrysene	21.450	228	4796380	52.951	ng	100
84) Bis(2-ethylhexyl)phtha...	21.315	149	2889532	59.773	ng	100
85) Di-n-octyl phthalate	22.456	149	4646221	61.837	ng	99
87) Indeno(1,2,3-cd)pyrene	27.791	276	5653397	57.282	ng	100
88) Benzo(b)fluoranthene	23.462	252	4935088	53.435	ng	99
89) Benzo(k)fluoranthene	23.521	252	4892618	53.838	ng	99
90) Benzo(a)pyrene	24.262	252	4567868	58.883	ng	99
91) Dibenzo(a,h)anthracene	27.844	278	4652577	56.582	ng	99
92) Benzo(g,h,i)perylene	28.844	276	4415458	53.310	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049798.D
Acq On : 02 Apr 2025 19:57
Operator : RC/JU
Sample : Q1664-03MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

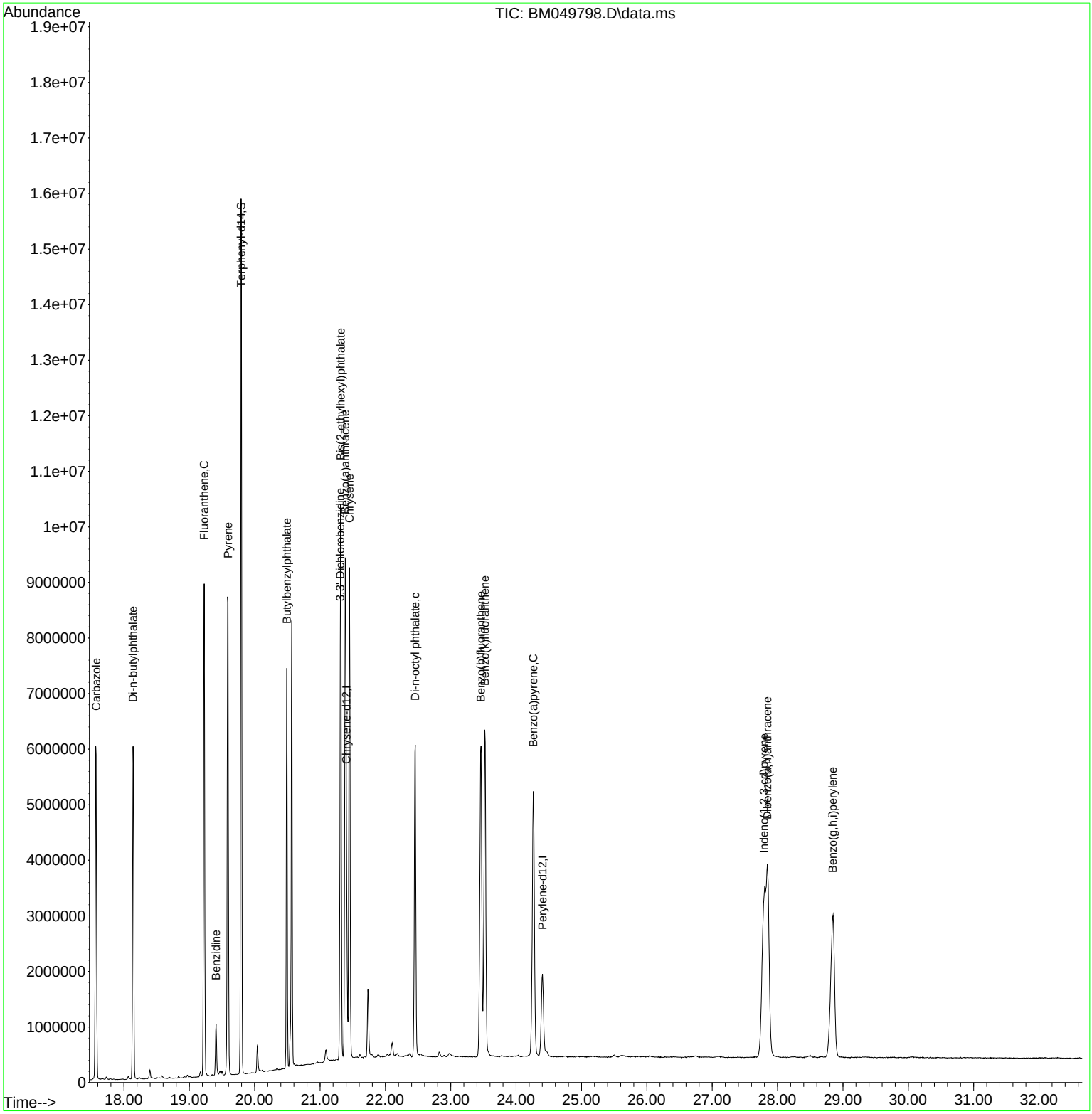
Quant Time: Apr 03 00:49:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

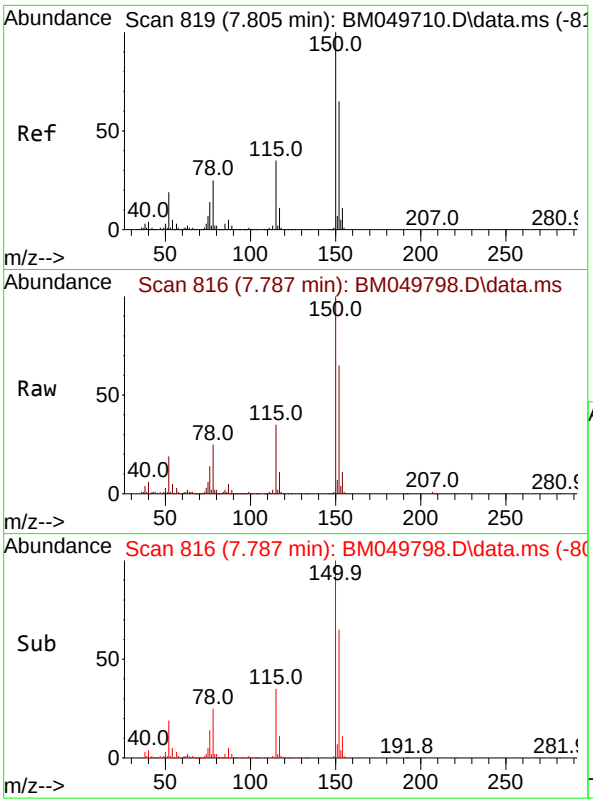


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
Data File : BM049798.D
Acq On : 02 Apr 2025 19:57
Operator : RC/JU
Sample : Q1664-03MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Quant Time: Apr 03 00:49:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



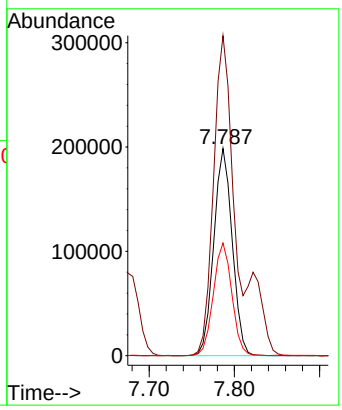


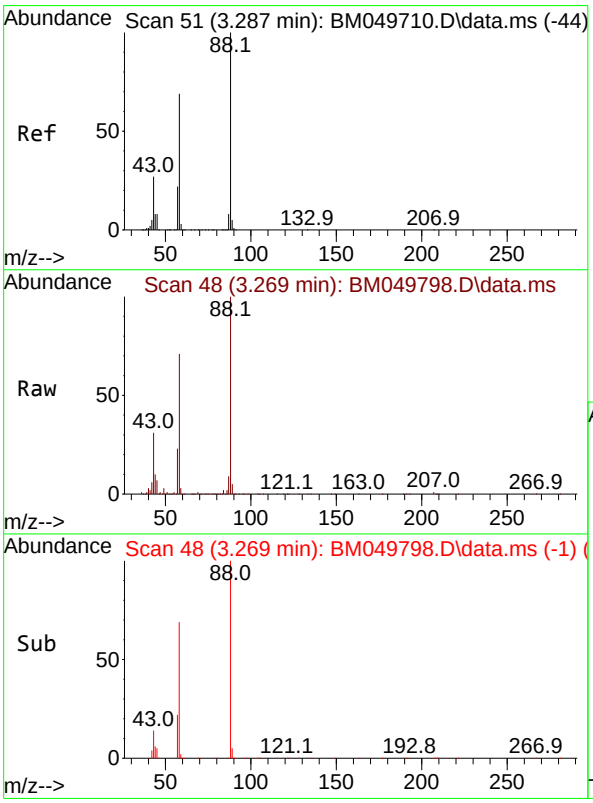
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:152 Resp: 300045

Ion	Ratio	Lower	Upper
152	100		
150	154.4	123.8	185.8
115	54.4	43.0	64.6

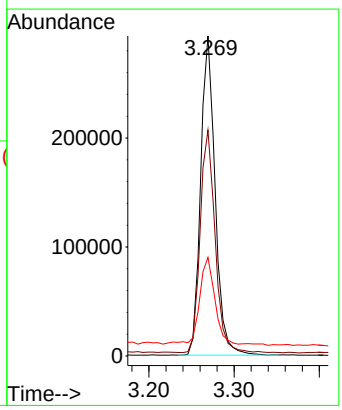


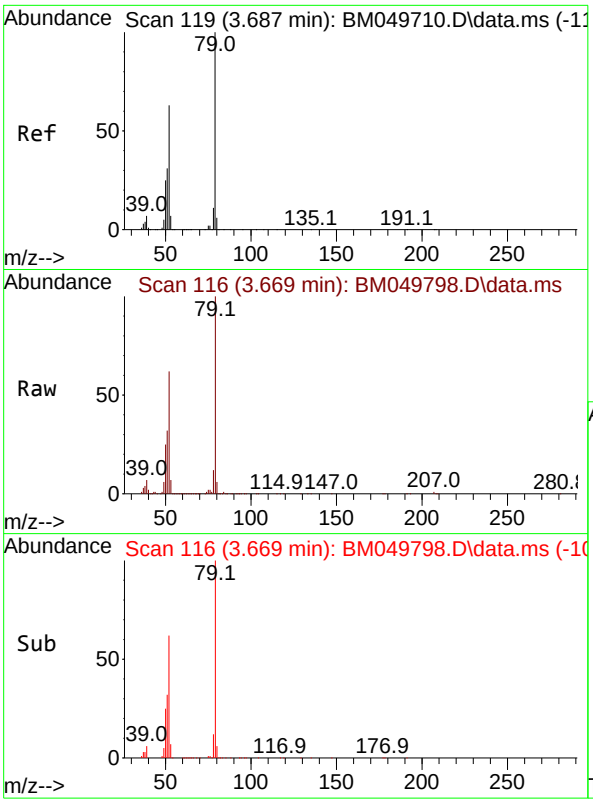


#2
1,4-Dioxane
Concen: 44.936 ng
RT: 3.269 min Scan# 48
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion: 88 Resp: 345916

Ion	Ratio	Lower	Upper
88	100		
58	72.1	56.7	85.1
43	28.2	22.6	34.0



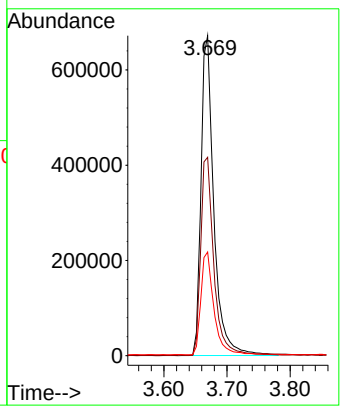


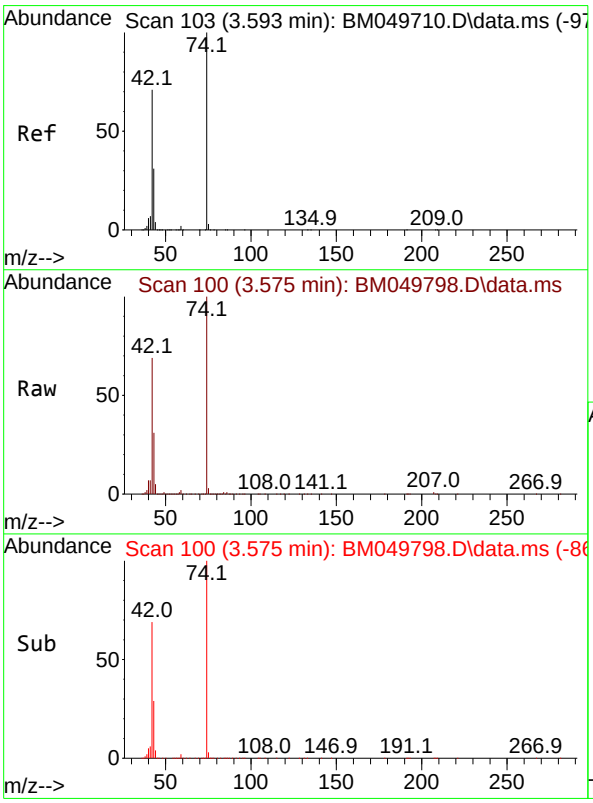
#3
Pyridine
Concen: 48.326 ng
RT: 3.669 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion: 79 Resp: 950059

Ion	Ratio	Lower	Upper
79	100		
52	62.0	50.1	75.1
51	32.4	25.2	37.8

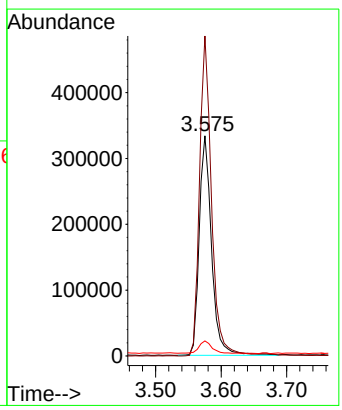


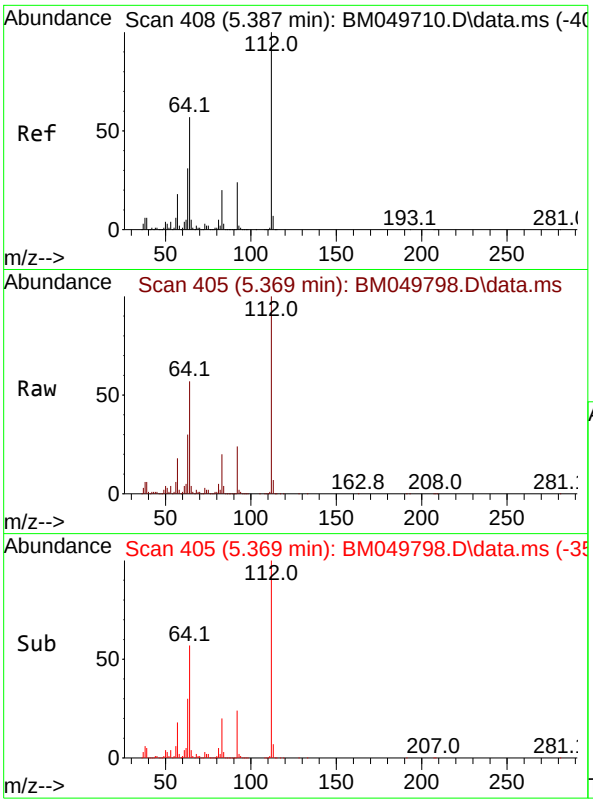


#4
n-Nitrosodimethylamine
Concen: 50.262 ng
RT: 3.575 min Scan# 100
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion: 42 Resp: 437212

Ion	Ratio	Lower	Upper
42	100		
74	145.4	112.6	168.8
44	6.8	5.0	7.6



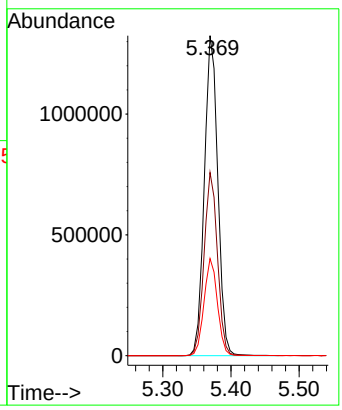


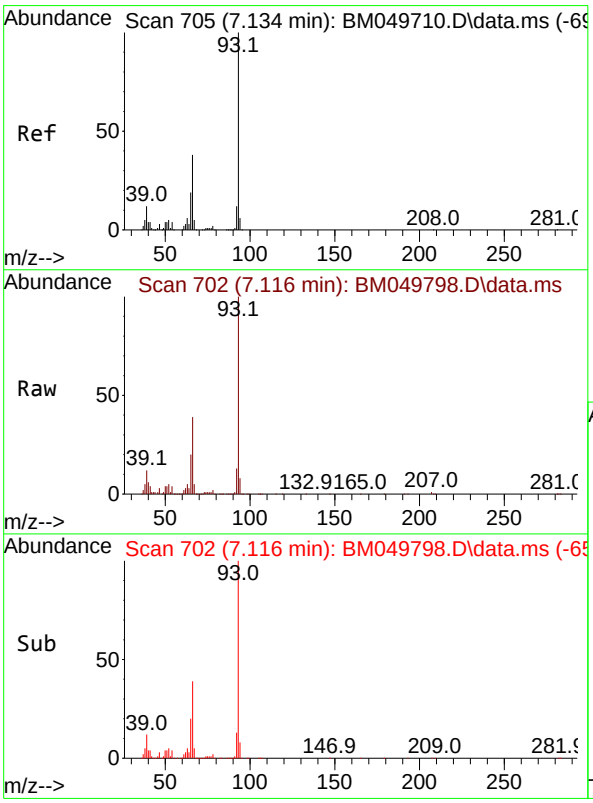
#5
2-Fluorophenol
Concen: 102.381 ng
RT: 5.369 min Scan# 4(
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:112 Resp: 1820570

Ion	Ratio	Lower	Upper
112	100		
64	57.2	45.3	67.9
63	30.3	24.4	36.6

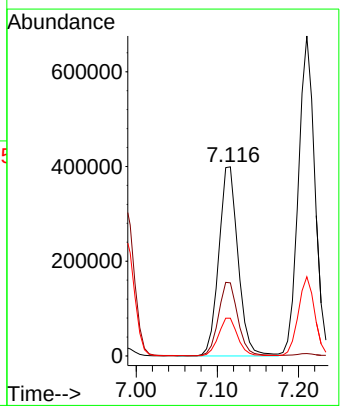


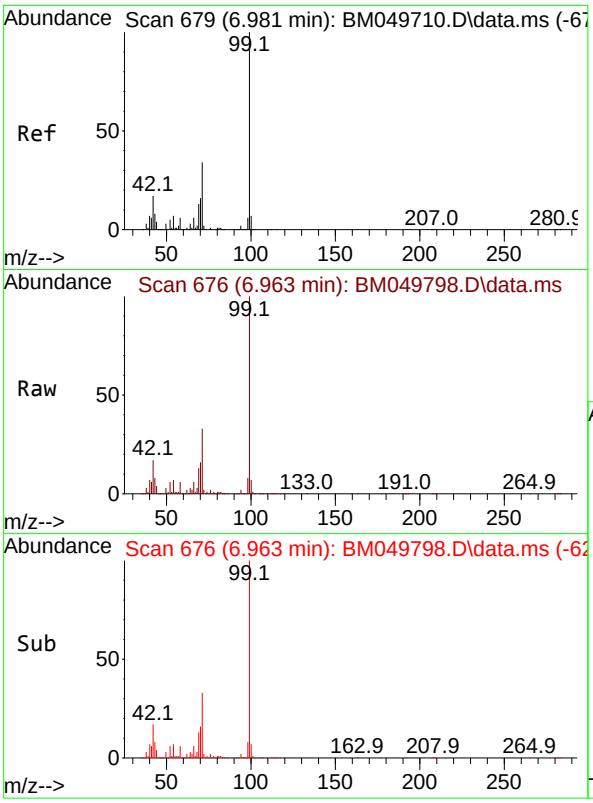


#6
Aniline
Concen: 35.277 ng
RT: 7.116 min Scan# 702
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion: 93 Resp: 659532

Ion	Ratio	Lower	Upper
93	100		
66	38.7	30.6	46.0
65	20.0	15.4	23.2



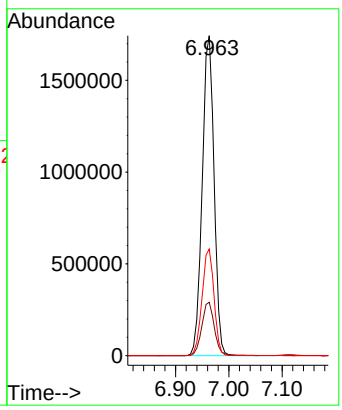


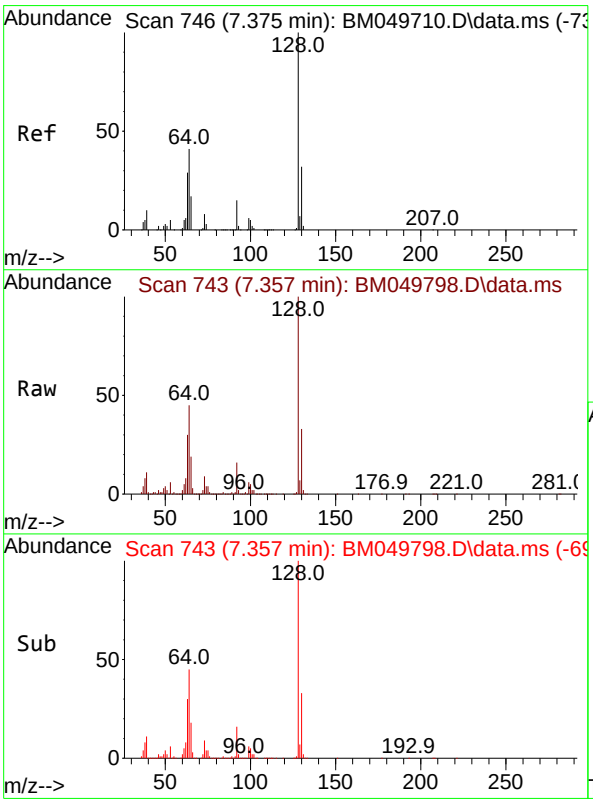
#7
Phenol-d6
Concen: 120.433 ng
RT: 6.963 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion: 99 Resp: 2687571

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.6	20.4
71	33.3	27.0	40.6

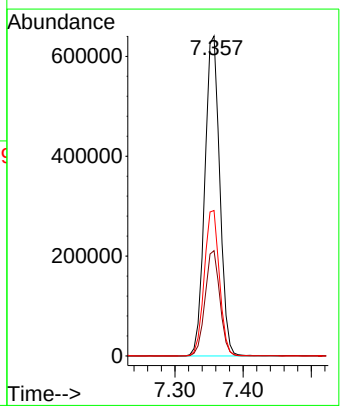


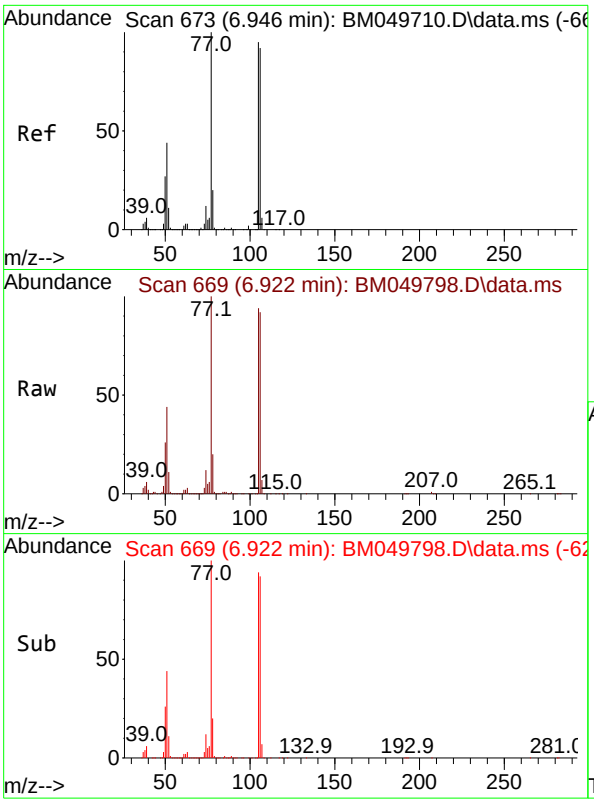


#8
2-Chlorophenol
Concen: 55.554 ng
RT: 7.357 min Scan# 743
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:128 Resp: 978280

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.5	52.5
64	45.5	24.9	64.9



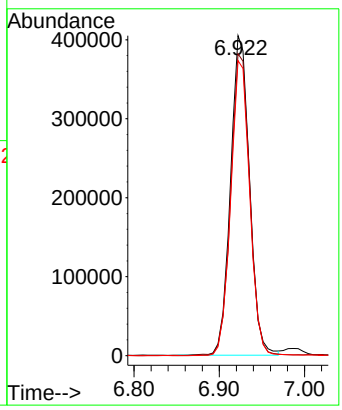


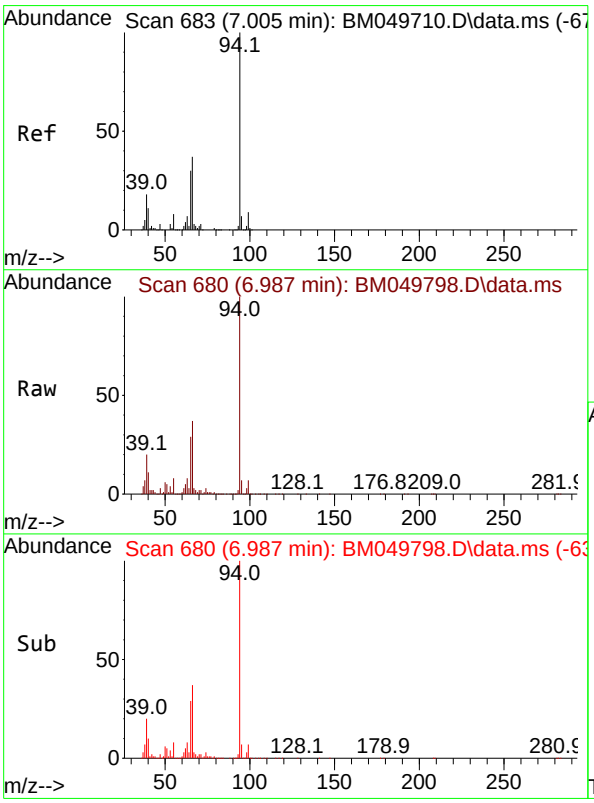
#9
Benzaldehyde
Concen: 56.894 ng
RT: 6.922 min Scan# 6(
Delta R.T. -0.024 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion: 77 Resp: 627661

Ion	Ratio	Lower	Upper
77	100		
105	94.3	75.0	115.0
106	92.2	72.3	112.3

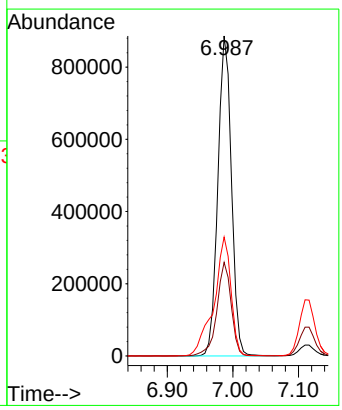


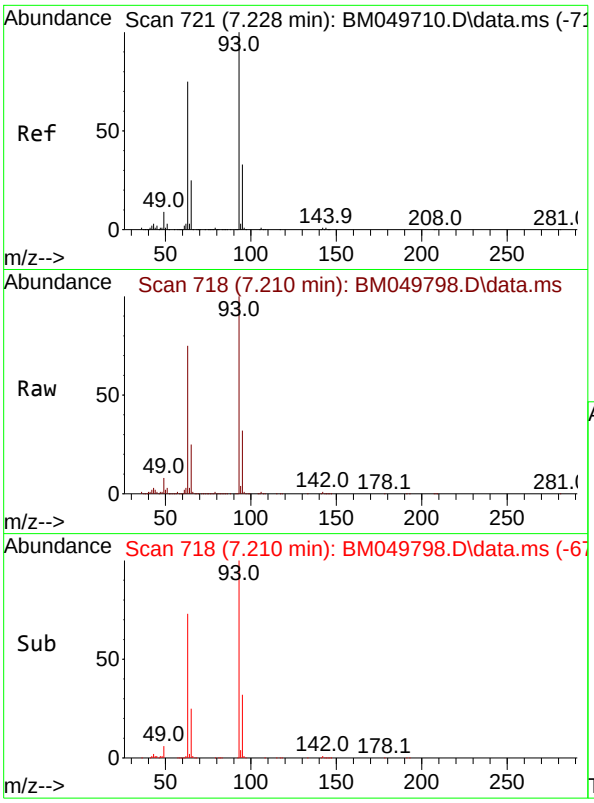


#10
Phenol
Concen: 58.515 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion: 94 Resp: 1266169

Ion	Ratio	Lower	Upper
94	100		
65	29.2	10.4	50.4
66	37.2	17.1	57.1



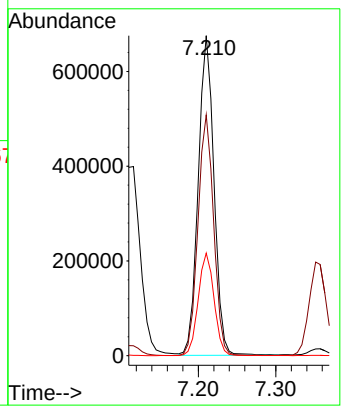


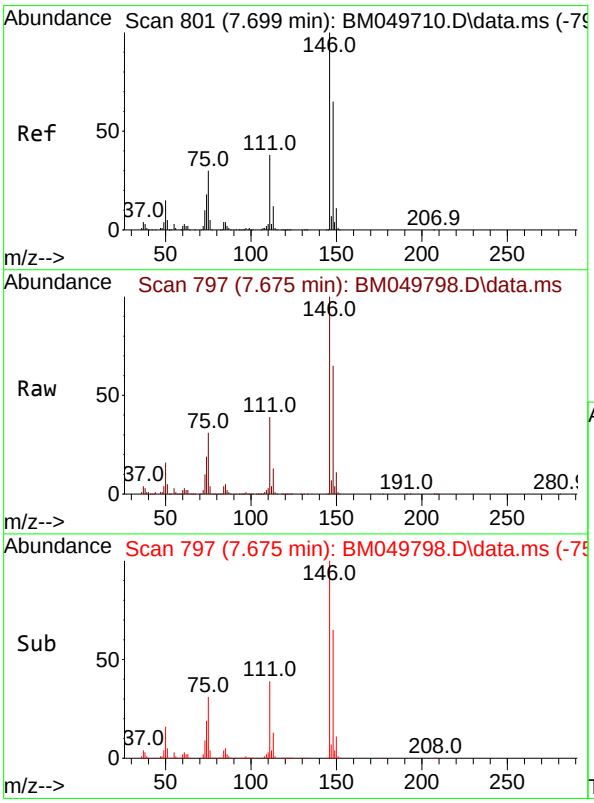
#11
bis(2-Chloroethyl)ether
Concen: 54.440 ng
RT: 7.210 min Scan# 71
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion: 93 Resp: 953923

Ion	Ratio	Lower	Upper
93	100		
63	75.2	54.8	94.8
95	32.1	12.8	52.8

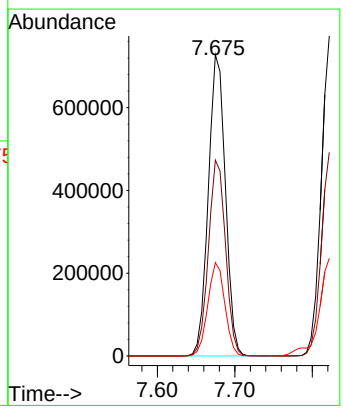


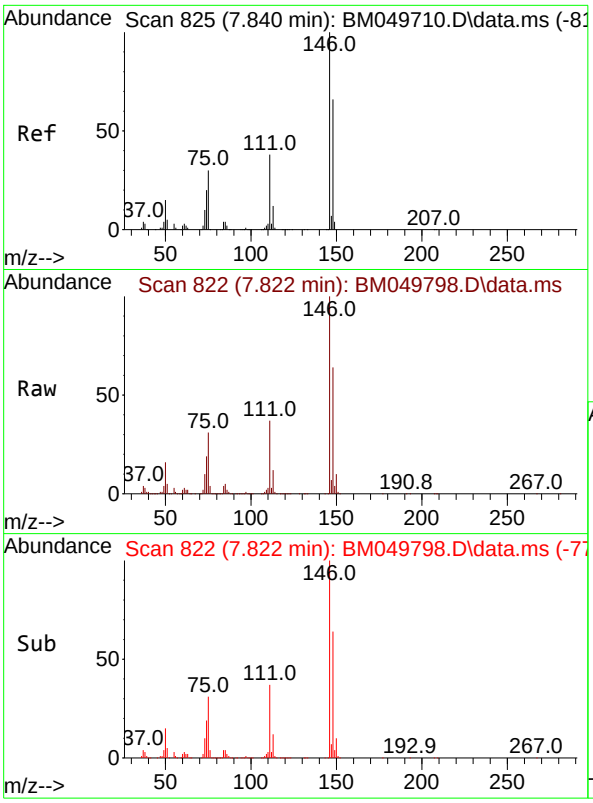


#12
1,3-Dichlorobenzene
Concen: 52.100 ng
RT: 7.675 min Scan# 797
Delta R.T. -0.024 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:146 Resp: 1114963

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.3	78.5
75	31.0	24.2	36.2



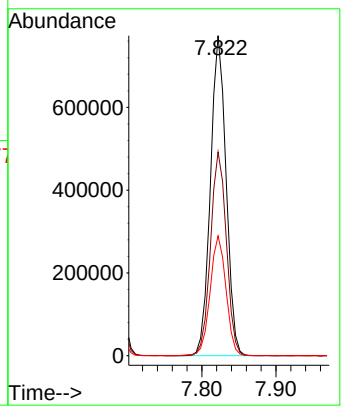


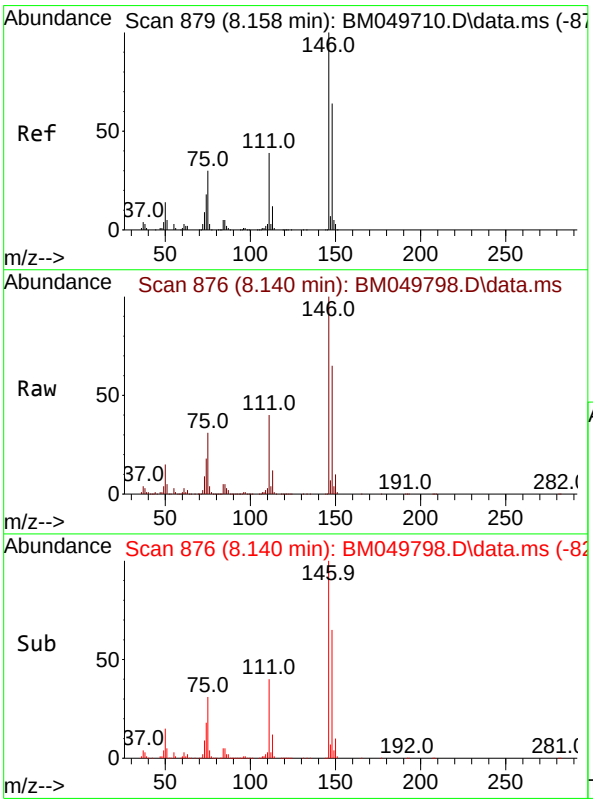
#13
1,4-Dichlorobenzene
Concen: 52.482 ng
RT: 7.822 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:146 Resp: 1133049

Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.6	79.0
111	37.5	30.8	46.2

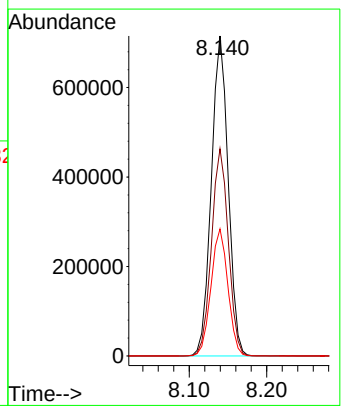


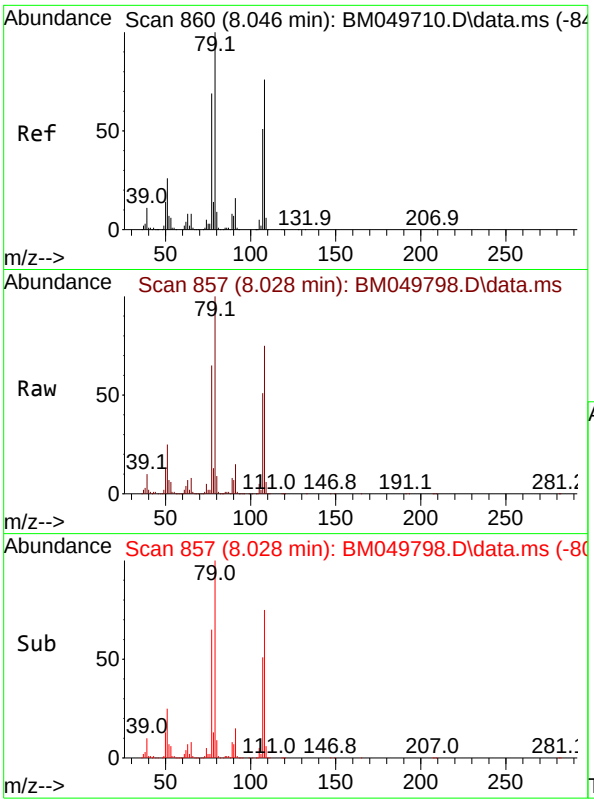


#14
1,2-Dichlorobenzene
Concen: 52.795 ng
RT: 8.140 min Scan# 876
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:146 Resp: 1083233

Ion	Ratio	Lower	Upper
146	100		
148	64.8	50.9	76.3
111	39.7	31.0	46.6



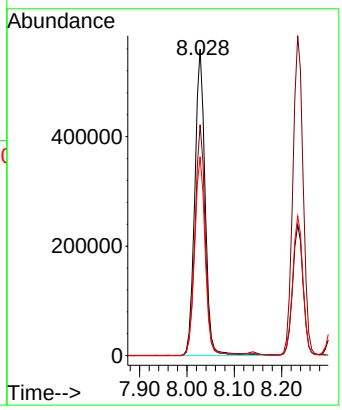


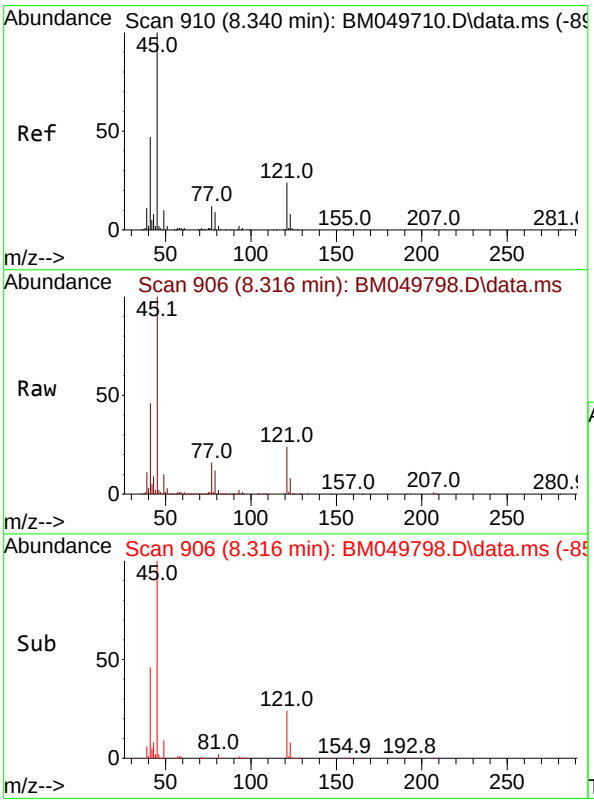
#15
Benzyl Alcohol
Concen: 60.758 ng
RT: 8.028 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion: 79 Resp: 850861

Ion	Ratio	Lower	Upper
79	100		
108	75.3	60.7	91.1
77	64.9	55.4	83.2

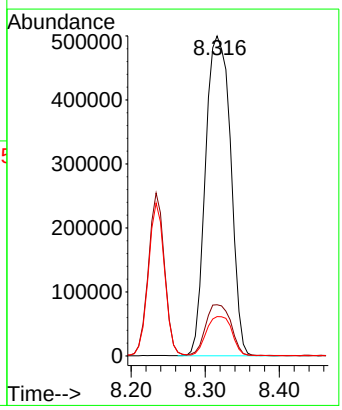


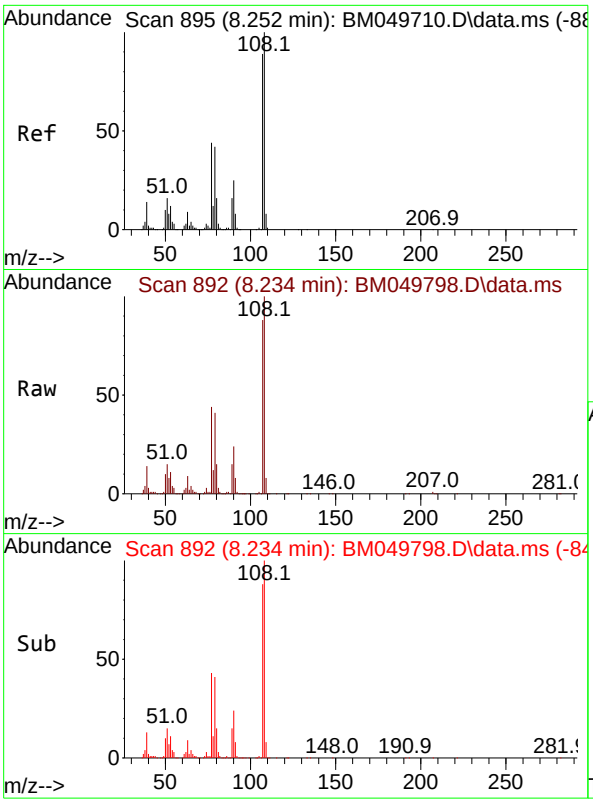


#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.956 ng
RT: 8.316 min Scan# 906
Delta R.T. -0.024 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion: 45 Resp: 1172978

Ion	Ratio	Lower	Upper
45	100		
77	16.0	0.0	36.1
79	12.3	0.0	32.8



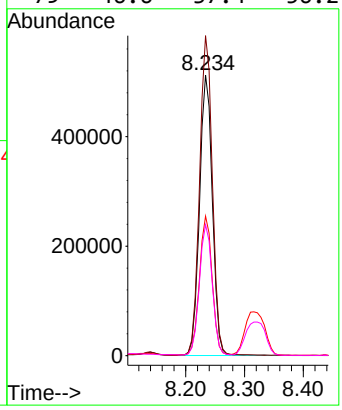


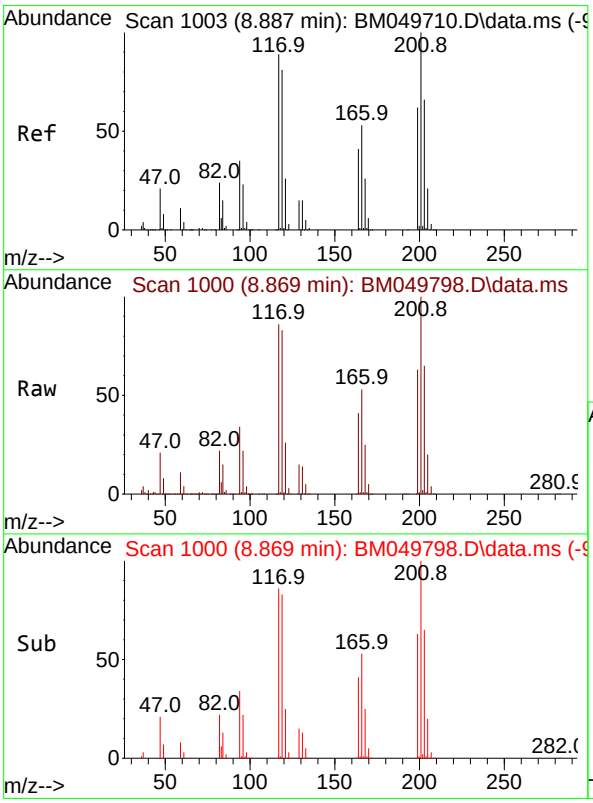
#17
2-Methylphenol
Concen: 60.415 ng
RT: 8.234 min Scan# 8
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:107 Resp: 776131

Ion	Ratio	Lower	Upper
107	100		
108	114.1	89.6	134.4
77	49.7	39.8	59.6
79	46.6	37.4	56.2

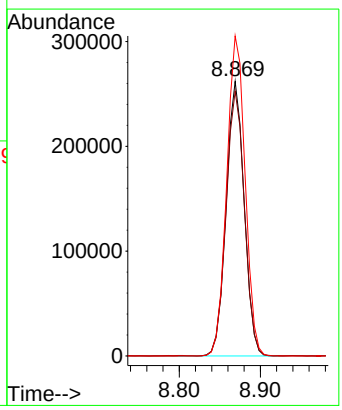


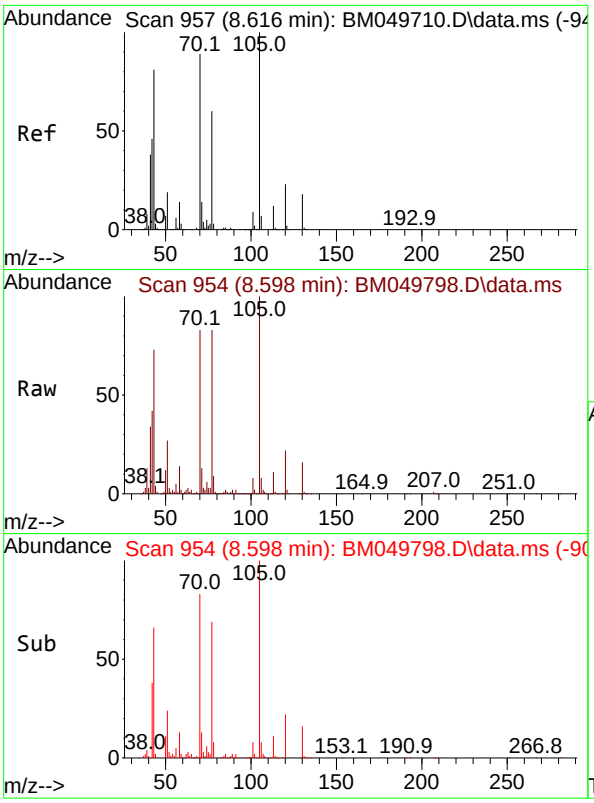


#18
Hexachloroethane
Concen: 53.142 ng
RT: 8.869 min Scan# 1000
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:117 Resp: 405157

Ion	Ratio	Lower	Upper
117	100		
119	96.4	73.1	109.7
201	116.5	90.0	135.0



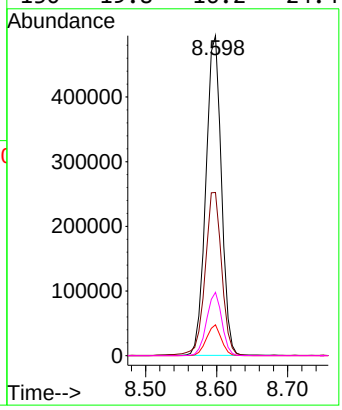


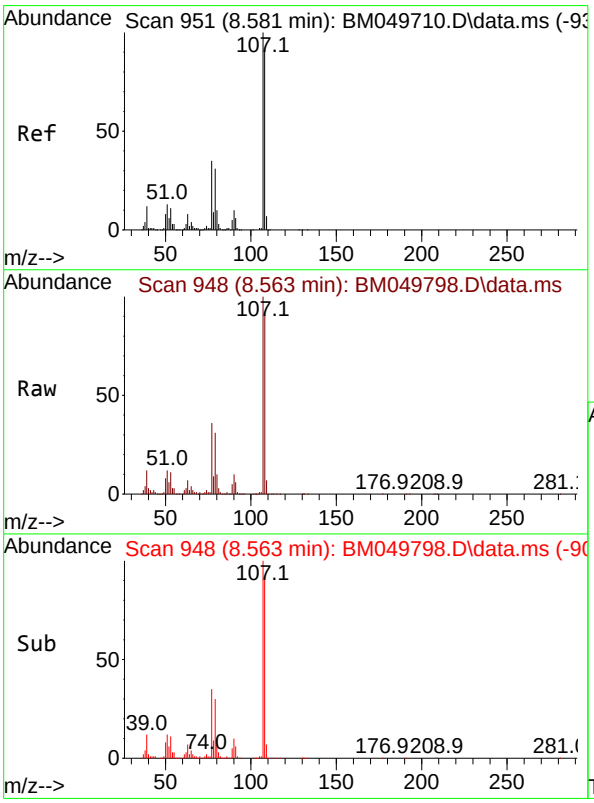
#19
n-Nitroso-di-n-propylamine
Concen: 58.011 ng
RT: 8.598 min Scan# 9
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion: 70 Resp: 750669

Ion	Ratio	Lower	Upper
70	100		
42	51.0	41.8	62.6
101	9.7	7.7	11.5
130	19.8	16.2	24.4

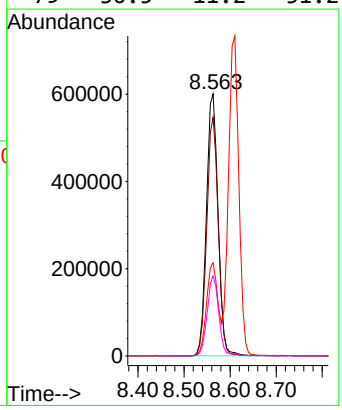


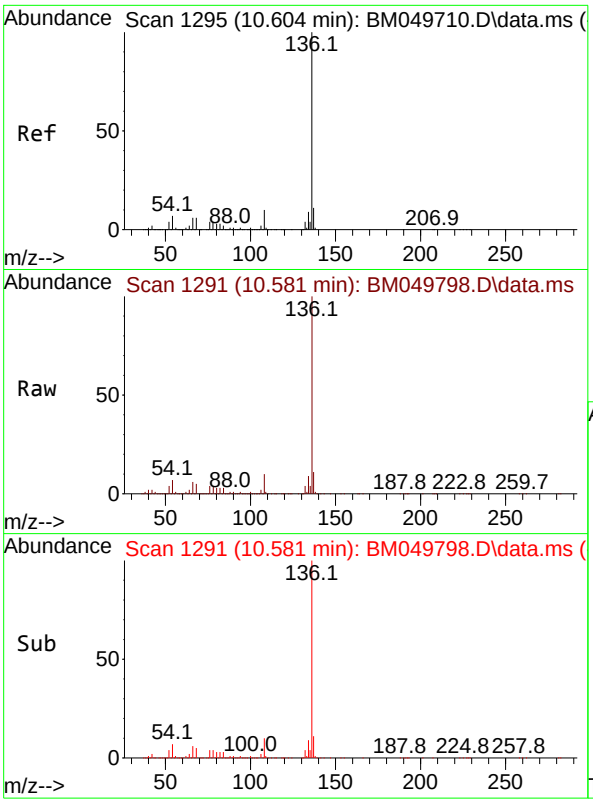


#20
3+4-Methylphenols
Concen: 61.402 ng
RT: 8.563 min Scan# 948
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:107 Resp: 1057095

Ion	Ratio	Lower	Upper
107	100		
108	90.9	71.0	111.0
77	35.5	15.1	55.1
79	30.5	11.2	51.2



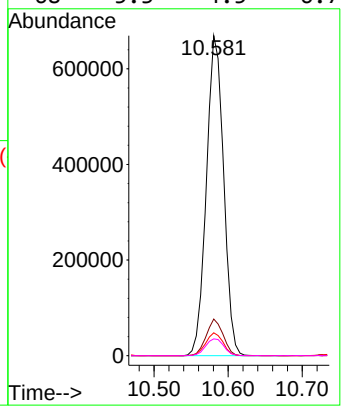


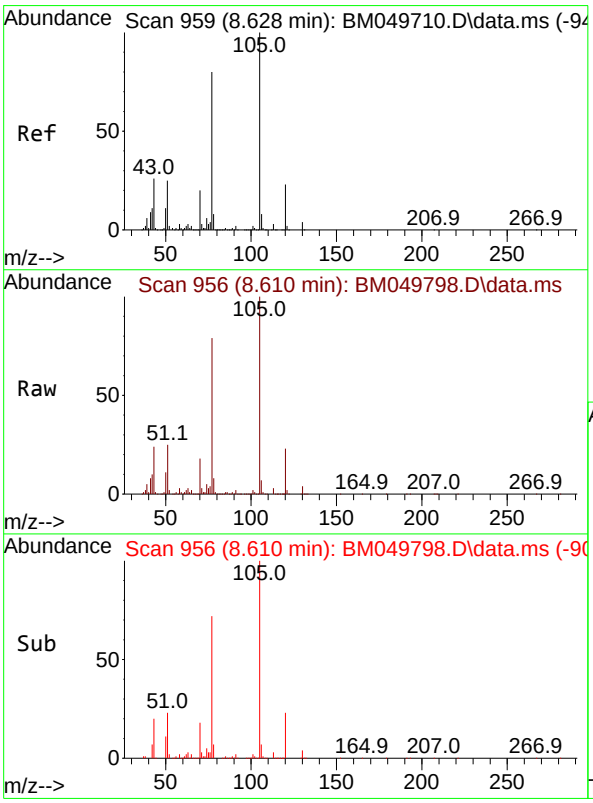
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:136 Resp: 1080754

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	12.8
54	7.1	5.8	8.8
68	5.3	4.5	6.7

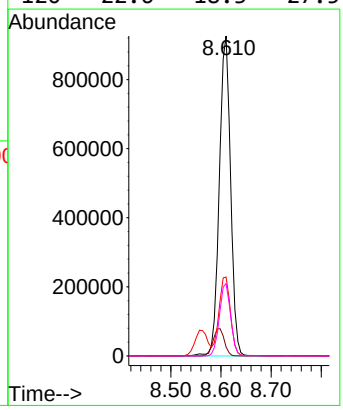


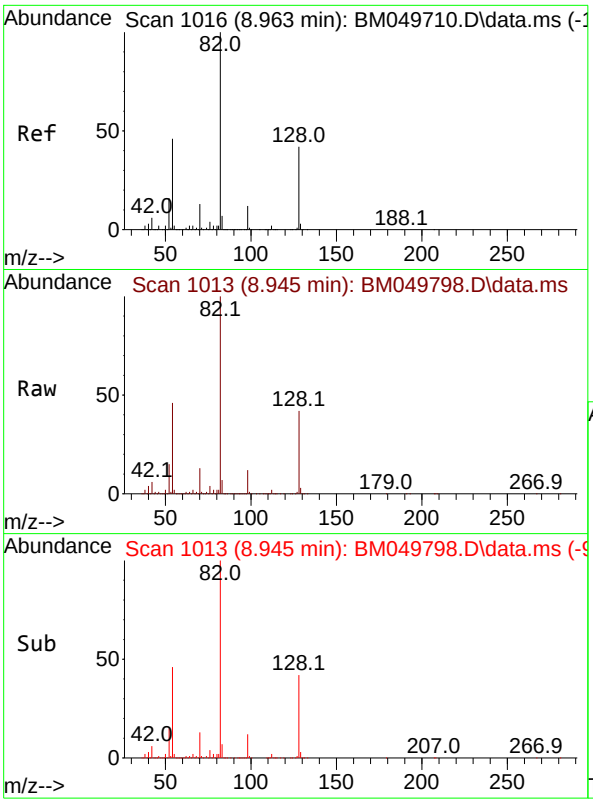


#22
Acetophenone
Concen: 51.746 ng
RT: 8.610 min Scan# 956
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:105 Resp: 1441971

Ion	Ratio	Lower	Upper
105	100		
71	2.8	2.5	3.7
51	24.6	19.9	29.9
120	22.6	18.3	27.5



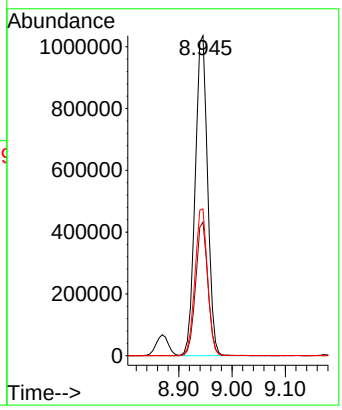


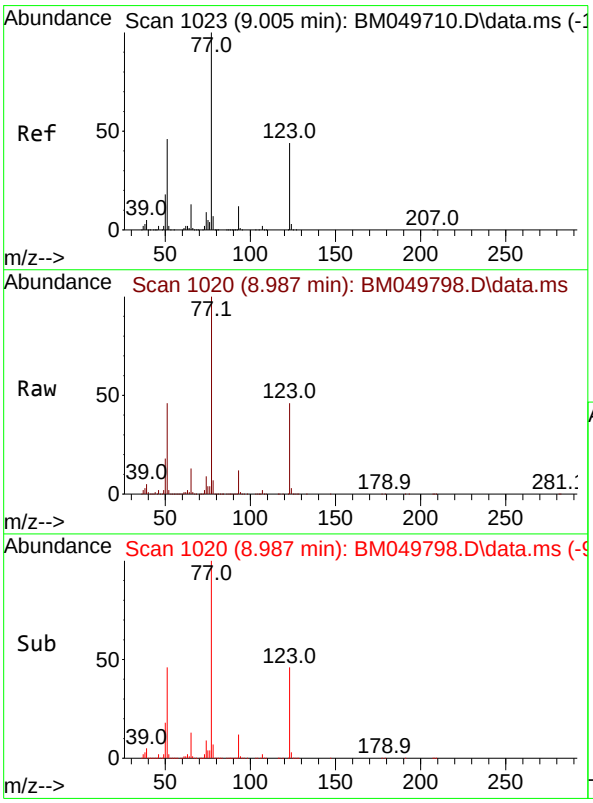
#23
Nitrobenzene-d5
Concen: 79.690 ng
RT: 8.945 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion: 82 Resp: 1677492

Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.4	50.0
54	45.8	36.4	54.6

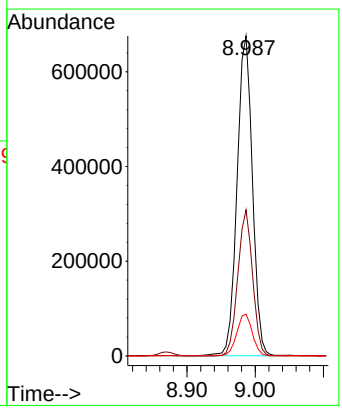


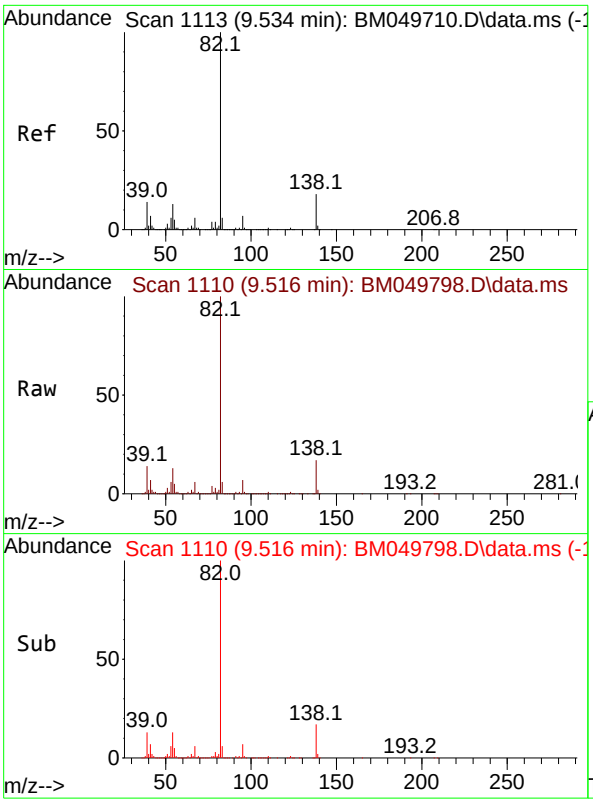


#24
Nitrobenzene
Concen: 53.169 ng
RT: 8.987 min Scan# 1020
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion: 77 Resp: 1055337

Ion	Ratio	Lower	Upper
77	100		
123	45.6	34.9	52.3
65	13.1	10.6	15.8



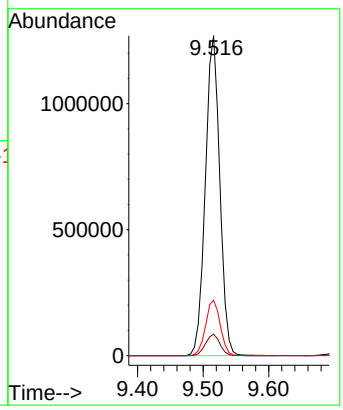


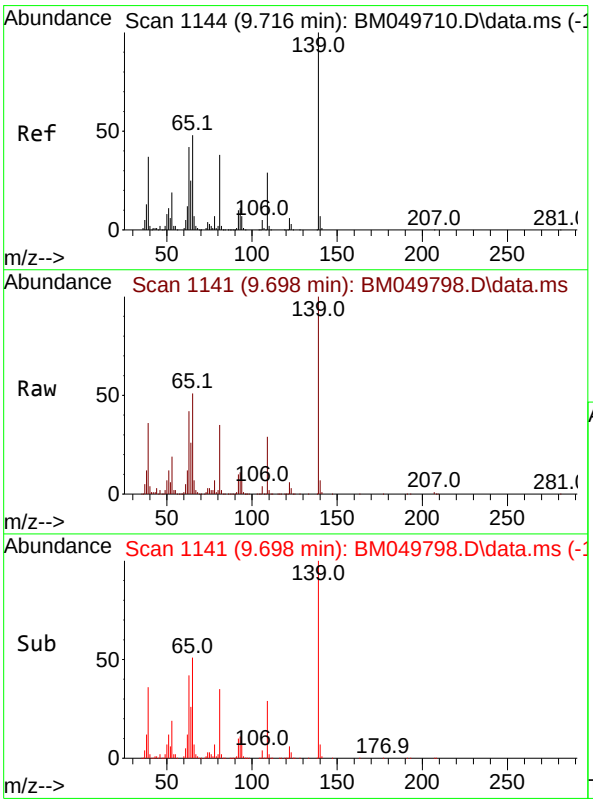
#25
Isophorone
Concen: 60.196 ng
RT: 9.516 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion: 82 Resp: 1945511

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.3	7.9
138	17.3	14.4	21.6

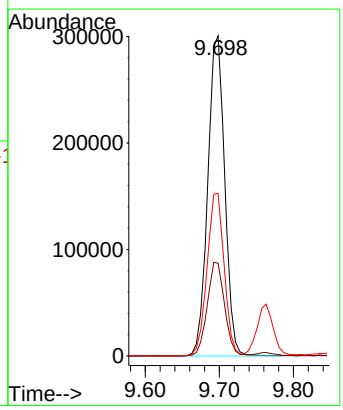


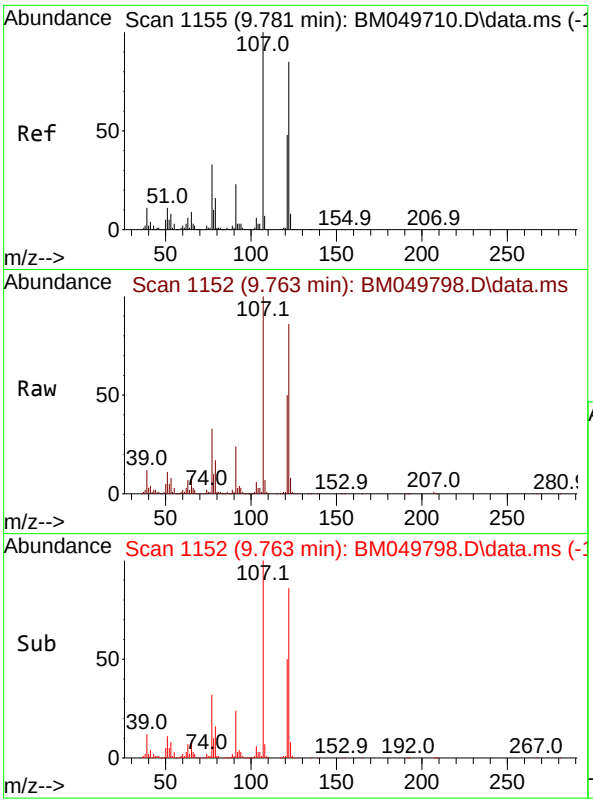


#26
2-Nitrophenol
Concen: 56.583 ng
RT: 9.698 min Scan# 1141
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:139 Resp: 478023

Ion	Ratio	Lower	Upper
139	100		
109	29.0	23.3	34.9
65	50.9	38.6	58.0



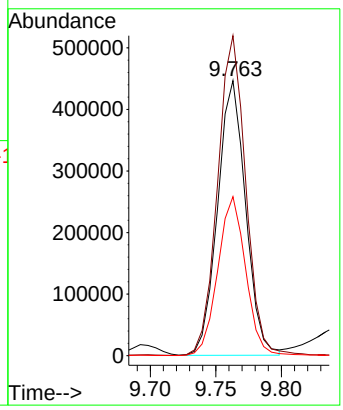


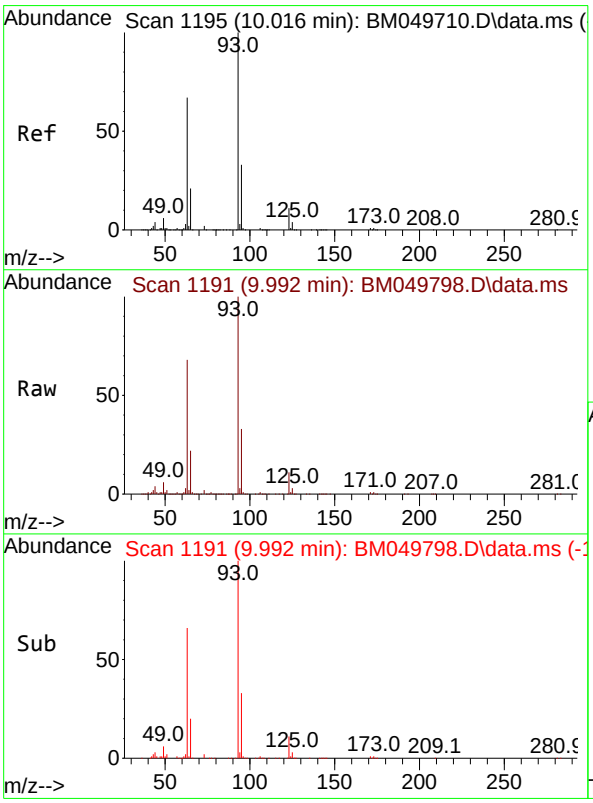
#27
2,4-Dimethylphenol
Concen: 61.636 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:122 Resp: 662802

Ion	Ratio	Lower	Upper
122	100		
107	116.3	94.3	141.5
121	57.8	45.4	68.2

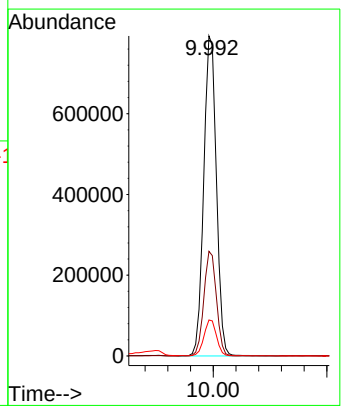


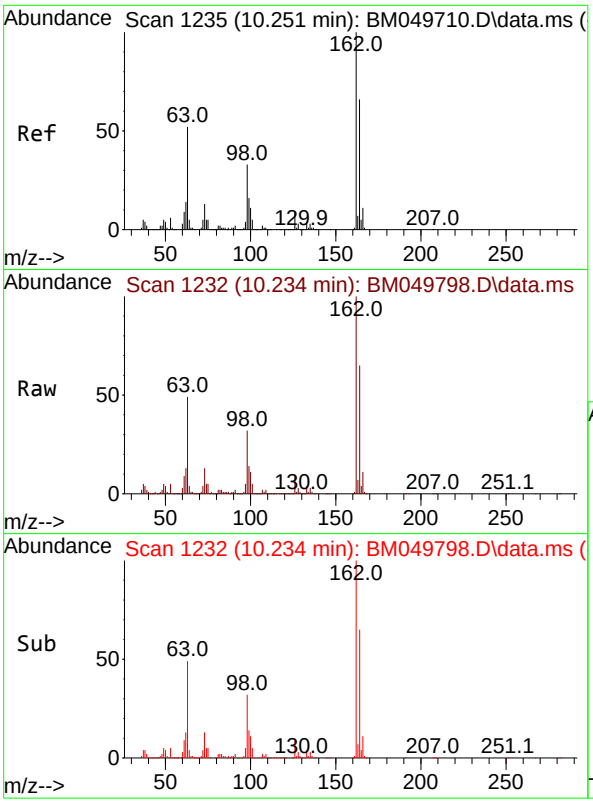


#28
bis(2-Chloroethoxy)methane
Concen: 53.687 ng
RT: 9.992 min Scan# 1191
Delta R.T. -0.024 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion: 93 Resp: 1222103

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.6	40.0
123	11.3	9.0	13.6



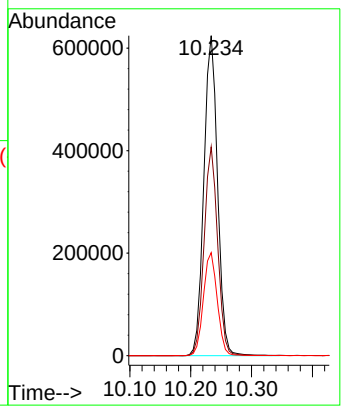


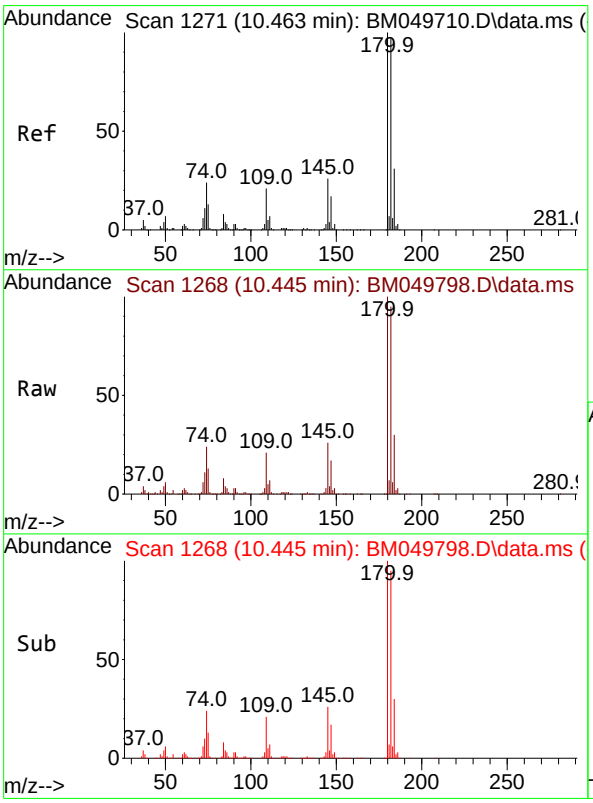
#29
2,4-Dichlorophenol
Concen: 55.826 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:162 Resp: 978200

Ion	Ratio	Lower	Upper
162	100		
164	65.2	46.3	86.3
98	32.2	12.8	52.8

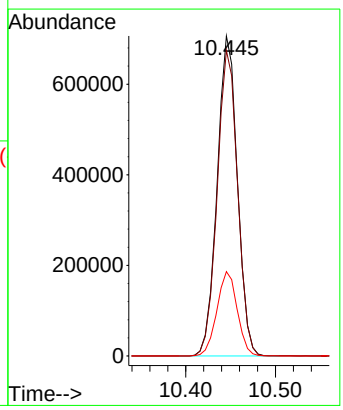


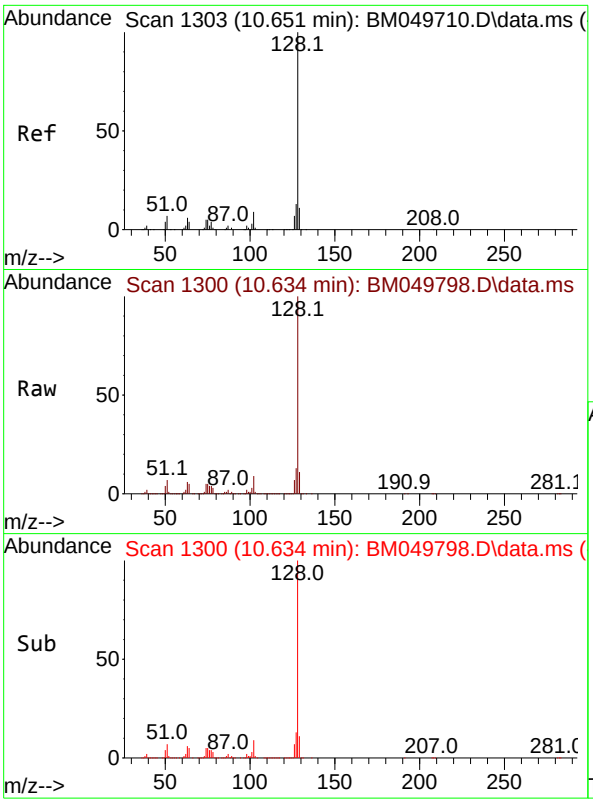


#30
1,2,4-Trichlorobenzene
Concen: 50.426 ng
RT: 10.445 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:180 Resp: 1105500

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.7	116.5
145	26.4	21.0	31.4



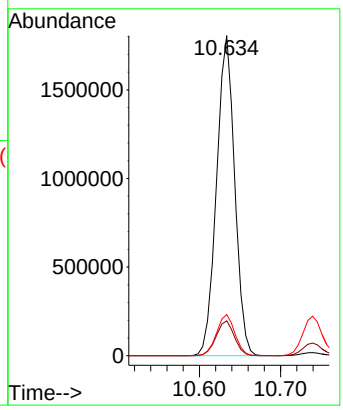


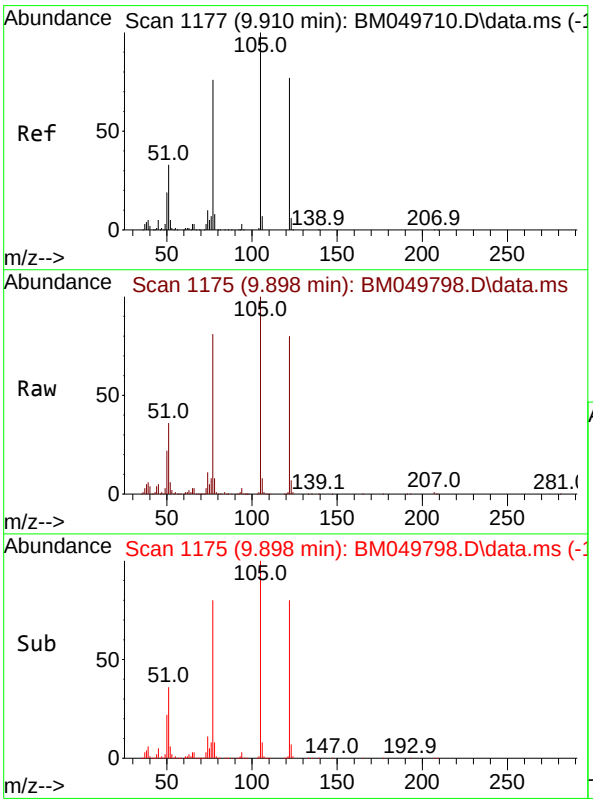
#31
Naphthalene
Concen: 50.456 ng
RT: 10.634 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:128 Resp: 2803998

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.8	10.4	15.6

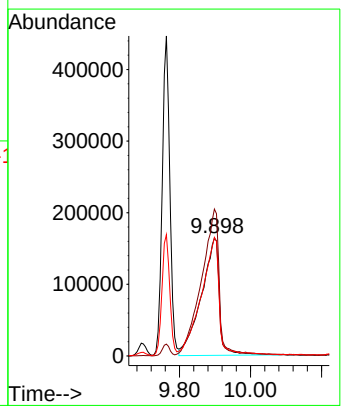


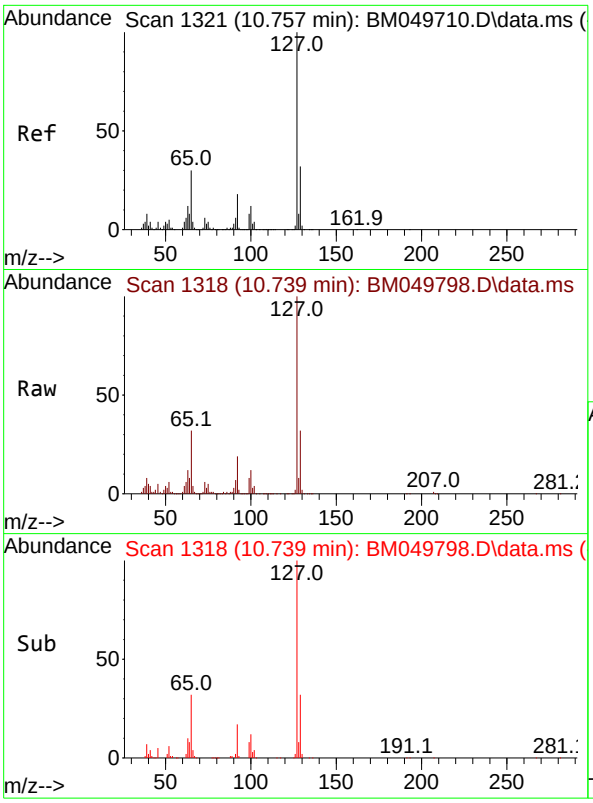


#32
Benzoic acid
Concen: 63.309 ng
RT: 9.898 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:122 Resp: 578987

Ion	Ratio	Lower	Upper
122	100		
105	124.7	105.6	145.6
77	100.7	76.9	116.9



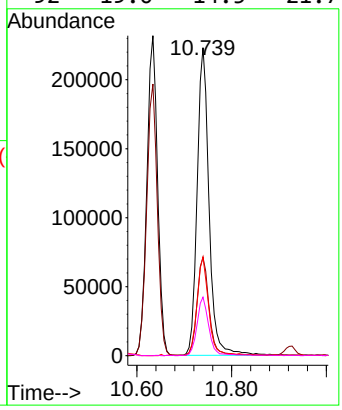


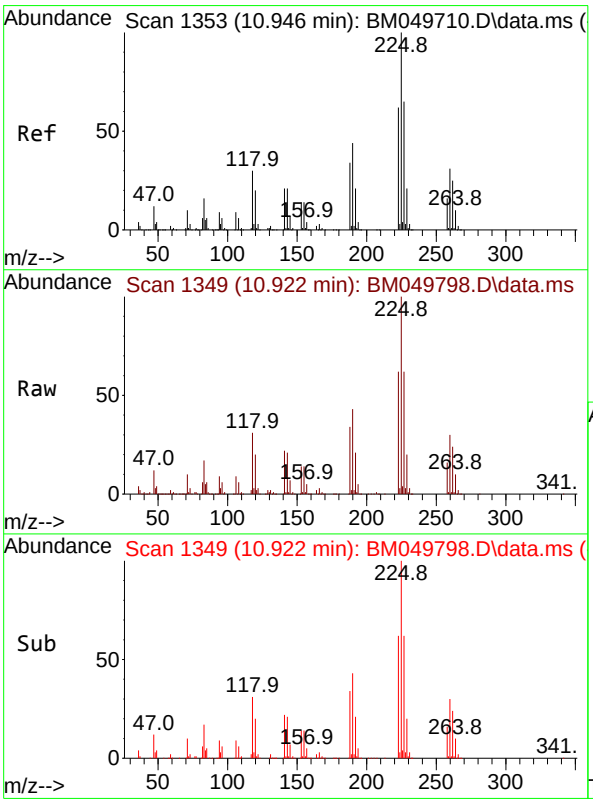
#33
4-Chloroaniline
Concen: 20.518 ng
RT: 10.739 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:127 Resp: 389141

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.7	38.5
65	32.0	24.1	36.1
92	19.0	14.5	21.7

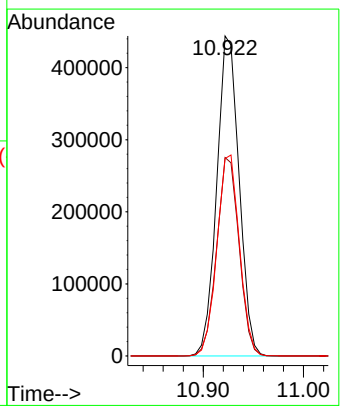


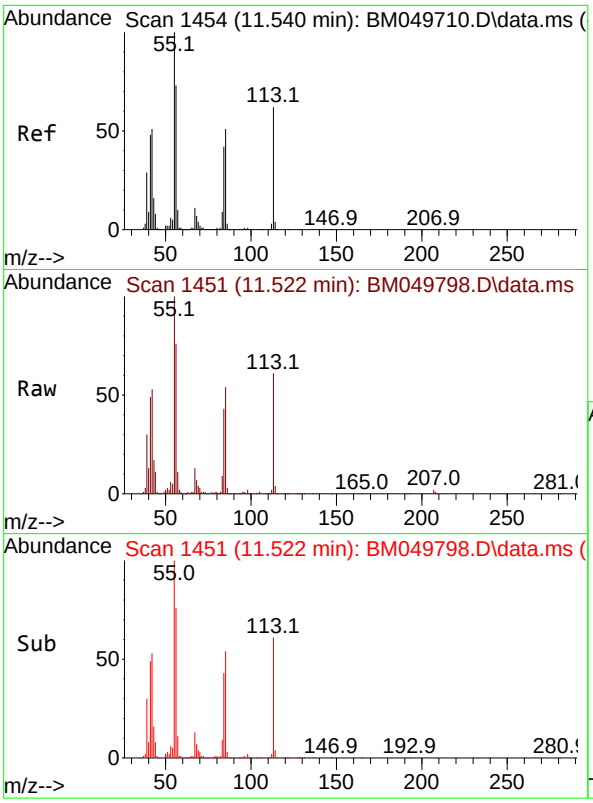


#34
Hexachlorobutadiene
Concen: 50.615 ng
RT: 10.922 min Scan# 1349
Delta R.T. -0.024 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:225 Resp: 685013

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.8	74.8
227	61.7	52.1	78.1



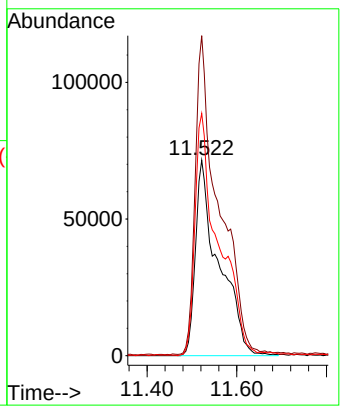


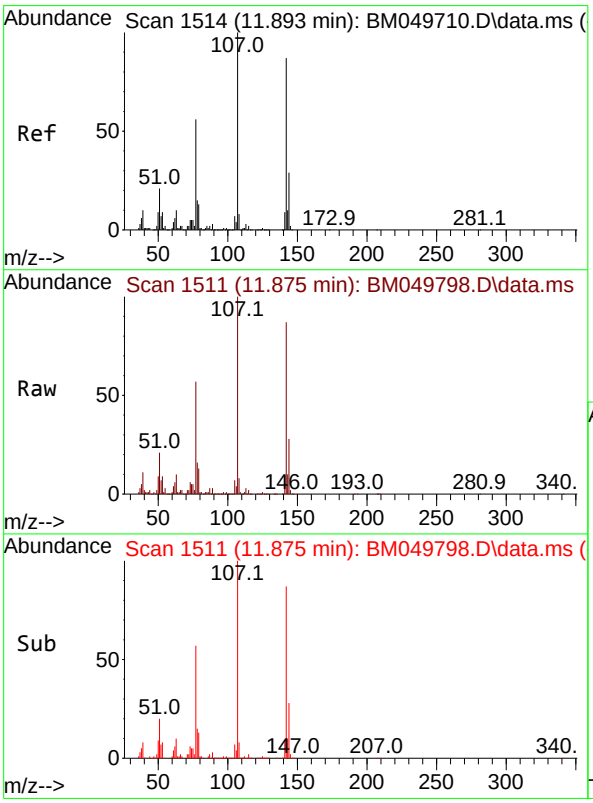
#35
Caprolactam
Concen: 63.546 ng
RT: 11.522 min Scan# 14
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:113 Resp: 258516

Ion	Ratio	Lower	Upper
113	100		
55	163.7	141.8	181.8
56	123.9	98.0	138.0

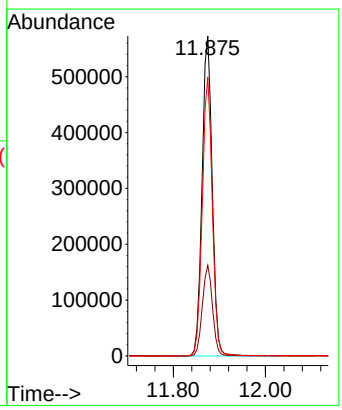


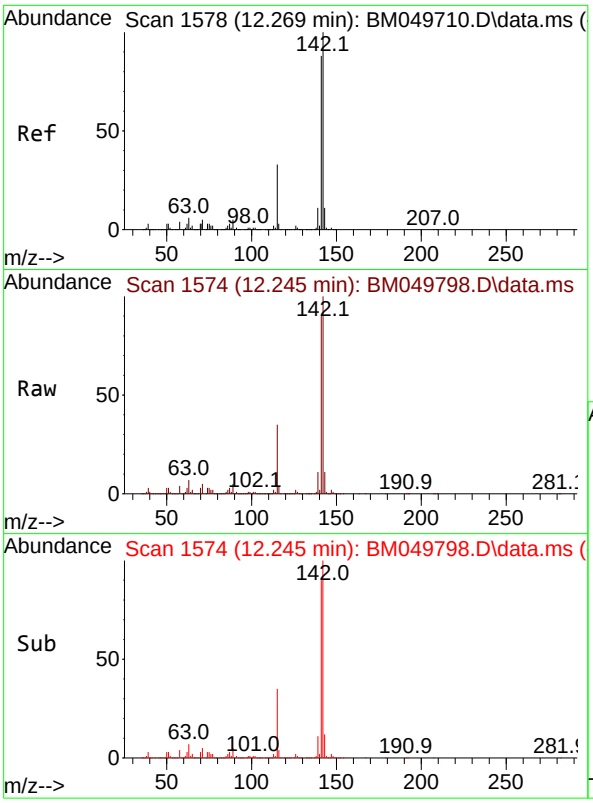


#36
4-Chloro-3-methylphenol
Concen: 58.839 ng
RT: 11.875 min Scan# 1511
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:107 Resp: 884772

Ion	Ratio	Lower	Upper
107	100		
144	28.3	23.0	34.6
142	87.1	69.8	104.8



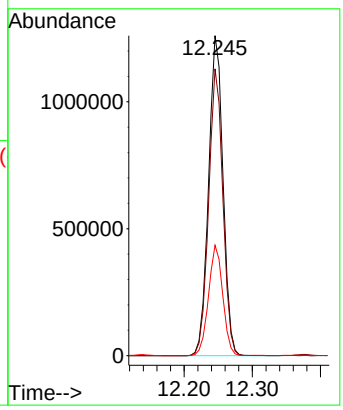


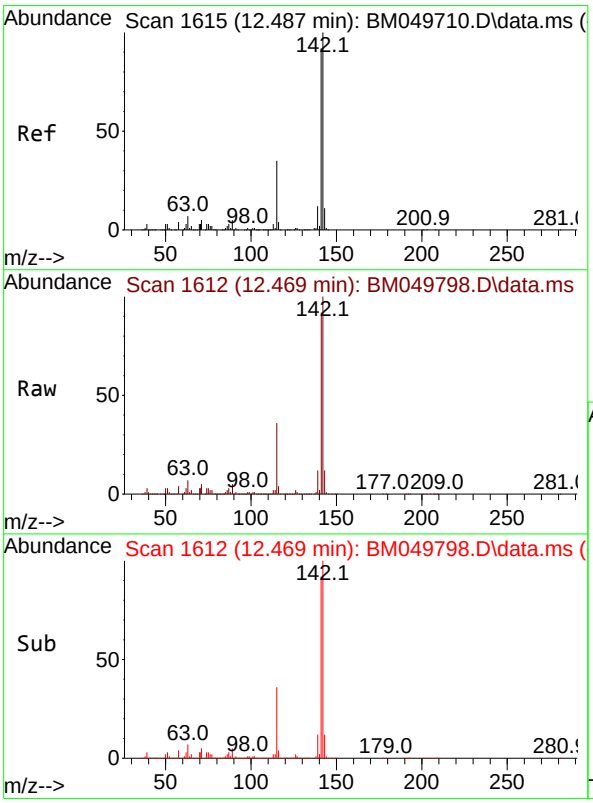
#37
2-Methylnaphthalene
Concen: 47.891 ng
RT: 12.245 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:142 Resp: 1861004

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.5	105.7
115	34.5	26.5	39.7

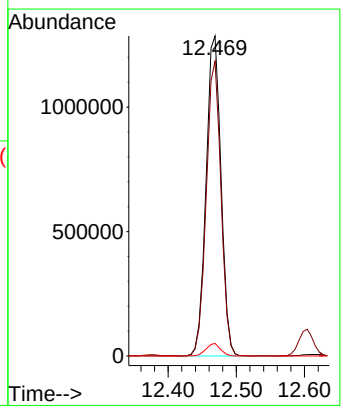


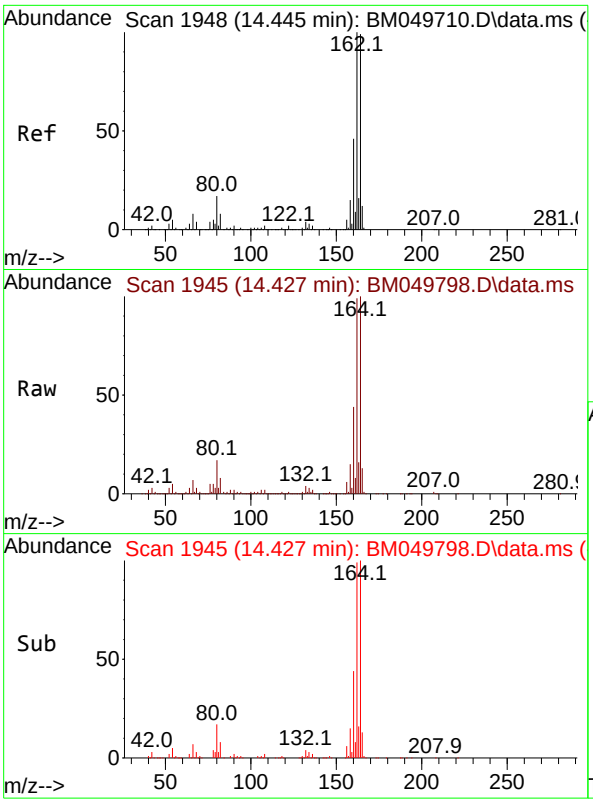


#38
1-Methylnaphthalene
Concen: 52.276 ng
RT: 12.469 min Scan# 1612
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:142 Resp: 1959907

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.4	110.2
116	3.9	2.8	4.2



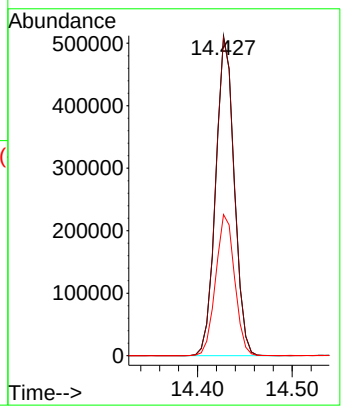


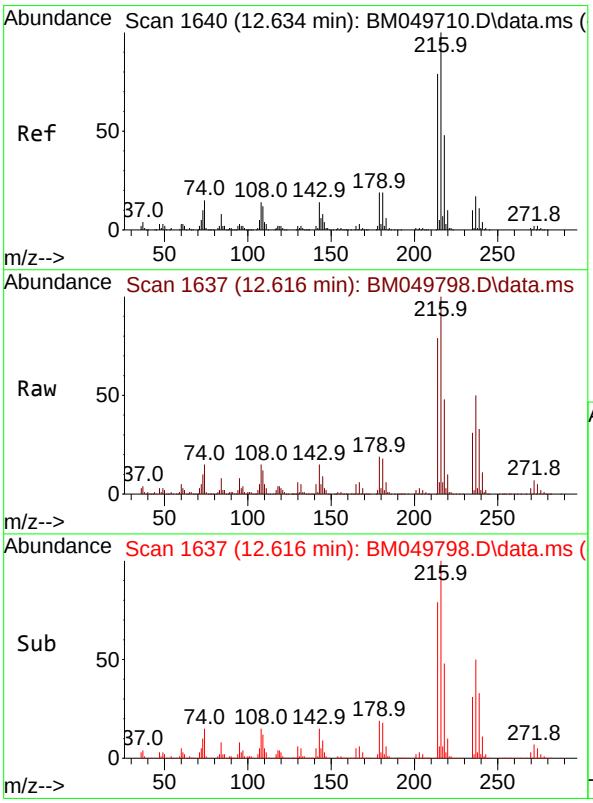
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:164 Resp: 695223

Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.5	120.7
160	44.1	36.9	55.3

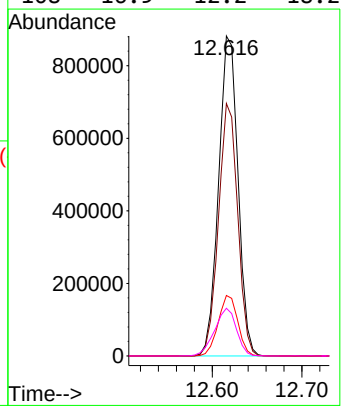


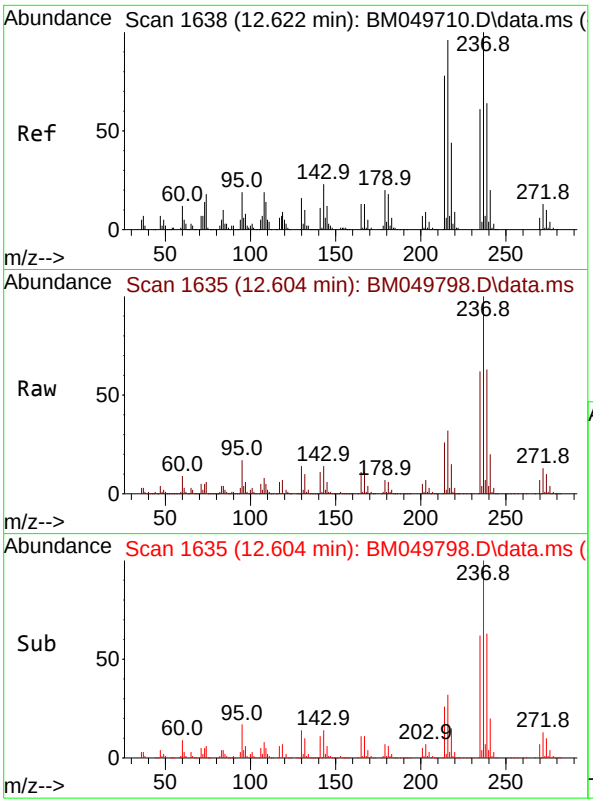


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.805 ng
RT: 12.616 min Scan# 1637
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:216 Resp: 1322932

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.5	95.3
179	19.2	15.7	23.5
108	16.9	12.2	18.2



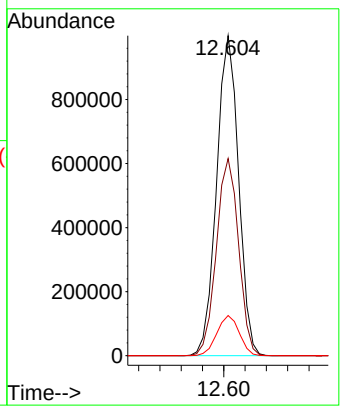


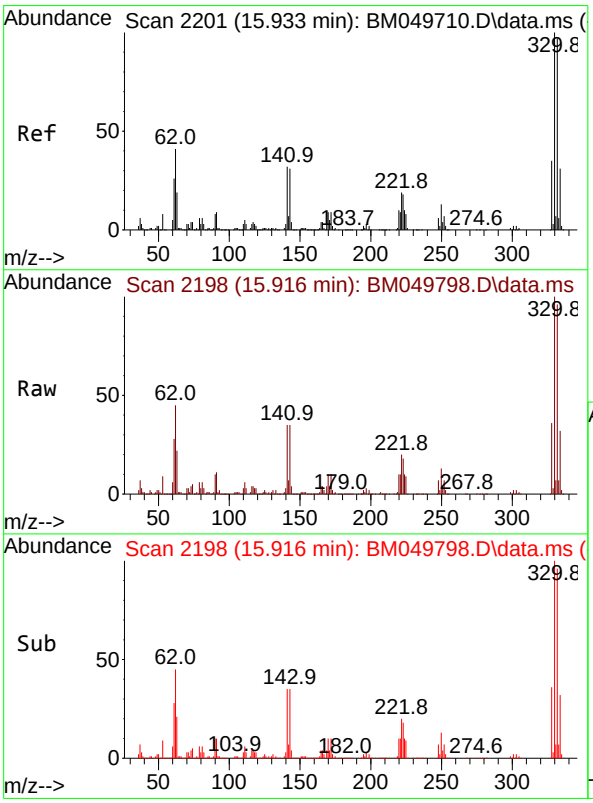
#41
Hexachlorocyclopentadiene
Concen: 150.944 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:237 Resp: 1428020

Ion	Ratio	Lower	Upper
237	100		
235	61.6	41.1	81.1
272	12.6	0.0	32.5

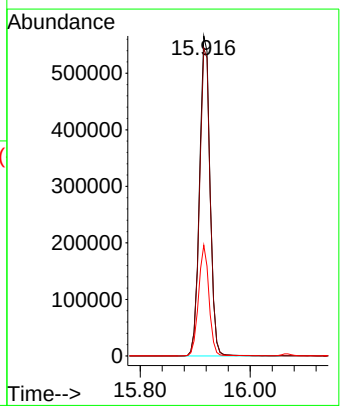


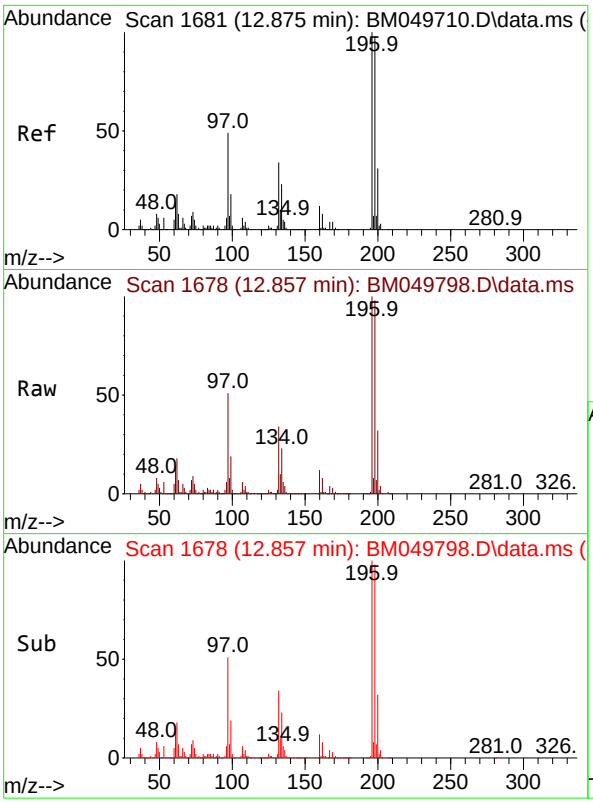


#42
2,4,6-Tribromophenol
Concen: 92.443 ng
RT: 15.916 min Scan# 2198
Delta R.T. -0.017 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:330 Resp: 750465

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.4
141	34.6	27.8	41.6



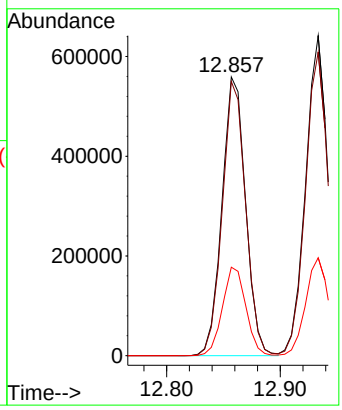


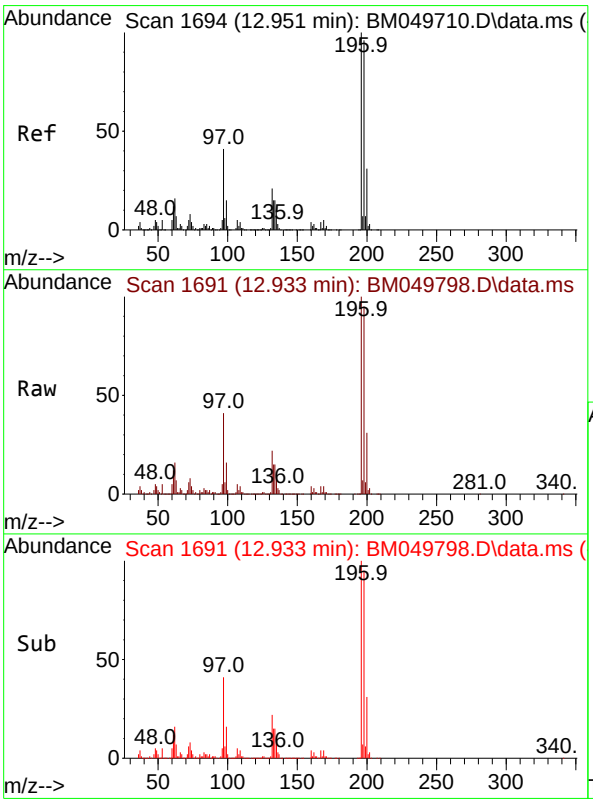
#43
2,4,6-Trichlorophenol
Concen: 56.590 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:196 Resp: 809368

Ion	Ratio	Lower	Upper
196	100		
198	98.4	78.3	117.5
200	31.8	25.1	37.7

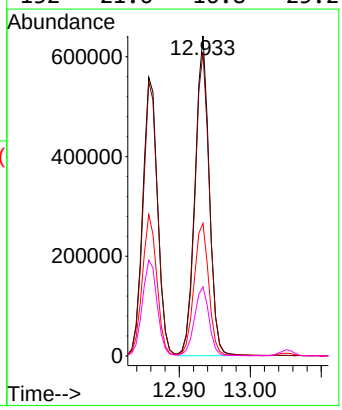


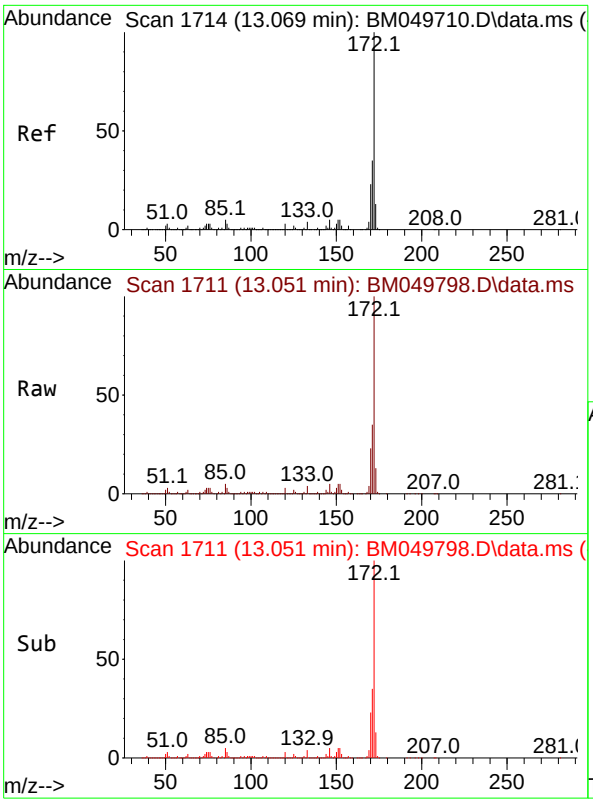


#44
2,4,5-Trichlorophenol
Concen: 57.028 ng
RT: 12.933 min Scan# 1691
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:196 Resp: 890069

Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.7	115.1
97	41.4	32.9	49.3
132	21.6	16.8	25.2



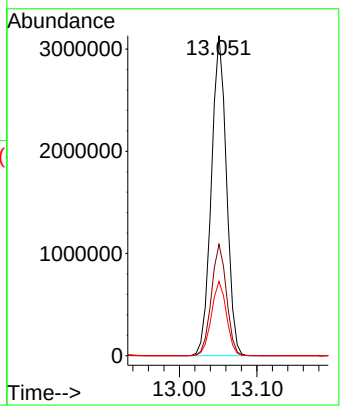


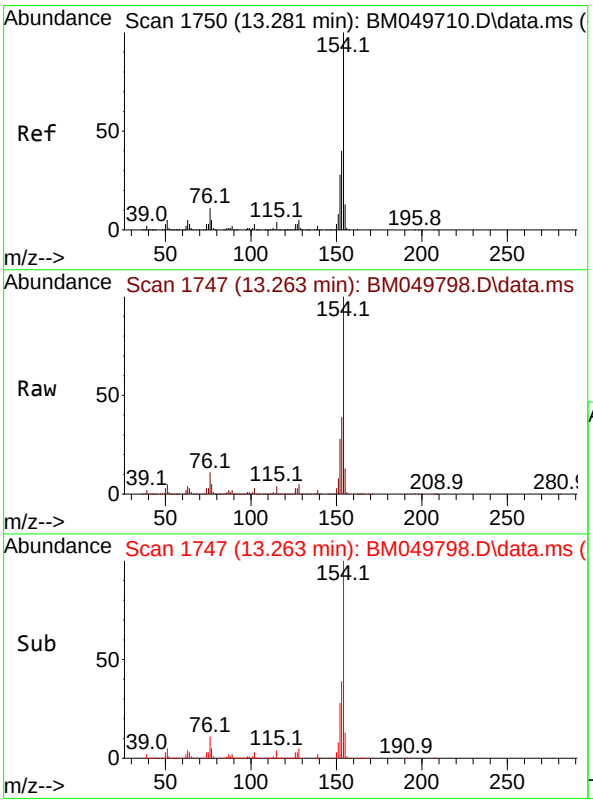
#45
2-Fluorobiphenyl
Concen: 76.296 ng
RT: 13.051 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:172 Resp: 4235386

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.9	41.9
170	23.2	18.6	28.0

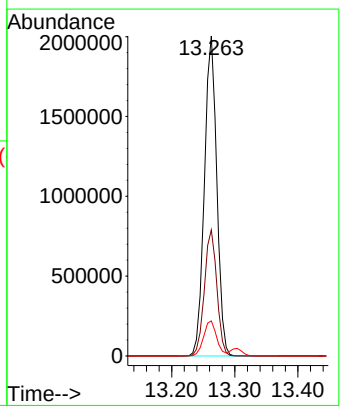


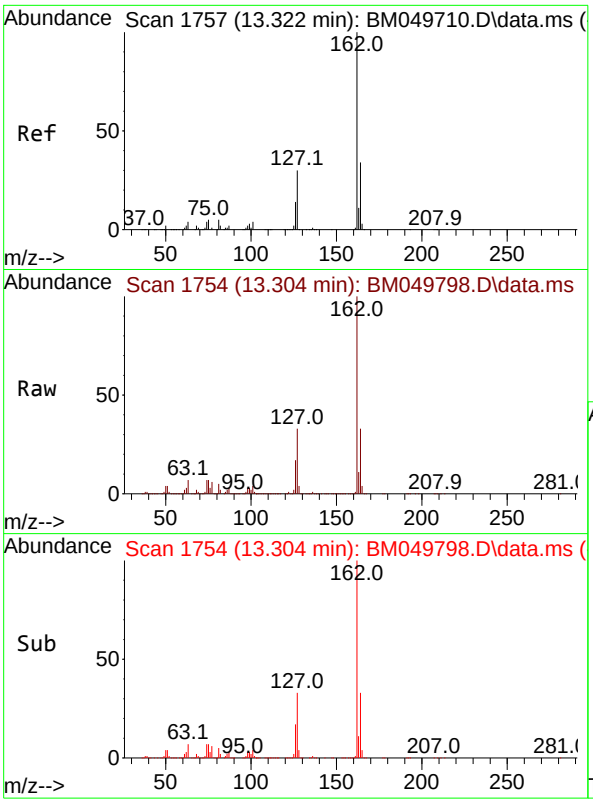


#46
1,1'-Biphenyl
Concen: 51.049 ng
RT: 13.263 min Scan# 1747
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:154 Resp: 2735288

Ion	Ratio	Lower	Upper
154	100		
153	39.4	19.7	59.7
76	10.9	0.0	31.2



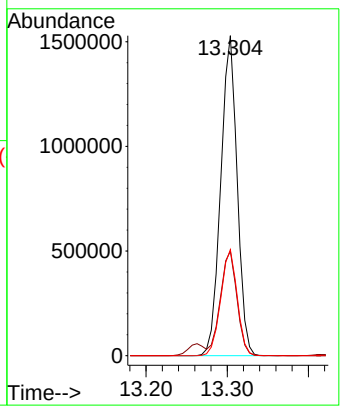


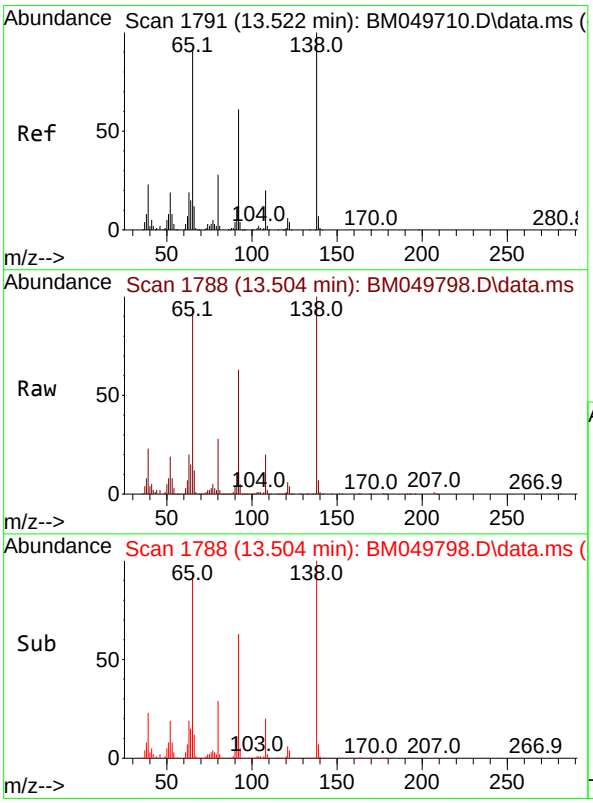
#47
2-Chloronaphthalene
Concen: 51.606 ng
RT: 13.304 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:162 Resp: 2152277

Ion	Ratio	Lower	Upper
162	100		
127	32.7	25.8	38.6
164	33.2	27.1	40.7

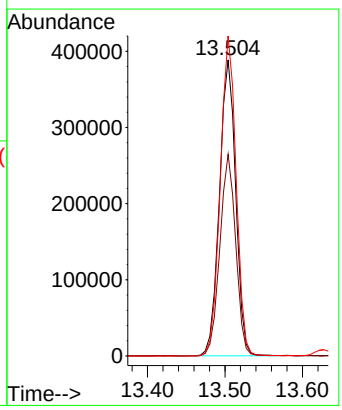


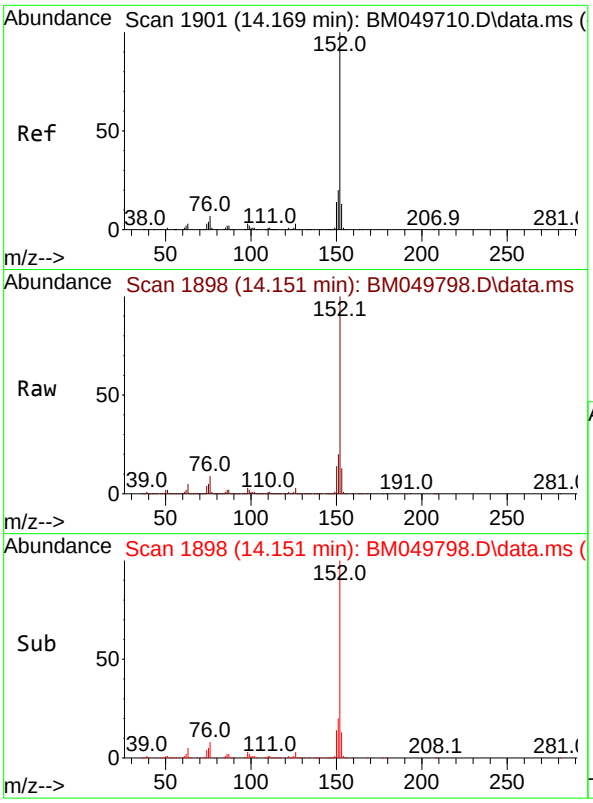


#48
2-Nitroaniline
Concen: 60.340 ng
RT: 13.504 min Scan# 1788
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion: 65 Resp: 564926

Ion	Ratio	Lower	Upper
65	100		
92	68.2	53.4	80.2
138	108.1	87.6	131.4



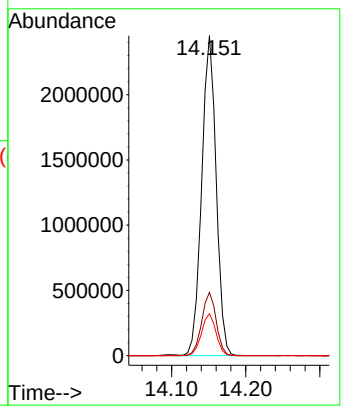


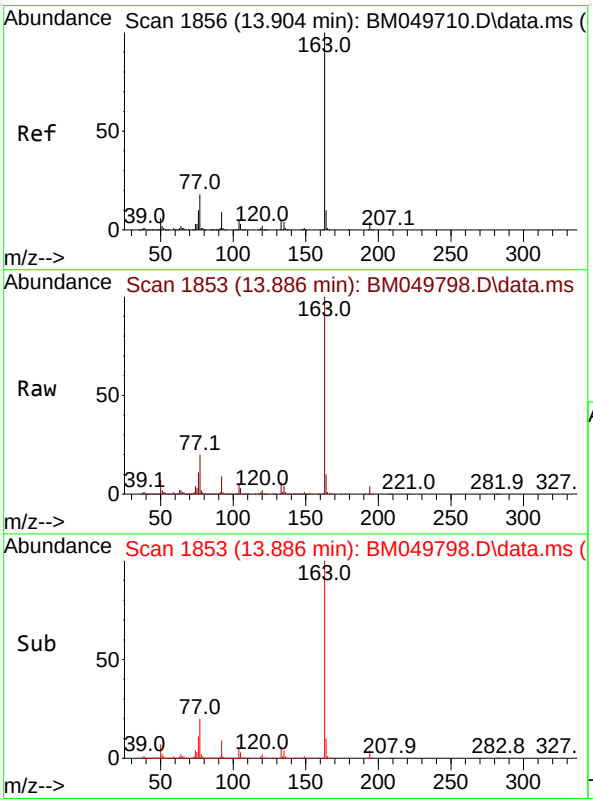
#49
Acenaphthylene
Concen: 56.993 ng
RT: 14.151 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:152 Resp: 3322494

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.1	10.2	15.4

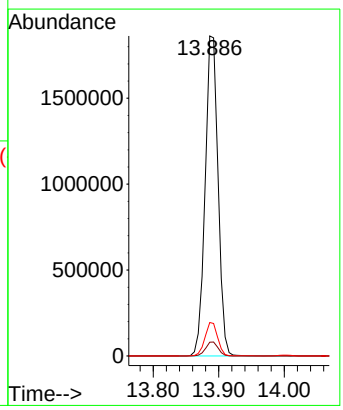


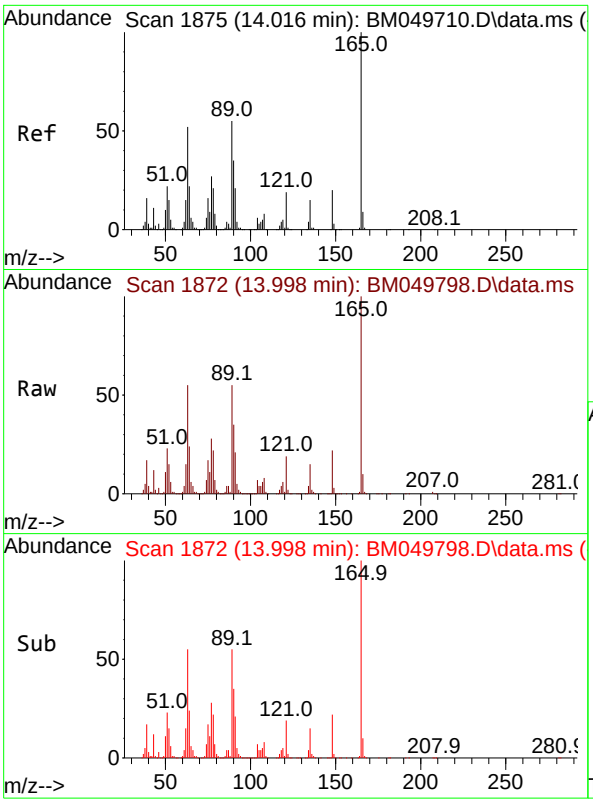


#50
Dimethylphthalate
Concen: 53.378 ng
RT: 13.886 min Scan# 1853
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:163 Resp: 2554966

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.5	8.2	12.2



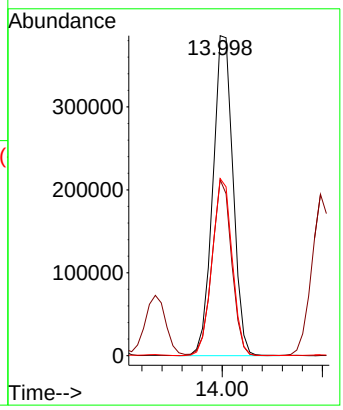


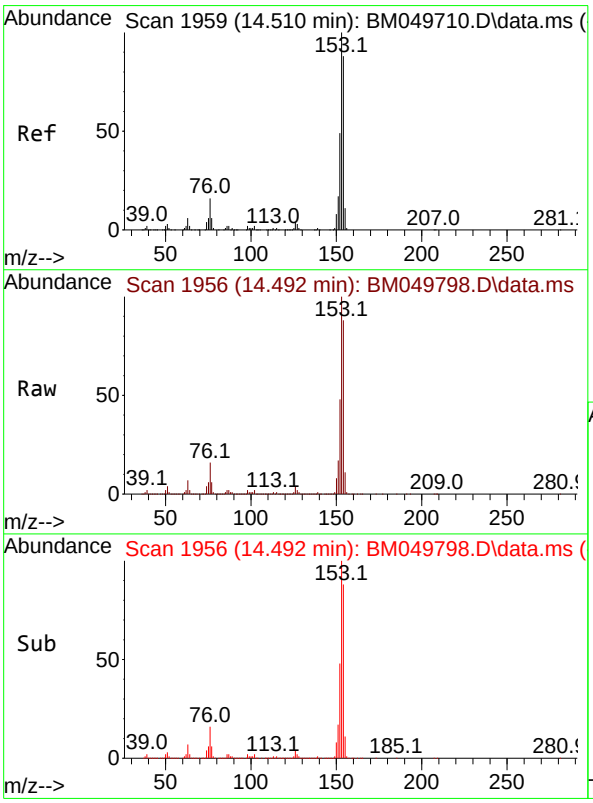
#51
2,6-Dinitrotoluene
Concen: 56.147 ng
RT: 13.998 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:165 Resp: 538495

Ion	Ratio	Lower	Upper
165	100		
63	55.0	42.3	63.5
89	55.4	43.9	65.9

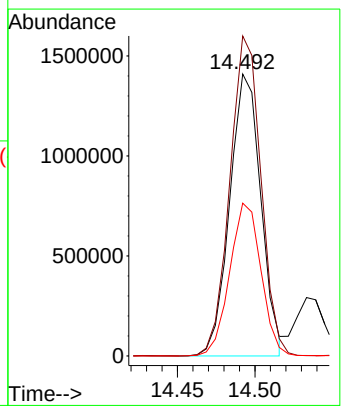


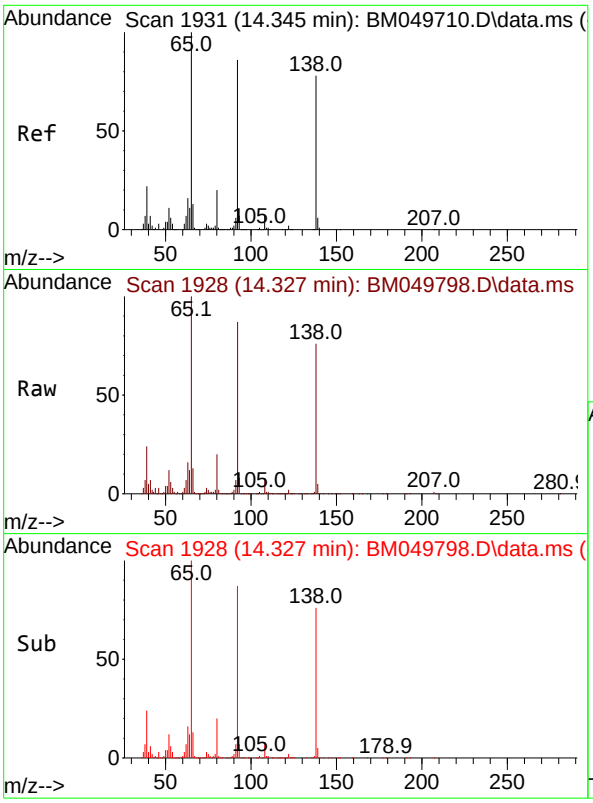


#52
Acenaphthene
Concen: 51.478 ng
RT: 14.492 min Scan# 1956
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:154 Resp: 1968455

Ion	Ratio	Lower	Upper
154	100		
153	113.5	90.4	135.6
152	54.2	44.2	66.2



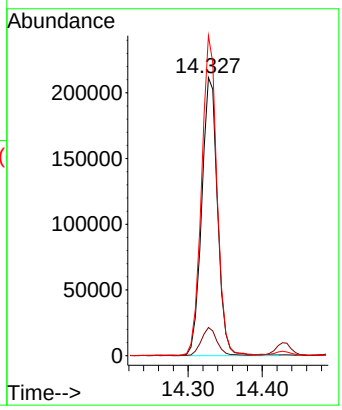


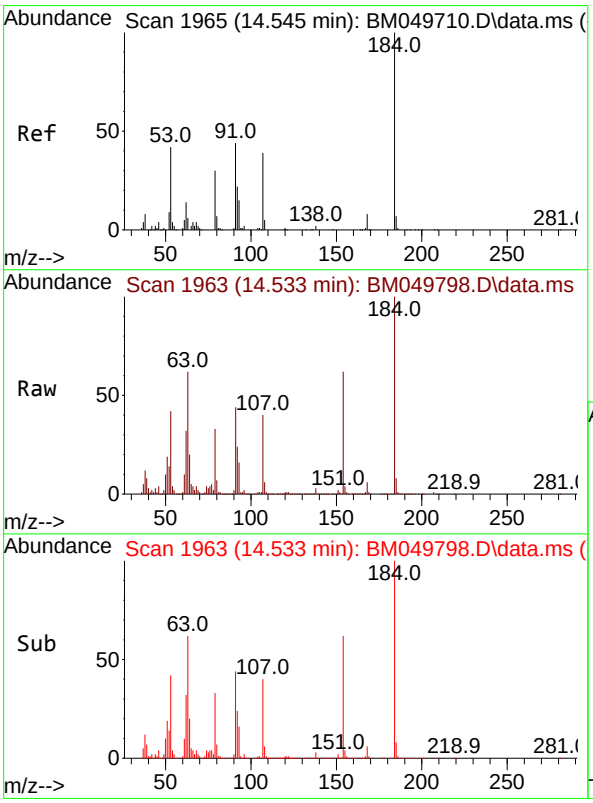
#53
3-Nitroaniline
Concen: 34.475 ng
RT: 14.327 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:138 Resp: 314639

Ion	Ratio	Lower	Upper
138	100		
108	10.1	7.5	11.3
92	115.1	88.0	132.0

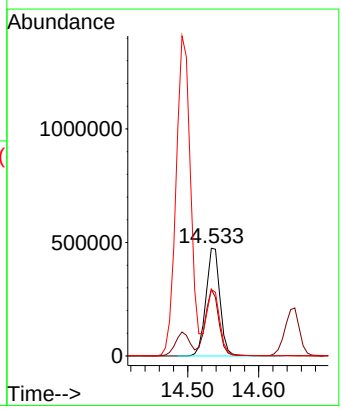


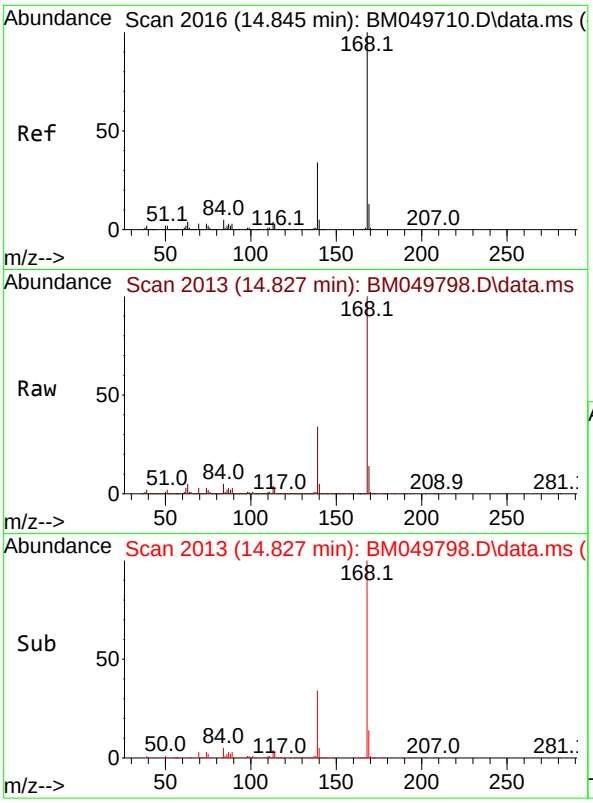


#54
2,4-Dinitrophenol
Concen: 98.061 ng
RT: 14.533 min Scan# 1963
Delta R.T. -0.012 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:184 Resp: 653721

Ion	Ratio	Lower	Upper
184	100		
63	62.0	47.2	70.8
154	61.7	49.9	74.9



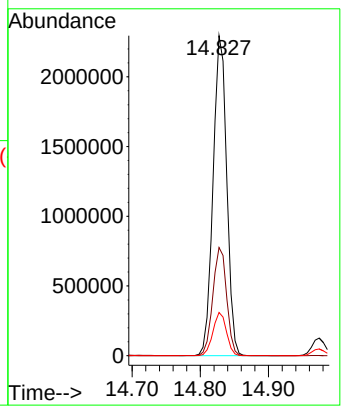


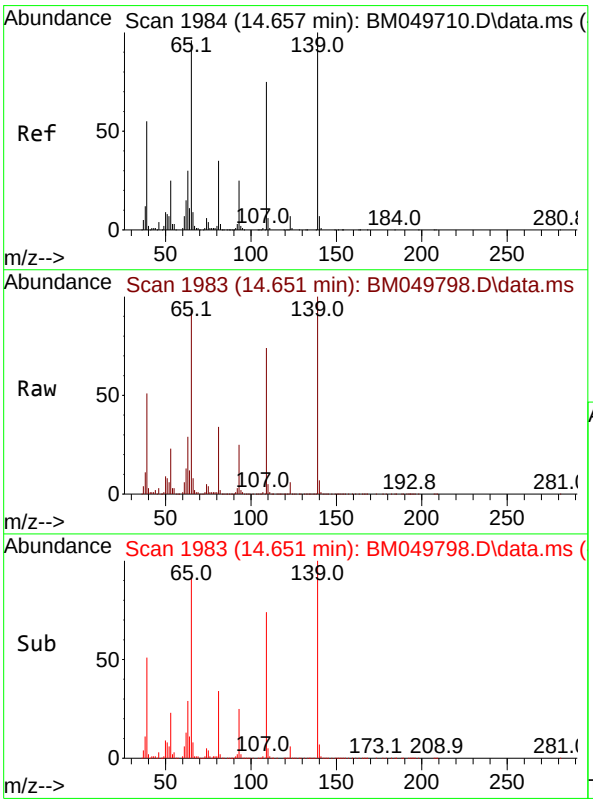
#55
Dibenzofuran
Concen: 50.220 ng
RT: 14.827 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:168 Resp: 3199926

Ion	Ratio	Lower	Upper
168	100		
139	33.8	27.4	41.0
169	13.5	10.7	16.1

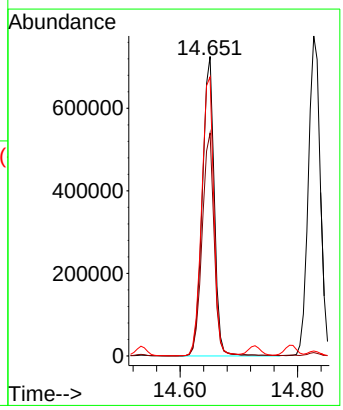


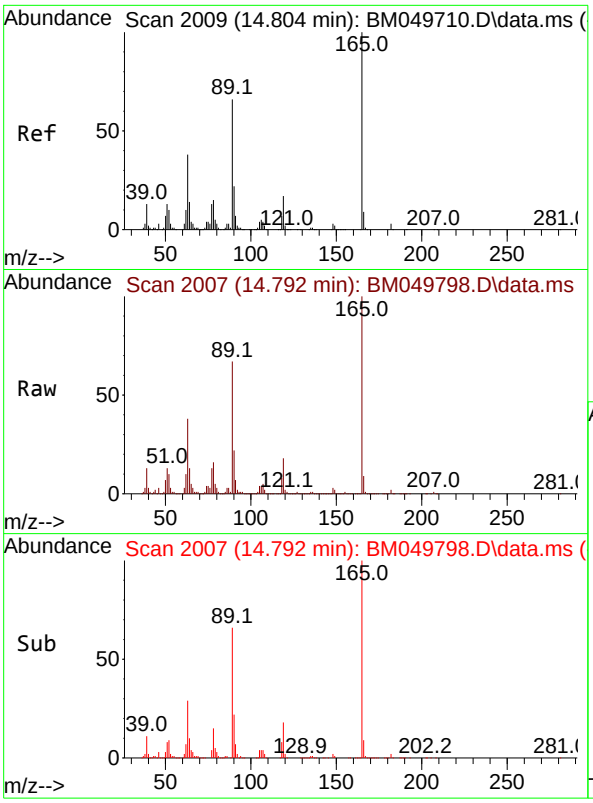


#56
4-Nitrophenol
Concen: 128.370 ng
RT: 14.651 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:139 Resp: 1019822

Ion	Ratio	Lower	Upper
139	100		
109	74.4	54.7	94.7
65	93.2	76.2	116.2



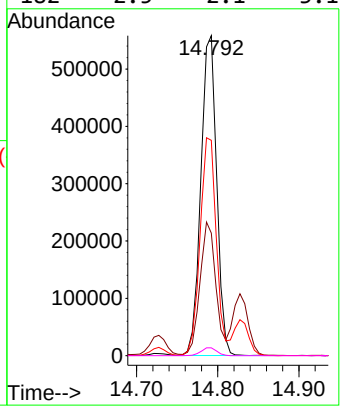


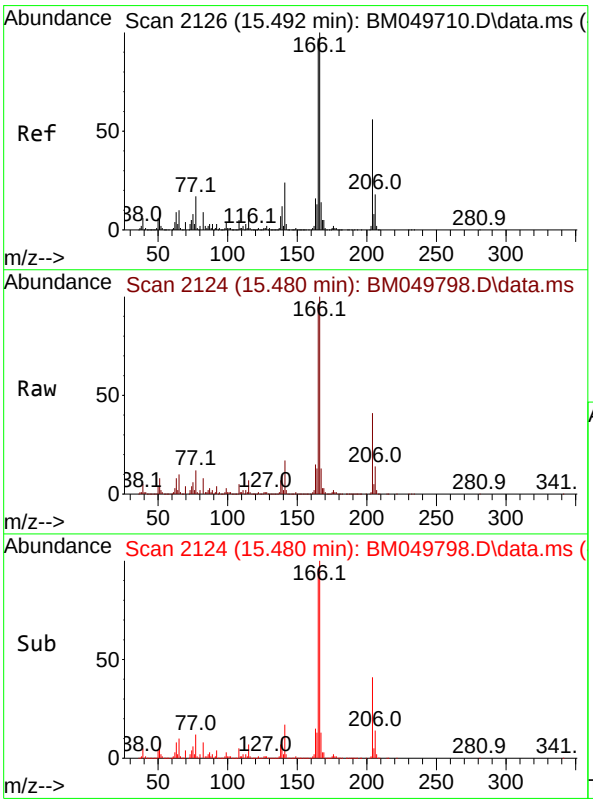
#57
2,4-Dinitrotoluene
Concen: 61.030 ng
RT: 14.792 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:165 Resp: 753182

Ion	Ratio	Lower	Upper
165	100		
63	38.3	30.8	46.2
89	67.3	53.1	79.7
182	2.5	2.1	3.1

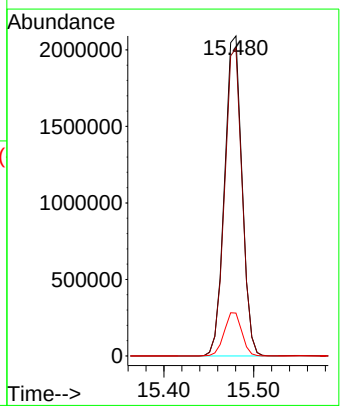


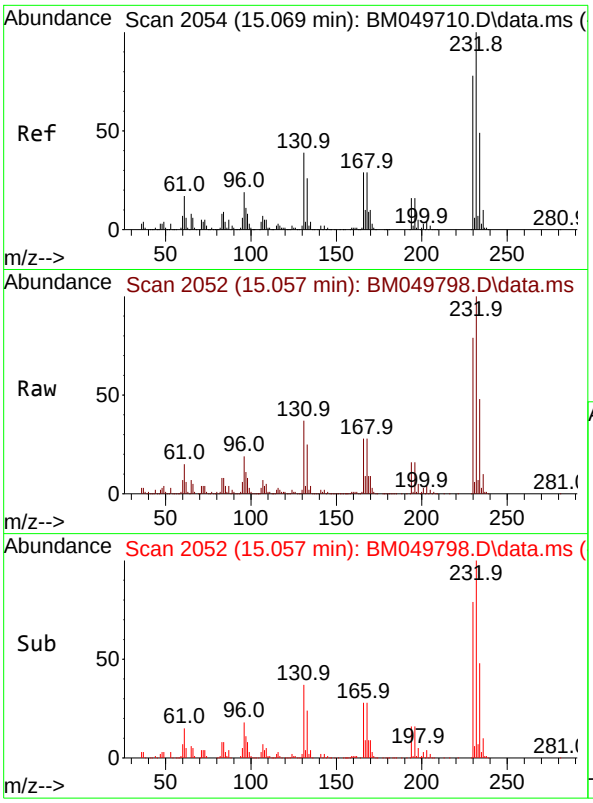


#58
Fluorene
Concen: 54.383 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:166 Resp: 2821256

Ion	Ratio	Lower	Upper
166	100		
165	96.1	77.5	116.3
167	13.4	10.9	16.3



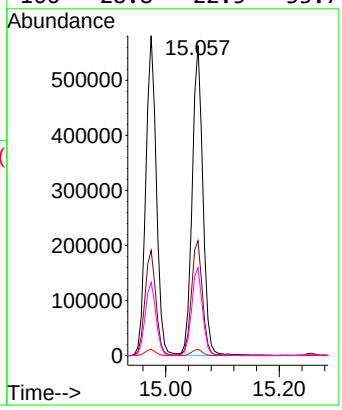


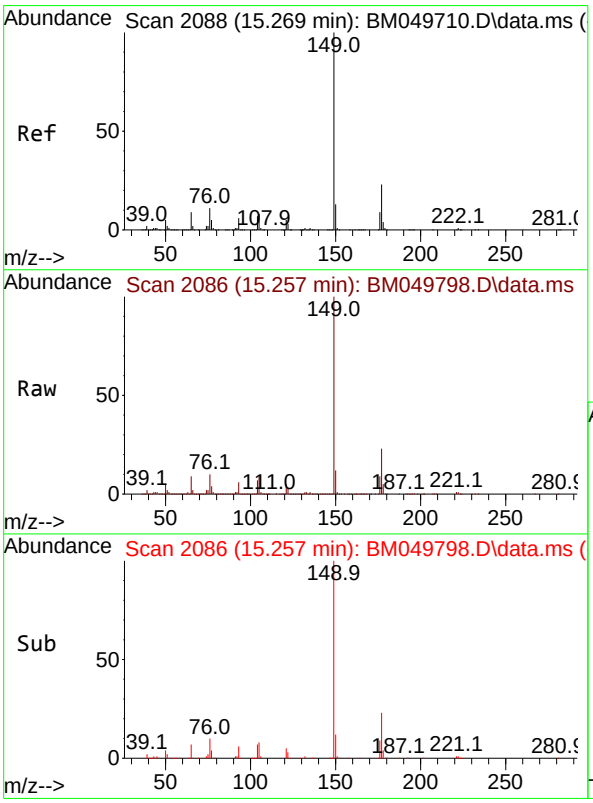
#59
2,3,4,6-Tetrachlorophenol
Concen: 56.842 ng
RT: 15.057 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:232 Resp: 742619

Ion	Ratio	Lower	Upper
232	100		
131	38.1	30.0	45.0
130	2.1	1.6	2.4
166	28.8	22.5	33.7

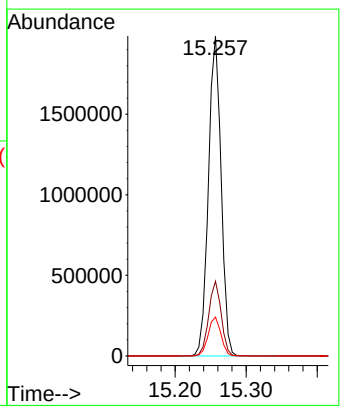


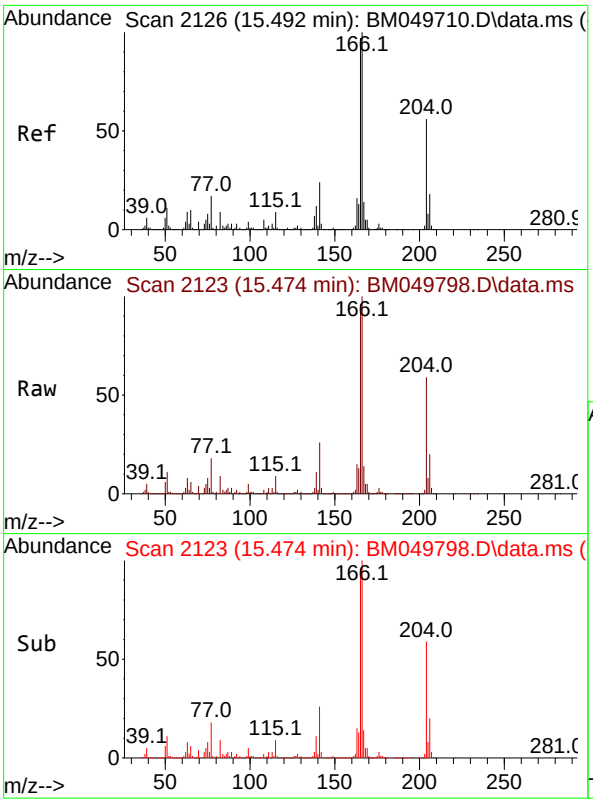


#60
Diethylphthalate
Concen: 54.651 ng
RT: 15.257 min Scan# 2086
Delta R.T. -0.012 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:149 Resp: 2463725

Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.2	27.2
150	12.1	10.0	15.0



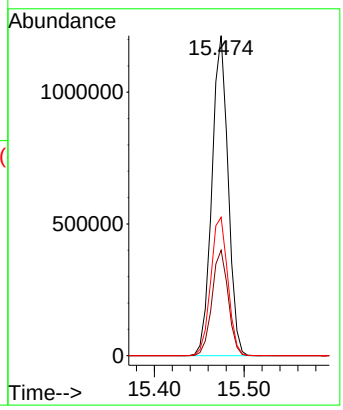


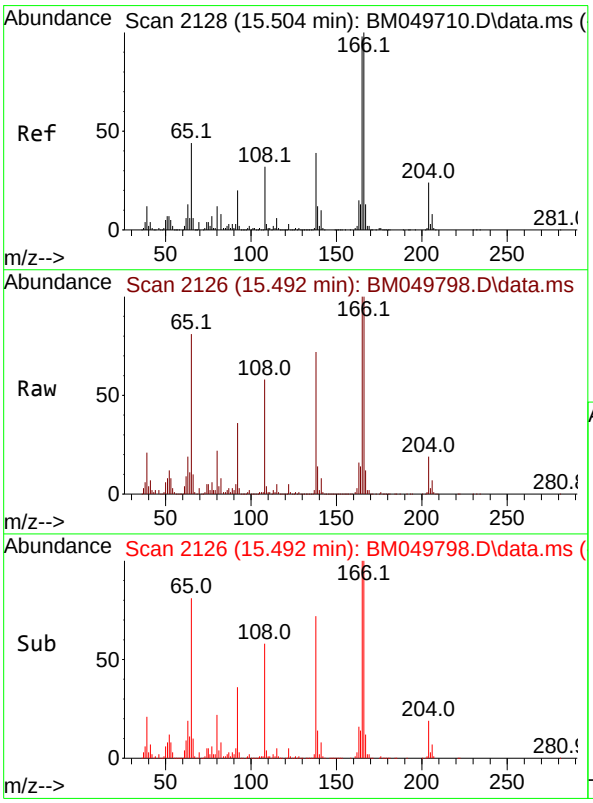
#61
4-Chlorophenyl-phenylether
Concen: 53.735 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:204 Resp: 1522216

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.2	37.8
141	43.2	34.5	51.7

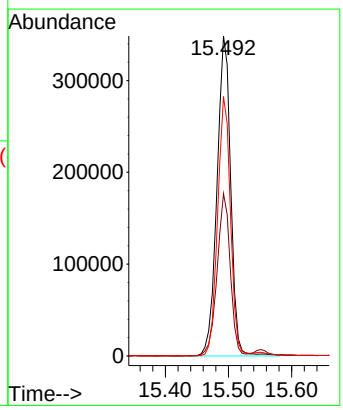


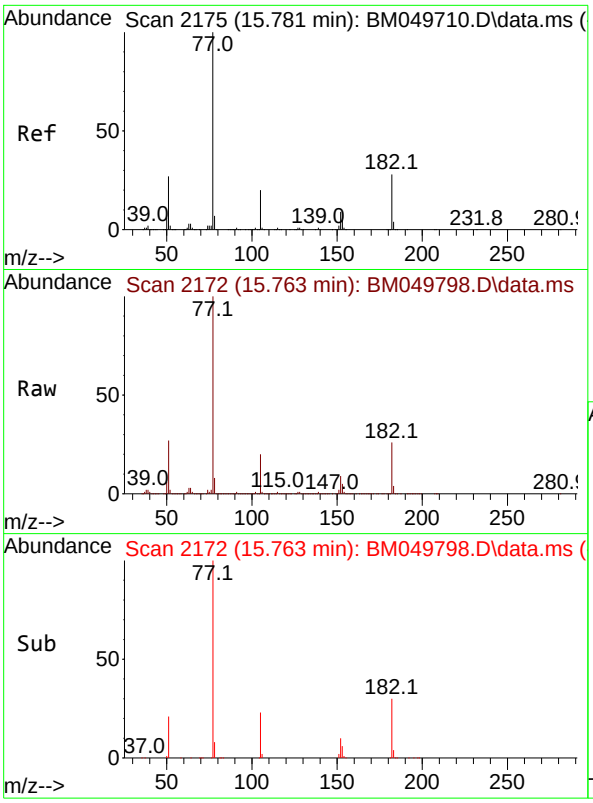


#62
4-Nitroaniline
Concen: 48.498 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.012 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:138 Resp: 527095

Ion	Ratio	Lower	Upper
138	100		
92	50.8	29.8	69.8
108	81.1	61.3	101.3



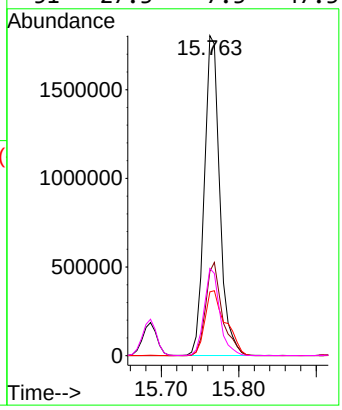


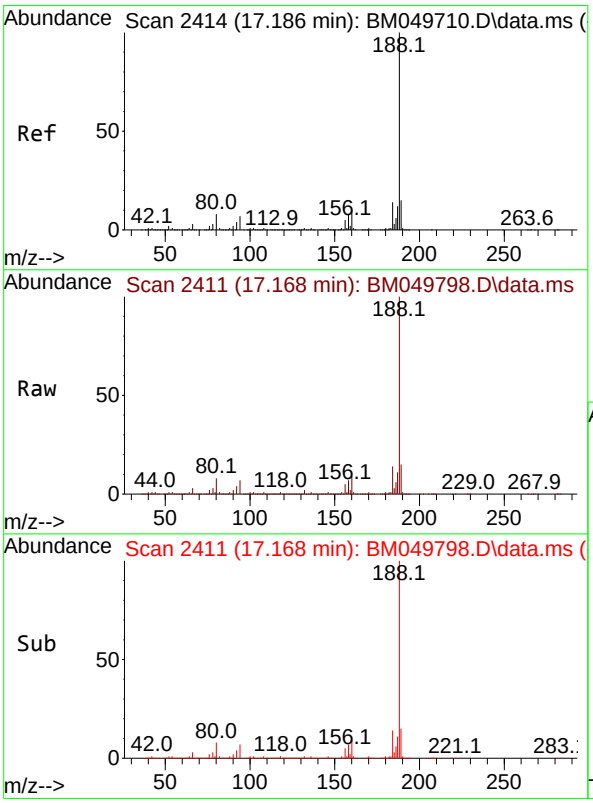
#63
Azobenzene
Concen: 57.796 ng
RT: 15.763 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion: 77 Resp: 2488700

Ion	Ratio	Lower	Upper
77	100		
182	26.3	8.0	48.0
105	19.9	0.0	40.0
51	27.3	7.3	47.3

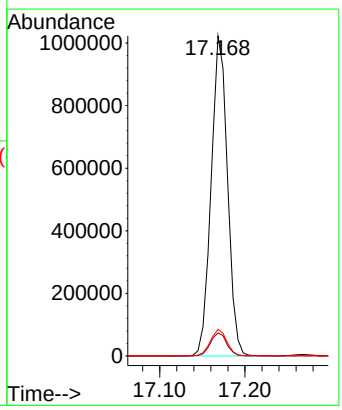


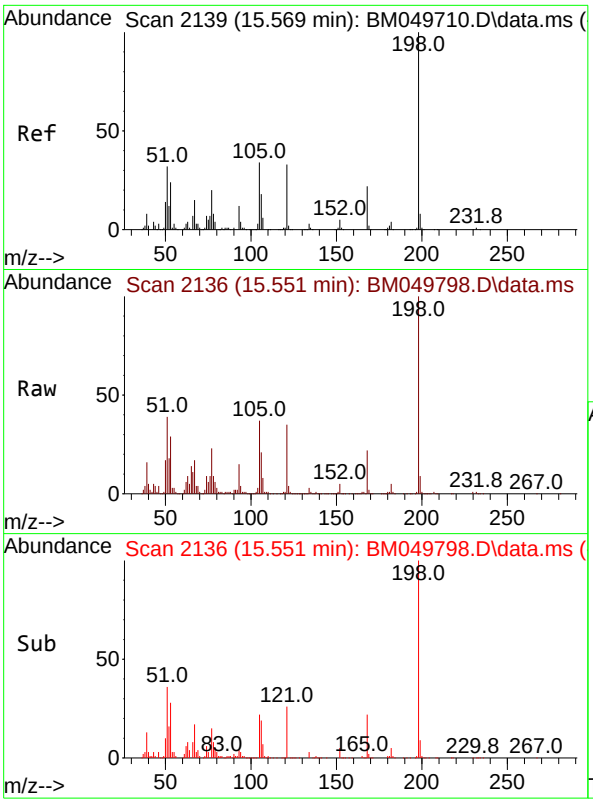


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 2411
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:188 Resp: 1362596

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	8.3	6.3	9.5



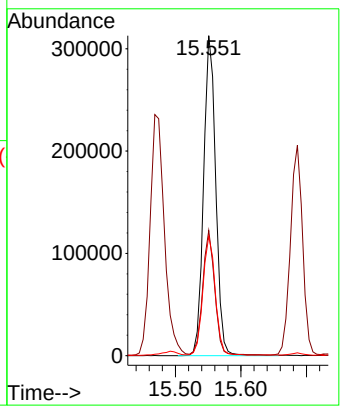


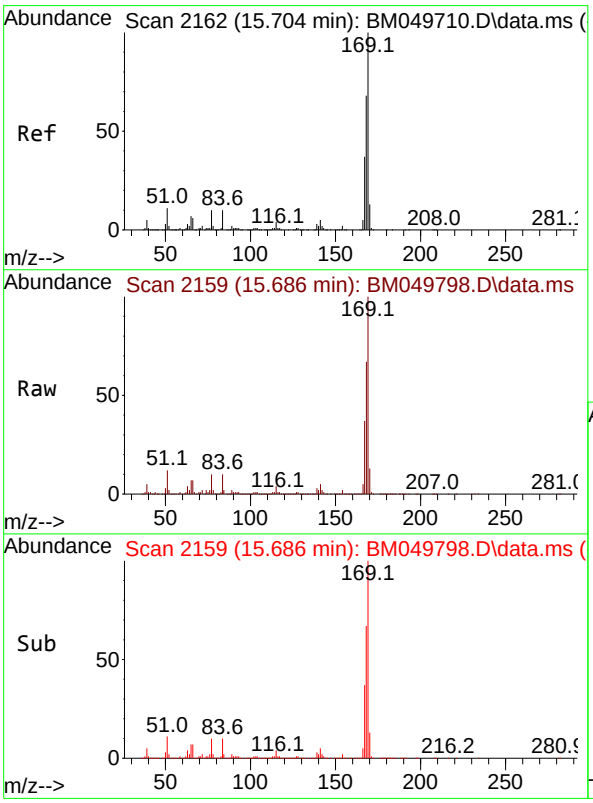
#65
4,6-Dinitro-2-methylphenol
Concen: 53.086 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:198 Resp: 404706

Ion	Ratio	Lower	Upper
198	100		
51	39.1	13.8	53.8
105	37.4	14.0	54.0

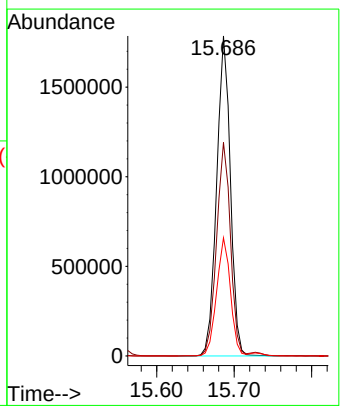


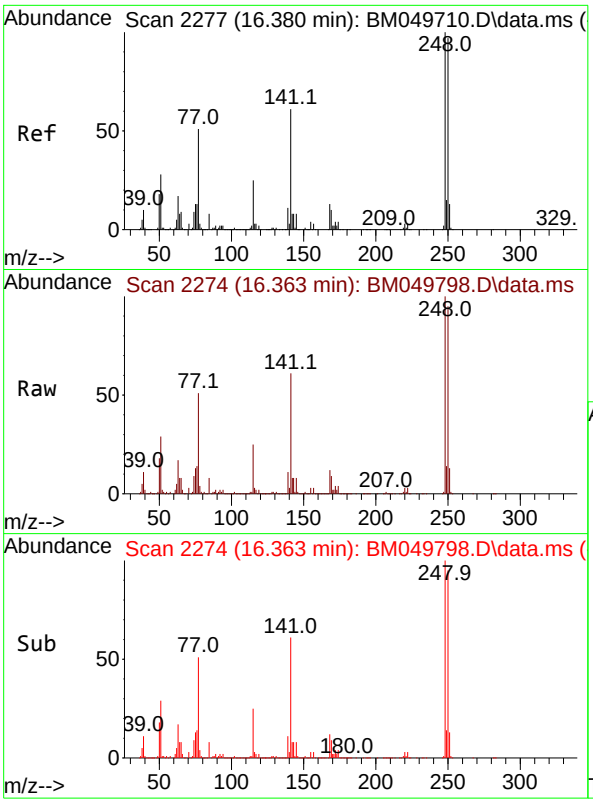


#66
n-Nitrosodiphenylamine
Concen: 53.164 ng
RT: 15.686 min Scan# 2159
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:169 Resp: 2194801

Ion	Ratio	Lower	Upper
169	100		
168	66.7	54.8	82.2
167	36.9	29.9	44.9



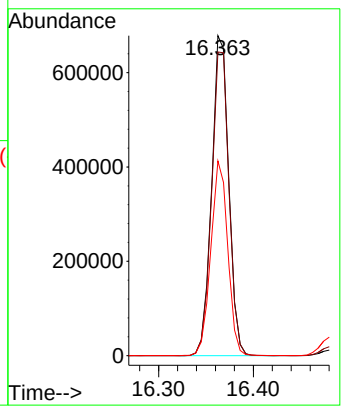


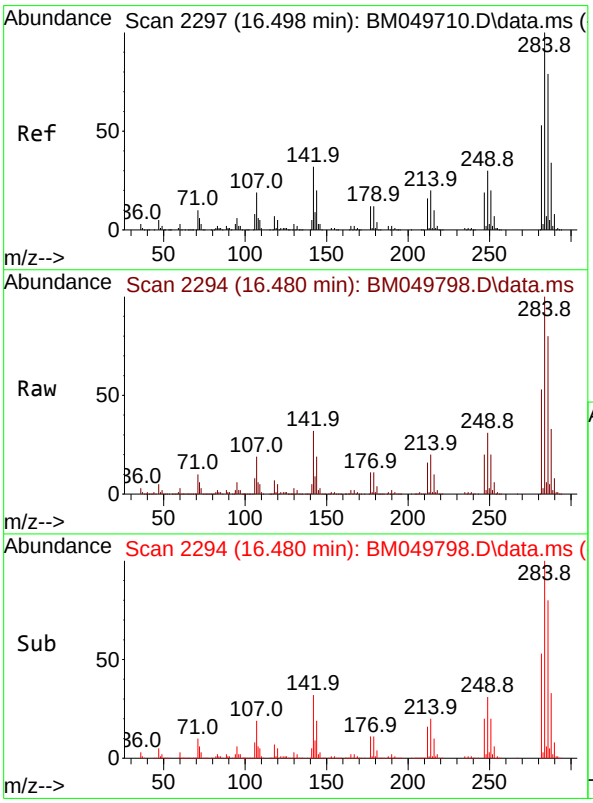
#67
4-Bromophenyl-phenylether
Concen: 53.889 ng
RT: 16.363 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:248 Resp: 847792

Ion	Ratio	Lower	Upper
248	100		
250	94.9	77.9	116.9
141	60.9	48.6	73.0

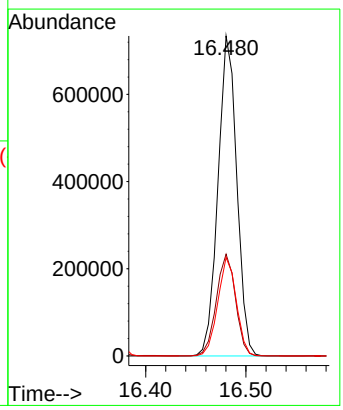


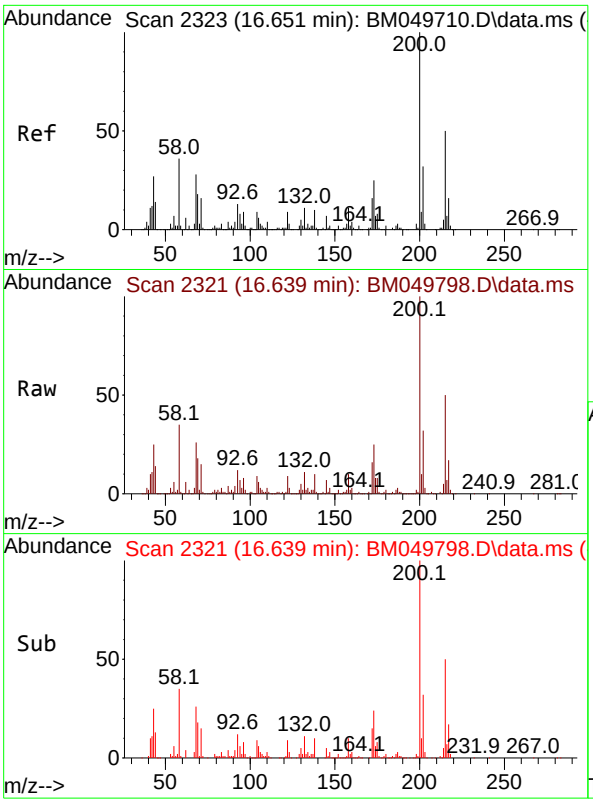


#68
Hexachlorobenzene
Concen: 53.935 ng
RT: 16.480 min Scan# 2294
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:284 Resp: 954172

Ion	Ratio	Lower	Upper
284	100		
142	31.8	25.5	38.3
249	30.8	24.2	36.2



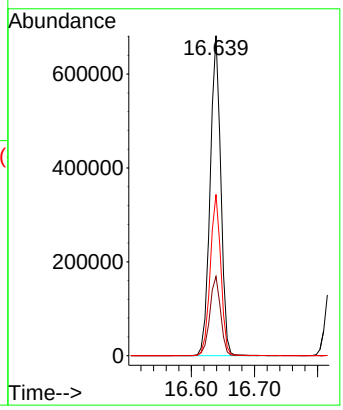


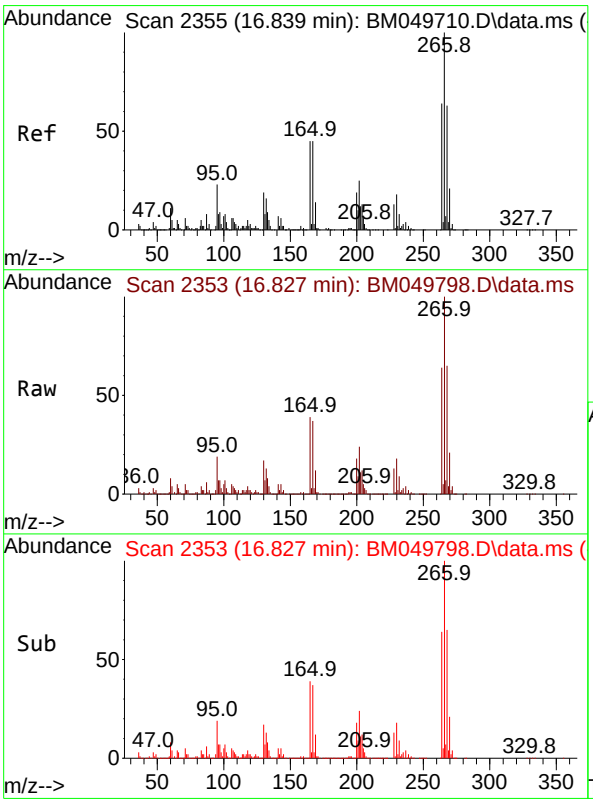
#69
Atrazine
Concen: 87.768 ng
RT: 16.639 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:200 Resp: 798537

Ion	Ratio	Lower	Upper
200	100		
173	24.8	5.4	45.4
215	50.4	29.8	69.8

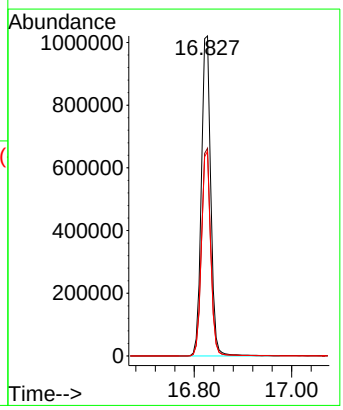


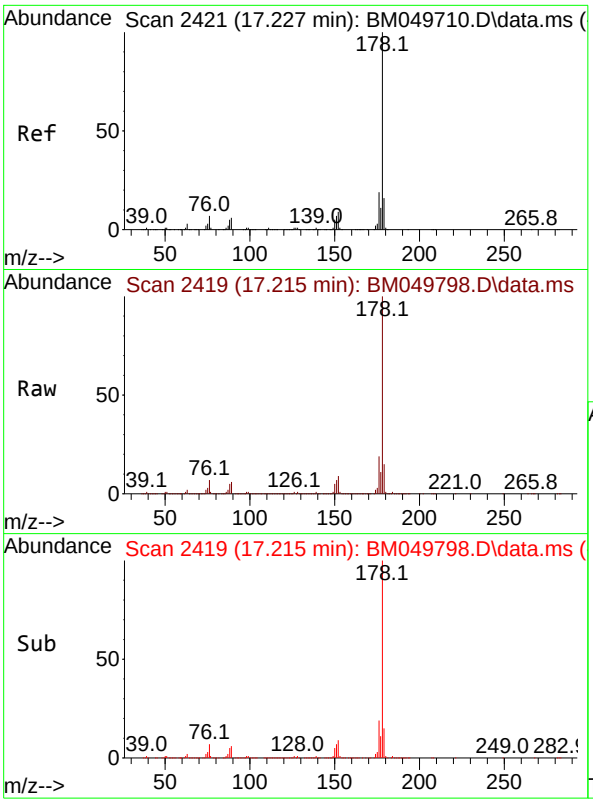


#70
Pentachlorophenol
Concen: 123.098 ng
RT: 16.827 min Scan# 2353
Delta R.T. -0.012 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:266 Resp: 1368549

Ion	Ratio	Lower	Upper
266	100		
268	64.9	50.2	75.2
264	64.0	51.3	76.9



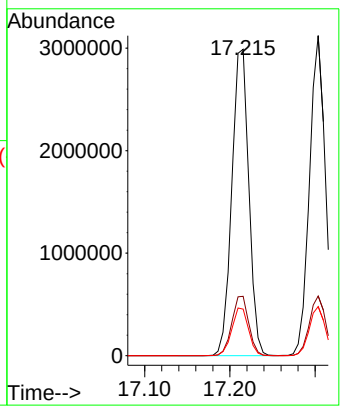


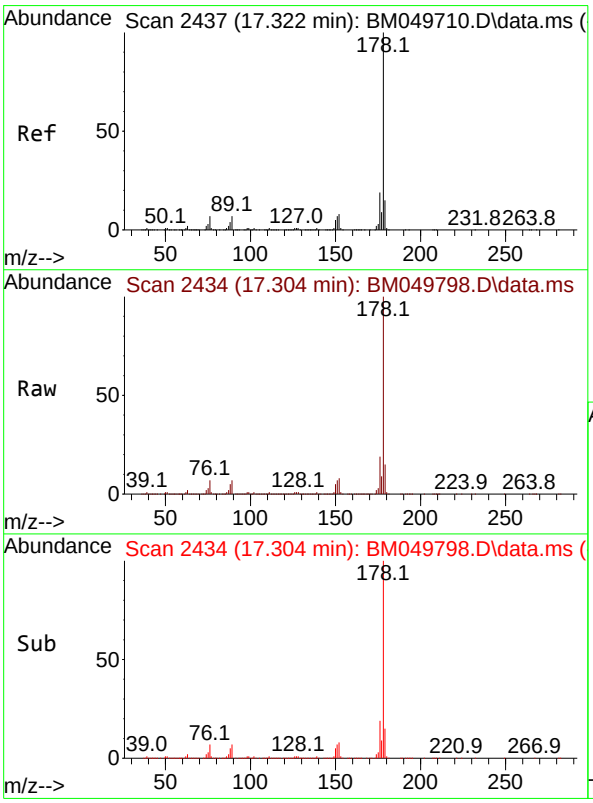
#71
Phenanthrene
Concen: 54.812 ng
RT: 17.215 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:178 Resp: 4147164

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.2	12.5	18.7

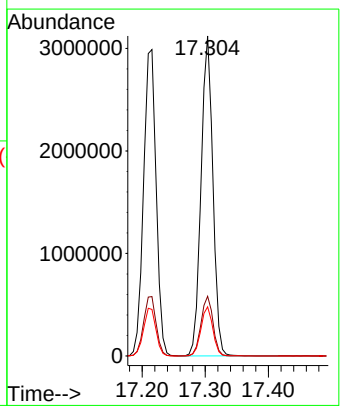


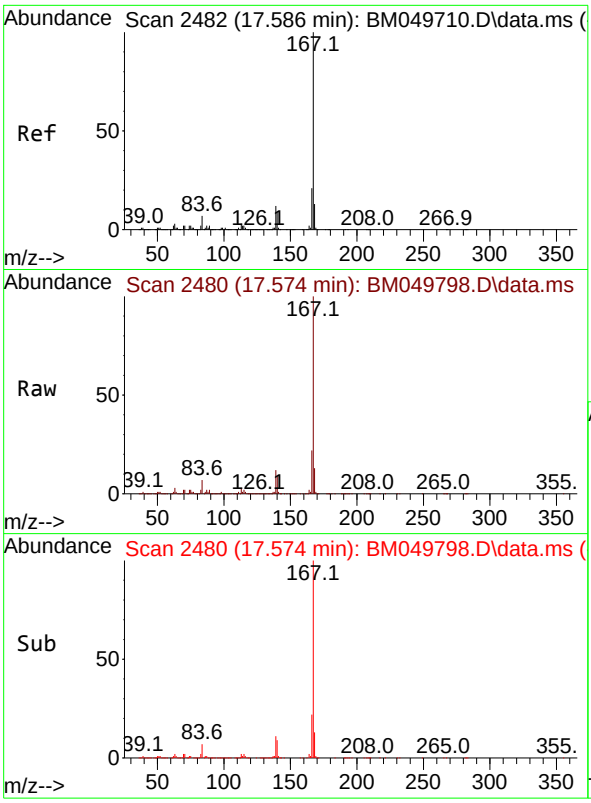


#72
Anthracene
Concen: 55.267 ng
RT: 17.304 min Scan# 2434
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:178 Resp: 4049681

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.4	12.4	18.6



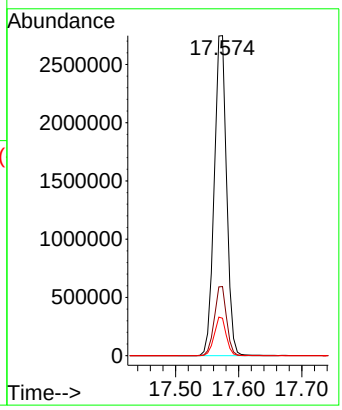


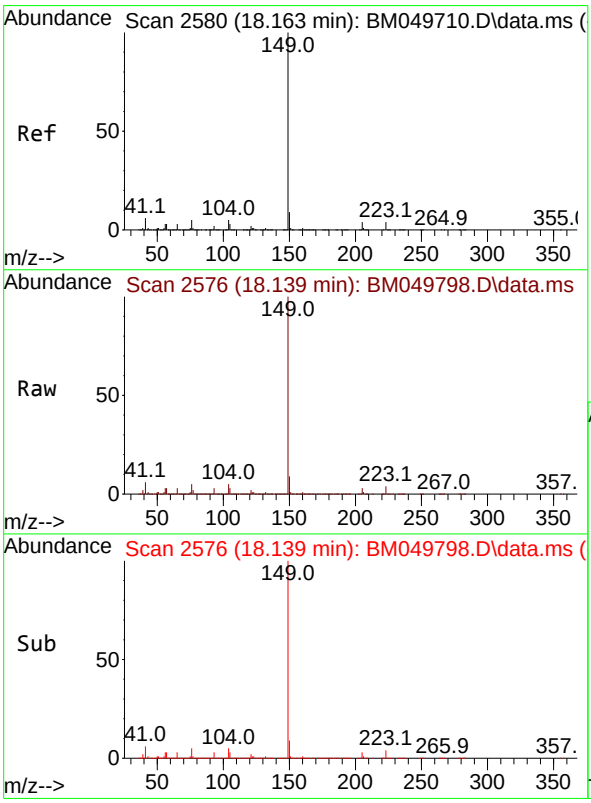
#73
Carbazole
Concen: 56.141 ng
RT: 17.574 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:167 Resp: 3725531

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	11.7	9.4	14.2

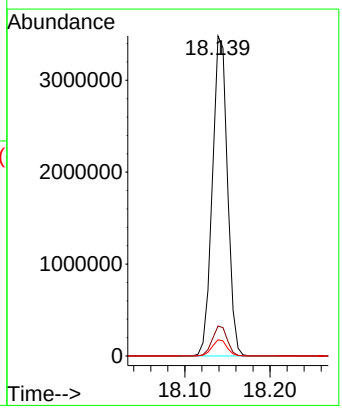


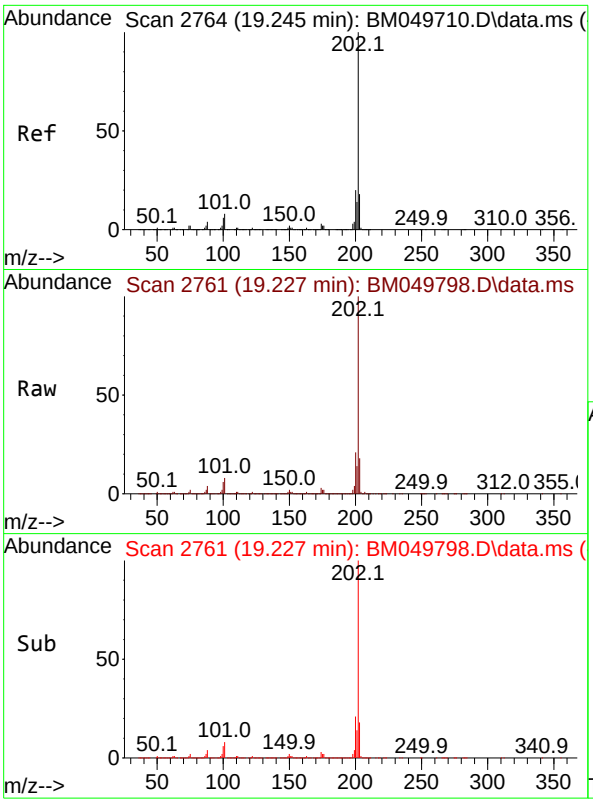


#74
Di-n-butylphthalate
Concen: 58.904 ng
RT: 18.139 min Scan# 2576
Delta R.T. -0.024 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:149 Resp: 4284273

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.2	10.8
104	5.1	3.9	5.9



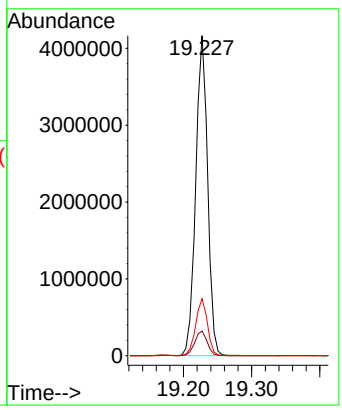


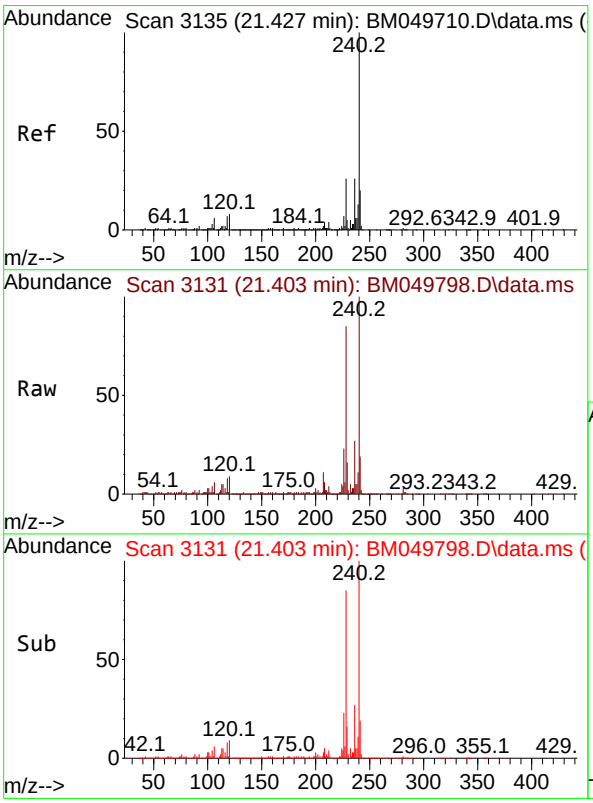
#75
Fluoranthene
Concen: 57.842 ng
RT: 19.227 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:202 Resp: 5038510

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	27.8
203	17.8	0.0	37.6

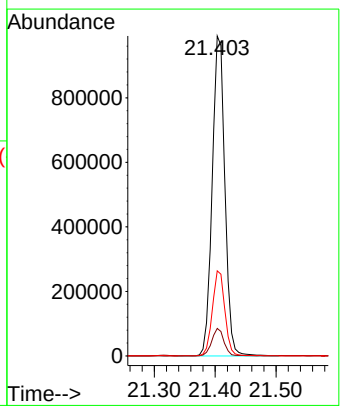


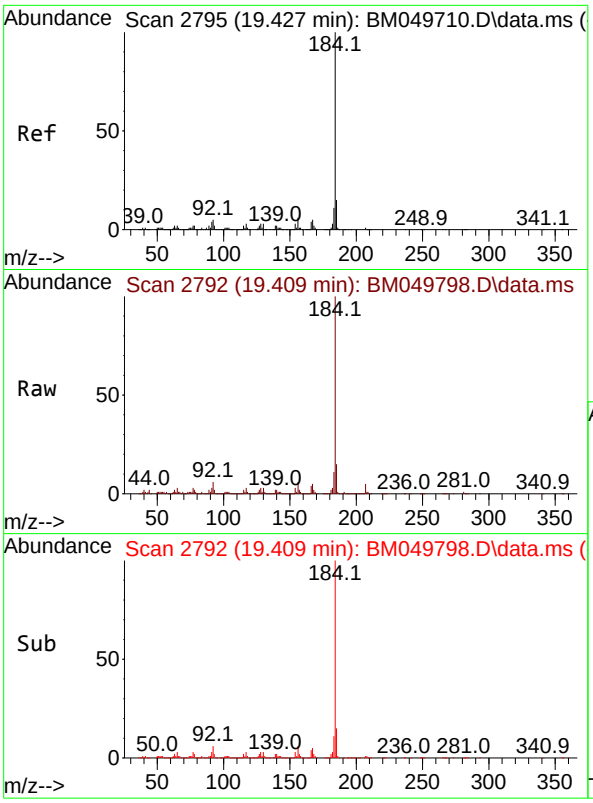


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.024 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:240 Resp: 1430633

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.5	9.7
236	26.6	20.7	31.1



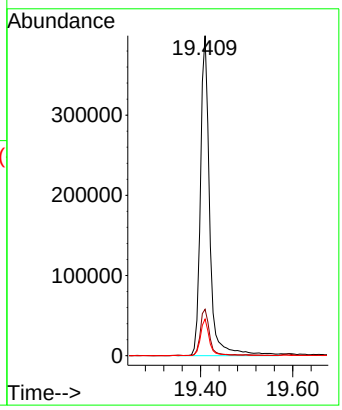


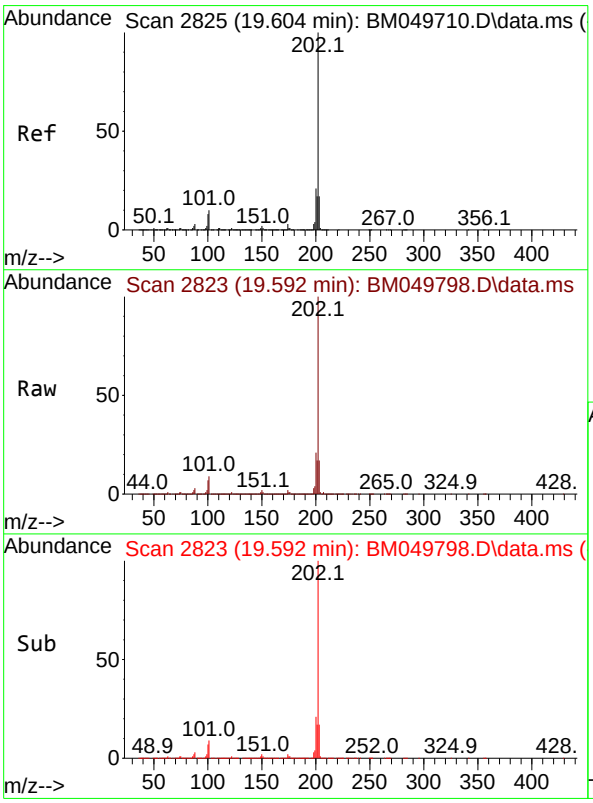
#77
Benzidine
Concen: 32.537 ng
RT: 19.409 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:184 Resp: 559238

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.7	17.5
183	11.4	8.8	13.2

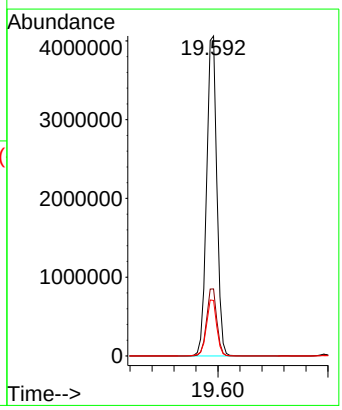


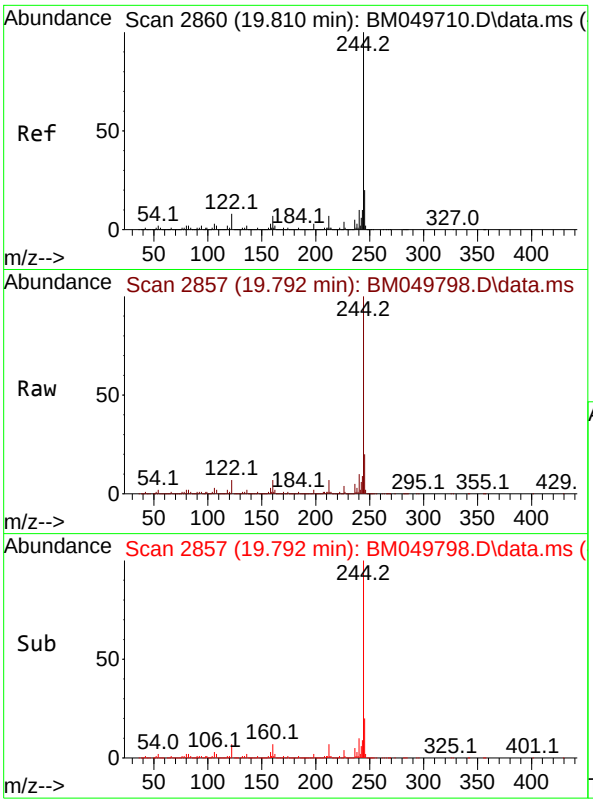


#78
Pyrene
Concen: 52.250 ng
RT: 19.592 min Scan# 2823
Delta R.T. -0.012 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:202 Resp: 5222522

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.3	14.0	21.0



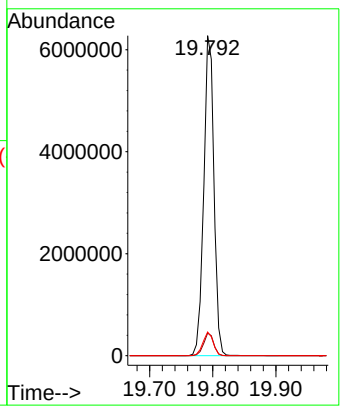


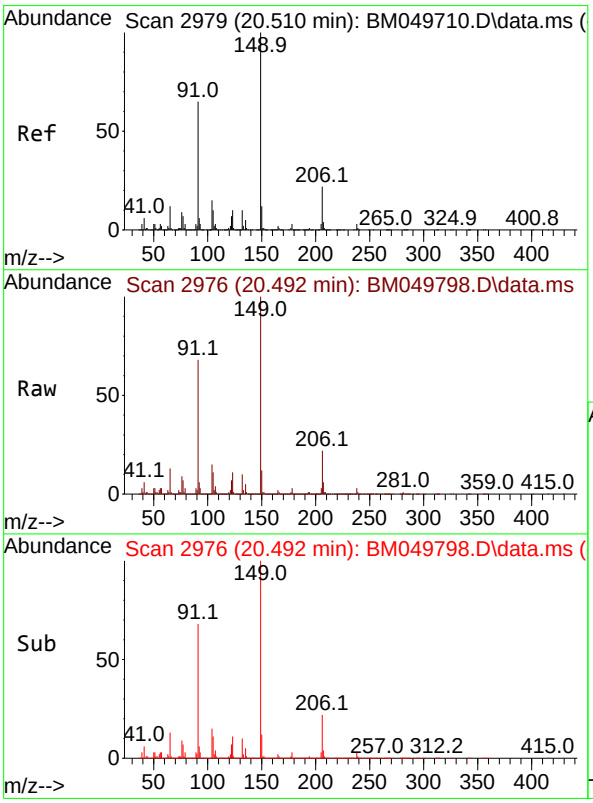
#79
Terphenyl-d14
Concen: 82.927 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:244 Resp: 7040353

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	7.4	6.0	9.0

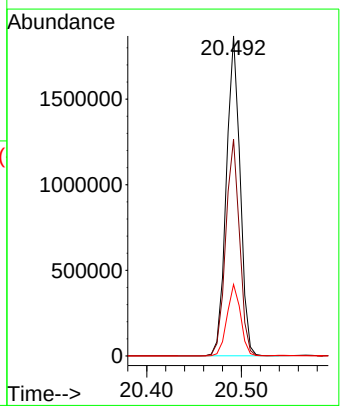


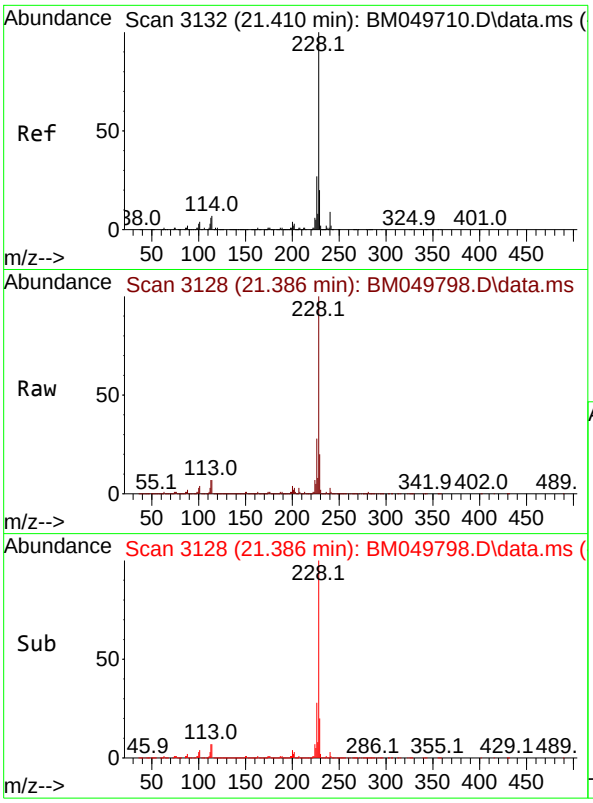


#80
Butylbenzylphthalate
Concen: 61.043 ng
RT: 20.492 min Scan# 2976
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:149 Resp: 1893502

Ion	Ratio	Lower	Upper
149	100		
91	67.7	52.2	78.4
206	22.3	17.6	26.4



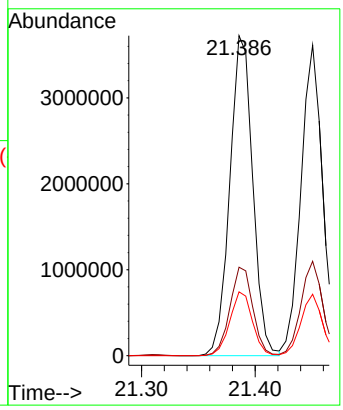


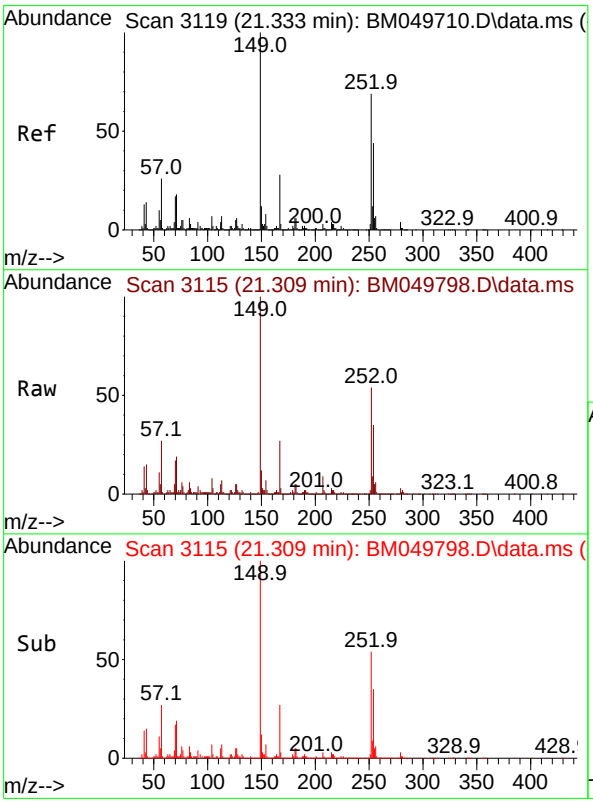
#81
Benzo(a)anthracene
Concen: 54.641 ng
RT: 21.386 min Scan# 3
Delta R.T. -0.024 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:228 Resp: 5221360

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.0	33.0
229	20.0	15.8	23.8

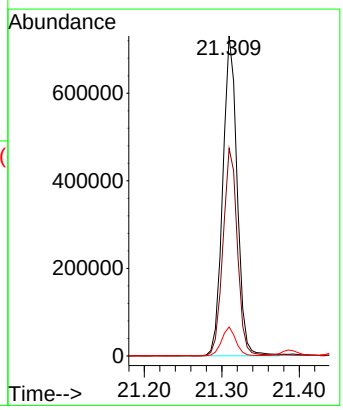


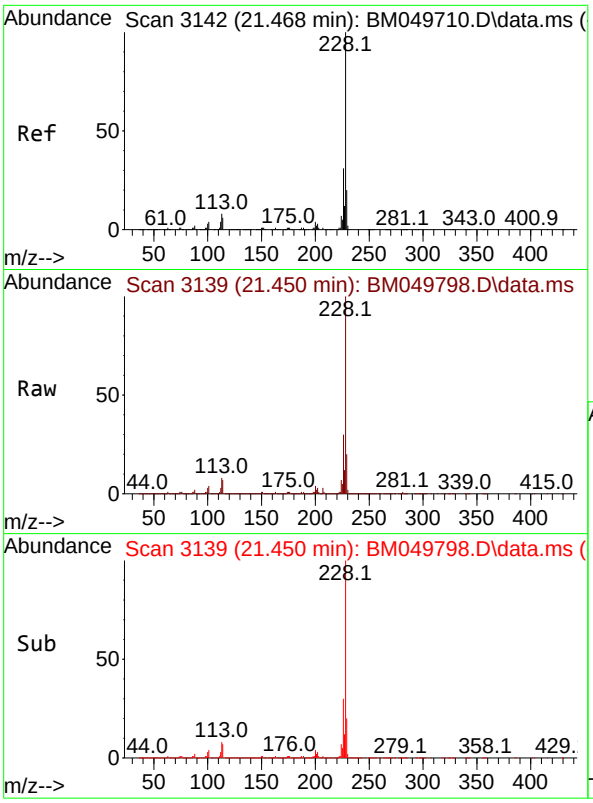


#82
3,3'-Dichlorobenzidine
Concen: 30.367 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.024 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:252 Resp: 944757

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.0	76.4
126	9.0	6.3	9.5



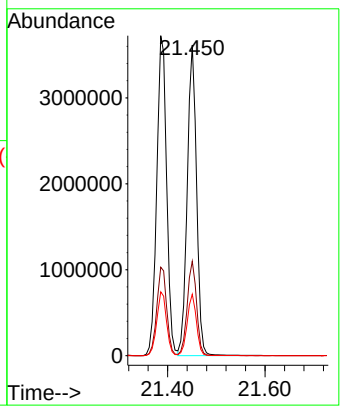


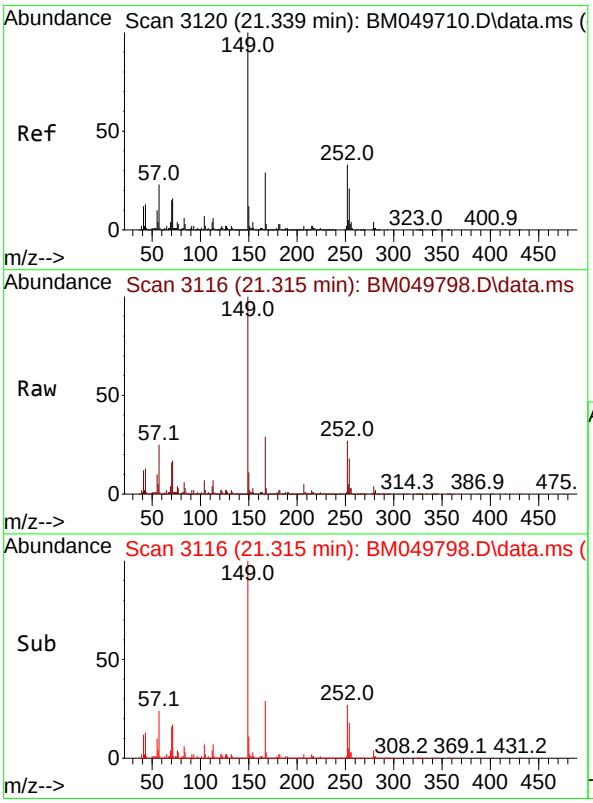
#83
Chrysene
Concen: 52.951 ng
RT: 21.450 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:228 Resp: 4796380

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.5	36.7
229	19.8	15.8	23.6

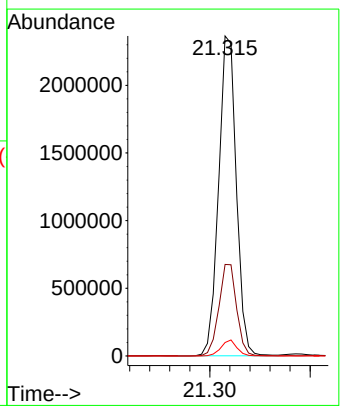


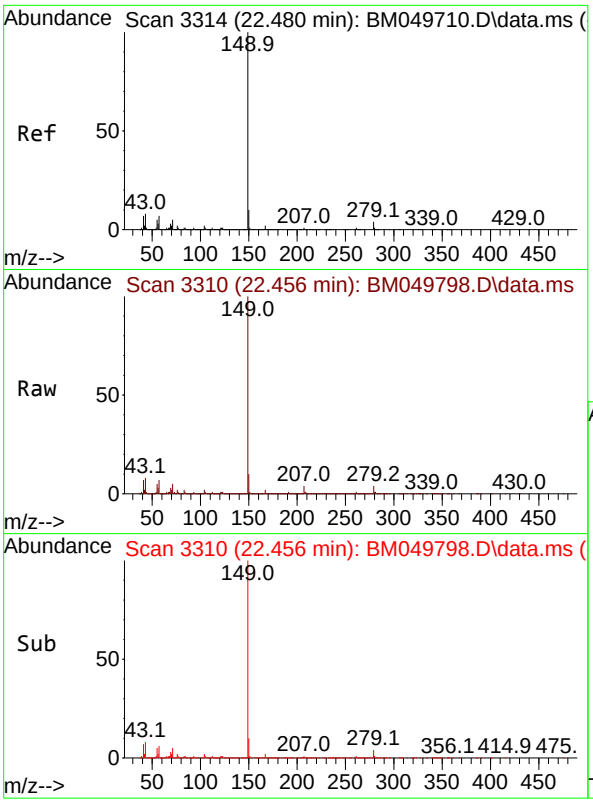


#84
Bis(2-ethylhexyl)phthalate
Concen: 59.773 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.024 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:149 Resp: 2889532

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.9	34.3
279	4.2	3.5	5.3



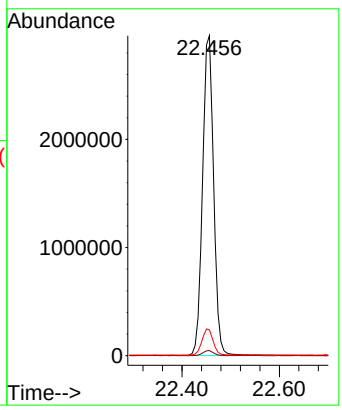


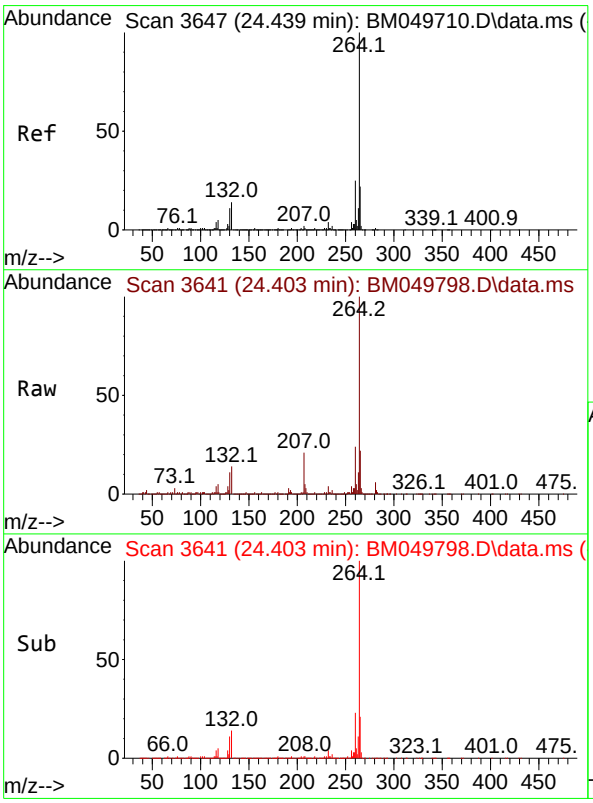
#85
Di-n-octyl phthalate
Concen: 61.837 ng
RT: 22.456 min Scan# 3
Delta R.T. -0.024 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:149 Resp: 4646221

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.2	6.8	10.2

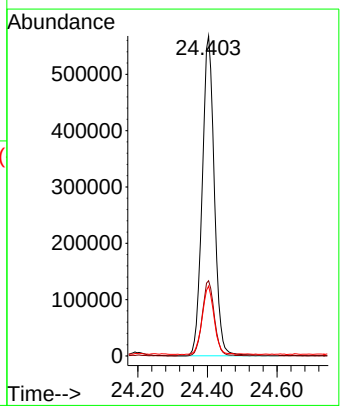


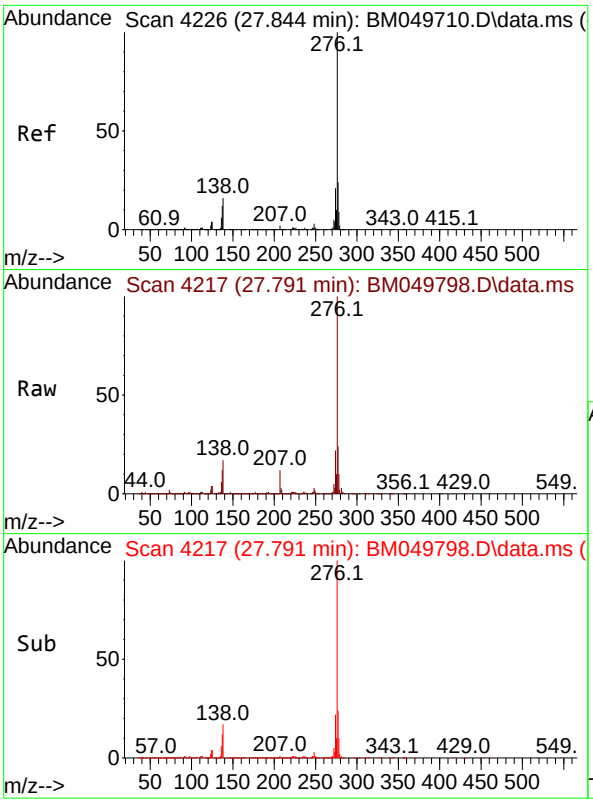


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.036 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:264 Resp: 1371215

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.6	29.4
265	21.9	18.2	27.2



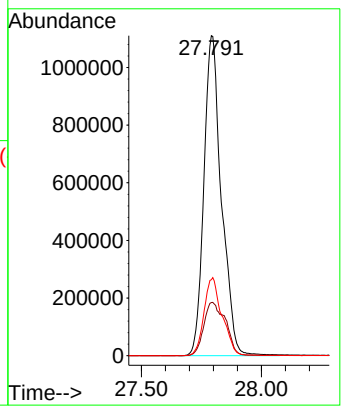


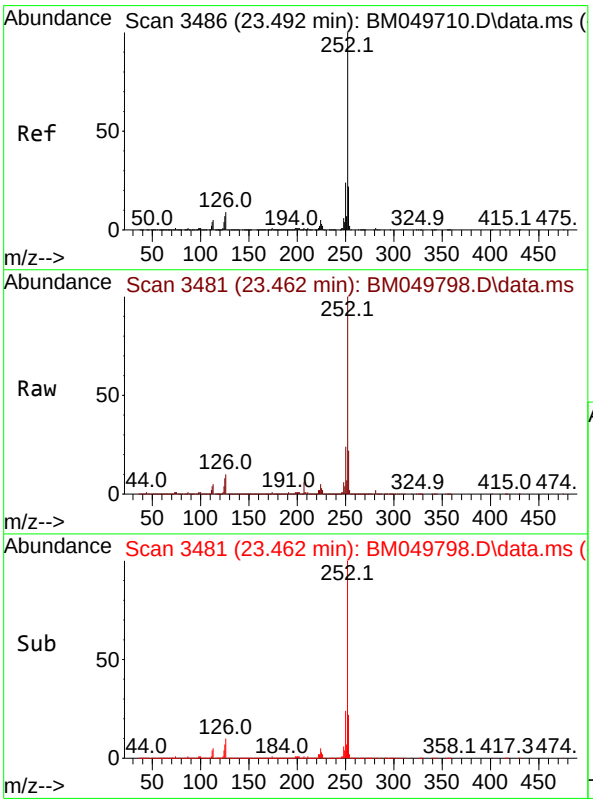
#87
Indeno(1,2,3-cd)pyrene
Concen: 57.282 ng
RT: 27.791 min Scan# 4
Delta R.T. -0.053 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:276 Resp: 5653397

Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.3	24.5
277	25.1	19.9	29.9

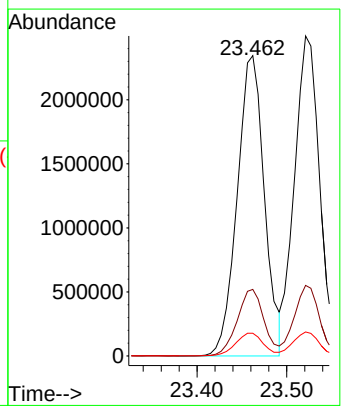


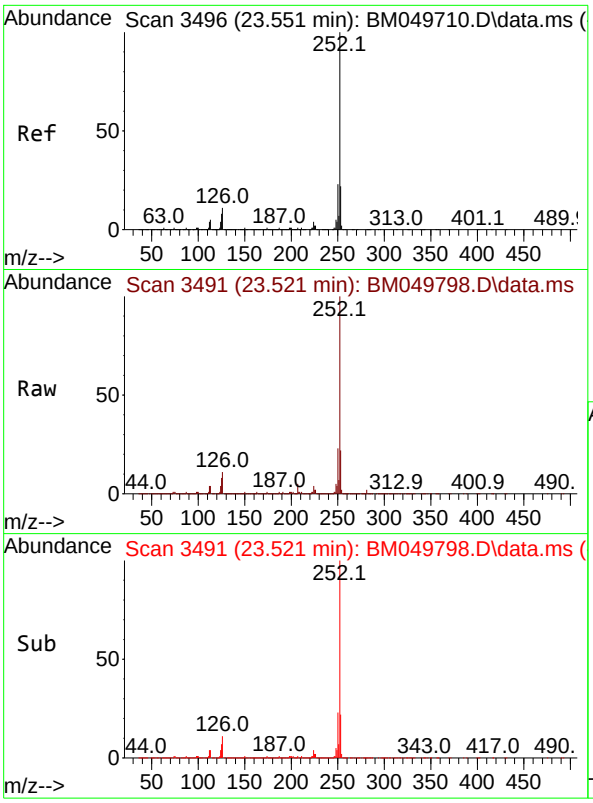


#88
Benzo(b)fluoranthene
Concen: 53.435 ng
RT: 23.462 min Scan# 3481
Delta R.T. -0.030 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:252 Resp: 4935088

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	7.5	5.9	8.9



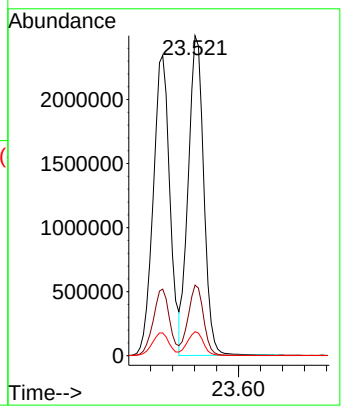


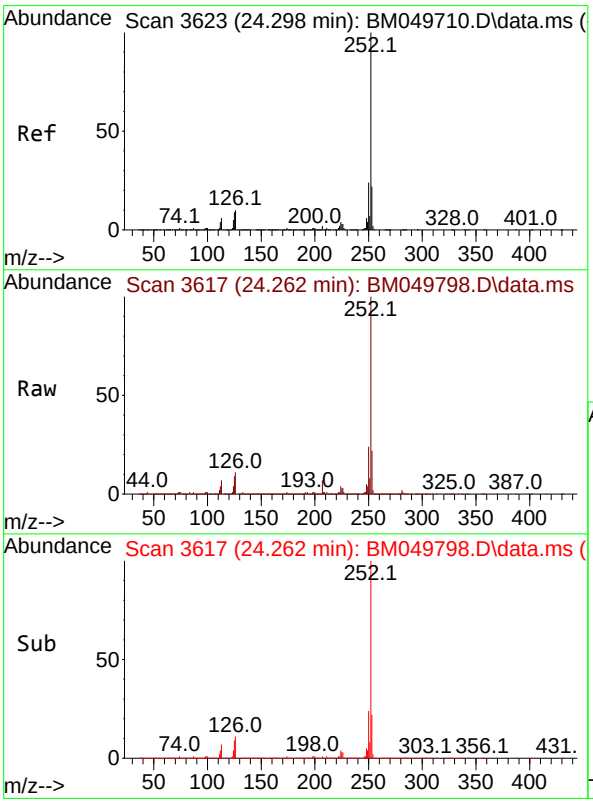
#89
Benzo(k)fluoranthene
Concen: 53.838 ng
RT: 23.521 min Scan# 3
Delta R.T. -0.030 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:252 Resp: 4892618

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	7.5	6.2	9.2

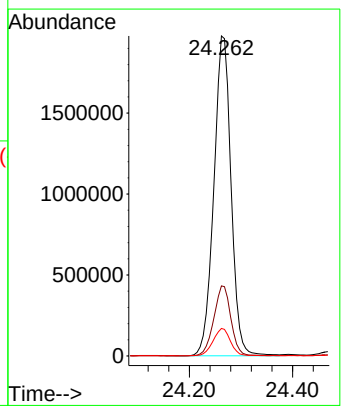


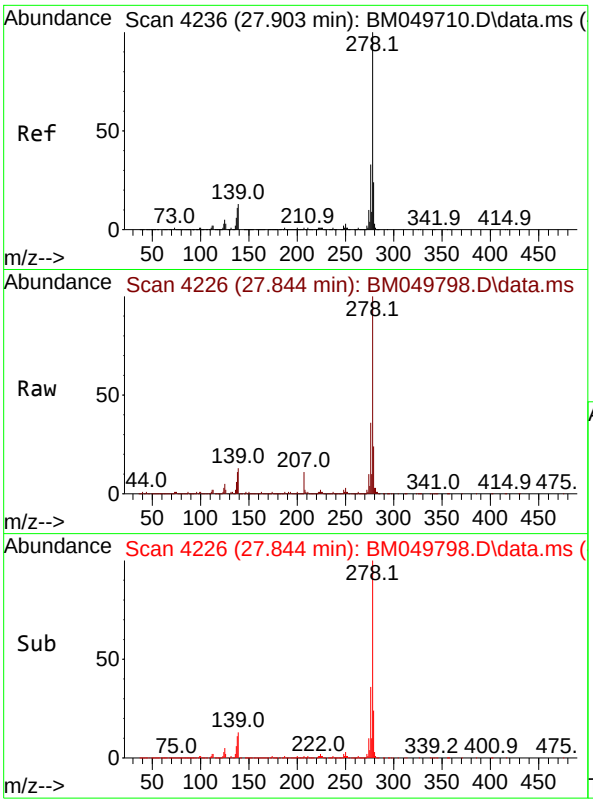


#90
Benzo(a)pyrene
Concen: 58.883 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.036 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:252 Resp: 4567868

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	8.6	7.0	10.6



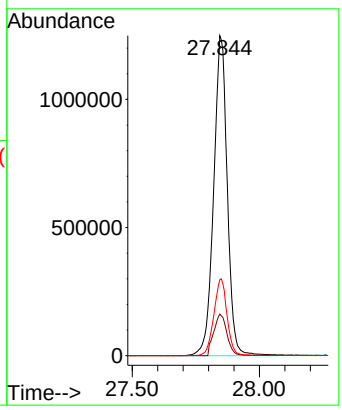


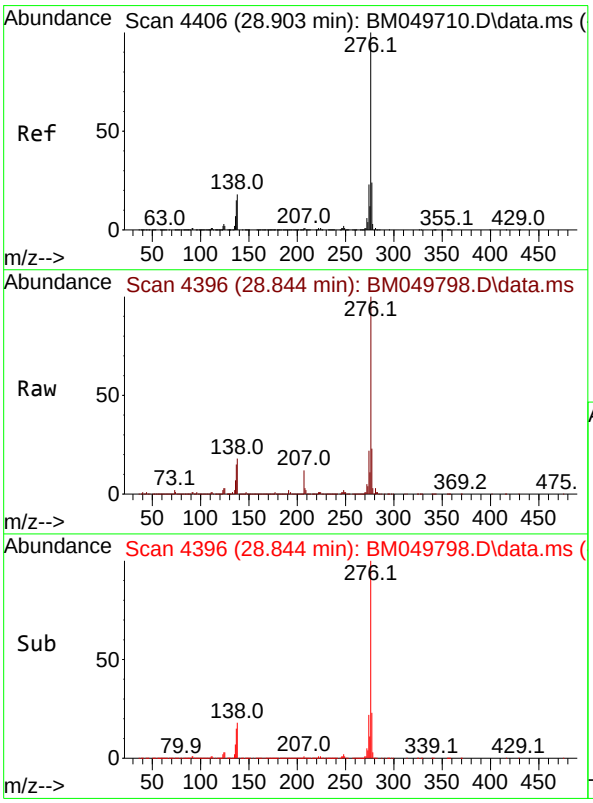
#91
Dibenzo(a,h)anthracene
Concen: 56.582 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.059 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-01MSD

Tgt Ion:278 Resp: 4652577

Ion	Ratio	Lower	Upper
278	100		
139	13.0	10.1	15.1
279	23.8	19.1	28.7

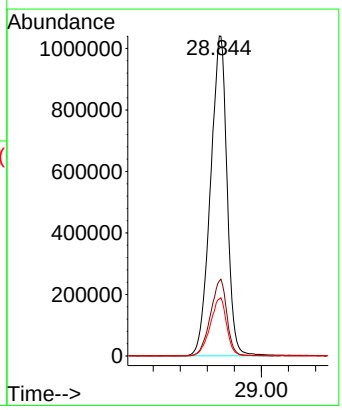




#92
Benzo(g,h,i)perylene
Concen: 53.310 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.059 min
Lab File: BM049798.D
Acq: 02 Apr 2025 19:57

Tgt Ion:276 Resp: 4415458

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	17.8	14.0	21.0



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

Manual Integration Report

Sequence:	BF031025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF141904.D	Caprolactam	anahy	3/11/2025 9:10:54 AM	Jagrut	3/11/2025 10:18:21 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf033125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142175.D	n-Nitrosodimethylamine	anahy	4/1/2025 9:31:39 AM	Jagrut	4/1/2025 3:39:36 PM	Peak Integrated by Software
PB167369BS	BF142177.D	Benzoic acid	anahy	4/1/2025 9:33:04 AM	Jagrut	4/1/2025 3:39:40 PM	Peak Integrated by Software
PB167369BS	BF142177.D	Caprolactam	anahy	4/1/2025 9:33:04 AM	Jagrut	4/1/2025 3:39:40 PM	Peak Integrated by Software
Q1664-09	BF142182.D	Phenanthrene-d10	anahy	4/1/2025 9:50:53 AM	Jagrut	4/1/2025 3:39:53 PM	Peak Integrated by Software
Q1664-11	BF142184.D	Phenanthrene-d10	anahy	4/1/2025 9:54:07 AM	Jagrut	4/1/2025 3:40:01 PM	Peak Integrated by Software
Q1664-13	BF142185.D	Phenanthrene-d10	anahy	4/1/2025 9:56:09 AM	Jagrut	4/1/2025 3:40:04 PM	Peak Integrated by Software
Q1664-17	BF142186.D	Phenanthrene-d10	anahy	4/1/2025 9:57:30 AM	Jagrut	4/1/2025 3:40:07 PM	Peak Integrated by Software
Q1664-21	BF142187.D	Phenanthrene-d10	anahy	4/1/2025 9:58:39 AM	Jagrut	4/1/2025 3:40:09 PM	Peak Integrated by Software
Q1664-01	BF142188.D	Phenanthrene-d10	anahy	4/1/2025 10:33:28 AM	Jagrut	4/1/2025 3:40:12 PM	Peak Integrated by Software
Q1664-15	BF142189.D	Phenanthrene-d10	anahy	4/1/2025 10:34:25 AM	Jagrut	4/1/2025 3:40:14 PM	Peak Integrated by Software
Q1664-19	BF142190.D	Phenanthrene-d10	anahy	4/1/2025 10:35:38 AM	Jagrut	4/1/2025 3:40:16 PM	Peak Integrated by Software
Q1664-07	BF142191.D	Phenanthrene-d10	anahy	4/1/2025 10:40:28 AM	Jagrut	4/1/2025 3:40:19 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf033125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	BM031325	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM049707.D	Acenaphthene	anahy	3/14/2025 4:37:23 PM	Jagrut	3/14/2025 4:41:35 PM	Peak Integrated by Software
SSTDICC010	BM049708.D	Acenaphthene	anahy	3/14/2025 4:38:02 PM	Jagrut	3/14/2025 4:41:38 PM	Peak Integrated by Software
SSTDICC010	BM049708.D	Benzoic acid	anahy	3/14/2025 4:38:02 PM	Jagrut	3/14/2025 4:41:38 PM	Peak Integrated by Software
SSTDICC050	BM049711.D	Pyridine	anahy	3/14/2025 4:38:46 PM	Jagrut	3/14/2025 4:41:41 PM	Peak Integrated by Software
SSTDICC060	BM049712.D	Pyridine	anahy	3/14/2025 4:39:20 PM	Jagrut	3/14/2025 4:41:43 PM	Peak Integrated by Software
SSTDICC080	BM049713.D	Pyridine	anahy	3/14/2025 4:39:55 PM	Jagrut	3/14/2025 4:41:46 PM	Peak Integrated by Software
SSTDICV040	BM049714.D	Pyridine	anahy	3/14/2025 4:40:27 PM	Jagrut	3/14/2025 4:41:48 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bm040225	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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 # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM				
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM				
SubDirectory	BF031025	HP Acquire Method	BNA_F		HP Processing Method	bf031025	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141896.D	10 Mar 2025 10:31	RC/JU	Ok
2	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01	RC/JU	Ok
3	SSTDICC005	BF141898.D	10 Mar 2025 11:30	RC/JU	Ok
4	SSTDICC010	BF141899.D	10 Mar 2025 12:00	RC/JU	Ok
5	SSTDICC020	BF141900.D	10 Mar 2025 12:29	RC/JU	Ok
6	SSTDICCC040	BF141901.D	10 Mar 2025 12:58	RC/JU	Ok
7	SSTDICC050	BF141902.D	10 Mar 2025 13:28	RC/JU	Not Ok
8	SSTDICC060	BF141903.D	10 Mar 2025 13:57	RC/JU	Ok
9	SSTDICC080	BF141904.D	10 Mar 2025 14:27	RC/JU	Ok,M
10	SSTDICC050	BF141905.D	10 Mar 2025 15:20	RC/JU	Ok
11	SSTDICV040	BF141906.D	10 Mar 2025 15:53	RC/JU	Ok
12	PB167012BL	BF141907.D	10 Mar 2025 17:09	RC/JU	Ok
13	SP6752	BF141908.D	10 Mar 2025 17:39	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 # BF033125

Review By	anahy	Review On	4/1/2025 11:09:34 AM		
Supervise By	Jagrut	Supervise On	4/1/2025 3:40:46 PM		
SubDirectory	BF033125	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12656,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142174.D	31 Mar 2025 11:53	RC/JU	Ok
2	SSTDCCC040	BF142175.D	31 Mar 2025 12:22	RC/JU	Ok,M
3	PB167369BL	BF142176.D	31 Mar 2025 12:52	RC/JU	Ok
4	PB167369BS	BF142177.D	31 Mar 2025 13:22	RC/JU	Ok,M
5	PB167233TB	BF142178.D	31 Mar 2025 13:51	RC/JU	Ok,M
6	Q1657-01DL	BF142179.D	31 Mar 2025 14:29	RC/JU	Ok,M
7	Q1650-01DL	BF142180.D	31 Mar 2025 14:59	RC/JU	Not Ok
8	Q1654-01DL	BF142181.D	31 Mar 2025 15:28	RC/JU	Not Ok
9	Q1664-09	BF142182.D	31 Mar 2025 15:58	RC/JU	ReRun
10	Q1654-01DL2	BF142183.D	31 Mar 2025 16:28	RC/JU	Not Ok
11	Q1664-11	BF142184.D	31 Mar 2025 16:58	RC/JU	Ok,M
12	Q1664-13	BF142185.D	31 Mar 2025 17:27	RC/JU	Ok,M
13	Q1664-17	BF142186.D	31 Mar 2025 17:57	RC/JU	ReRun
14	Q1664-21	BF142187.D	31 Mar 2025 18:27	RC/JU	Ok,M
15	Q1664-01	BF142188.D	31 Mar 2025 18:57	RC/JU	Ok,M
16	Q1664-15	BF142189.D	31 Mar 2025 19:26	RC/JU	ReRun
17	Q1664-19	BF142190.D	31 Mar 2025 19:56	RC/JU	Ok,M
18	Q1664-07	BF142191.D	31 Mar 2025 20:26	RC/JU	ReRun
19	Q1664-02MS	BF142192.D	31 Mar 2025 20:55	RC/JU	Not Ok
20	Q1664-03MSD	BF142193.D	31 Mar 2025 21:26	RC/JU	Not Ok
21	Q1671-01	BF142194.D	31 Mar 2025 21:55	RC/JU	ReRun

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 # BF033125

Review By	anahy	Review On	4/1/2025 11:09:34 AM				
Supervise By	Jagrut	Supervise On	4/1/2025 3:40:46 PM				
SubDirectory	BF033125	HP Acquire Method	BNA_F		HP Processing Method	bf031025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12656,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1674-01	BF142195.D	31 Mar 2025 22:25	RC/JU	ReRun
23	Q1671-04	BF142196.D	31 Mar 2025 22:55	RC/JU	ReRun
24	Q1674-03	BF142197.D	31 Mar 2025 23:25	RC/JU	ReRun

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 # BM031325

Review By	anahy	Review On	3/14/2025 4:40:45 PM		
Supervise By	Jagrut	Supervise On	3/14/2025 4:41:58 PM		
SubDirectory	BM031325	HP Acquire Method	BNA_M	HP Processing Method	bm031325

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12655,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049705.D	13 Mar 2025 08:24	RC/JU	Ok
2	SSTDICC2.5	BM049706.D	13 Mar 2025 09:02	RC/JU	Ok
3	SSTDICC005	BM049707.D	13 Mar 2025 09:42	RC/JU	Ok,M
4	SSTDICC010	BM049708.D	13 Mar 2025 10:21	RC/JU	Ok,M
5	SSTDICC020	BM049709.D	13 Mar 2025 11:00	RC/JU	Ok
6	SSTDICCC040	BM049710.D	13 Mar 2025 11:39	RC/JU	Ok
7	SSTDICC050	BM049711.D	13 Mar 2025 12:19	RC/JU	Ok,M
8	SSTDICC060	BM049712.D	13 Mar 2025 12:58	RC/JU	Ok,M
9	SSTDICC080	BM049713.D	13 Mar 2025 13:37	RC/JU	Ok,M
10	SSTDICV040	BM049714.D	13 Mar 2025 14:41	RC/JU	Ok,M
11	PB167097BL	BM049715.D	13 Mar 2025 15:20	RC/JU	Ok
12	Q1502-22	BM049716.D	13 Mar 2025 16:00	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_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040225

Review By	anahy	Review On	4/3/2025 11:57:14 AM		
Supervise By	Jagrut	Supervise On	4/3/2025 4:20:55 PM		
SubDirectory	BM040225	HP Acquire Method	BNA_M	HP Processing Method	bm031325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049783.D	02 Apr 2025 09:29	RC/JU	Ok
2	SSTDCCC040	BM049784.D	02 Apr 2025 10:46	RC/JU	Ok
3	PB167406BL	BM049785.D	02 Apr 2025 11:25	RC/JU	Not Ok
4	PB167406BS	BM049786.D	02 Apr 2025 12:04	RC/JU	Ok,M
5	Q1679-01	BM049787.D	02 Apr 2025 12:49	RC/JU	Ok
6	Q1679-05	BM049788.D	02 Apr 2025 13:28	RC/JU	Ok,M
7	Q1680-01	BM049789.D	02 Apr 2025 14:07	RC/JU	Ok
8	Q1680-01MS	BM049790.D	02 Apr 2025 14:46	RC/JU	Ok,M
9	Q1680-01MSD	BM049791.D	02 Apr 2025 15:25	RC/JU	Ok,M
10	Q1681-01	BM049792.D	02 Apr 2025 16:04	RC/JU	Ok
11	Q1664-09RE	BM049793.D	02 Apr 2025 16:43	RC/JU	Confirms
12	Q1664-17RE	BM049794.D	02 Apr 2025 17:22	RC/JU	Confirms
13	Q1664-15RE	BM049795.D	02 Apr 2025 18:00	RC/JU	Confirms
14	Q1664-07RE	BM049796.D	02 Apr 2025 18:39	RC/JU	Confirms
15	Q1664-02MS	BM049797.D	02 Apr 2025 19:18	RC/JU	Ok
16	Q1664-03MSD	BM049798.D	02 Apr 2025 19:57	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 # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM		
SubDirectory	BF031025	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141896.D	10 Mar 2025 10:31		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141898.D	10 Mar 2025 11:30	Compound#9,32,54,65 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141899.D	10 Mar 2025 12:00		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF141900.D	10 Mar 2025 12:29	Compound #54 Kept on LR, Method is good for DOD . Method failed for compound #77.	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF141901.D	10 Mar 2025 12:58		RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141902.D	10 Mar 2025 13:28	Not used	RC/JU	Not Ok
8	SSTDICC060	SSTDICC060	BF141903.D	10 Mar 2025 13:57	Compound#69 Removed from 60 ppm	RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141904.D	10 Mar 2025 14:27	Compound#9,69 Removed from 80 ppm	RC/JU	Ok,M
10	SSTDICC050	SSTDICC050	BF141905.D	10 Mar 2025 15:20		RC/JU	Ok
11	SSTDICV040	ICVBF031025	BF141906.D	10 Mar 2025 15:53		RC/JU	Ok
12	PB167012BL	PB167012BL	BF141907.D	10 Mar 2025 17:09		RC/JU	Ok
13	SP6752	SP6752	BF141908.D	10 Mar 2025 17:39	8270 SPIKE-SP6752	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 # BF033125

Review By	anahy	Review On	4/1/2025 11:09:34 AM		
Supervise By	Jagrut	Supervise On	4/1/2025 3:40:46 PM		
SubDirectory	BF033125	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12656,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142174.D	31 Mar 2025 11:53		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142175.D	31 Mar 2025 12:22		RC/JU	Ok,M
3	PB167369BL	PB167369BL	BF142176.D	31 Mar 2025 12:52		RC/JU	Ok
4	PB167369BS	PB167369BS	BF142177.D	31 Mar 2025 13:22		RC/JU	Ok,M
5	PB167233TB	PB167233TB	BF142178.D	31 Mar 2025 13:51		RC/JU	Ok,M
6	Q1657-01DL	72-11998DL	BF142179.D	31 Mar 2025 14:29		RC/JU	Ok,M
7	Q1650-01DL	STOCK-PILE-BIN2DL	BF142180.D	31 Mar 2025 14:59	Internal Standard Fail	RC/JU	Not Ok
8	Q1654-01DL	RT3407DL	BF142181.D	31 Mar 2025 15:28	Internal Standard Fail, Need 10X further Dilution	RC/JU	Not Ok
9	Q1664-09	P001-BBDGA-002-01	BF142182.D	31 Mar 2025 15:58	Internal Standard Fail	RC/JU	ReRun
10	Q1654-01DL2	RT3407DL2	BF142183.D	31 Mar 2025 16:28	Internal Standard Fail	RC/JU	Not Ok
11	Q1664-11	P001-BBDGA-003-01	BF142184.D	31 Mar 2025 16:58		RC/JU	Ok,M
12	Q1664-13	P001-BBDGA-004-01	BF142185.D	31 Mar 2025 17:27		RC/JU	Ok,M
13	Q1664-17	P001-BBDGA-006-01	BF142186.D	31 Mar 2025 17:57	Internal Standard Fail	RC/JU	ReRun
14	Q1664-21	P001-BBDGA-008-01	BF142187.D	31 Mar 2025 18:27		RC/JU	Ok,M
15	Q1664-01	P001-BBDGA-001-01	BF142188.D	31 Mar 2025 18:57		RC/JU	Ok,M
16	Q1664-15	P001-BBDGA-005-01	BF142189.D	31 Mar 2025 19:26	Internal Standard Fail	RC/JU	ReRun
17	Q1664-19	P001-BBDGA-007-01	BF142190.D	31 Mar 2025 19:56		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 # BF033125

Review By	anahy	Review On	4/1/2025 11:09:34 AM		
Supervise By	Jagrut	Supervise On	4/1/2025 3:40:46 PM		
SubDirectory	BF033125	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12656,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1664-07	P001-BBDGA-001-02	BF142191.D	31 Mar 2025 20:26	Internal Standard Fail	RC/JU	ReRun
19	Q1664-02MS	P001-BBDGA-001-01M	BF142192.D	31 Mar 2025 20:55	Internal Standard Fail	RC/JU	Not Ok
20	Q1664-03MSD	P001-BBDGA-001-01M	BF142193.D	31 Mar 2025 21:26	Internal Standard Fail	RC/JU	Not Ok
21	Q1671-01	WC-1	BF142194.D	31 Mar 2025 21:55	Internal Standard Fail	RC/JU	ReRun
22	Q1674-01	RT5358	BF142195.D	31 Mar 2025 22:25	Internal Standard Fail	RC/JU	ReRun
23	Q1671-04	WC-1	BF142196.D	31 Mar 2025 22:55	Internal Standard Fail	RC/JU	ReRun
24	Q1674-03	72-11991	BF142197.D	31 Mar 2025 23:25	Internal Standard Fail	RC/JU	ReRun

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 # BM031325

Review By	anahy	Review On	3/14/2025 4:40:45 PM		
Supervise By	Jagrut	Supervise On	3/14/2025 4:41:58 PM		
SubDirectory	BM031325	HP Acquire Method	BNA_M	HP Processing Method	bm031325

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12655,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049705.D	13 Mar 2025 08:24		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM049706.D	13 Mar 2025 09:02		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM049707.D	13 Mar 2025 09:42	Compound#9,32,54,56,65,70,77, 82,85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM049708.D	13 Mar 2025 10:21		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM049709.D	13 Mar 2025 11:00		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BM049710.D	13 Mar 2025 11:39	Compound#62 Kept on LR & 54,65 Kept on QR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM049711.D	13 Mar 2025 12:19		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BM049712.D	13 Mar 2025 12:58	Compound#69 removed from 60 ppm	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM049713.D	13 Mar 2025 13:37	Compound#9,42,69 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBM031325	BM049714.D	13 Mar 2025 14:41		RC/JU	Ok,M
11	PB167097BL	PB167097BL	BM049715.D	13 Mar 2025 15:20	Use for DOD Projects only	RC/JU	Ok
12	Q1502-22	RR-TRIAZINE-WP	BM049716.D	13 Mar 2025 16:00	PT Sample - Already analyzed.	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_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040225

Review By	anahy	Review On	4/3/2025 11:57:14 AM		
Supervise By	Jagrut	Supervise On	4/3/2025 4:20:55 PM		
SubDirectory	BM040225	HP Acquire Method	BNA_M	HP Processing Method	bm031325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049783.D	02 Apr 2025 09:29		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM049784.D	02 Apr 2025 10:46		RC/JU	Ok
3	PB167406BL	PB167406BL	BM049785.D	02 Apr 2025 11:25	Surrogate fail	RC/JU	Not Ok
4	PB167406BS	PB167406BS	BM049786.D	02 Apr 2025 12:04		RC/JU	Ok,M
5	Q1679-01	TP-10	BM049787.D	02 Apr 2025 12:49		RC/JU	Ok
6	Q1679-05	TP-9	BM049788.D	02 Apr 2025 13:28		RC/JU	Ok,M
7	Q1680-01	TP-4	BM049789.D	02 Apr 2025 14:07		RC/JU	Ok
8	Q1680-01MS	TP-4MS	BM049790.D	02 Apr 2025 14:46		RC/JU	Ok,M
9	Q1680-01MSD	TP-4MSD	BM049791.D	02 Apr 2025 15:25		RC/JU	Ok,M
10	Q1681-01	TP-12	BM049792.D	02 Apr 2025 16:04		RC/JU	Ok
11	Q1664-09RE	P001-BBDGA-002-01R	BM049793.D	02 Apr 2025 16:43	Fax is already given	RC/JU	Confirms
12	Q1664-17RE	P001-BBDGA-006-01R	BM049794.D	02 Apr 2025 17:22	Fax is already given	RC/JU	Confirms
13	Q1664-15RE	P001-BBDGA-005-01R	BM049795.D	02 Apr 2025 18:00	Fax is already given	RC/JU	Confirms
14	Q1664-07RE	P001-BBDGA-001-02R	BM049796.D	02 Apr 2025 18:39	Fax is already given	RC/JU	Confirms
15	Q1664-02MS	P001-BBDGA-001-01M	BM049797.D	02 Apr 2025 19:18		RC/JU	Ok
16	Q1664-03MSD	P001-BBDGA-001-01M	BM049798.D	02 Apr 2025 19:57		RC/JU	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 03/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 03/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135218

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
Q1664-01	P001-BBDGA-001-01	1	1.15	11.21	12.36	11.44	91.8	
Q1664-02	Q1664-01MS	2	1.15	11.21	12.36	11.44	91.8	
Q1664-03	Q1664-01MSD	3	1.15	11.21	12.36	11.44	91.8	
Q1664-07	P001-BBDGA-001-02	4	1.15	10.16	11.31	10.5	92.0	
Q1664-09	P001-BBDGA-002-01	5	1.16	10.35	11.51	10.84	93.5	
Q1664-11	P001-BBDGA-003-01	6	1.18	10.46	11.64	11.08	94.6	
Q1664-13	P001-BBDGA-004-01	7	1.13	10.13	11.26	10.79	95.4	
Q1664-15	P001-BBDGA-005-01	8	1.19	10.75	11.94	11.05	91.7	
Q1664-17	P001-BBDGA-006-01	9	1.19	10.99	12.18	11.51	93.9	
Q1664-19	P001-BBDGA-007-01	10	1.18	10.24	11.42	10.68	92.8	
Q1664-21	P001-BBDGA-008-01	11	1.14	11.34	12.48	11.8	94.0	
Q1671-01	WC-1	12	1.15	10.43	11.58	9.86	83.5	
Q1671-02	WC-1-EPH	13	1.16	10.32	11.48	10.02	85.9	
Q1671-03	WC-1-VOC	14	1.18	10.53	11.71	10.12	84.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

Q1664-SVOC-TCL BNA -20

WORKLIST(Hardcopy Internal Chain)

VB 135218

WorkList Name : %1-032725 **WorkList ID :** 188585 **Department :** Wet-Chemistry **Date :** 03-27-2025 08:23:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1664-01	P001-BBDGA-001-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-02	Q1664-01MS	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-03	Q1664-01MSD	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-07	P001-BBDGA-001-02	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-09	P001-BBDGA-002-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-11	P001-BBDGA-003-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-13	P001-BBDGA-004-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-15	P001-BBDGA-005-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-17	P001-BBDGA-006-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-19	P001-BBDGA-007-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1664-21	P001-BBDGA-008-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	I31	03/26/2025	Chemtech -SO
Q1671-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/27/2025	Chemtech -SO
Q1671-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/27/2025	Chemtech -SO
Q1671-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	I31	03/27/2025	Chemtech -SO

1406 of 1609

Date/Time 03/27/25 15:25

Raw Sample Received by: JB WOC1

Raw Sample Relinquished by: [signature]

Date/Time 03/27/25 17:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: JB WOC1

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167369

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	03/28/2025
Matrix :	Solid			**Extraction Start Time :**	09:40
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	03/28/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	15:00
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 Funnel ☐ 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	SP6752
Surrogate	1.0ML	100/150 PPM	SP6754
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	EP2591
Baked Na2SO4	N/A	EP2595
Sand	N/A	EP2865
Methylene Chloride	N/A	E3904
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673. Q1597-08,09,10 Added in batch at 12:16.

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
03/28/25	RP (Ext '203)	AC/SVOC
15:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167369

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/28/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167369BL	SBLK369	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U2-1
PB167369BS	SLCS369	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q1597-08	1-CONCRETE-SLAB	SVOC-PAH	50.02	N/A	ritesh	Evelyn	1	A	Concrete	3
Q1597-09	2-CONCRETE-SLAB	SVOC-PAH	50.04	N/A	ritesh	Evelyn	1	C	Concrete	4
Q1597-10	3-CONCRETE-SLAB	SVOC-PAH	50.04	N/A	ritesh	Evelyn	1	D	Concrete	5
Q1664-01	P001-BBDGA-001-01	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	G		6
Q1664-02	Q1664-01MS	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	G		U6-1
Q1664-03	Q1664-01MSD	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	G		2
Q1664-07	P001-BBDGA-001-02	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	G		3
Q1664-09	P001-BBDGA-002-01	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	G		U3-1
Q1664-11	P001-BBDGA-003-01	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	G		2
Q1664-13	P001-BBDGA-004-01	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	G		3
Q1664-15	P001-BBDGA-005-01	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	G		4
Q1664-17	P001-BBDGA-006-01	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	G		5
Q1664-19	P001-BBDGA-007-01	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	G		6
Q1664-21	P001-BBDGA-008-01	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	G		U6-1
Q1671-01	WC-1	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		2

*** Extracts relinquished on the same date as received.**

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1597S **WorkList ID :** 188622 **Department :** Extraction **Date :** 03-28-2025 12:16:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1597-08	1-CONCRETE-SLAB	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	I41	03/18/2025	8270E
Q1597-09	2-CONCRETE-SLAB	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	I41	03/18/2025	8270E
Q1597-10	3-CONCRETE-SLAB	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	I41	03/18/2025	8270E

Date/Time 03/28/25 12:16

Raw Sample Received by: RJ (Set Lock)

Raw Sample Relinquished by: RM SM

Date/Time 03/28/25 12:25

Raw Sample Received by: RM SM

Raw Sample Relinquished by: RJ (Set Lock)

Q1664-SVOC-TCL BNA -20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q14664S **WorkList ID :** 188605 **Department :** Extraction **Date :** 03-28-2025 08:09:48

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1664-01	P001-BBDGA-001-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	I31	03/26/2025	8270E
Q1664-02	Q1664-01MS	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	I31	03/26/2025	8270E
Q1664-03	Q1664-01MSD	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	I31	03/26/2025	8270E
Q1664-07	P001-BBDGA-001-02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	I31	03/26/2025	8270E
Q1664-09	P001-BBDGA-002-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	I31	03/26/2025	8270E
Q1664-11	P001-BBDGA-003-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	I31	03/26/2025	8270E
Q1664-13	P001-BBDGA-004-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	I31	03/26/2025	8270E
Q1664-14	P001-BBDGA-004-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	I31	03/26/2025	8270E
Q1664-15	P001-BBDGA-005-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	I31	03/26/2025	8270E
Q1664-17	P001-BBDGA-006-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	I31	03/26/2025	8270E
Q1664-19	P001-BBDGA-007-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	I31	03/26/2025	8270E
Q1664-21	P001-BBDGA-008-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	I31	03/26/2025	8270E
Q1671-01	WC-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I31	03/27/2025	8270E

1410 of 1609

Date/Time 03/28/25 9:35
Raw Sample Received by: RJ (Ecl Lab)
Raw Sample Relinquished by: JD CSM

Date/Time 03/28/25 10:00
Raw Sample Received by: JD CSM
Raw Sample Relinquished by: RJ (Ecl Lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q1664

Test : SVOC-TCL BNA -20

Prepbatch ID : PB167369,PB167371,

Sequence ID/Qc Batch ID: bf033125,BG040225,BM040125,BM040225,

Standard ID :
EP2591,EP2595,EP2865,SP6685,SP6686,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,SP6752,SP6754,SP6757,

Chemical ID :
10ul/1000ul sample,E3551,E3828,E3874,E3876,E3878,E3902,E3904,S10104,S10397,S10584,S11074,S11087,S11143,S11161,S11487,S11495,S11650,S11785,S11786,S11787,S11788,S12114,S12142,S12189,S12190,S12191,S12192,S12193,S12194,S12195,S12208,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12270,S12276,S12327,S12469,S12478,S12479,S12480,S12481,S12482,S12483,S12484,S12485,S12486,S12517,S12525,S12526,S12527,S12528,S12529,S12530,S12531,S12532,S12533,S12577,S12649,S12656,S12657,S12791,S12966,S12967,S12968,S12969,S12970,S12971,S12972,S12973,S12974,

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
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2591	02/26/2025	08/14/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 02/26/2025

FROM 8000.00000ml of E3876 + 8000.00000ml of E3878 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2595	03/17/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 03/17/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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

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)	SP6685	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.04000ml of S12189 + 0.08000ml of S12208 + 0.10000ml of S11074 + 0.20000ml of S12142 + 0.20000ml of S12469 + 0.20000ml of S12517 + 1.18000ml of E3828 = 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	SP6686	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6685 = 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
3764	8270/625 Stock solution 100 ng	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = 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
412	60 ng BNA ICC, 60 PPM	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = 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
410	40 ng BNA ICC, 40 PPM	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = 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
408	10 ng BNA ICC, 10 PPM	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = 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
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6752	03/10/2025	05/31/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 0.10000ml of S12478 + 0.30000ml of S12525 + 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12533 + 0.40000ml of S12974 + 0.60000ml of S12486 + 0.80000ml of S12966 + 1.10000ml of S11788 + 1.20000ml of S11785 + 1.20000ml of S12483 + 1.20000ml of S12526 + 1.20000ml of S12967 + 1.20000ml of S12968 + 1.20000ml of S12970 + 1.20000ml of S12972 + 1.30000ml of S11786 + 1.30000ml of S12481 + 1.30000ml of S12482 + 1.30000ml of S12484 + 1.30000ml of S12528 + 1.30000ml of S12529 + 1.30000ml of S12531 + 1.30000ml of S12969 + 1.30000ml of S12973 + 1.40000ml of S11787 + 1.40000ml of S12479 + 1.40000ml of S12480 + 1.40000ml of S12485 + 1.40000ml of S12527 + 1.40000ml of S12530 + 1.40000ml of S12532 + 1.40000ml of S12971 + 163.00000ml of E3876 = Final Quantity: 200.000 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	SP6754	03/18/2025	09/18/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 1930.00000ml of E3902 + 2.60000ml of S12216 + 2.70000ml of S12195 + 5.20000ml of S12210 + 5.30000ml of S12192 + 5.30000ml of S12194 + 5.30000ml of S12209 + 5.30000ml of S12211 + 5.30000ml of S12212 + 5.30000ml of S12213 + 5.40000ml of S12190 + 5.40000ml of S12214 + 5.60000ml of S12191 + 5.60000ml of S12215 + 5.70000ml of S12193 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	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-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	08/14/2025	02/14/2025 / Rajesh	12/27/2024 / Rajesh	E3878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	09/18/2025	03/18/2025 / RUPESH	02/12/2025 / RUPESH	E3902

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)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	05/31/2025	01/29/2025 / anahy	05/18/2022 / Christian	S10397

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	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	05/15/2025	11/15/2024 / Jagrut	02/06/2023 / Christian	S11074

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	07/30/2025	01/30/2025 / anahy	02/07/2023 / Christian	S11087

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	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

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	06/21/2025	01/30/2025 / anahy	03/06/2023 / Christian	S11161

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]	A0200549	08/31/2026	01/29/2025 / anahy	08/10/2023 / yogesh	S11487

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	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

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	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11785

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	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11787

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	05/12/2025	11/12/2024 / Jagrut	03/08/2024 / Rahul	S12114

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	11/14/2024 / anahy	03/15/2024 / Rahul	S12142

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

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	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12190

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12191

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12192

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12193

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12194

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

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	A0206381	05/15/2025	11/15/2024 / Jagrut	03/15/2024 / Rahul	S12208

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12209

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12210

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12211

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12212

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12213

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	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12215

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	07/30/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12270

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	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	05/12/2025	11/12/2024 / anahy	05/30/2024 / Rahul	S12327

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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12469

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12478

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12479

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12480

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12481

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12482

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12483

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12484

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12485

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12517

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12525

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]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12526

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12527

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12528

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12529

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12530

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12531

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]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12532

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12533

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	09/25/2025	03/25/2025 / anahy	09/20/2024 / anahy	S12656

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	10/01/2025	04/01/2025 / anahy	09/20/2024 / anahy	S12657

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	06/21/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12966

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12967

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12968

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12969

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12970

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]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

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 **Page 1 of 1**

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.

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 on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

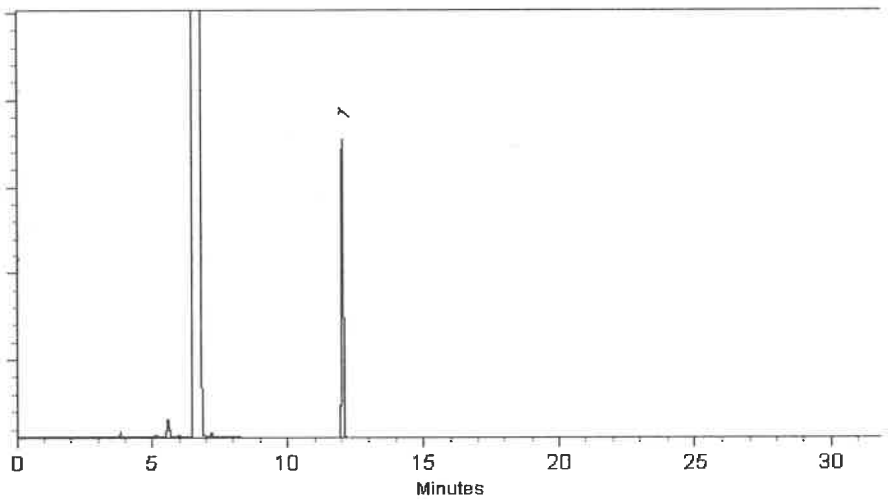
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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

tes:

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

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RP on 7/24/23 E3551

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3878

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3902

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

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. : 555870 **Lot No.:** A0200549

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 : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

S11484 ↓ S11493 Y.P. 08/10/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **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 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.

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. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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.)

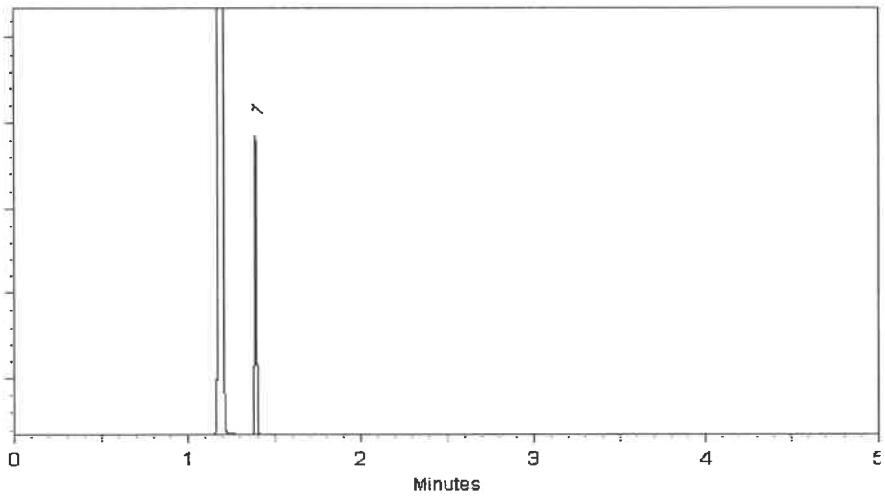
Inj. Temp:
250°C

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.)

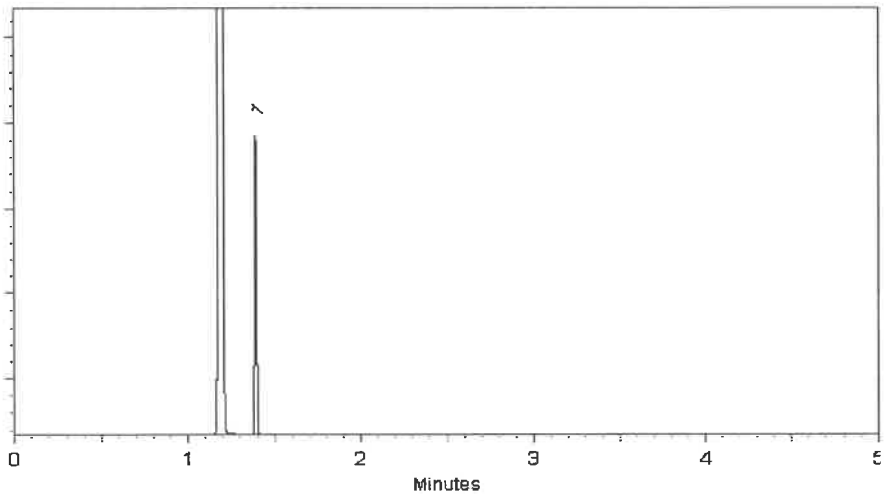
Inj. Temp:
250°C

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.)

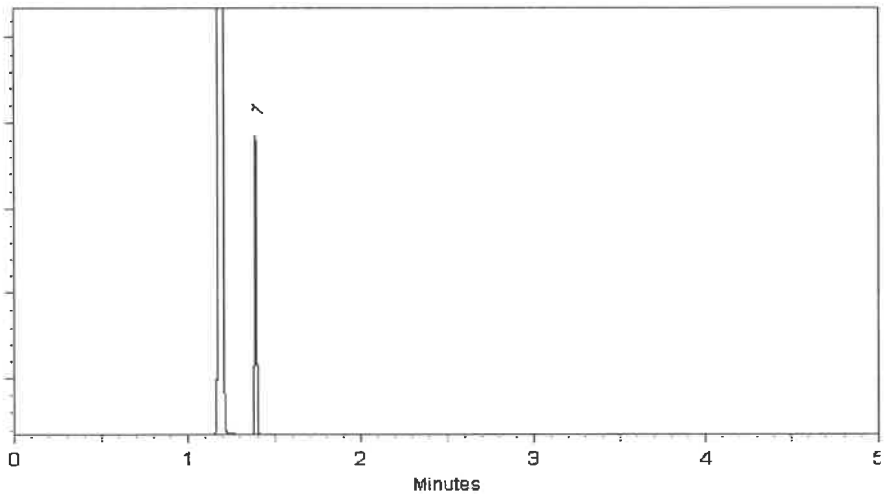
Inj. Temp:
250°C

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.)

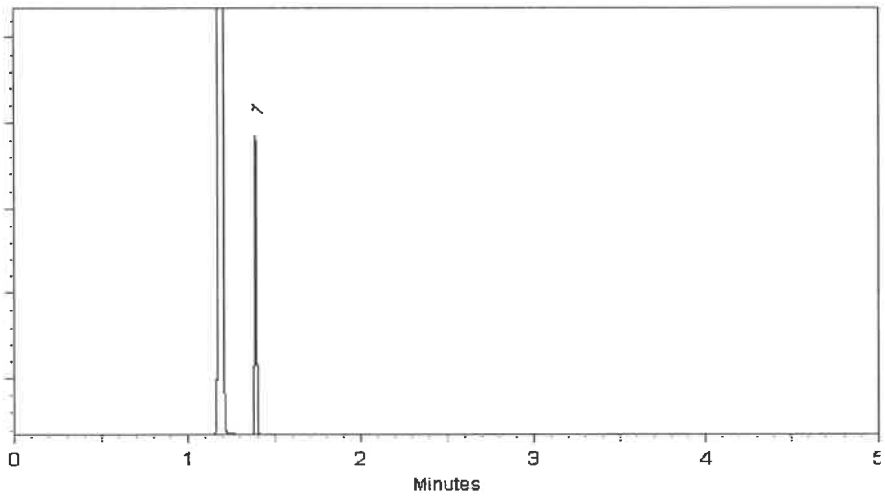
Inj. Temp:
250°C

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.

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

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

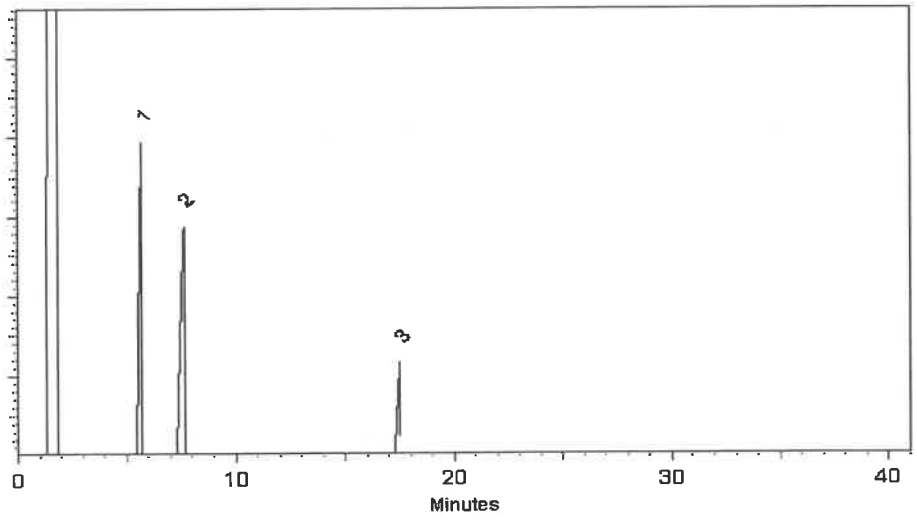
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

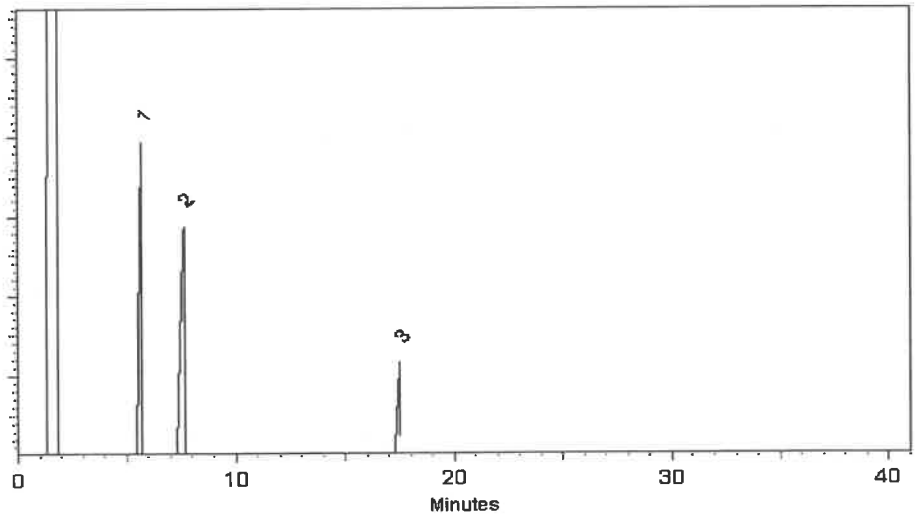
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

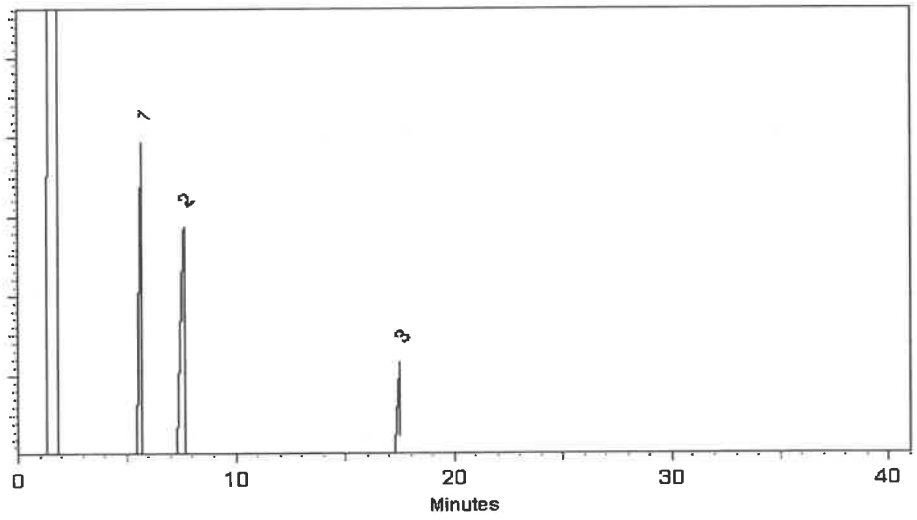
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

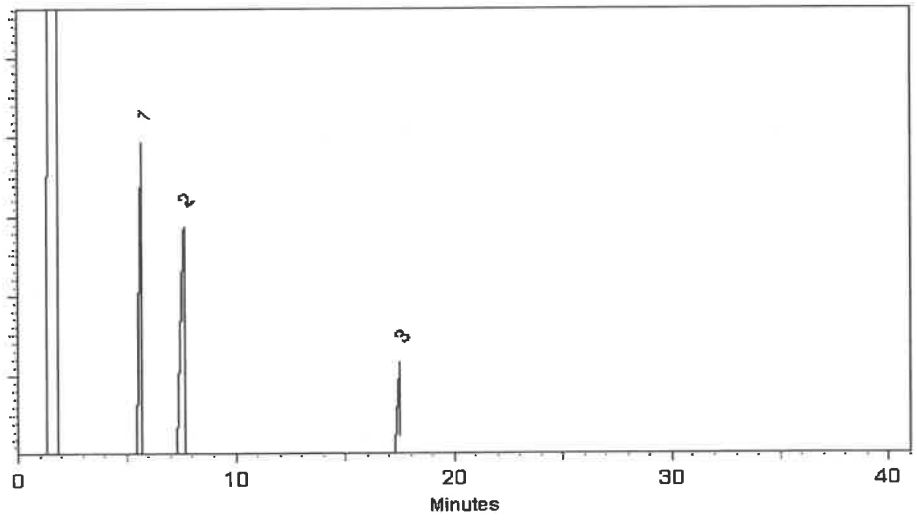
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

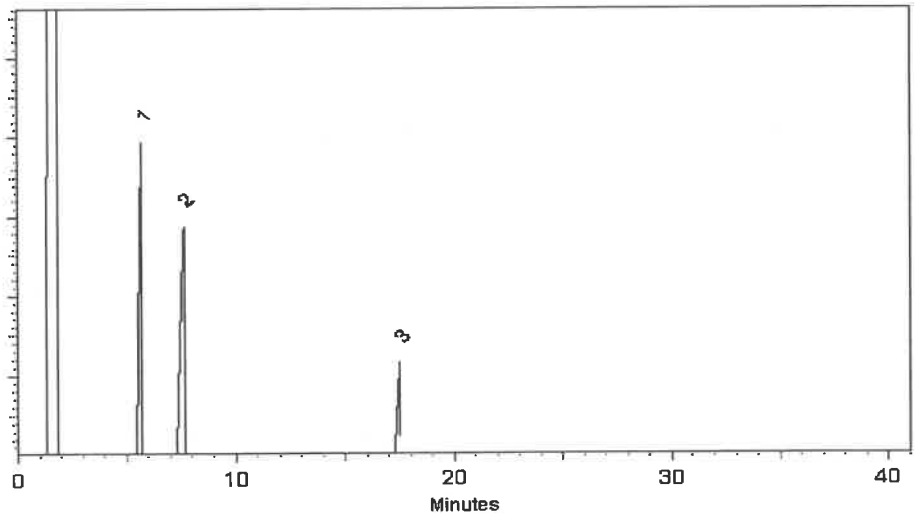
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

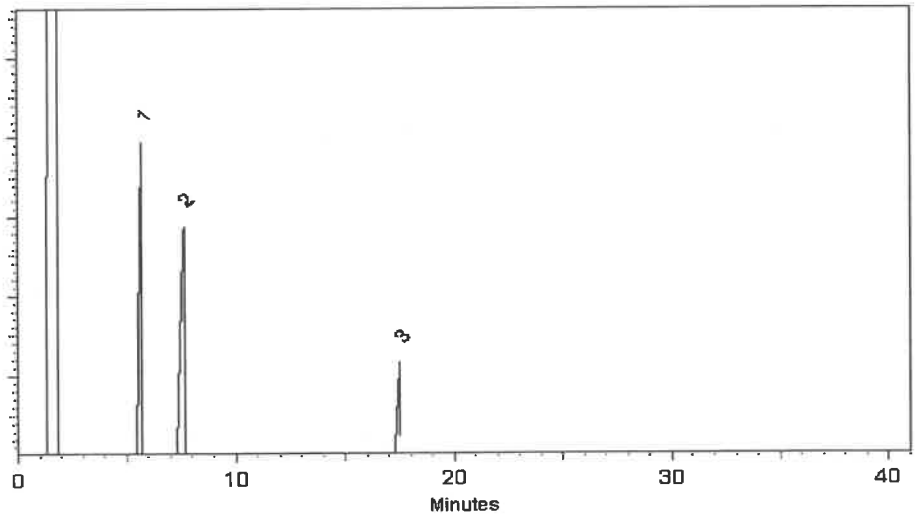
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

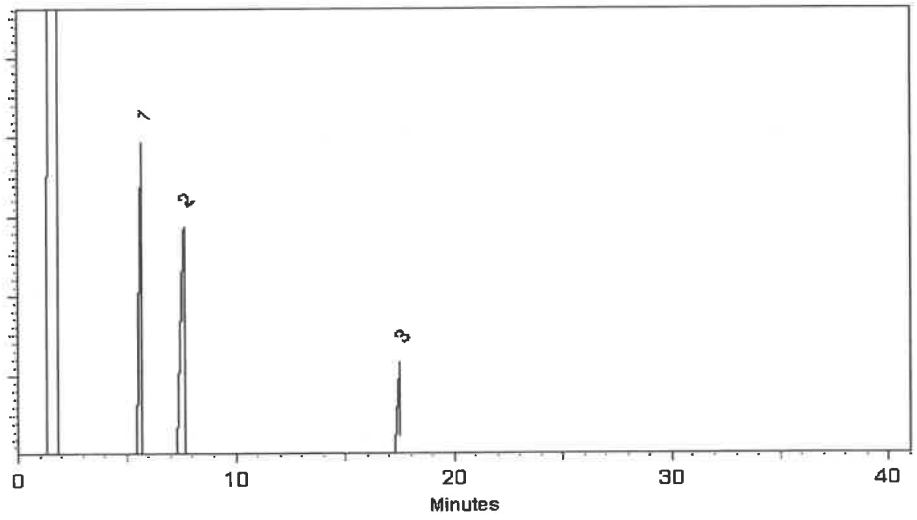
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

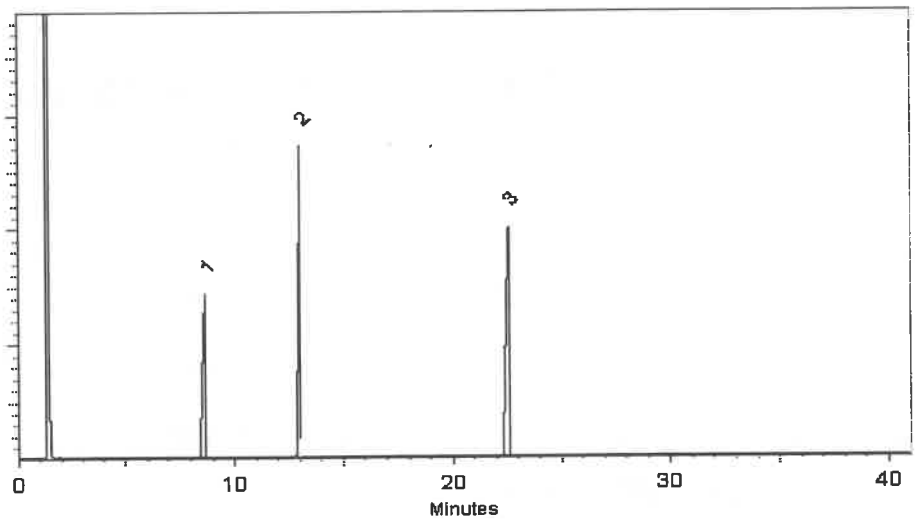
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

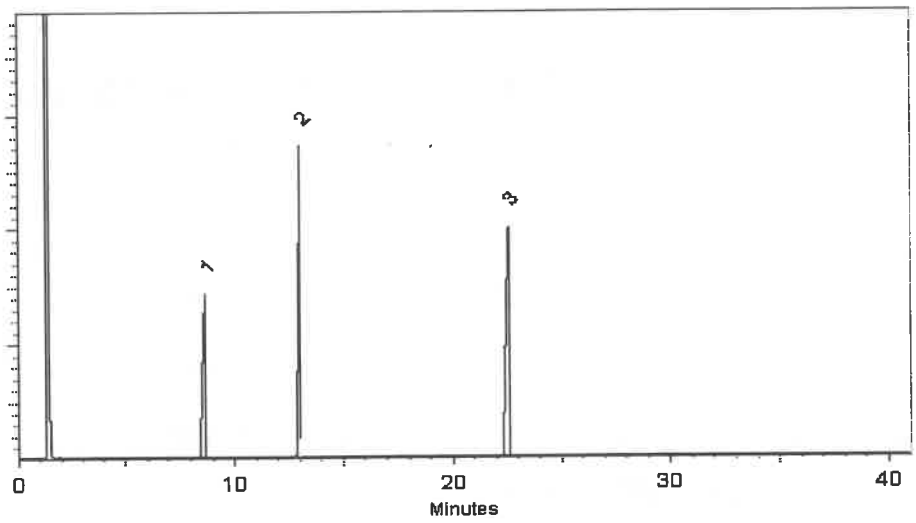
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

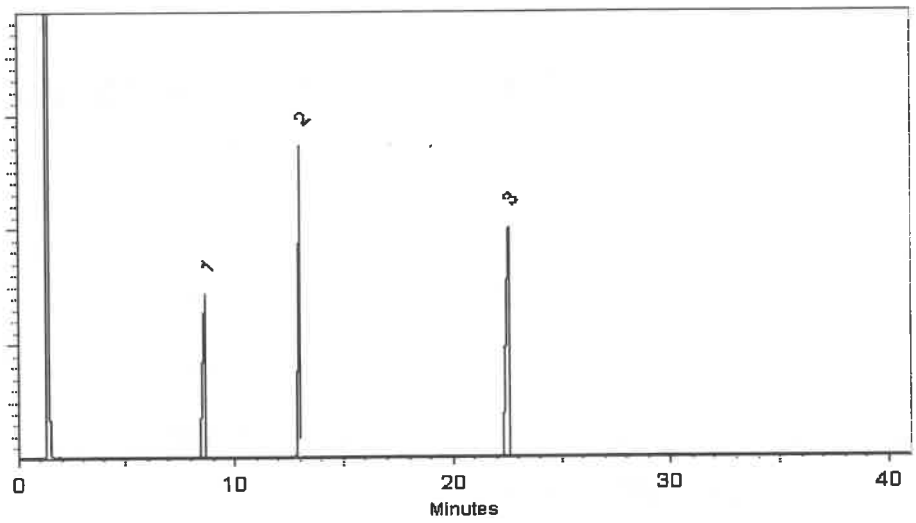
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

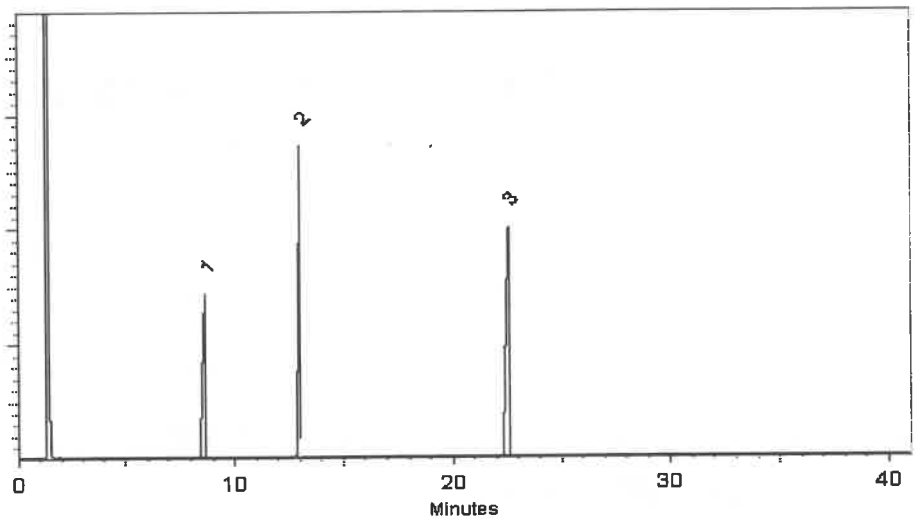
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

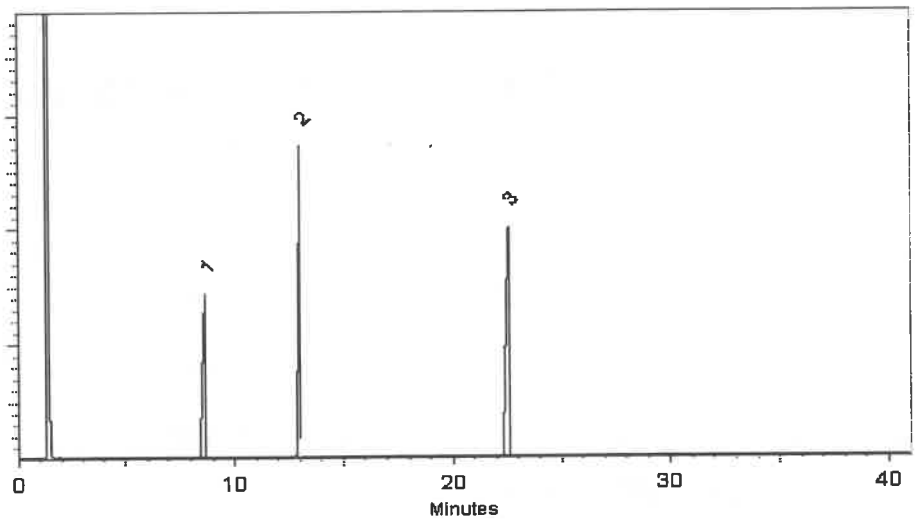
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

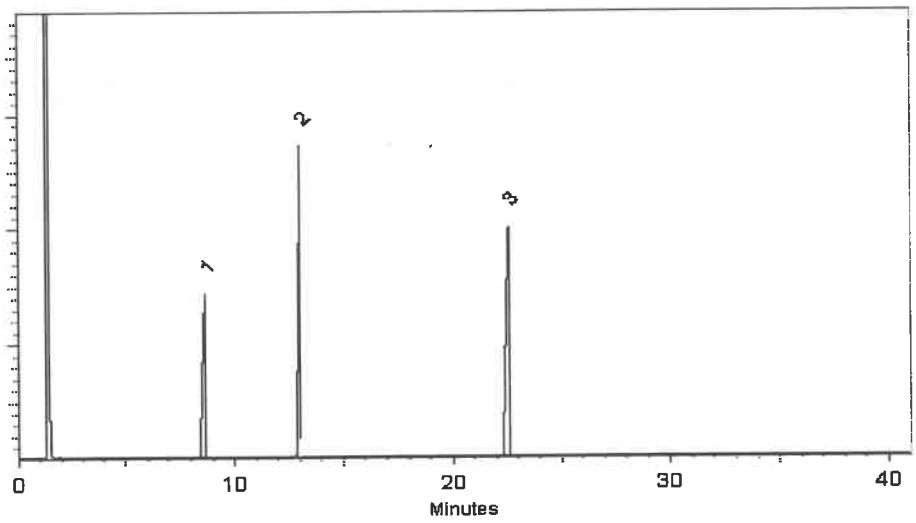
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

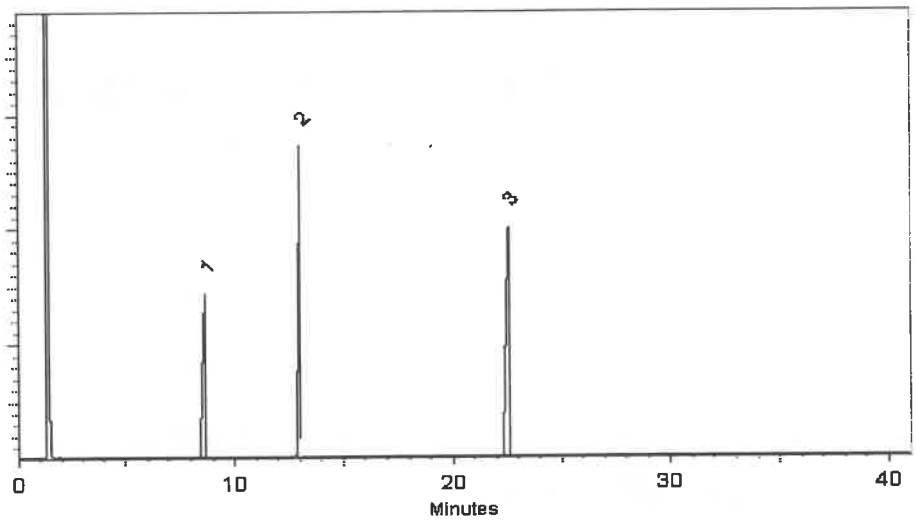
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

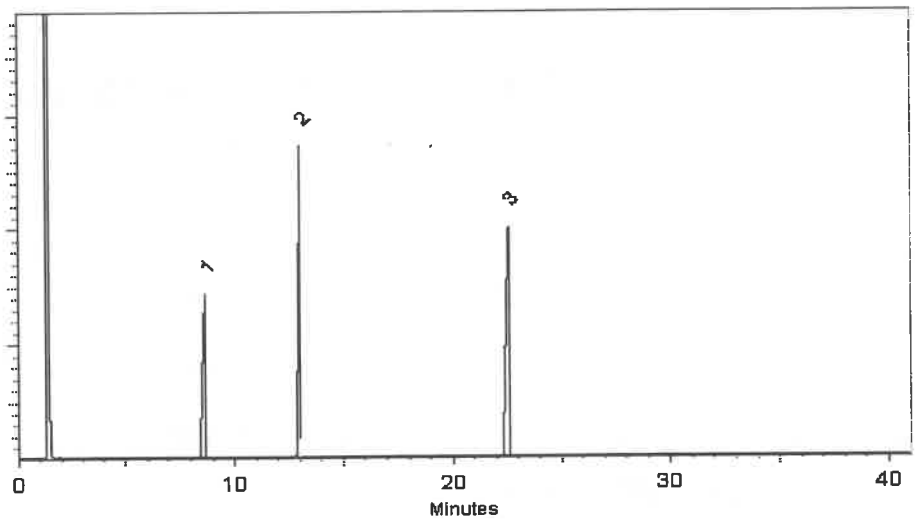
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

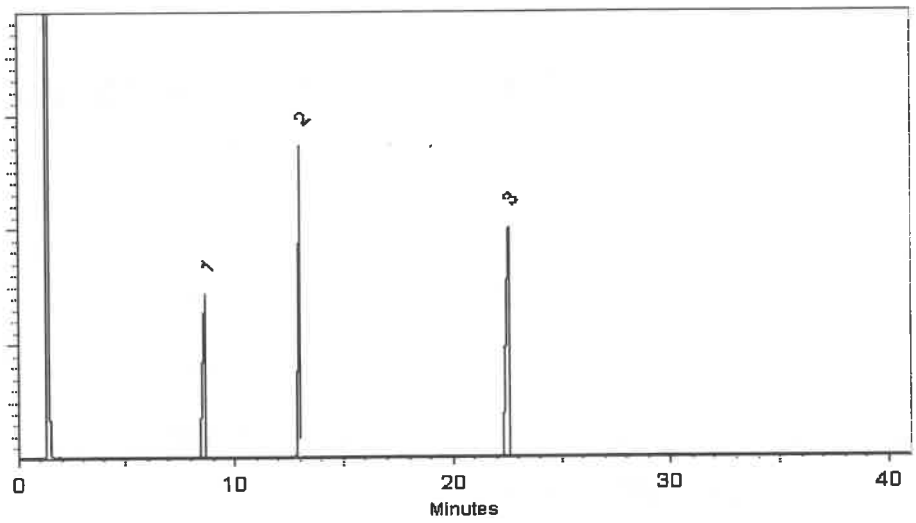
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC 05/24/24

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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

S12275 ↓ S12279 } RC/ 05/24/24

*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 gravimetricllly.

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.

S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

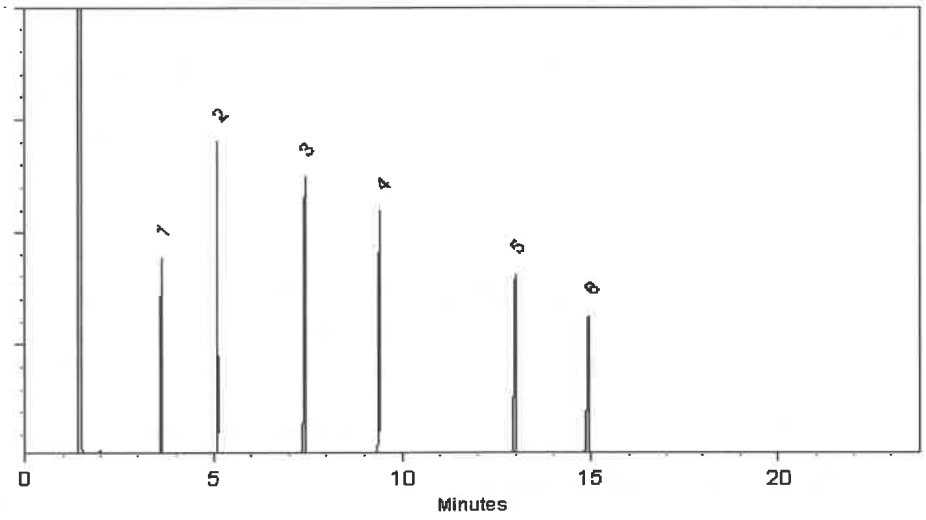
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I **Date Mixed:** 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

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. : 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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

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

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. : 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

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

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. : 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

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

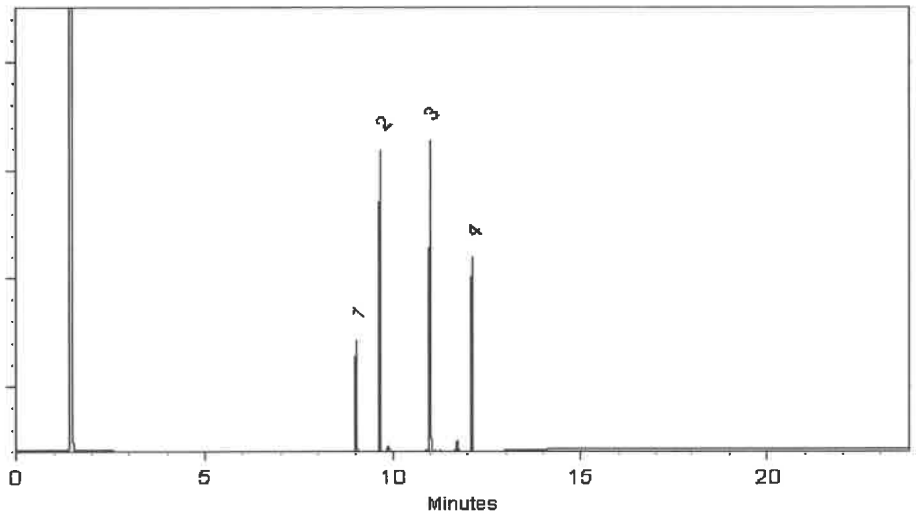
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

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

S12280 ↓ S12284 RCI 05/24/24

New numbers Generated.

S12790 ↓ S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 → S12992 AC 12/17/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 ↓ S12992 AC 12/17/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 ↓ S12992 AC 12/17/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 ↓ S12992 AC 12/17/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

SHIPPING DOCUMENTS

Q1664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-001-01	P001-BBDGA-001		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:30	9	5-g Encore	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:30	3	4 oz glass w/septum	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:30	3	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		F	SPLP EPH	Stone	3/26/2025	09:30	3	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		G	SPLP VOCs	Stone	3/26/2025	09:30	9	5-g Encore	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:30	3	4 oz glass w/septum	4 C	Y
	P001-BBDGA-001-01	P001-BBDGA-001		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:30	6	8 oz glass	4 C	Y

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	8:35 3-27-25		8:35 3-27-25	IR Gun #1 2.1 C no Custody Seal Temp Blank present

Q16664

USEPA
DateShipped: 3/26/2025
CarrierName: Hand Deliver
AirbillNo: N/a

CHAIN OF CUSTODY RECORD
Site #: 02FP
Contact Name Josh Frizzell
(470) 277-4600

No: 2-032625-0004-0037-01
RFP# 905A
Lab: Alliance Technical Group, LLC - Non CLP
Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-001-02	P001-BBDGA-001		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:30	3	5-g Encore	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:30	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:30	1	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		F	SPLP EPH	Stone	3/26/2025	09:30	1	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		G	SPLP VOCs	Stone	3/26/2025	09:30	3	5-g Encore	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:30	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-001-02	P001-BBDGA-001		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:30	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0855 3/27/25		8:35 3-27-25	IR Gun #1 2.1°C No Custody Seal Temp Blank present

Q1664

USEPA
DateShipped: 3/26/2025
CarrierName: Hand Deliver
AirbillNo: N/a

CHAIN OF CUSTODY RECORD
Site #: 02FP
Contact Name Josh Frizzell
(470) 277-4600

No: 2-032625-0004-0037-01
RFP# 905A
Lab: Alliance Technical Group, LLC - Non CLP
Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-002-01	P001-BBDGA-002		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:35	3	5-g Encore	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:35	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:35	1	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		F	SPLP EPH	Stone	3/26/2025	09:35	1	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		G	SPLP VOCs	Stone	3/26/2025	09:35	3	5-g Encore	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:35	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-002-01	P001-BBDGA-002		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:35	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0835 3/27/25		0835 3-27-25	IR Gun #1 2.1°C
					No Custody Seal
					No Temp Blank

Q16664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-003-01	P001-BBDGA-003		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:40	3	5-g Encore	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:40	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:40	1	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		F	SPLP EPH	Stone	3/26/2025	09:40	1	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		G	SPLP VOCs	Stone	3/26/2025	09:40	3	5-g Encore	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:40	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-003-01	P001-BBDGA-003		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:40	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0835 3/27/25		8:35 3-27-25	IR Cont # 1 2.1°
					No Custody Seal
					Temp Blank present

Q1664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-004-01	P001-BBDGA-004		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:45	3	5-g Encore	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:45	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:45	1	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		F	SPLP EPH	Stone	3/26/2025	09:45	1	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		G	SPLP VOCs	Stone	3/26/2025	09:45	3	5-g Encore	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:45	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-004-01	P001-BBDGA-004		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:45	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0935 3/27/25		0:35 3.27.25	If C-#1 2.1 °C No Custody Seal Temp Blk present

Q16664

USEPA
DateShipped: 3/26/2025
CarrierName: Hand Deliver
AirbillNo: N/a

CHAIN OF CUSTODY RECORD
Site #: 02FP
Contact Name Josh Frizzell
(470) 277-4600

No: 2-032625-0004-0037-01
RFP# 905A
Lab: Alliance Technical Group, LLC - Non CLP
Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-005-01	P001-BBDGA-005		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:50	3	5-g Encore	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:50	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:50	1	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		F	SPLP EPH	Stone	3/26/2025	09:50	1	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		G	SPLP VOCs	Stone	3/26/2025	09:50	3	5-g Encore	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:50	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-005-01	P001-BBDGA-005		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:50	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0835 3/27/25		8:35 3-27-25	IR Gun # 1 2.1 No Custody Seal Trip Blank

Q1664

USEPA
DateShipped: 3/26/2025
CarrierName: Hand Deliver
AirbillNo: N/a

CHAIN OF CUSTODY RECORD
Site #: 02FP
Contact Name Josh Frizzell
(470) 277-4600

No: 2-032625-0004-0037-01
RFP# 905A
Lab: Alliance Technical Group, LLC - Non CLP
Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-006-01	P001-BBDGA-006		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	09:55	3	5-g Encore	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	09:55	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		E	EPH (TAT 3 Days)	Stone	3/26/2025	09:55	1	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		F	SPLP EPH	Stone	3/26/2025	09:55	1	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		G	SPLP VOCs	Stone	3/26/2025	09:55	3	5-g Encore	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	09:55	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-006-01	P001-BBDGA-006		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	09:55	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	3/27/25 0835		0835 3-27-25	IR Gun 1 2.1 C No Custody Seal Intact Temp Blank present

Q16664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-007-01	P001-BBDGA-007		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	10:00	3	5-g Encore	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	10:00	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		E	EPH (TAT 3 Days)	Stone	3/26/2025	10:00	1	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		F	SPLP EPH	Stone	3/26/2025	10:00	1	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		G	SPLP VOCs	Stone	3/26/2025	10:00	3	5-g Encore	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	10:00	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-007-01	P001-BBDGA-007		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	10:00	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	3/27/25 0835		0835 3-27-25	IR Gun #1 2.1°C No Custody Seal Temp Blank present

Q1664

USEPA

DateShipped: 3/26/2025

CarrierName: Hand Deliver

AirbillNo: N/a

CHAIN OF CUSTODY RECORD

Site #: 02FP

Contact Name Josh Frizzell

(470) 277-4600

No: 2-032625-0004-0037-01

RFP# 905A

Lab: Alliance Technical Group, LLC - Non CLP

Lab Phone: 908-728-3144

Lab #	Sample #	Location	CLP Sample #	Tag	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	P001-BBDGA-008-01	P001-BBDGA-008		A	TAL VOCs (TAT 3 Days)	Stone	3/26/2025	10:05	3	5-g Encore	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		B	TAL SVOC+Pest+PCB (TAT 3 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		C	Percent Moisture (TAT 3 Days)	Stone	3/26/2025	10:05	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		D	TAL Metals+Hg+CN (TAT 3 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		E	EPH (TAT 3 Days)	Stone	3/26/2025	10:05	1	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		F	SPLP EPH	Stone	3/26/2025	10:05	1	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		G	SPLP VOCs	Stone	3/26/2025	10:05	3	5-g Encore	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		H	SPLP SVOCs + Pest+PCBs (TAT 7 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		I	Percent Moisture (SPLP) (TAT 7 Days)	Stone	3/26/2025	10:05	1	4 oz glass w/septum	4 C	N
	P001-BBDGA-008-01	P001-BBDGA-008		J	SPLP Metals+Hg+CN (TAT 7 Days)	Stone	3/26/2025	10:05	2	8 oz glass	4 C	N

Special Instructions: Please email results to S.Sumbaly@WestonSolutions.com and Josh.Frizzell@WestonSolutions.com. TAT for TAL analyses is 3 days. TAT for SPLP analyses is 7 days.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSES	WESTON	0835 3/27/25		8:35 3.27.25	IR Gun #1 2.1 C no Custody Seal Temp Blank present

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1664 ROYF02
Client Name : Weston Solutions, Inc.
Client Contact : Smita Sumbaly
Invoice Name : Weston Solutions, Inc.
Invoice Contact : Smita Sumbaly

Order Date : 3/27/2025 10:47:00 AM
Project Name : RFP 905
Receive DateTime : 3/27/2025 8:35:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
Q1664-01	P001-BBDGA-001-01	Solid	03/26/2025	09:30						
					VOC-TCLVOA-10		8260D	10 Bus. Days	3 Days	
Q1664-02	Q1664-01MS	Solid	03/26/2025	09:30						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-03	Q1664-01MSD	Solid	03/26/2025	09:30						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-07	P001-BBDGA-001-02	Solid	03/26/2025	09:30						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-09	P001-BBDGA-002-01	Solid	03/26/2025	09:35						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-11	P001-BBDGA-003-01	Solid	03/26/2025	09:40						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-13	P001-BBDGA-004-01	Solid	03/26/2025	09:45						
					VOC-TCLVOA-10		8260D	10 Bus. Days		
Q1664-15	P001-BBDGA-005-01	Solid	03/26/2025	09:50						

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1664 ROYF02
Client Name : Weston Solutions, Inc.
Client Contact : Smita Sumbaly
Invoice Name : Weston Solutions, Inc.
Invoice Contact : Smita Sumbaly

Order Date : 3/27/2025 10:47:00 AM
Project Name : RFP 905
Receive DateTime : 3/27/2025 8:35:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D	10 Bus. Days	3 days
Q1664-17	P001-BBDGA-006-01	Solid	03/26/2025	09:55					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1664-19	P001-BBDGA-007-01	Solid	03/26/2025	10:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1664-21	P001-BBDGA-008-01	Solid	03/26/2025	10:05					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinguished By :
Date / Time : 3/27/25 1200

Received By :
Date / Time : 03.27.25 12:00
Storage Area : VOA Refridgerator Room