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Cover Page

Order ID : P5380

Project ID : Ft Meade Tipton Airfield Parcel RI - PO 0111169

Client : Weston Solutions

Lab Sample Number	Client Sample Number
P5380-01	TAPIAL3-IDW-SOIL-122024-T1
P5380-02	TAPIAL3-IDW-SOIL-122024-T1

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

Signature : _____

Date: 1/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions
Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169
Project # N/A
Chemtech Project # P5380
Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 12/21/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, PCB, pH, Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP BNA.

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 analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for WC-SOIL-20241219MS [Nitrobenzene-d5 - 130%], WC-SOIL-20241219MSD [Nitrobenzene-d5 - 127%], as per method two surrogates are allowed to failed, no corrective action was taken.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {P5362-02MS} with File ID: BF141050.D recoveries met the requirements for all compounds except for 2,4-Dinitrotoluene[132%], due to Matrix interference no corrective action is required.

The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 20% in the Initial Calibration (8270-BF122624.M) for 2,4-Dinitrotoluene, this compound is passing on Linear Regression.

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The Continuous Calibration File ID BF141047.D met the requirements except for 2,4-Dinitrotoluene, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The not QT review data is reported in the Miscellaneous.

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

F. Concentration of Water Sample:

$$\text{Concentration ug/L} = \frac{(Ax)\,(Is)\,(Vt)\,(DF)\,(GPC)}{(Ais)\,(RRF)\,(Vo)\,(Vi)}$$

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.
Vo = Volume of water extracted in mL.
Vi = Volume of extract injected in uL.
Vt = Volume of the concentrated extract in uL
RRF = Mean Relative Response Factor determined from the initial calibration standard.
GPC = Vin = GPC factor (If no GPC is performed, GPC=1)
Vout

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

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

CHEMTECH PROJECT NUMBER: P5380 MATRIX: TCLP

METHOD: 8270E/3510/1311

		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-BF122624.M) for 2,4-Dinitrotoluene, this compound is passing on Linear Regression.			
	The Continuous Calibration File ID BF141047.D met the requirements except for 2,4-Dinitrotoluene, 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 WC-SOIL-20241219MS [Nitrobenzene-d5 - 130%], WC-SOIL-20241219MSD [Nitrobenzene-d5 - 127%], as per method two surrogates are allowed to failed, 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 {P5362-02MS} with File ID: BF141050.D recoveries met the requirements for all compounds except for 2,4-Dinitrotoluene[132%], due to Matrix interference no corrective action is required. The Blank Spike met requirements for all samples .			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

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

The not QT review data is reported in the Miscellaneous.

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

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P5380**

	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:** **01/03/2025**

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LAB CHRONICLE

OrderID:	P5380	**OrderDate:**	12/23/2024 9:50:00 AM
Client:	Weston Solutions	**Project:**	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	**Location:**	N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5380-02	**TAPIAL3-IDW-SOIL-122024-T1**	**TCLP**			**12/20/24**			**12/21/24**
			TCLP BNA	8270E		12/27/24	12/30/24	

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Hit Summary Sheet
SW-846

SDG No.: P5380

Client: Weston Solutions

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



QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: P5380

Client: Weston Solutions

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P5362-02MS	WC-SOIL-20241219MS	2-Fluorophenol	150	148	99		19	119
		Phenol-d6	150	144	96		10	130
		Nitrobenzene-d5	100	130	130	*	44	120
		2-Fluorobiphenyl	100	104	104		44	119
		2,4,6-Tribromophenol	150	190	126		43	140
		Terphenyl-d14	100	126	126		50	134
P5362-02MSD	WC-SOIL-20241219MSD	2-Fluorophenol	150	145	97		19	119
		Phenol-d6	150	141	94		10	130
		Nitrobenzene-d5	100	127	127	*	44	120
		2-Fluorobiphenyl	100	100	100		44	119
		2,4,6-Tribromophenol	150	184	123		43	140
		Terphenyl-d14	100	122	122		50	134
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	2-Fluorophenol	150	122	82		19	119
		Phenol-d6	150	110	73		10	130
		Nitrobenzene-d5	100	115	115		44	120
		2-Fluorobiphenyl	100	92.7	93		44	119
		2,4,6-Tribromophenol	150	166	111		43	140
		Terphenyl-d14	100	90.7	91		50	134
PB165858TB	PB165858TB	2-Fluorophenol	150	142	95		19	119
		Phenol-d6	150	138	92		10	130
		Nitrobenzene-d5	100	118	118		44	120
		2-Fluorobiphenyl	100	99.4	99		44	119
		2,4,6-Tribromophenol	150	169	113		43	140
		Terphenyl-d14	100	94.1	94		50	134
PB165894BL	PB165894BL	2-Fluorophenol	150	127	85		19	119
		Phenol-d6	150	124	82		10	130
		Nitrobenzene-d5	100	102	102		44	120
		2-Fluorobiphenyl	100	88.7	89		44	119
		2,4,6-Tribromophenol	150	145	97		43	140
		Terphenyl-d14	100	85.7	86		50	134
PB165894BS	PB165894BS	2-Fluorophenol	150	134	89		19	119
		Phenol-d6	150	133	88		10	130
		Nitrobenzene-d5	100	109	109		44	120
		2-Fluorobiphenyl	100	94.8	95		44	119
		2,4,6-Tribromophenol	150	158	105		43	140
		Terphenyl-d14	100	106	106		50	134

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5380

Client: Weston Solutions

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P5362-02MS		**Client Sample ID: WC-SOIL-20241219MS**						**DataFile: BF141050.D**			
Pyridine	500	0	310	ug/L	62				10	153	
1,4-Dichlorobenzene	500	0	490	ug/L	98				29	112	
2-Methylphenol	500	0	530	ug/L	106				30	117	
3+4-Methylphenols	500	0	510	ug/L	102				29	110	
Hexachloroethane	500	0	510	ug/L	102				21	115	
Nitrobenzene	500	0	560	ug/L	112				45	121	
Hexachlorobutadiene	500	0	500	ug/L	100				22	124	
2,4,6-Trichlorophenol	500	0	570	ug/L	114				50	125	
2,4,5-Trichlorophenol	500	0	570	ug/L	114				53	123	
2,4-Dinitrotoluene	500	0	660	ug/L	132	*			57	128	
Hexachlorobenzene	500	0	570	ug/L	114				53	125	
Pentachlorophenol	1000	0	1200	ug/L	120				35	138	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5380

Client: Weston Solutions

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P5362-02MSD		**Client Sample ID: WC-SOIL-20241219MSD**						**DataFile: BF141051.D**			
Pyridine	500	0	310	ug/L	62	0			10	153	20
1,4-Dichlorobenzene	500	0	470	ug/L	94	4			29	112	20
2-Methylphenol	500	0	510	ug/L	102	4			30	117	20
3+4-Methylphenols	500	0	500	ug/L	100	2			29	110	20
Hexachloroethane	500	0	490	ug/L	98	4			21	115	20
Nitrobenzene	500	0	550	ug/L	110	2			45	121	20
Hexachlorobutadiene	500	0	490	ug/L	98	2			22	124	20
2,4,6-Trichlorophenol	500	0	560	ug/L	112	2			50	125	20
2,4,5-Trichlorophenol	500	0	550	ug/L	110	4			53	123	20
2,4-Dinitrotoluene	500	0	640	ug/L	128	3			57	128	20
Hexachlorobenzene	500	0	550	ug/L	110	4			53	125	20
Pentachlorophenol	1000	0	1100	ug/L	110	9			35	138	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5380

Client: Weston Solutions

Analytical Method: 8270E **DataFile:** BF141021.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165894BS	Pyridine	50	45.5	ug/L	91				10	153	
	1,4-Dichlorobenzene	50	47.7	ug/L	95				29	112	
	2-Methylphenol	50	50.1	ug/L	100				30	117	
	3+4-Methylphenols	50	48.9	ug/L	98				29	110	
	Hexachloroethane	50	49.2	ug/L	98				21	115	
	Nitrobenzene	50	51.7	ug/L	103				45	121	
	Hexachlorobutadiene	50	48.2	ug/L	96				22	124	
	2,4,6-Trichlorophenol	50	52.9	ug/L	106				50	125	
	2,4,5-Trichlorophenol	50	53.4	ug/L	107				53	123	
	2,4-Dinitrotoluene	50	55.4	ug/L	111				57	128	
	Hexachlorobenzene	50	54.3	ug/L	109				53	125	
	Pentachlorophenol	100	110	ug/L	110				35	138	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165894BL

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Lab File ID: BF141020.D Lab Sample ID: PB165894BL

Instrument ID: BNA_F Date Extracted: 12/27/2024

Matrix: (soil/water) water Date Analyzed: 12/30/2024

Level: (low/med) LOW Time Analyzed: 09:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165894BS	PB165894BS	BF141021.D	12/30/2024
WC-SOIL-20241219MS	P5362-02MS	BF141050.D	12/31/2024
WC-SOIL-20241219MSD	P5362-02MSD	BF141051.D	12/31/2024
TAPIAL3-IDW-SOIL-122024-T1	P5380-02	BF141028.D	12/30/2024
PB165858TB	PB165858TB	BF141022.D	12/30/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM SAS No.: P5380 SDG NO.: P5380

Lab File ID: BF140969.D DFTPP Injection Date: 12/26/2024

Instrument ID: BNA_F DFTPP Injection Time: 15:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.4
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	47.8
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	6.6
275	10.0 - 60.0% of mass 198	27.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.8 (19.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF140970.D	12/26/2024	16:23
SSTDICC005	SSTDICC005	BF140971.D	12/26/2024	16:49
SSTDICC010	SSTDICC010	BF140972.D	12/26/2024	17:15
SSTDICC020	SSTDICC020	BF140973.D	12/26/2024	17:41
SSTDICCC040	SSTDICCC040	BF140974.D	12/26/2024	18:06
SSTDICC050	SSTDICC050	BF140975.D	12/26/2024	18:33
SSTDICC060	SSTDICC060	BF140976.D	12/26/2024	18:59
SSTDICC080	SSTDICC080	BF140977.D	12/26/2024	19:25

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM SAS No.: P5380 SDG NO.: P5380

Lab File ID: BF141018.D DFTPP Injection Date: 12/30/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.4
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	36.4
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.4 (19.6) 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	BF141019.D	12/30/2024	09:24
PB165894BL	PB165894BL	BF141020.D	12/30/2024	09:50
PB165894BS	PB165894BS	BF141021.D	12/30/2024	10:17
PB165858TB	PB165858TB	BF141022.D	12/30/2024	10:43
TAPIAL3-IDW-SOIL-122024-T1	P5380-02	BF141028.D	12/30/2024	13:29
SSTDCCC040EC	SSTDCCC040	BF141029.D	12/30/2024	14:01

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM SAS No.: P5380 SDG NO.: P5380

Lab File ID: BF141046.D DFTPP Injection Date: 12/31/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.9
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	37.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	28.4
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.6 (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	BF141047.D	12/31/2024	09:50
WC-SOIL-20241219MS	P5362-02MS	BF141050.D	12/31/2024	11:23
WC-SOIL-20241219MSD	P5362-02MSD	BF141051.D	12/31/2024	11:49
SSTDCCC040EC	SSTDCCC040	BF141056.D	12/31/2024	14:18

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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/30/2024

Lab File ID: BF141019.D Time Analyzed: 09:24

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	287798	6.834	1120360	8.12	589913	9.87
	UPPER LIMIT	575596	7.334	2240720	8.616	1179830	10.369
	LOWER LIMIT	143899	6.334	560180	7.616	294957	9.369
	EPA SAMPLE NO.						
01	PB165894BL	294590	6.83	1177090	8.11	636803	9.86
02	PB165894BS	265480	6.83	1062210	8.12	563633	9.86
03	PB165858TB	261082	6.83	1035810	8.11	557988	9.86
04	TAPIAL3-IDW-SOIL-122024-T1	253415	6.83	1011770	8.10	540531	9.86

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/30/2024

Lab File ID: BF141019.D Time Analyzed: 09:24

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	999326	11.351	513499	13.992	572329	15.451
	UPPER LIMIT	1998650	11.851	1027000	14.492	1144660	15.951
	LOWER LIMIT	499663	10.851	256750	13.492	286165	14.951
	EPA SAMPLE NO.						
01	PB165894BL	1094330	11.35	805864	13.99	643549	15.45
02	PB165894BS	910683	11.35	524973	13.99	559032	15.46
03	PB165858TB	953209	11.35	718934	13.99	570504	15.45
04	TAPIAL3-IDW-SOIL-122024-T1	938430	11.35	714431	13.98	541596	15.45

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/31/2024

Lab File ID: BF141047.D Time Analyzed: 09:50

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	267957	6.828	1030830	8.11	541136	9.86
	UPPER LIMIT	535914	7.328	2061660	8.61	1082270	10.363
	LOWER LIMIT	133979	6.328	515415	7.61	270568	9.363
	EPA SAMPLE NO.						
01	WC-SOIL-20241219MS	230352	6.83	918976	8.11	496643	9.86
02	WC-SOIL-20241219MSD	232407	6.83	925099	8.11	503882	9.86

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/31/2024

Lab File ID: BF141047.D Time Analyzed: 09:50

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	944319	11.345	516920	13.986	521026	15.445
	UPPER LIMIT	1888640	11.845	1033840	14.486	1042050	15.945
	LOWER LIMIT	472160	10.845	258460	13.486	260513	14.945
	EPA SAMPLE NO.						
01	WC-SOIL-20241219MS	836009	11.35	393323	13.99	476566	15.45
02	WC-SOIL-20241219MSD	849705	11.35	416215	13.99	472841	15.44

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

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

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



SAMPLE DATA

Raw Data: **BF141028.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/20/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/21/24
Client Sample ID:	TAPIAL3-IDW-SOIL-122024-T1	SDG No.:	P5380
Lab Sample ID:	P5380-02	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141028.D	1	12/27/24 10:25	12/30/24 13:29	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
110-86-1	Pyridine	40.0	U	15.5	40.0	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	40.0	U	8.40	40.0	50.0	ug/L
95-48-7	2-Methylphenol	40.0	U	11.3	40.0	50.0	ug/L
65794-96-9	3+4-Methylphenols	80.0	U	11.5	80.0	100	ug/L
67-72-1	Hexachloroethane	40.0	U	10.1	40.0	50.0	ug/L
98-95-3	Nitrobenzene	40.0	U	12.7	40.0	50.0	ug/L
87-68-3	Hexachlorobutadiene	40.0	U	12.7	40.0	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	40.0	U	8.90	40.0	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	40.0	U	10.1	40.0	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	40.0	U	15.2	40.0	50.0	ug/L
118-74-1	Hexachlorobenzene	40.0	U	11.4	40.0	50.0	ug/L
87-86-5	Pentachlorophenol	80.0	U	18.5	80.0	100	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	122		19 - 119		82%	SPK: 150
13127-88-3	Phenol-d6	110		10 - 130		73%	SPK: 150
4165-60-0	Nitrobenzene-d5	115		44 - 120		115%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.7		44 - 119		93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	166		43 - 140		111%	SPK: 150
1718-51-0	Terphenyl-d14	90.7		50 - 134		91%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	253000	6.828				
1146-65-2	Naphthalene-d8	1010000	8.104				
15067-26-2	Acenaphthene-d10	541000	9.857				
1517-22-2	Phenanthrene-d10	938000	11.345				
1719-03-5	Chrysene-d12	714000	13.98				
1520-96-3	Perylene-d12	542000	15.445				

Raw Data: **BF141028.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/20/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/21/24
Client Sample ID:	TAPIAL3-IDW-SOIL-122024-T1	SDG No.:	P5380
Lab Sample ID:	P5380-02	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141028.D	1	12/27/24 10:25	12/30/24 13:29	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

Sample Results: **BF141028.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141028.D
Acq On : 30 Dec 2024 13:29
Operator : RC/JU
Sample : P5380-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Quant Time: Dec 30 13:50:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	253415	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1011771	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	540531	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	938430	20.000	ng	0.00
76) Chrysene-d12	13.980	240	714431	20.000	ng	0.00
86) Perylene-d12	15.445	264	541596	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	2055953	122.293	ng	0.02
7) Phenol-d6	6.451	99	2386295	110.186	ng	0.00
23) Nitrobenzene-d5	7.386	82	1821161	115.159	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	871475	165.920	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	3144167	92.676	ng	0.00
79) Terphenyl-d14	12.933	244	3899798	90.667	ng	0.00
Target Compounds						Qvalue

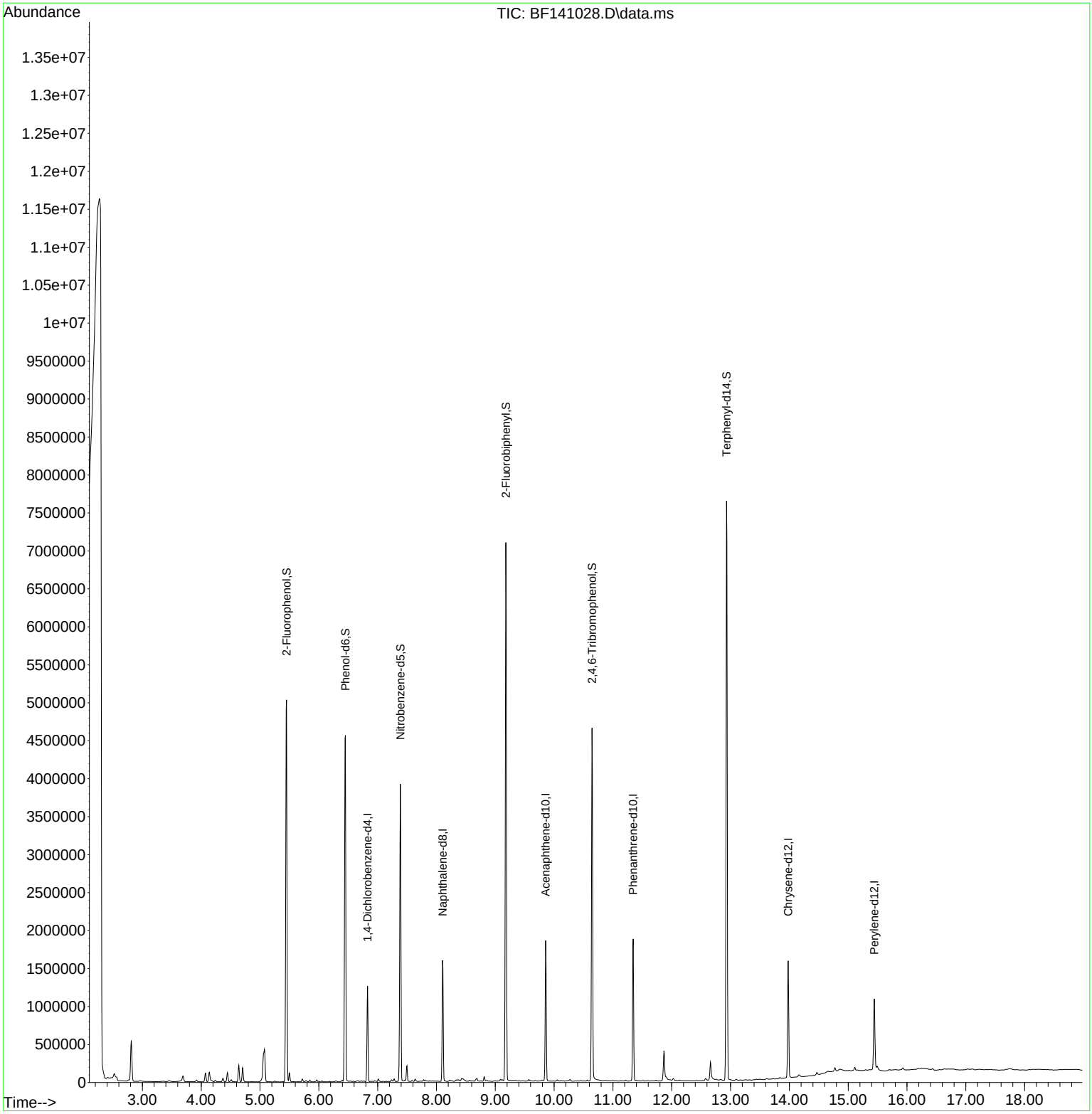
(#) = qualifier out of range (m) = manual integration (+) = signals summed

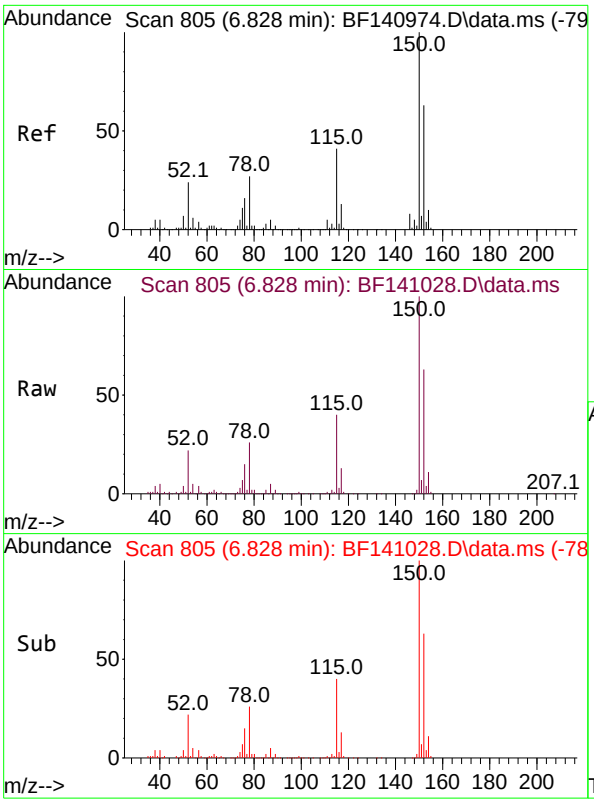
Sample Results: **BF141028.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141028.D
Acq On : 30 Dec 2024 13:29
Operator : RC/JU
Sample : P5380-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Quant Time: Dec 30 13:50:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



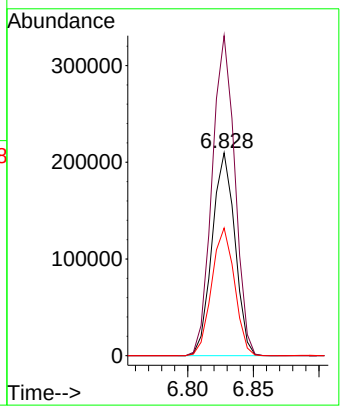


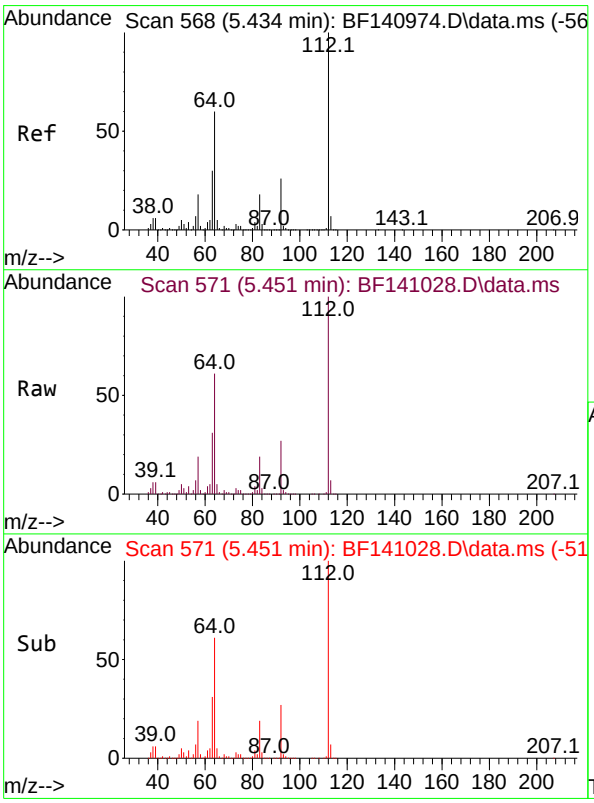
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Tgt Ion:152 Resp: 253415

Ion	Ratio	Lower	Upper
152	100		
150	157.8	127.0	190.6
115	63.0	51.7	77.5

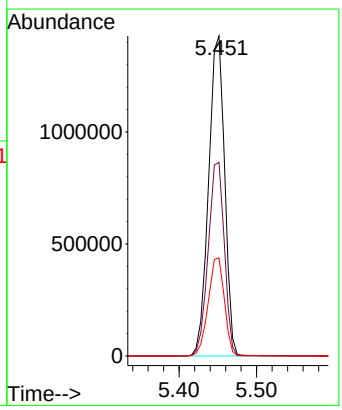


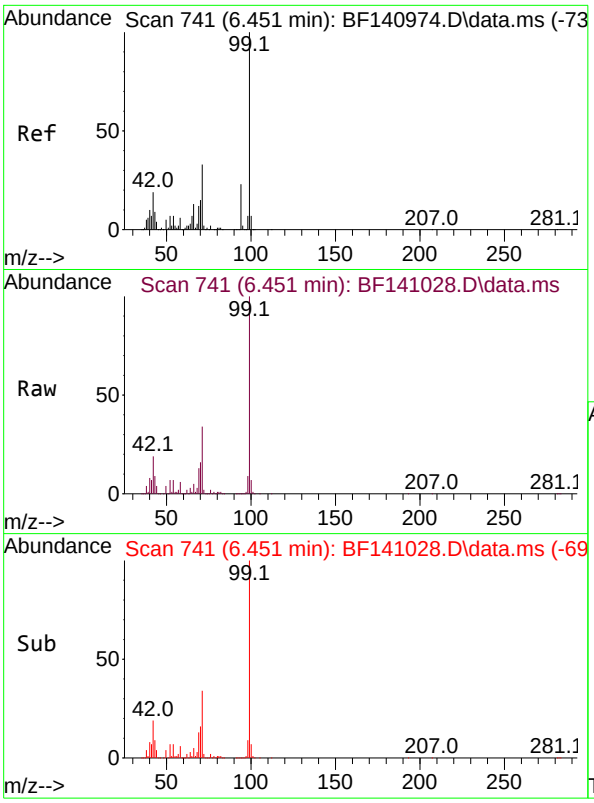


#5
2-Fluorophenol
Concen: 122.293 ng
RT: 5.451 min Scan# 571
Delta R.T. 0.018 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Tgt Ion:112 Resp: 2055953

Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.7	71.5
63	30.6	24.2	36.2



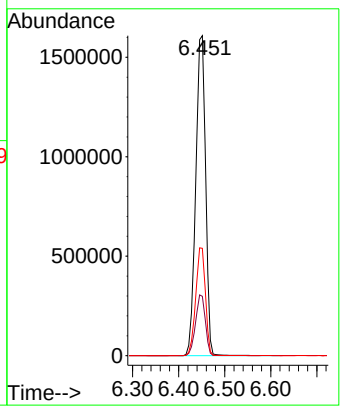


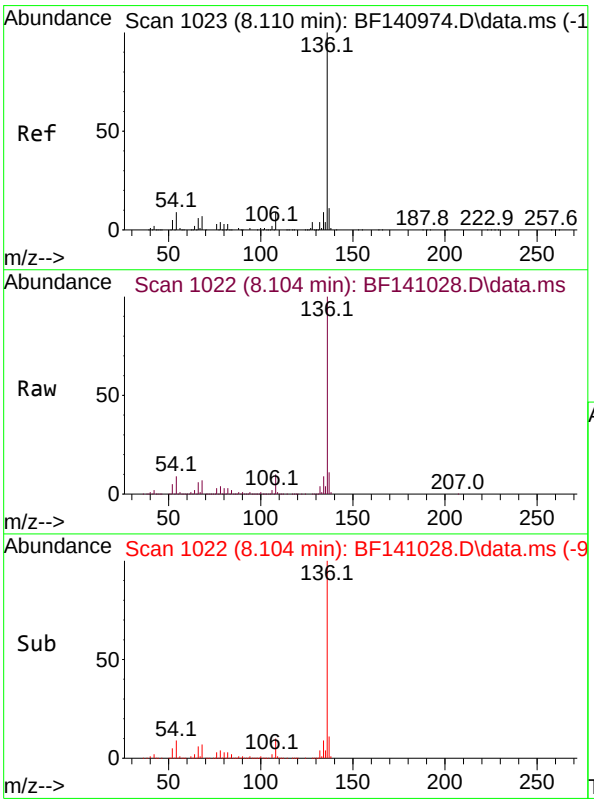
#7
Phenol-d6
Concen: 110.186 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Tgt Ion: 99 Resp: 2386295

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.0	22.4
71	33.5	26.2	39.2

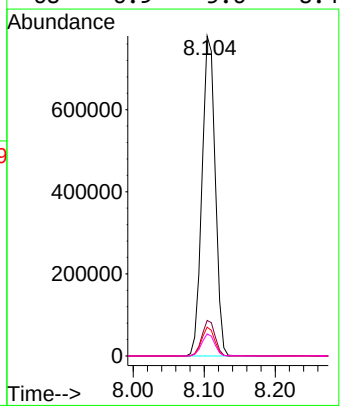


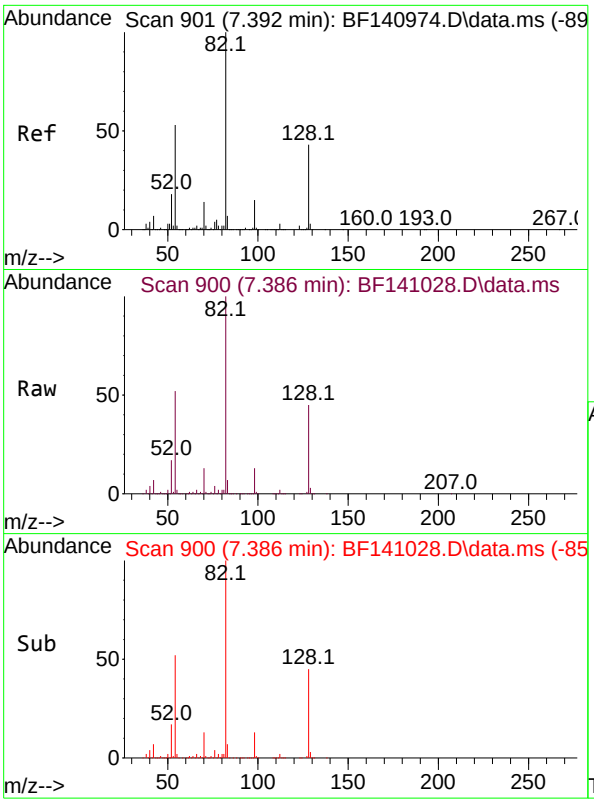


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Tgt Ion:136 Resp: 1011771

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.0	7.6	11.4
68	6.9	5.6	8.4



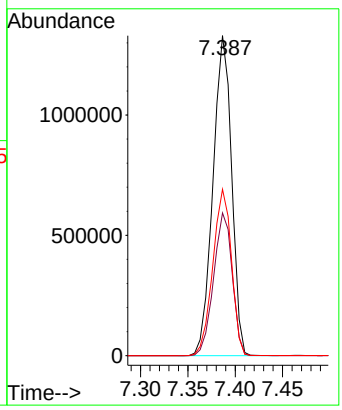


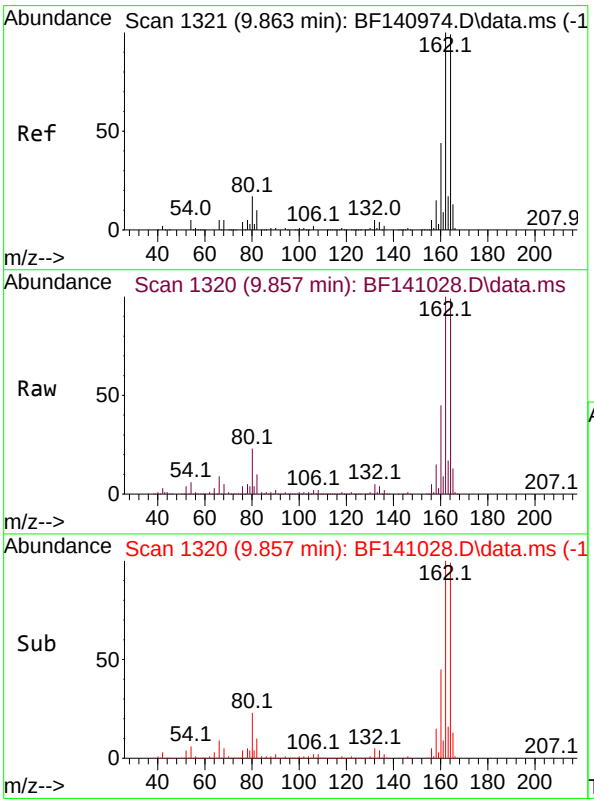
#23
Nitrobenzene-d5
Concen: 115.159 ng
RT: 7.386 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Tgt Ion: 82 Resp: 1821161

Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.4	51.6
54	52.0	42.4	63.6

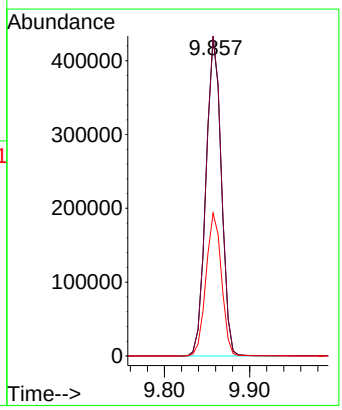


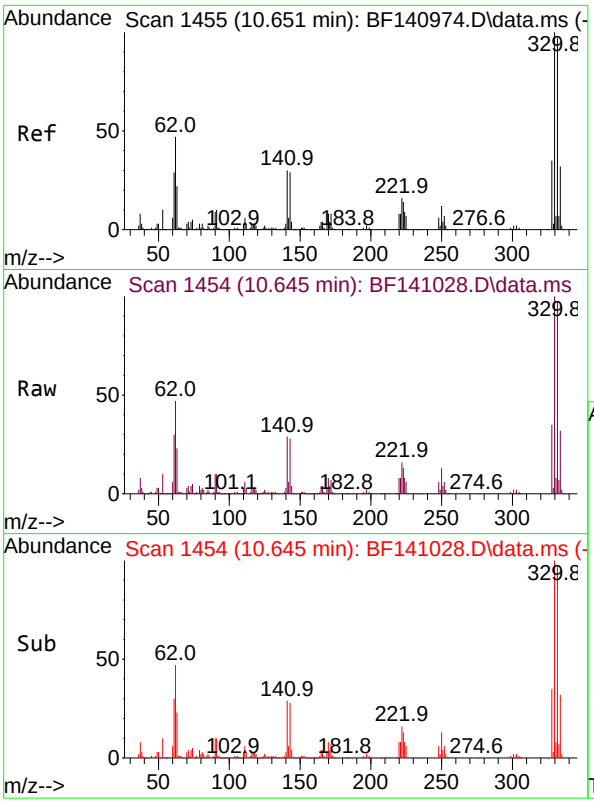


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Tgt Ion:164 Resp: 540531

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.9	35.7	53.5



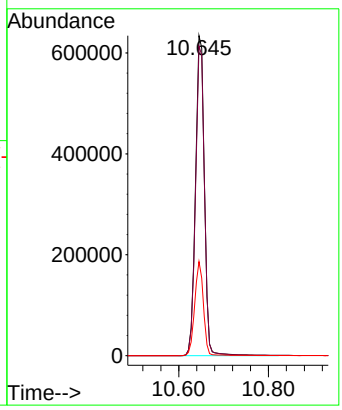


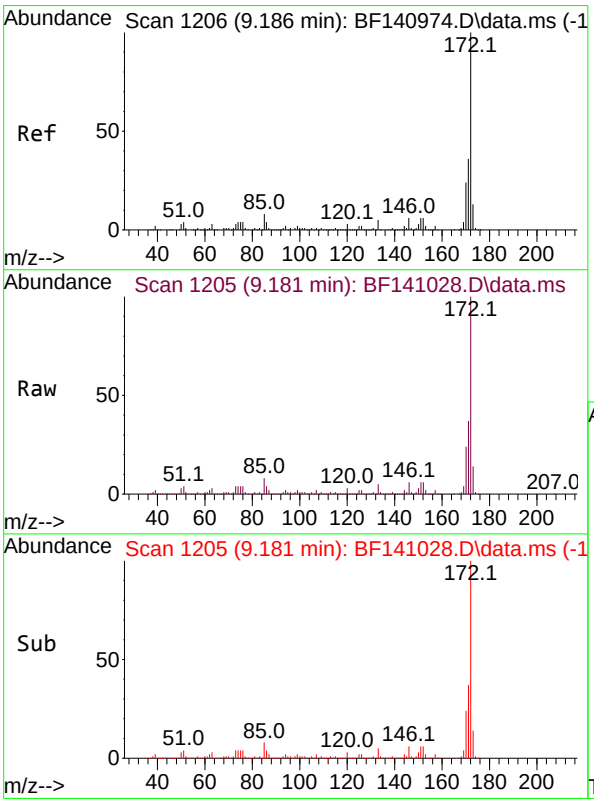
#42
2,4,6-Tribromophenol
Concen: 165.920 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Tgt Ion:330 Resp: 871475

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.0	117.0
141	29.3	26.4	39.6

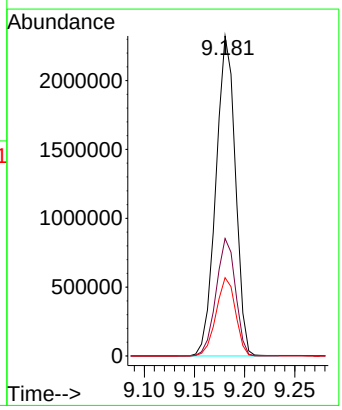


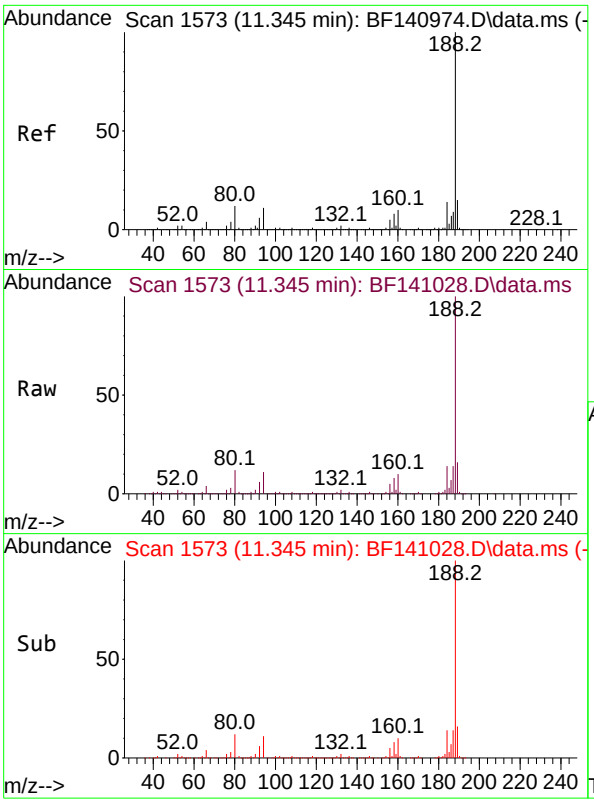


#45
2-Fluorobiphenyl
Concen: 92.676 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Tgt Ion:172 Resp: 3144167

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.0	43.4
170	24.5	19.6	29.4



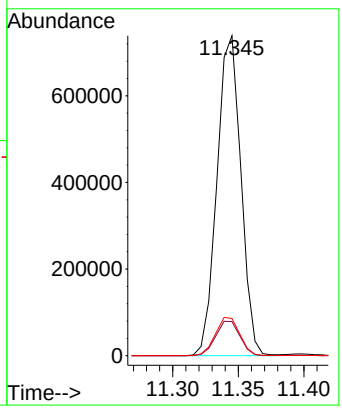


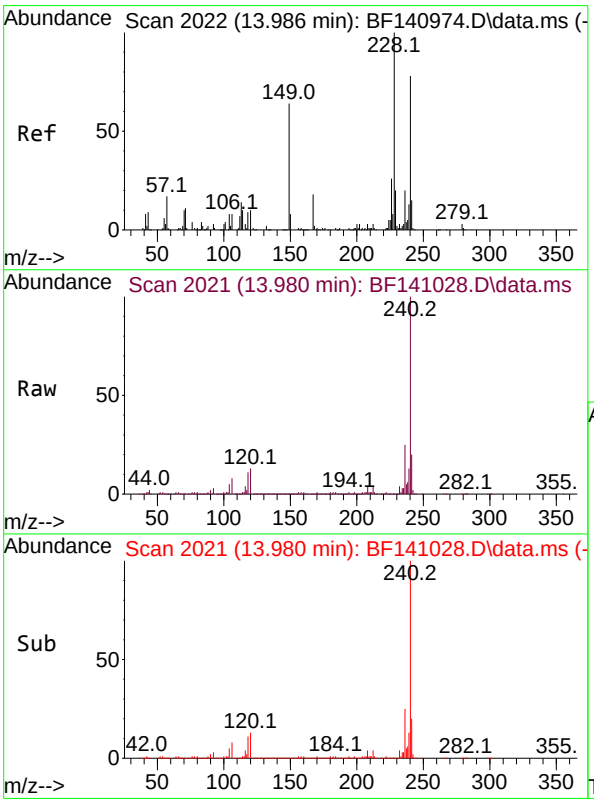
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Tgt Ion:188 Resp: 938430

Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.0	13.6
80	11.7	9.8	14.6

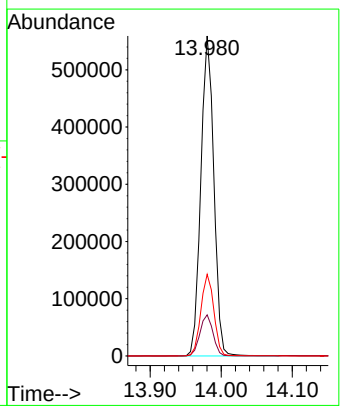


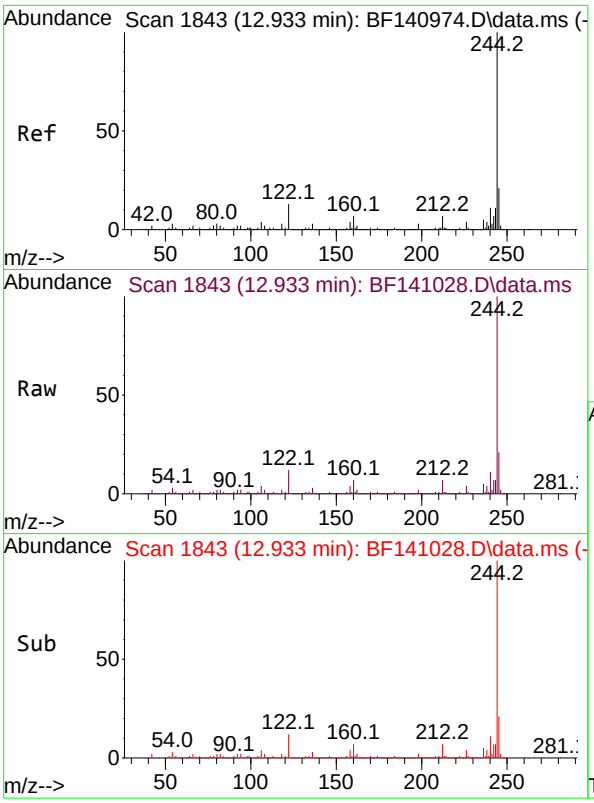


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Tgt Ion:240 Resp: 714431

Ion	Ratio	Lower	Upper
240	100		
120	12.9	10.7	16.1
236	25.5	20.6	31.0



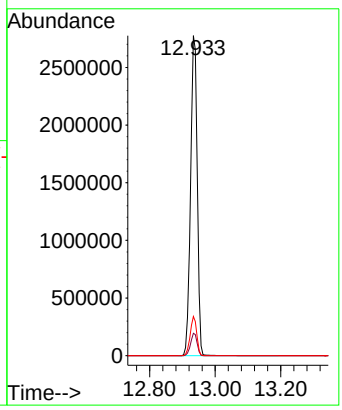


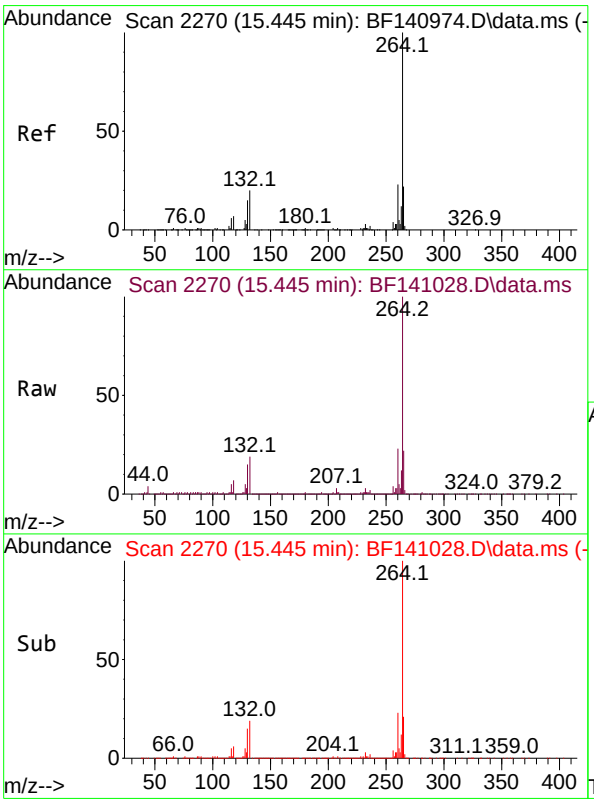
#79
Terphenyl-d14
Concen: 90.667 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Instrument :
BNA_F
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Tgt Ion:244 Resp: 3899798

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	12.3	10.2	15.2

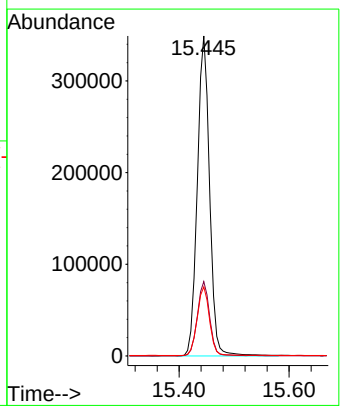




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF141028.D
Acq: 30 Dec 2024 13:29

Tgt Ion:264 Resp: 541596

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.6	17.4	26.2



Raw Data: **BF141022.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/27/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/27/24
Client Sample ID:	PB165858TB	SDG No.:	P5380
Lab Sample ID:	PB165858TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141022.D	1	12/27/24 10:25	12/30/24 10:43	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
110-86-1	Pyridine	40.0	U	15.5	40.0	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	40.0	U	8.40	40.0	50.0	ug/L
95-48-7	2-Methylphenol	40.0	U	11.3	40.0	50.0	ug/L
65794-96-9	3+4-Methylphenols	80.0	U	11.5	80.0	100	ug/L
67-72-1	Hexachloroethane	40.0	U	10.1	40.0	50.0	ug/L
98-95-3	Nitrobenzene	40.0	U	12.7	40.0	50.0	ug/L
87-68-3	Hexachlorobutadiene	40.0	U	12.7	40.0	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	40.0	U	8.90	40.0	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	40.0	U	10.1	40.0	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	40.0	U	15.2	40.0	50.0	ug/L
118-74-1	Hexachlorobenzene	40.0	U	11.4	40.0	50.0	ug/L
87-86-5	Pentachlorophenol	80.0	U	18.5	80.0	100	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	142		19 - 119		95%	SPK: 150
13127-88-3	Phenol-d6	138		10 - 130		92%	SPK: 150
4165-60-0	Nitrobenzene-d5	118		44 - 120		118%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.4		44 - 119		99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	169		43 - 140		113%	SPK: 150
1718-51-0	Terphenyl-d14	94.1		50 - 134		94%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	261000	6.828				
1146-65-2	Naphthalene-d8	1040000	8.11				
15067-26-2	Acenaphthene-d10	558000	9.857				
1517-22-2	Phenanthrene-d10	953000	11.345				
1719-03-5	Chrysene-d12	719000	13.986				
1520-96-3	Perylene-d12	571000	15.451				

Raw Data: **BF141022.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/27/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/27/24
Client Sample ID:	PB165858TB	SDG No.:	P5380
Lab Sample ID:	PB165858TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF141022.D	1	12/27/24 10:25	12/30/24 10:43	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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\BF123024\
Data File : BF141022.D
Acq On : 30 Dec 2024 10:43
Operator : RC/JU
Sample : PB165858TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165858TB

Quant Time: Dec 30 11:09:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

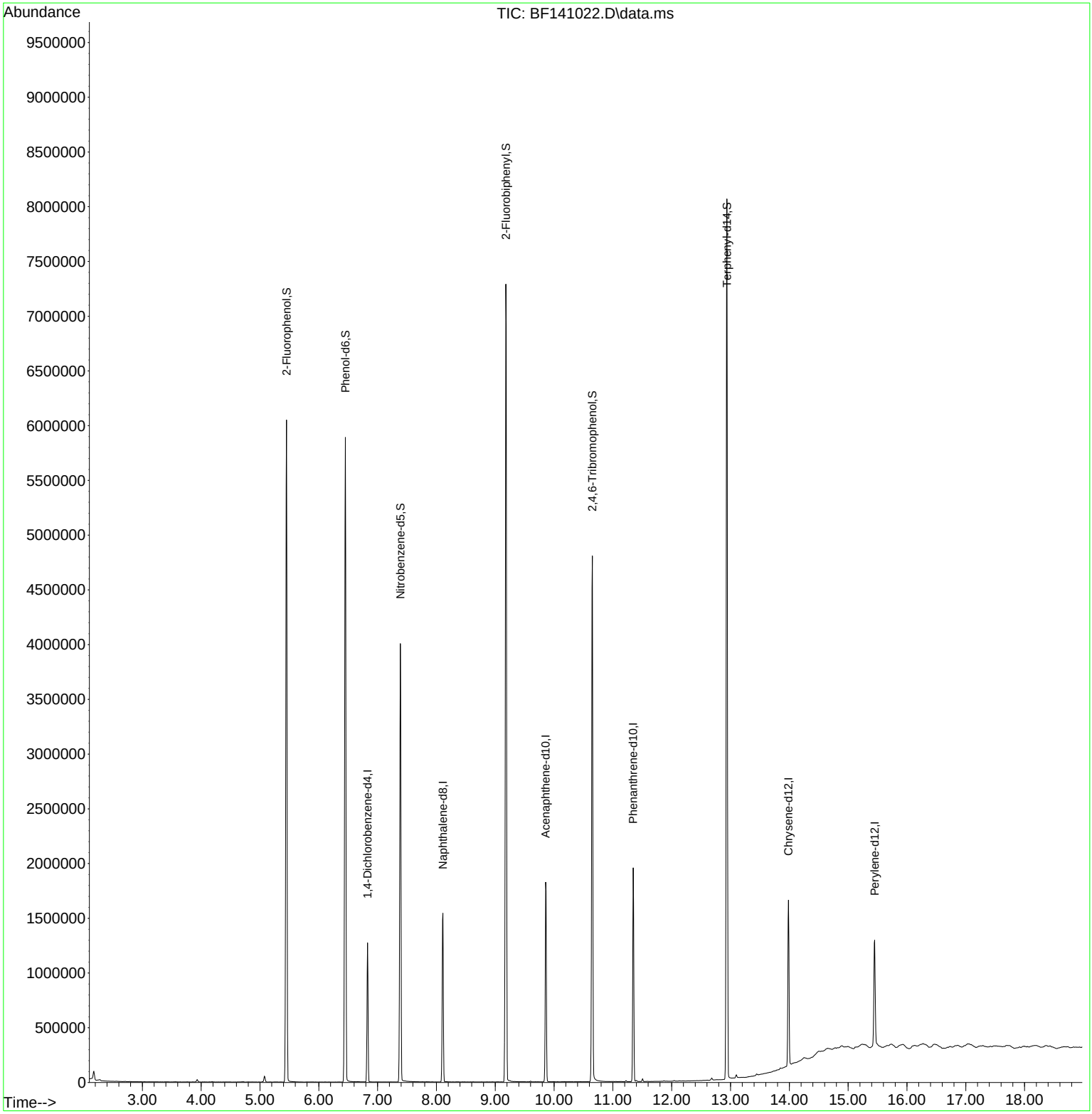
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	261082	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1035808	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	557988	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	953209	20.000	ng	0.00
76) Chrysene-d12	13.986	240	718934	20.000	ng	0.00
86) Perylene-d12	15.451	264	570504	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	2467503	142.463	ng	0.02
7) Phenol-d6	6.451	99	3081976	138.129	ng	0.00
23) Nitrobenzene-d5	7.387	82	1912945	118.155	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	916260	168.989	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	3480771	99.387	ng	0.00
79) Terphenyl-d14	12.939	244	4073487	94.112	ng	0.00
Target Compounds						Qvalue

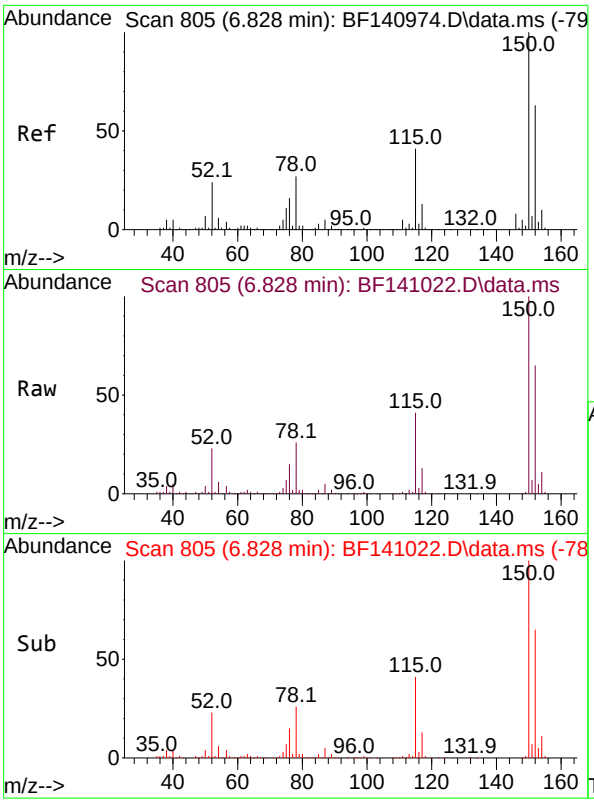
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141022.D
Acq On : 30 Dec 2024 10:43
Operator : RC/JU
Sample : PB165858TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165858TB

Quant Time: Dec 30 11:09:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



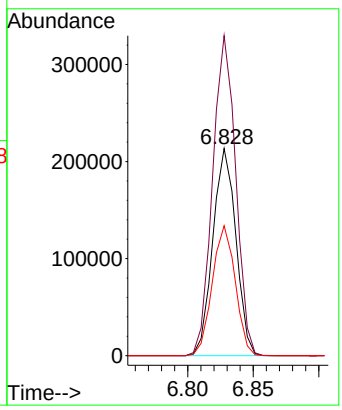


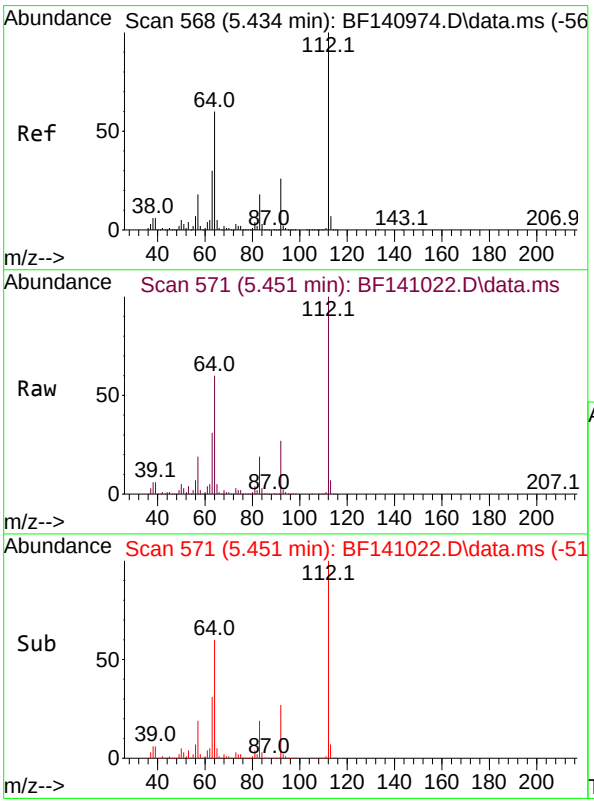
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141022.D
Acq: 30 Dec 2024 10:43

Instrument :
BNA_F
ClientSampleId :
PB165858TB

Tgt Ion:152 Resp: 261082

Ion	Ratio	Lower	Upper
152	100		
150	154.4	127.0	190.6
115	62.7	51.7	77.5

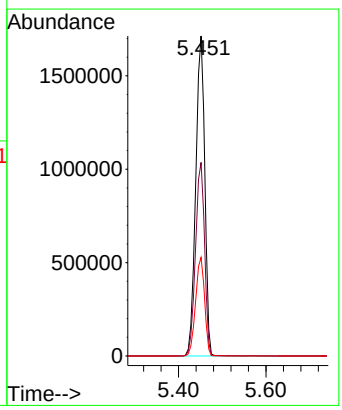


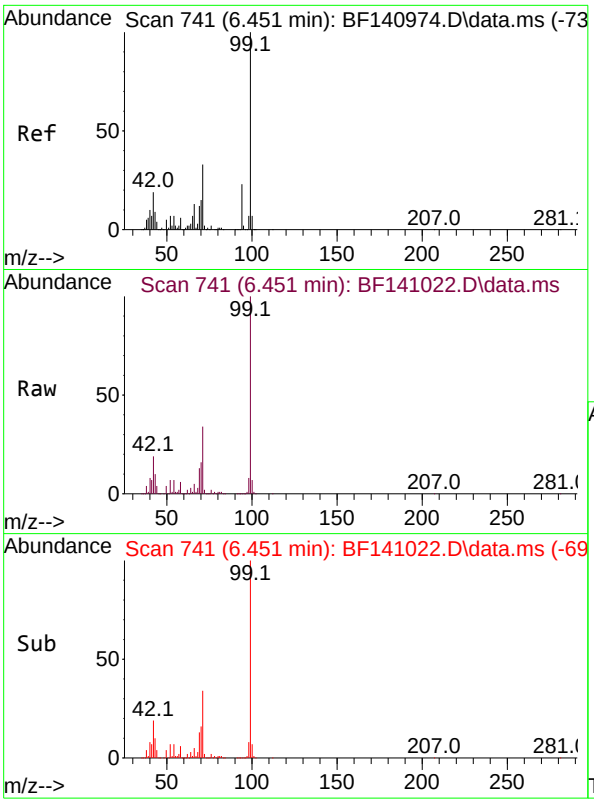


#5
2-Fluorophenol
Concen: 142.463 ng
RT: 5.451 min Scan# 571
Delta R.T. 0.018 min
Lab File: BF141022.D
Acq: 30 Dec 2024 10:43

Tgt Ion:112 Resp: 2467503

Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.7	71.5
63	30.8	24.2	36.2



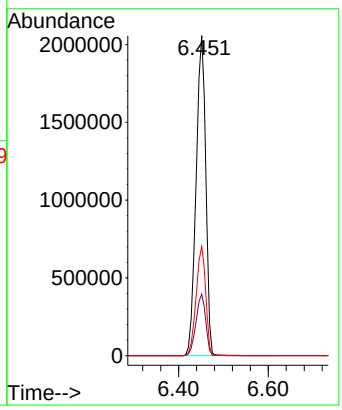


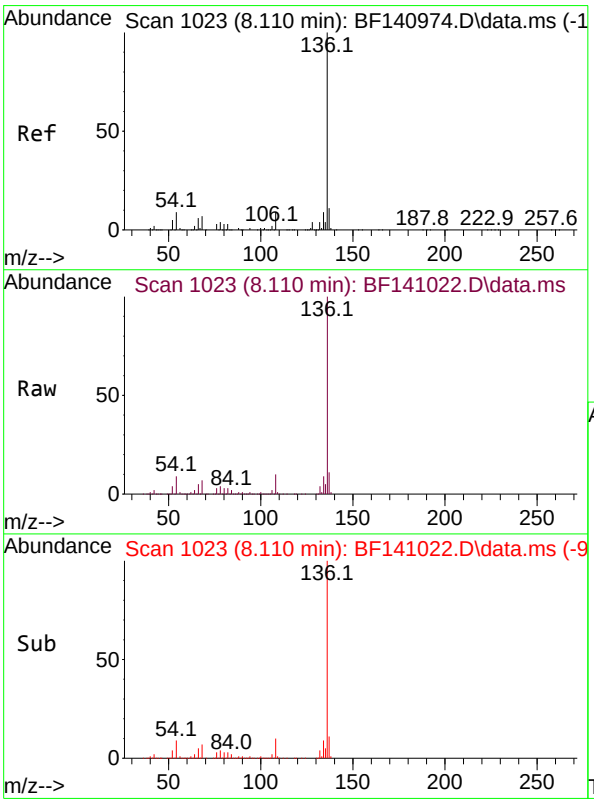
#7
Phenol-d6
Concen: 138.129 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141022.D
Acq: 30 Dec 2024 10:43

Instrument :
BNA_F
ClientSampleId :
PB165858TB

Tgt Ion: 99 Resp: 3081976

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.0	22.4
71	34.2	26.2	39.2

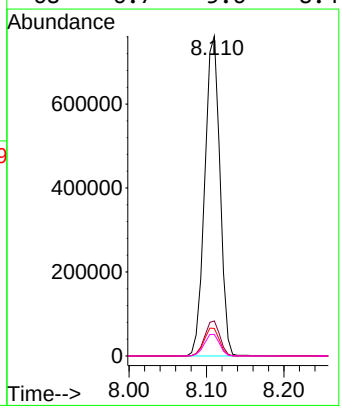


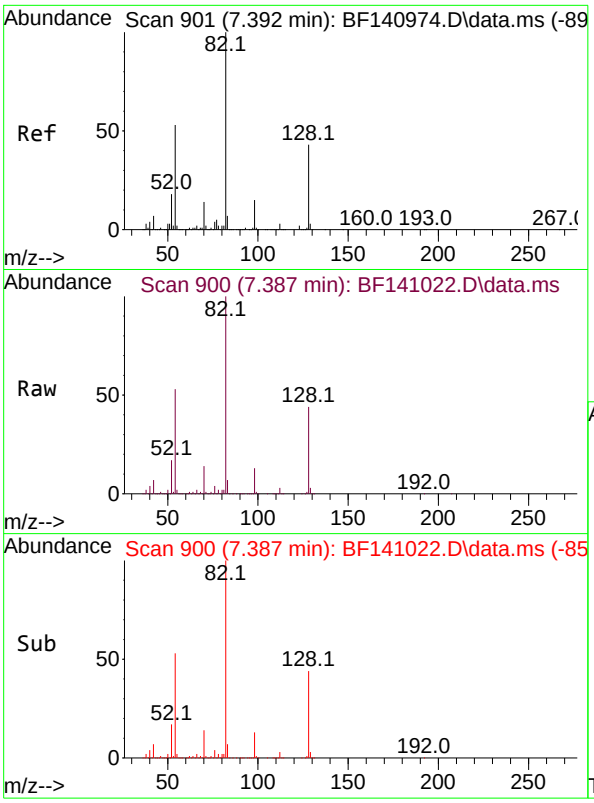


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF141022.D
Acq: 30 Dec 2024 10:43

Tgt Ion:136 Resp: 1035808

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	8.6	7.6	11.4
68	6.7	5.6	8.4



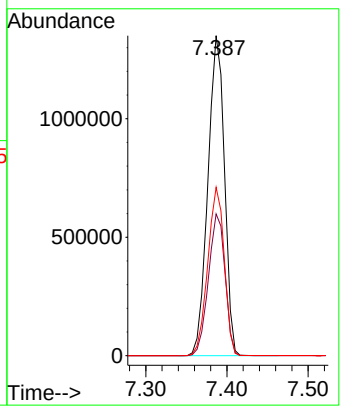


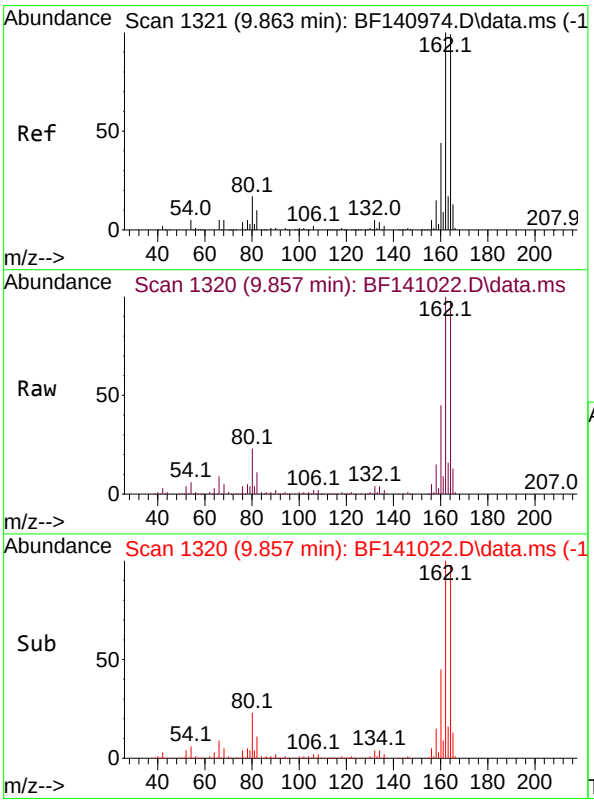
#23
Nitrobenzene-d5
Concen: 118.155 ng
RT: 7.387 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF141022.D
Acq: 30 Dec 2024 10:43

Instrument :
BNA_F
ClientSampleId :
PB165858TB

Tgt Ion: 82 Resp: 1912945

Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.4	51.6
54	52.6	42.4	63.6

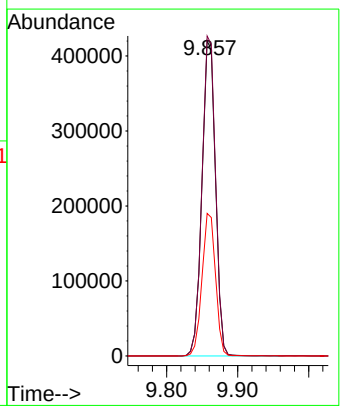


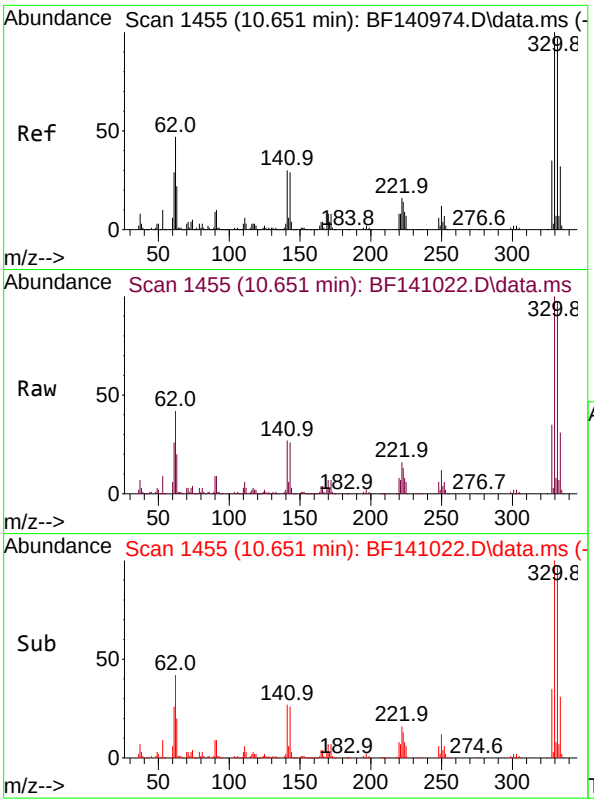


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141022.D
Acq: 30 Dec 2024 10:43

Tgt Ion:164 Resp: 557988

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	120.8
160	45.3	35.7	53.5



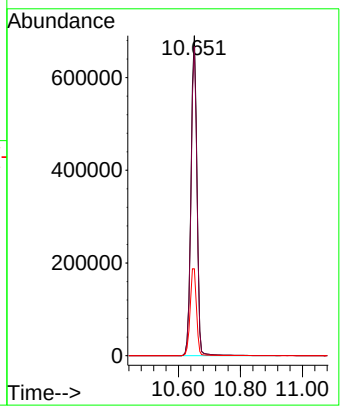


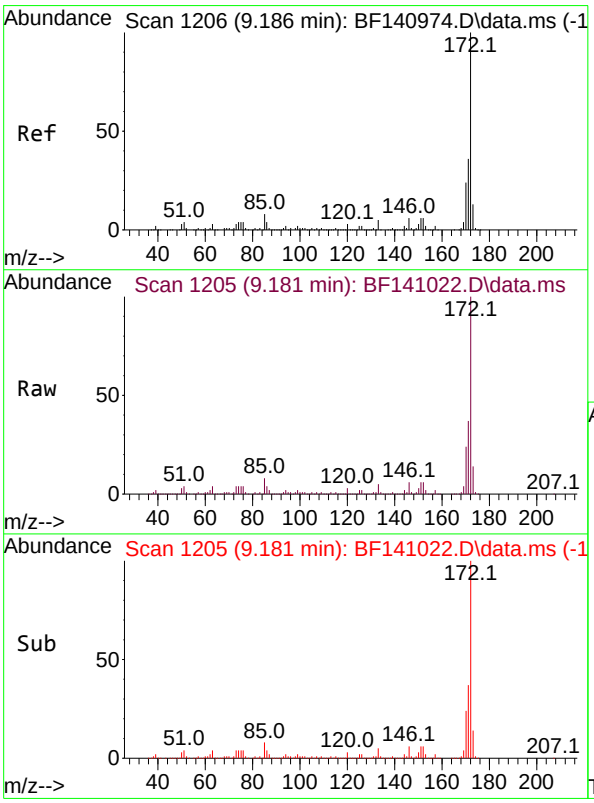
#42
2,4,6-Tribromophenol
Concen: 168.989 ng
RT: 10.651 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141022.D
Acq: 30 Dec 2024 10:43

Instrument :
BNA_F
ClientSampleId :
PB165858TB

Tgt Ion:330 Resp: 916260

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.0	117.0
141	29.2	26.4	39.6

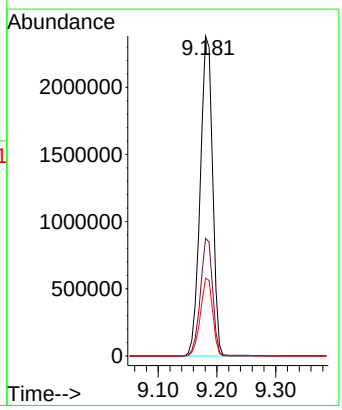


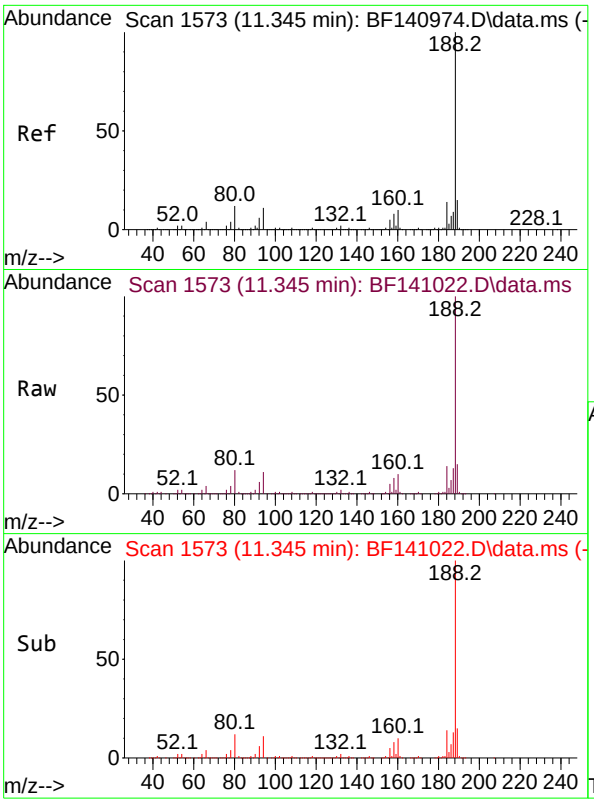


#45
2-Fluorobiphenyl
Concen: 99.387 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141022.D
Acq: 30 Dec 2024 10:43

Tgt Ion:172 Resp: 3480771

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.4
170	24.3	19.6	29.4



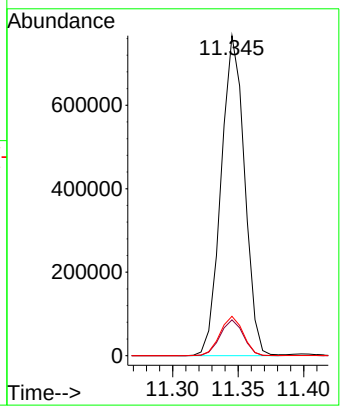


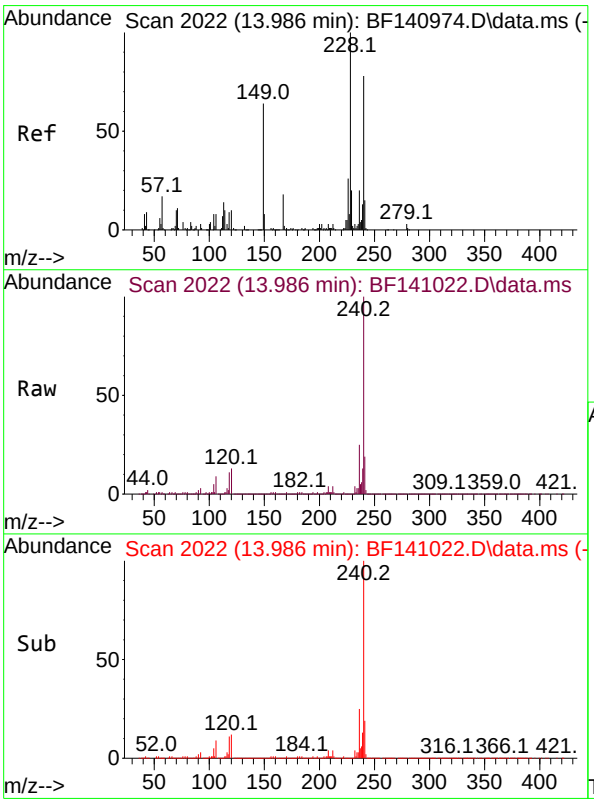
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141022.D
Acq: 30 Dec 2024 10:43

Instrument :
BNA_F
ClientSampleId :
PB165858TB

Tgt Ion:188 Resp: 953209

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.0	13.6
80	12.3	9.8	14.6

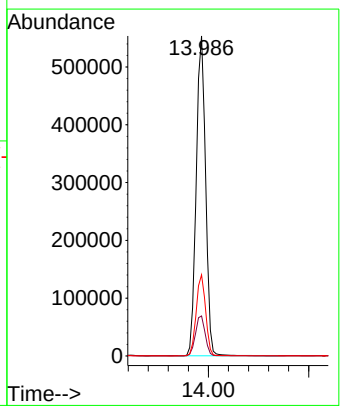


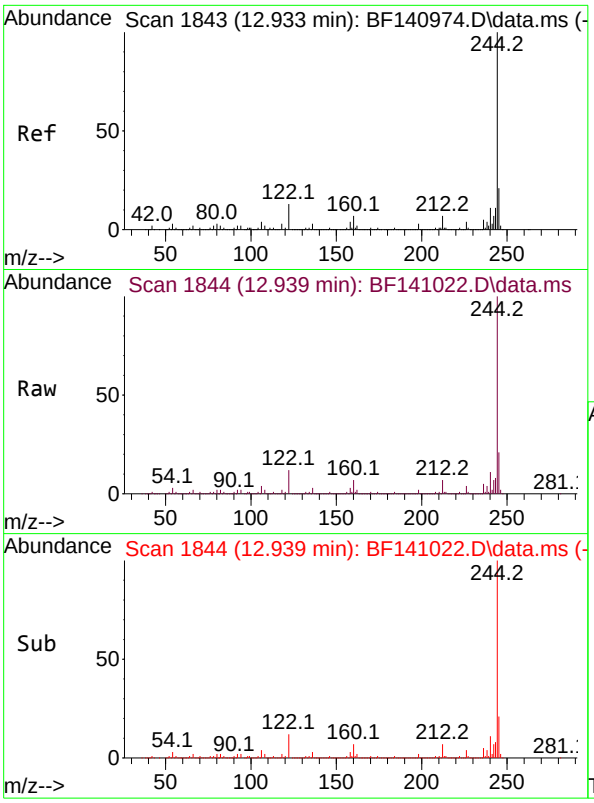


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141022.D
Acq: 30 Dec 2024 10:43

Tgt Ion:240 Resp: 718934

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.7	16.1
236	25.3	20.6	31.0



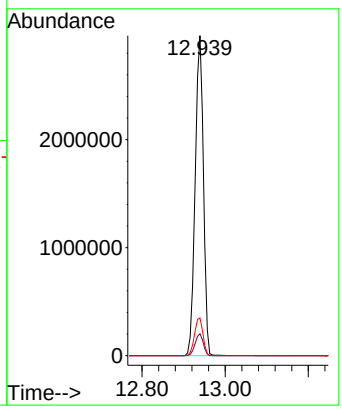


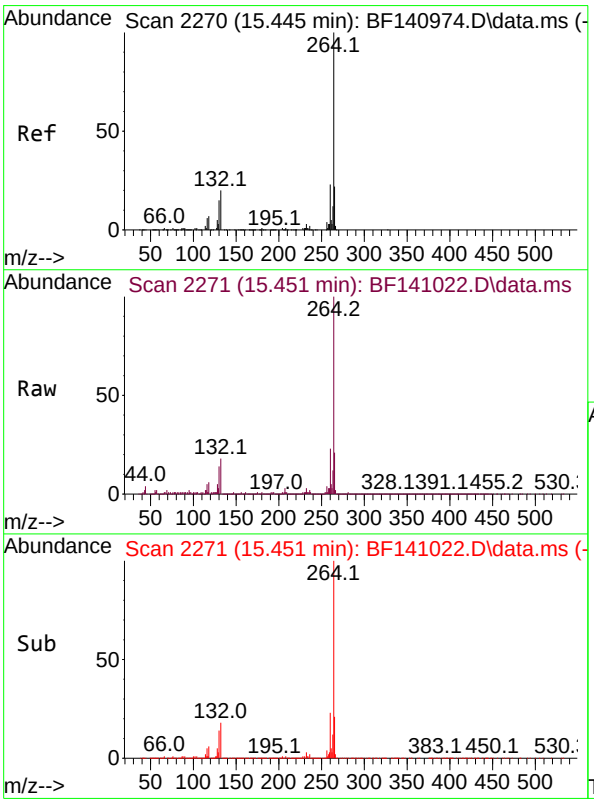
#79
Terphenyl-d14
Concen: 94.112 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141022.D
Acq: 30 Dec 2024 10:43

Instrument :
BNA_F
ClientSampleId :
PB165858TB

Tgt Ion:244 Resp: 4073487

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	11.8	10.2	15.2

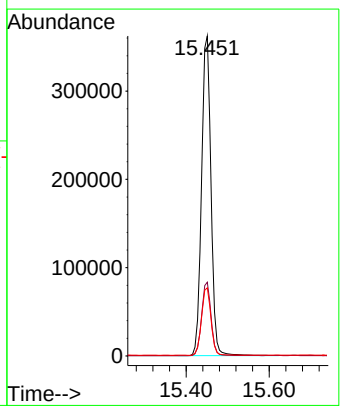




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF141022.D
Acq: 30 Dec 2024 10:43

Tgt Ion:264 Resp: 570504

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.3	17.4	26.2



CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Dec 27 00:31:16 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140970.D 5 =BF140971.D 10 =BF140972.D 20 =BF140973.D 40 =BF140974.D 50 =BF140975.D 60 =BF140976.D 80 =BF1409
77.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.630	0.621	0.624	0.597	0.587	0.588	0.559	0.601	4.26
3)		Pyridine		1.621	1.563	1.581	1.437	1.394	1.372	1.308	1.468	8.18
4)		n-Nitrosodimet...		0.755	0.738	0.778	0.745	0.742	0.742	0.707	0.744	2.86
5)	S	2-Fluorophenol		1.502	1.422	1.423	1.293	1.258	1.233	1.155	1.327	9.39
6)		Aniline		1.709	1.702	1.732	1.615	1.480	1.306	1.126	1.524	15.28
7)	S	Phenol-d6		1.910	1.839	1.811	1.667	1.625	1.613	1.500	1.709	8.60
8)		2-Chlorophenol		1.556	1.484	1.483	1.386	1.337	1.319	1.227	1.399	8.21
9)		Benzaldehyde			1.193	1.089	0.861	0.792	0.768		0.941	20.16
10)	C	Phenol		1.956	1.880	1.866	1.744	1.683	1.694	1.549	1.767	7.97
11)		bis(2-Chloroet...		1.543	1.479	1.449	1.363	1.416	1.380	1.358	1.427	4.77
12)		1,3-Dichlorobe...		1.736	1.665	1.649	1.516	1.462	1.436	1.342	1.544	9.24
13)	C	1,4-Dichlorobe...		1.749	1.690	1.662	1.517	1.477	1.440	1.359	1.556	9.33
14)		1,2-Dichlorobe...		1.660	1.589	1.562	1.416	1.366	1.328	1.235	1.451	10.72
15)		Benzyl Alcohol		1.333	1.275	1.298	1.226	1.199	1.172	1.095	1.228	6.63
16)		2,2'-oxybis(1-...		2.420	2.317	2.313	2.112	2.048	2.016	1.882	2.158	9.04
17)		2-Methylphenol		1.250	1.208	1.226	1.151	1.125	1.109	1.066	1.162	5.83
18)		Hexachloroethane		0.587	0.573	0.584	0.544	0.538	0.537	0.508	0.553	5.30
19)	P	n-Nitroso-di-n...	1.133	1.140	1.127	1.079	1.008	0.988	0.983	0.918	1.047	8.01
20)		3+4-Methylphenols		1.644	1.624	1.598	1.452	1.387	1.354	1.235	1.471	10.61
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.575	0.535	0.521	0.470	0.459	0.454	0.421	0.491	11.02
23)	S	Nitrobenzene-d5		0.244	0.277	0.321	0.327	0.338	0.349	0.333	0.313	12.18
24)		Nitrobenzene		0.288	0.319	0.364	0.367	0.371	0.379	0.358	0.349	9.54
25)		Isophorone		0.744	0.706	0.714	0.657	0.654	0.659	0.628	0.680	6.09
26)	C	2-Nitrophenol		0.067	0.080	0.107	0.127	0.142	0.151	0.152	0.118	29.26
27)		2,4-Dimethylph...		0.268	0.255	0.260	0.241	0.241	0.244	0.230	0.249	5.21
28)		bis(2-Chloroet...		0.477	0.462	0.462	0.415	0.412	0.405	0.384	0.431	8.27
29)	C	2,4-Dichloroph...		0.286	0.289	0.295	0.278	0.281	0.281	0.264	0.282	3.41
30)		1,2,4-Trichlor...		0.354	0.335	0.337	0.312	0.304	0.306	0.286	0.319	7.39
31)		Naphthalene		1.209	1.154	1.142	1.020	0.989	0.971	0.892	1.054	10.96
32)		Benzoic acid			0.099	0.152	0.178	0.198	0.221	0.222	0.178	26.55
33)		4-Chloroaniline		0.414	0.398	0.404	0.367	0.368	0.367	0.351	0.381	6.20
34)	C	Hexachlorobuta...		0.208	0.199	0.196	0.182	0.181	0.182	0.170	0.188	7.08
35)		Caprolactam		0.098	0.095	0.100	0.094	0.094	0.095	0.094	0.096	2.37
36)	C	4-Chloro-3-met...		0.330	0.320	0.327	0.309	0.304	0.309	0.293	0.313	4.24
37)		2-Methylnaphth...		0.772	0.740	0.732	0.642	0.629	0.623	0.581	0.674	10.77
38)		1-Methylnaphth...		0.767	0.722	0.710	0.635	0.618	0.615	0.571	0.663	10.71

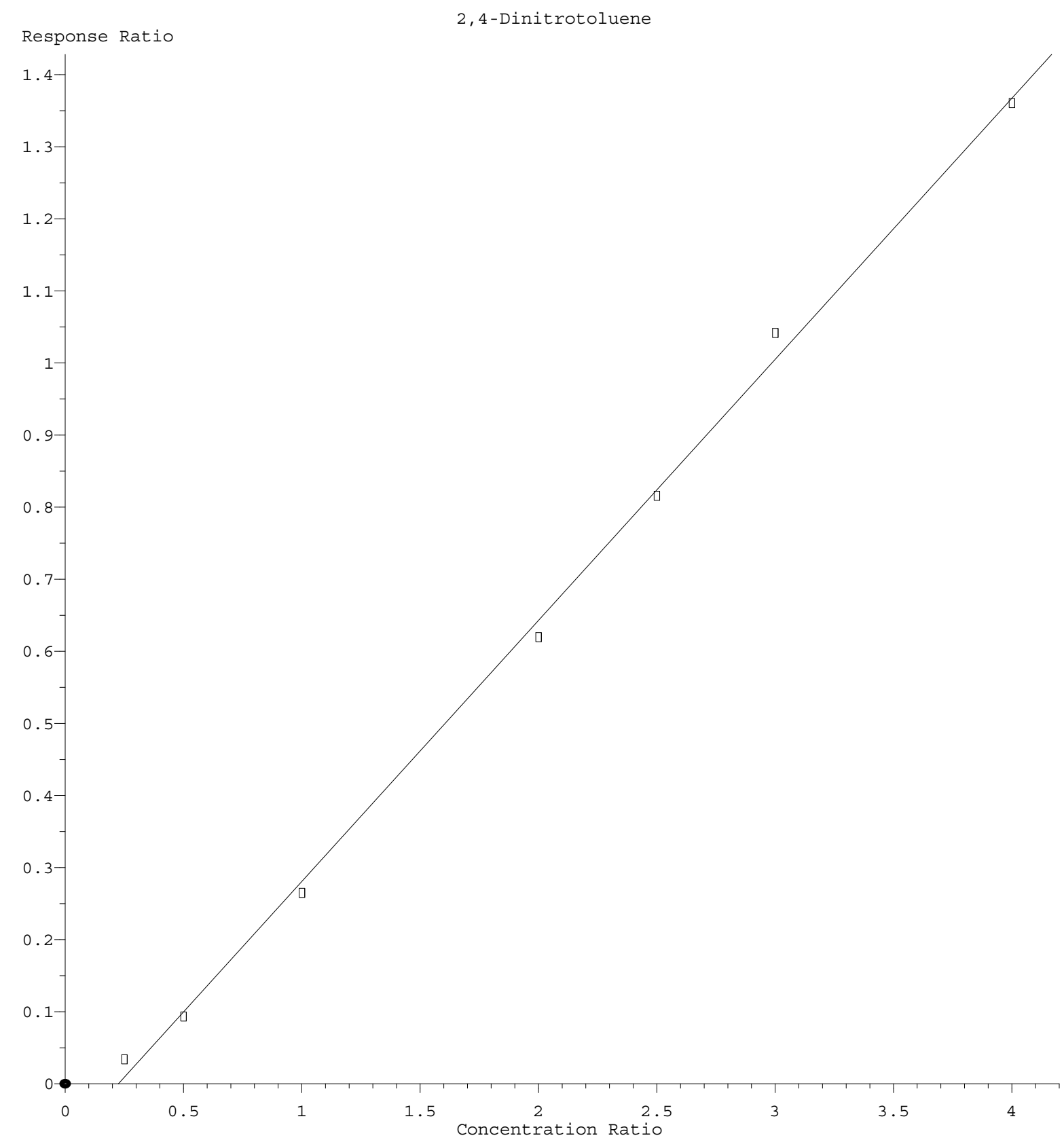
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122624.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.602	0.586	0.586	0.535	0.527	0.526	0.491	0.550	7.46
41)	P	Hexachlorocycl...	0.165	0.176	0.189	0.187	0.189	0.190	0.180	0.182	5.03
42)	S	2,4,6-Tribromo...	0.177	0.189	0.203	0.196	0.198	0.199	0.199	0.194	4.59
43)	C	2,4,6-Trichlor...	0.354	0.356	0.398	0.364	0.356	0.381	0.354	0.366	4.59
44)		2,4,5-Trichlor...	0.371	0.389	0.377	0.380	0.386	0.365	0.355	0.375	3.15
45)	S	2-Fluorobiphenyl	1.546	1.452	1.378	1.175	1.129	1.102	1.006	1.255	16.12
46)		1,1'-Biphenyl	1.776	1.696	1.651	1.479	1.421	1.406	1.291	1.531	11.60
47)		2-Chloronaphth...	1.362	1.293	1.270	1.140	1.115	1.104	1.031	1.188	10.15
48)		2-Nitroaniline	0.139	0.182	0.248	0.288	0.306	0.329	0.325	0.259	28.48
49)		Acenaphthylene	1.934	1.869	1.824	1.654	1.619	1.590	1.477	1.710	9.80
50)		Dimethylphthalate	1.438	1.414	1.389	1.285	1.246	1.251	1.186	1.316	7.39
51)		2,6-Dinitrotol...	0.128	0.173	0.233	0.256	0.269	0.279	0.276	0.231	25.17
52)	C	Acenaphthene	1.289	1.240	1.229	1.119	1.096	1.091	1.027	1.156	8.36
53)		3-Nitroaniline	0.153	0.197	0.260	0.281	0.289	0.304	0.299	0.255	22.59
54)	P	2,4-Dinitrophenol		0.037	0.053	0.072	0.086	0.098	0.105	0.075	35.03
55)		Dibenzofuran	1.857	1.780	1.743	1.565	1.523	1.513	1.389	1.624	10.47
56)	P	4-Nitrophenol		0.166	0.213	0.229	0.237	0.253	0.251	0.225	14.45
57)		2,4-Dinitrotol...	0.136	0.187	0.265	0.310	0.326	0.347	0.340	0.273	30.14
58)		Fluorene	1.497	1.432	1.351	1.192	1.146	1.135	1.065	1.260	13.19
59)		2,3,4,6-Tetrac...	0.303	0.303	0.327	0.314	0.307	0.316	0.302	0.310	3.01
60)		Diethylphthalate	1.433	1.386	1.369	1.266	1.230	1.232	1.175	1.299	7.47
61)		4-Chlorophenyl...	0.700	0.673	0.653	0.579	0.560	0.557	0.521	0.606	11.29
62)		4-Nitroaniline	0.156	0.203	0.257	0.278	0.290	0.301	0.301	0.255	21.73
63)		Azobenzene	1.502	1.465	1.448	1.319	1.295	1.293	1.220	1.363	7.85
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.033	0.051	0.066	0.078	0.085	0.089	0.067	32.70
66)	c	n-Nitrosodiphe...	0.712	0.675	0.668	0.605	0.594	0.595	0.558	0.630	8.83
67)		4-Bromophenyl-...	0.235	0.229	0.228	0.213	0.212	0.199	0.197	0.216	7.03
68)		Hexachlorobenzene	0.261	0.247	0.249	0.232	0.231	0.229	0.220	0.238	5.96
69)		Atrazine	0.218	0.205	0.189	0.156	0.147	0.140		0.176	18.49
70)	C	Pentachlorophenol	0.122	0.137	0.154	0.155	0.156	0.161	0.154	0.148	9.37
71)		Phenanthrene	1.221	1.168	1.129	1.005	0.982	0.958	0.907	1.053	11.29
72)		Anthracene	1.187	1.136	1.113	0.991	0.963	0.945	0.884	1.031	11.01
73)		Carbazole	1.138	1.093	1.076	0.947	0.923	0.907	0.857	0.992	10.97
74)		Di-n-butylphth...	1.248	1.238	1.237	1.083	1.054	1.044	0.990	1.128	9.70
75)	C	Fluoranthene	1.333	1.274	1.242	1.091	1.050	1.035	0.966	1.142	12.26
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.422	0.333	0.437	0.415	0.438	0.512	0.402	0.423	12.62
78)		Pyrene	1.754	1.670	1.701	1.692	1.783	1.841	1.803	1.749	3.63
79)	S	Terphenyl-d14	1.275	1.181	1.188	1.141	1.194	1.240	1.209	1.204	3.59
80)		Butylbenzylpht...	0.532	0.571	0.640	0.656	0.684	0.710	0.679	0.639	10.11
81)		Benzo(a)anthra...	1.573	1.452	1.437	1.369	1.340	1.335	1.251	1.394	7.44
82)		3,3'-Dichlorob...	0.474	0.455	0.455	0.403	0.382	0.386	0.377	0.419	9.76
83)		Chrysene	1.341	1.330	1.327	1.208	1.194	1.207	1.190	1.257	5.68
84)		Bis(2-ethylhex...	0.822	0.842	0.859	0.820	0.827	0.837	0.793	0.828	2.49
85)	c	Di-n-octyl pht...	1.157	1.231	1.253	1.199	1.170	1.193	1.191	1.199	2.76

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122624.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.050	1.009	1.224	1.311	1.397	1.438	1.391	1.260	13.71
88)		Benzo(b)fluora...	1.360	1.564	1.479	1.417	1.306	1.362	1.275	1.395	7.20
89)		Benzo(k)fluora...	1.165	1.121	1.301	1.065	1.073	1.016	0.911	1.093	11.17
90)	C	Benzo(a)pyrene	1.146	1.108	1.137	1.069	1.047	1.065	1.007	1.083	4.63
91)		Dibenzo(a,h)an...	0.847	0.829	0.992	1.070	1.127	1.165	1.120	1.021	13.38
92)		Benzo(g,h,i)pe...	0.825	0.811	1.023	1.126	1.194	1.243	1.194	1.059	16.91

(#) = Out of Range



Response = 3.623e-001 * Amt - 8.150e-002
Coef of Det (r^2) = 0.998082 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M
Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140970.D
Acq On : 26 Dec 2024 16:23
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Dec 26 23:46:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	280508	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1109803	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	601920	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	1050286	20.000	ng	0.00
76) Chrysene-d12	13.980	240	837900	20.000	ng	0.00
86) Perylene-d12	15.445	264	873226	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...	7.228	70	39726	2.934	ng	97

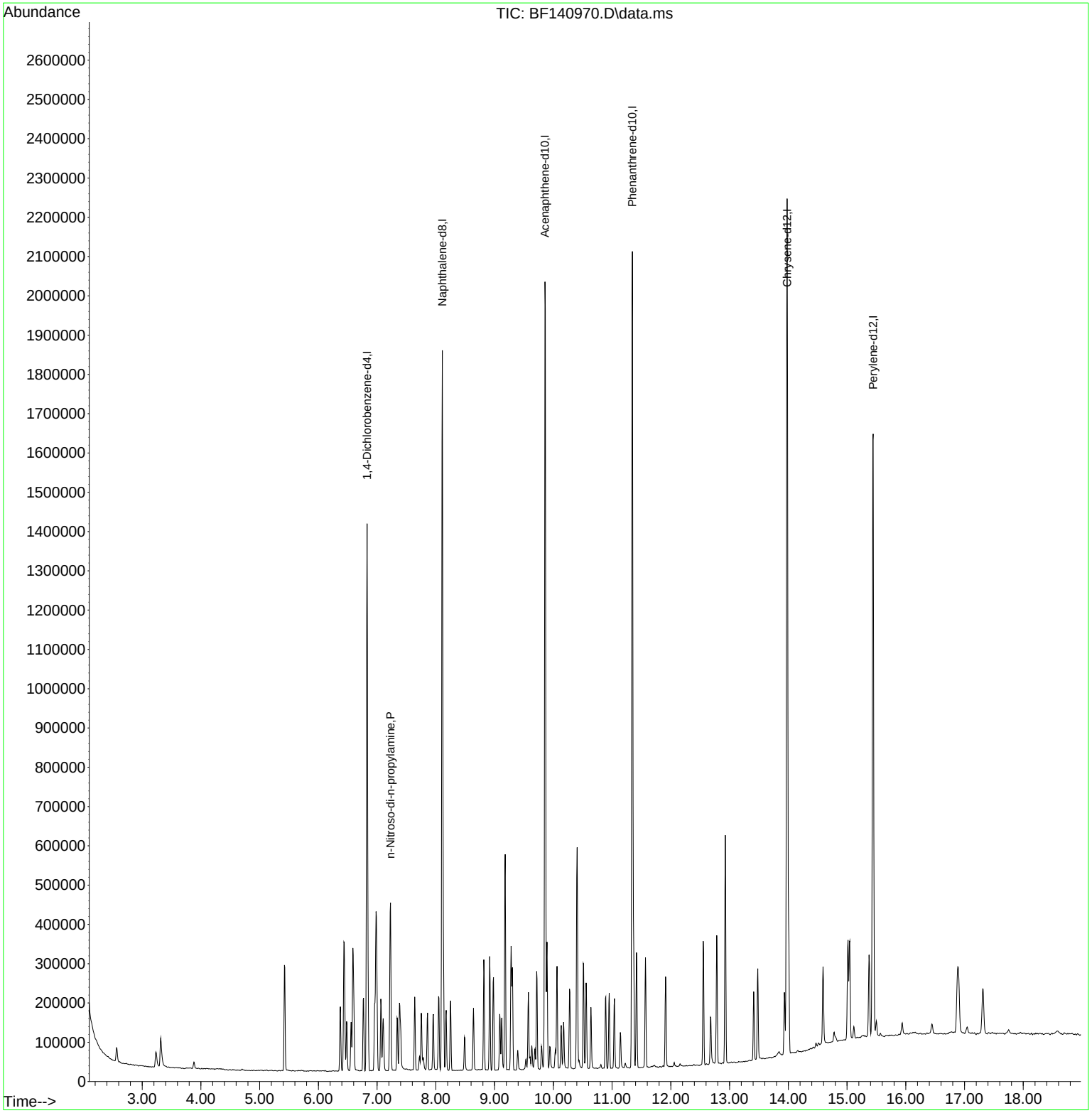
(#) = qualifier out of range (m) = manual integration (+) = signals summed

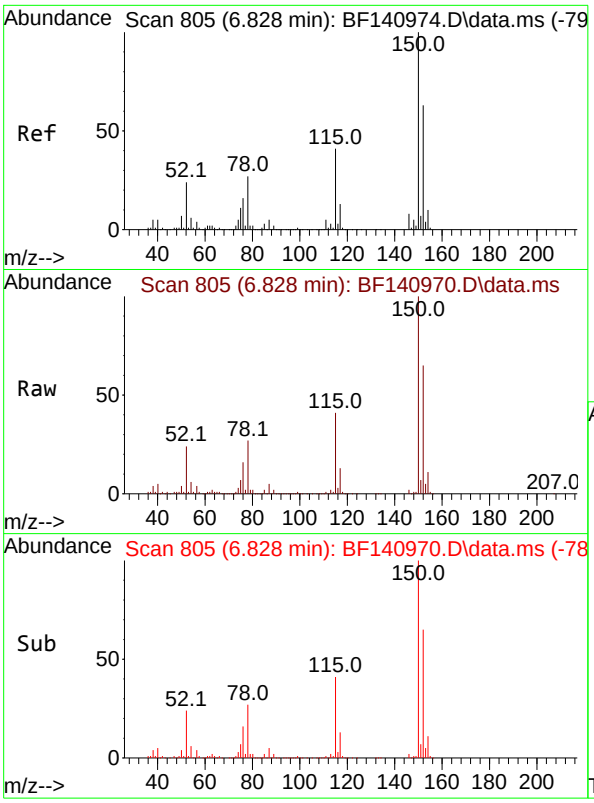
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140970.D
Acq On : 26 Dec 2024 16:23
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Dec 26 23:46:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration



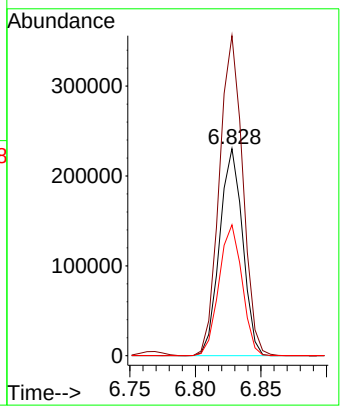


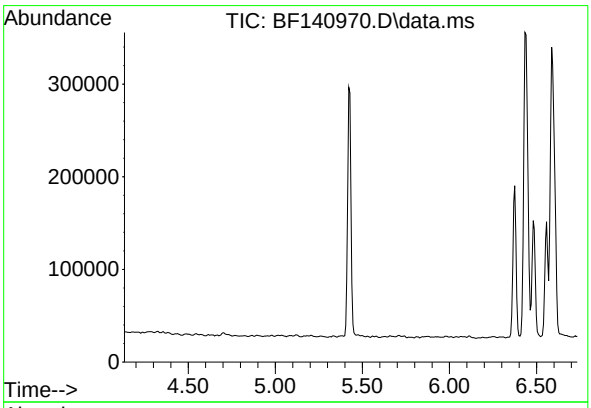
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 280508

Ion	Ratio	Lower	Upper
152	100		
150	154.5	127.0	190.6
115	63.2	51.7	77.5



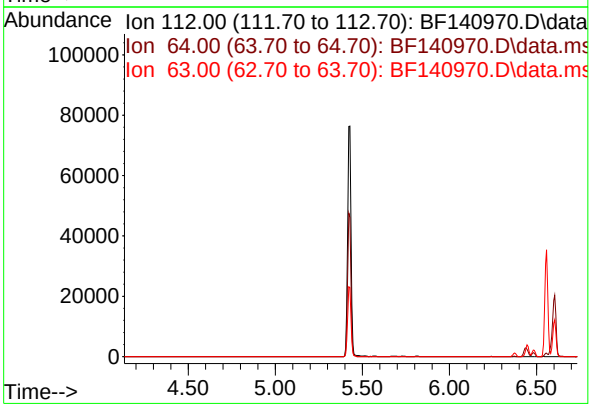


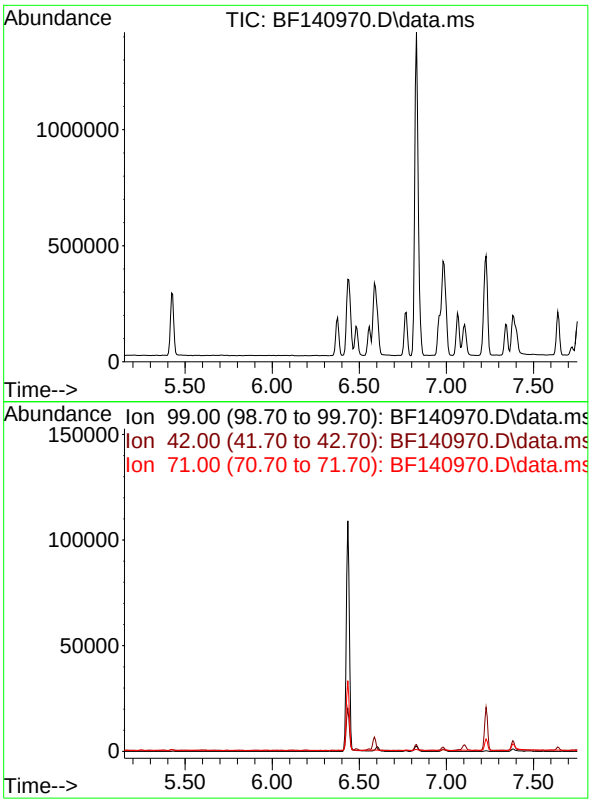
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.43 min

Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	59.6
63	30.2





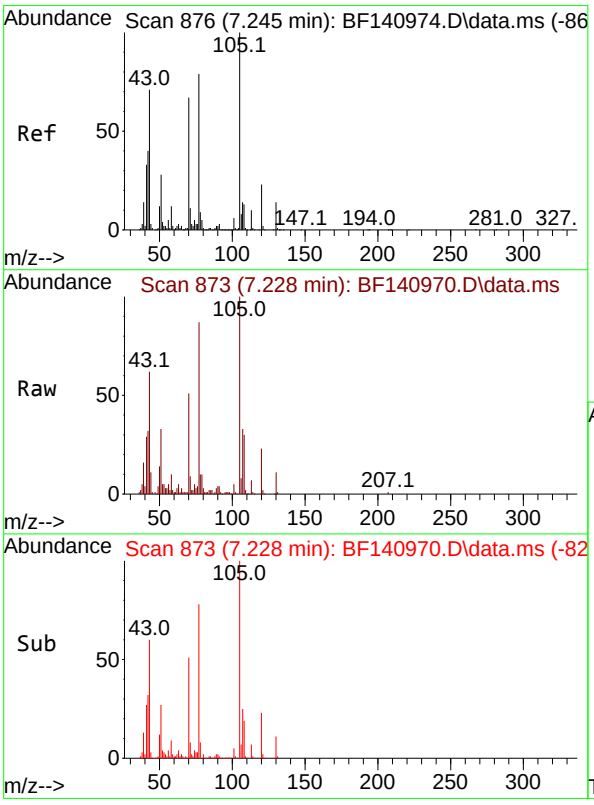
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.45 min

Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

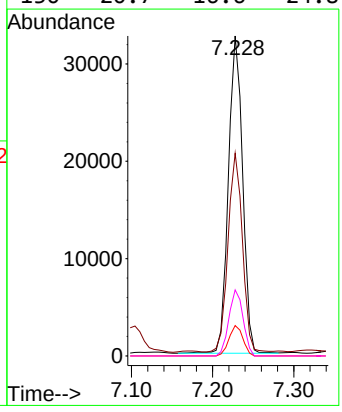
Sig	Exp Ratio
99	100
42	18.7
71	32.7

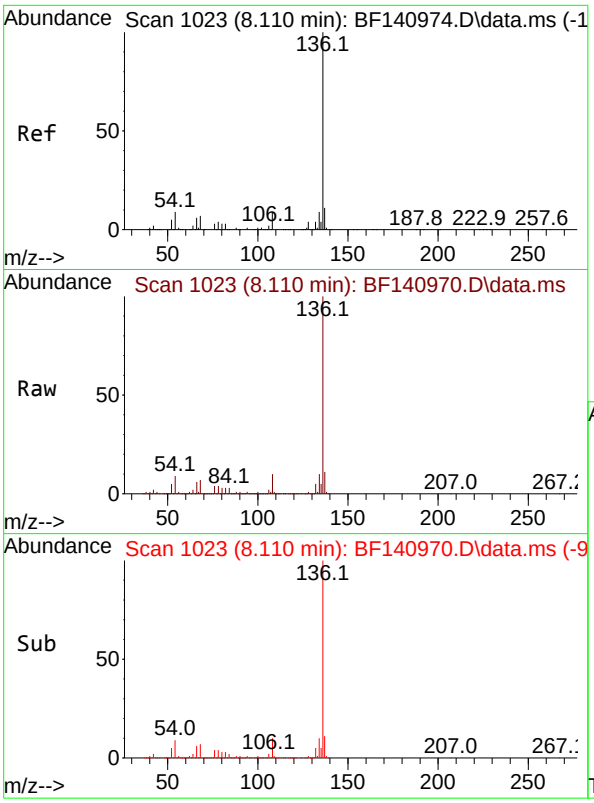


#19
n-Nitroso-di-n-propylamine
Concen: 2.934 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.018 min
Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Tgt Ion: 70 Resp: 39726

Ion	Ratio	Lower	Upper
70	100		
42	63.4	48.1	72.1
101	9.5	7.6	11.4
130	20.7	16.6	24.8



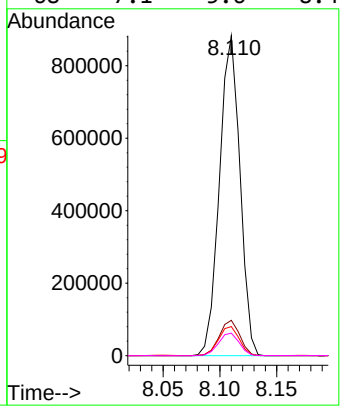


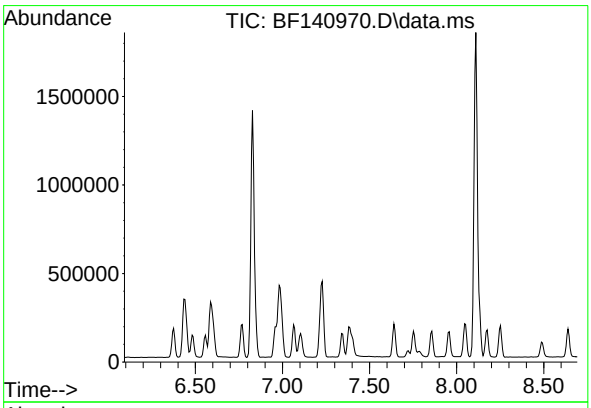
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1109803

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.1	7.6	11.4
68	7.1	5.6	8.4



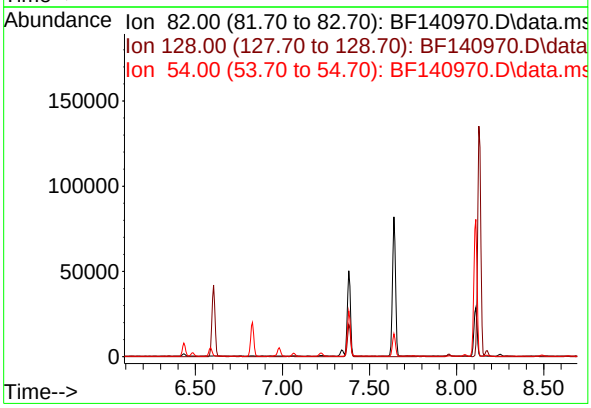


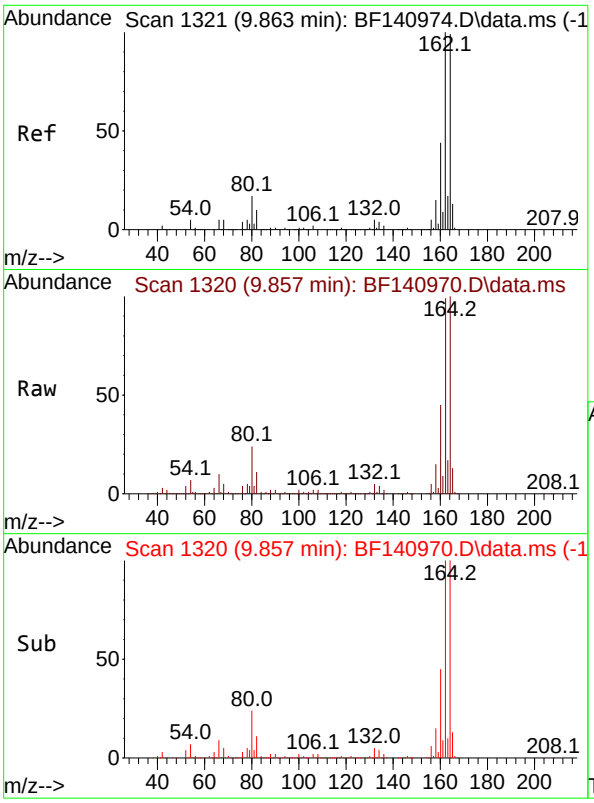
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.39 min

Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	43.0
54	53.0



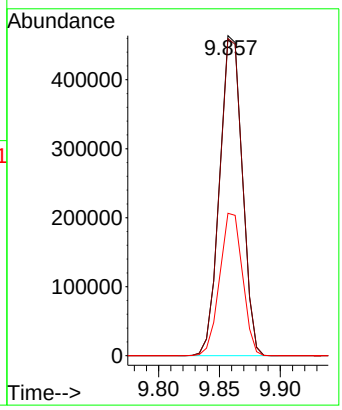


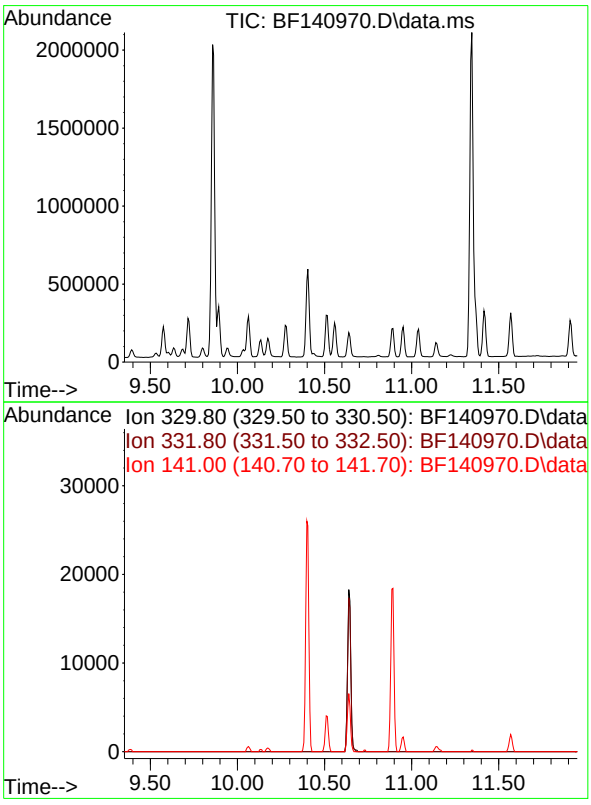
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 601920

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.6	120.8
160	44.5	35.7	53.5



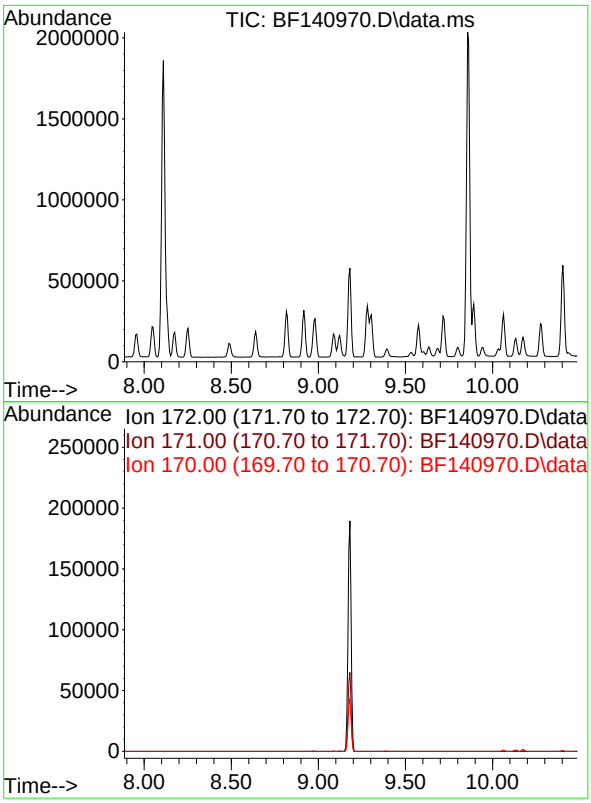


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.65 min

Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	33.0



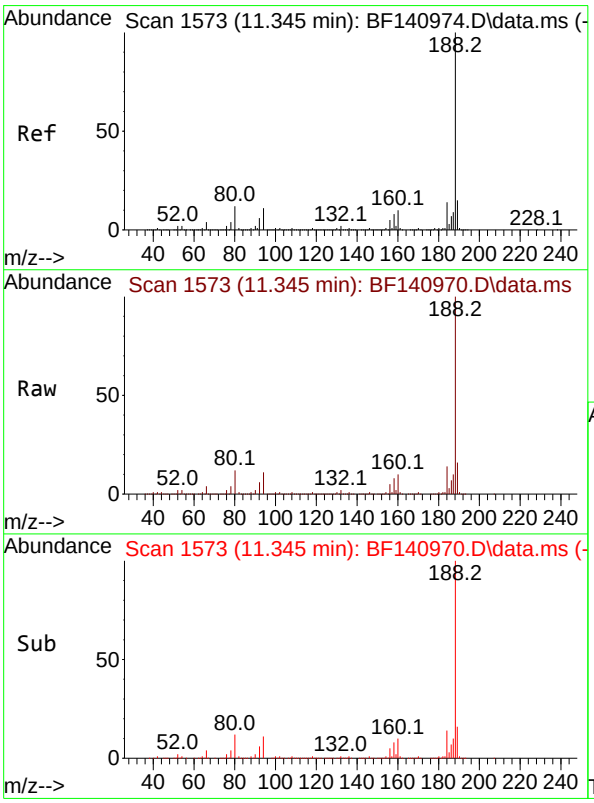
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.19 min

Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

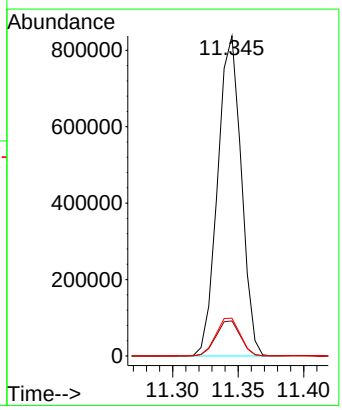
Sig	Exp Ratio
172	100
171	36.2
170	24.5

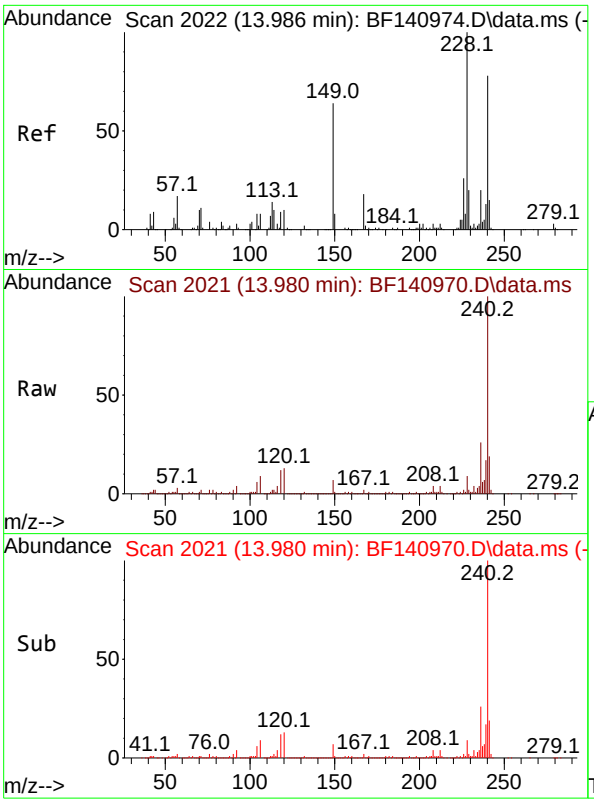


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Tgt Ion:188 Resp: 1050286

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.0	13.6
80	11.8	9.8	14.6



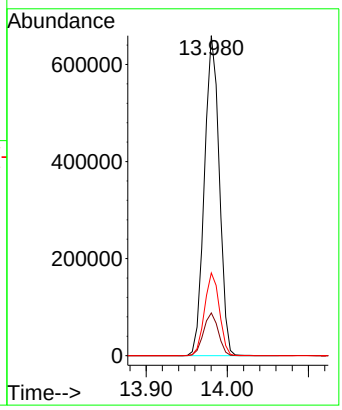


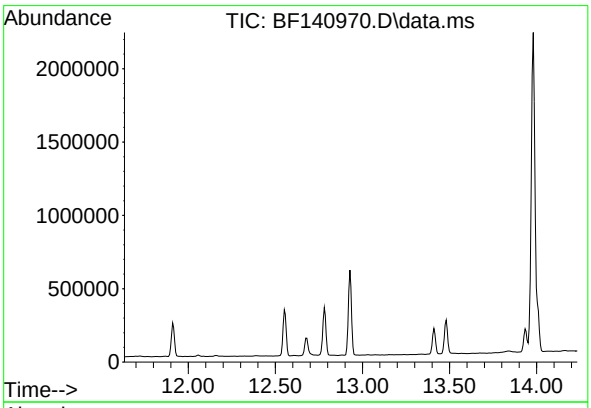
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 837900

Ion	Ratio	Lower	Upper
240	100		
120	13.4	10.7	16.1
236	25.8	20.6	31.0



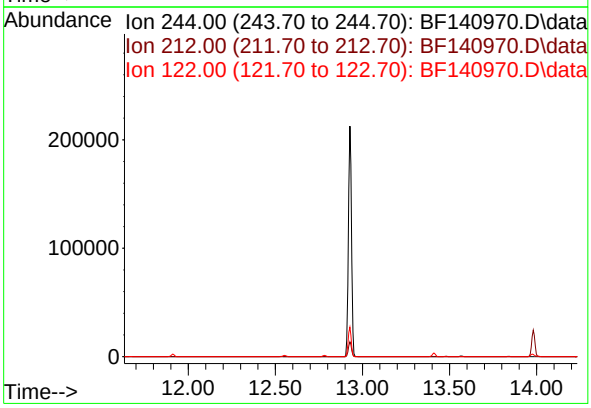


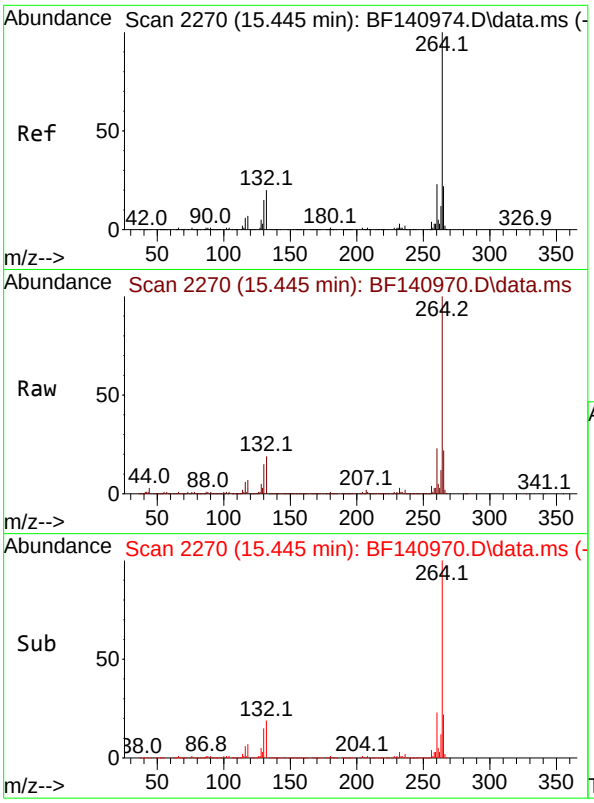
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.93 min

Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.1
122	12.7



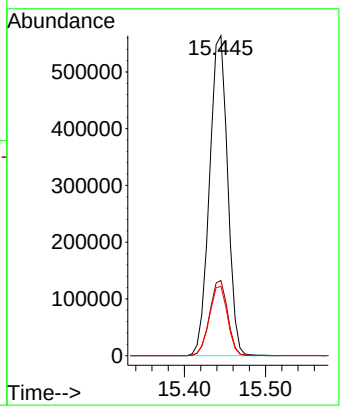


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 873226

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.6	17.4	26.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140971.D
Acq On : 26 Dec 2024 16:49
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Dec 27 00:16:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.828	152	244397	20.000	ng		0.00
21) Naphthalene-d8	8.110	136	981263	20.000	ng		0.00
39) Acenaphthene-d10	9.857	164	532506	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	938555	20.000	ng		0.00
76) Chrysene-d12	13.980	240	749775	20.000	ng		0.00
86) Perylene-d12	15.445	264	730672	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	183577	11.323	ng		0.00
7) Phenol-d6	6.434	99	233457	11.178	ng		-0.02
23) Nitrobenzene-d5	7.381	82	119635	7.800	ng		-0.01
42) 2,4,6-Tribromophenol	10.639	330	47007	9.085	ng		-0.01
45) 2-Fluorobiphenyl	9.181	172	411497	12.312	ng		0.00
79) Terphenyl-d14	12.927	244	477948	10.588	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.563	88	38472	5.241	ng		97
3) Pyridine	3.310	79	99046	5.521	ng		97
4) n-Nitrosodimethylamine	3.234	42	46147	5.077	ng	#	96
6) Aniline	6.487	93	104416	5.605	ng		98
8) 2-Chlorophenol	6.604	128	95096	5.563	ng		97
10) Phenol	6.451	94	119516	5.534	ng		96
11) bis(2-Chloroethyl)ether	6.557	93	94288	5.412	ng		98
12) 1,3-Dichlorobenzene	6.769	146	106038	5.621	ng		99
13) 1,4-Dichlorobenzene	6.845	146	106890	5.621	ng		98
14) 1,2-Dichlorobenzene	6.998	146	101438	5.721	ng		97
15) Benzyl Alcohol	6.957	79	81438	5.426	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.104	45	147834	5.606	ng		99
17) 2-Methylphenol	7.063	107	76369	5.378	ng		100
18) Hexachloroethane	7.340	117	35891	5.313	ng		95
19) n-Nitroso-di-n-propyla...	7.228	70	69676	5.445	ng		97
20) 3+4-Methylphenols	7.216	107	100457	5.590	ng		93
22) Acetophenone	7.228	105	140966	5.856	ng		99
24) Nitrobenzene	7.398	77	70606	4.120	ng		97
25) Isophorone	7.640	82	182478	5.467	ng		98
26) 2-Nitrophenol	7.722	139	16400	7.379	ng		96
27) 2,4-Dimethylphenol	7.751	122	65753	5.391	ng		98
28) bis(2-Chloroethoxy)met...	7.857	93	117023	5.534	ng		97
29) 2,4-Dichlorophenol	7.957	162	70187	5.074	ng		100
30) 1,2,4-Trichlorobenzene	8.051	180	86885	5.549	ng		99
31) Naphthalene	8.128	128	296471	5.734	ng		98
33) 4-Chloroaniline	8.175	127	101675	5.435	ng		98
34) Hexachlorobutadiene	8.251	225	51022	5.527	ng		98
35) Caprolactam	8.492	113	23997	5.102	ng		97
36) 4-Chloro-3-methylphenol	8.639	107	80975	5.271	ng		98
37) 2-Methylnaphthalene	8.816	142	189400	5.726	ng		99
38) 1-Methylnaphthalene	8.916	142	188155	5.788	ng		100
40) 1,2,4,5-Tetrachloroben...	8.981	216	80086	5.467	ng		98
41) Hexachlorocyclopentadiene	8.975	237	21995	4.531	ng		99
43) 2,4,6-Trichlorophenol	9.086	196	47166	4.837	ng		99
44) 2,4,5-Trichlorophenol	9.122	196	49432	4.955	ng		99
46) 1,1'-Biphenyl	9.281	154	236377	5.797	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140971.D
Acq On : 26 Dec 2024 16:49
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Dec 27 00:16:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47)	2-Chloronaphthalene	9.304	162	181255	5.732	ng		97
48)	2-Nitroaniline	9.392	65	18450	6.658	ng		95
49)	Acenaphthylene	9.716	152	257474	5.656	ng		98
50)	Dimethylphthalate	9.575	163	191408	5.465	ng		99
51)	2,6-Dinitrotoluene	9.634	165	17091	5.865	ng		88
52)	Acenaphthene	9.892	154	171603	5.576	ng		99
53)	3-Nitroaniline	9.798	138	20408	5.713	ng	#	85
55)	Dibenzofuran	10.063	168	247167	5.715	ng		97
57)	2,4-Dinitrotoluene	10.033	165	18052	6.371	ng	#	85
58)	Fluorene	10.404	166	199322	5.943	ng		100
59)	2,3,4,6-Tetrachlorophenol	10.175	232	40337	4.882	ng		100
60)	Diethylphthalate	10.275	149	190810	5.518	ng		99
61)	4-Chlorophenyl-phenyle...	10.398	204	93161	5.773	ng		100
62)	4-Nitroaniline	10.404	138	20793	5.839	ng	#	78
63)	Azobenzene	10.557	77	199905	5.508	ng		99
66)	n-Nitrosodiphenylamine	10.516	169	167108	5.654	ng		100
67)	4-Bromophenyl-phenylether	10.892	248	55213	5.442	ng		99
68)	Hexachlorobenzene	10.951	284	61339	5.483	ng		98
69)	Atrazine	11.039	200	51263	6.209	ng		98
70)	Pentachlorophenol	11.139	266	28530	4.096	ng		97
71)	Phenanthrene	11.369	178	286441	5.799	ng		98
72)	Anthracene	11.416	178	278610	5.756	ng		98
73)	Carbazole	11.569	167	267065	5.740	ng		99
74)	Di-n-butylphthalate	11.910	149	292755	5.532	ng		99
75)	Fluoranthene	12.551	202	312668	5.836	ng		99
77)	Benzidine	12.674	184	79065	4.990	ng		99
78)	Pyrene	12.780	202	328787	5.014	ng		98
80)	Butylbenzylphthalate	13.410	149	99667	4.162	ng		96
81)	Benzo(a)anthracene	13.969	228	294772	5.641	ng		99
82)	3,3'-Dichlorobenzidine	13.933	252	88822	5.658	ng		98
83)	Chrysene	14.010	228	251288	5.335	ng		98
84)	Bis(2-ethylhexyl)phtha...	13.974	149	154045	4.960	ng		99
85)	Di-n-octyl phthalate	14.592	149	216905	4.825	ng		99
87)	Indeno(1,2,3-cd)pyrene	16.880	276	191761	4.166	ng		99
88)	Benzo(b)fluoranthene	15.016	252	248464	4.876	ng		100
89)	Benzo(k)fluoranthene	15.045	252	212890	5.330	ng		99
90)	Benzo(a)pyrene	15.374	252	209418	5.294	ng		98
91)	Dibenzo(a,h)anthracene	16.904	278	154741	4.147	ng		99
92)	Benzo(g,h,i)perylene	17.315	276	150669	3.893	ng		99

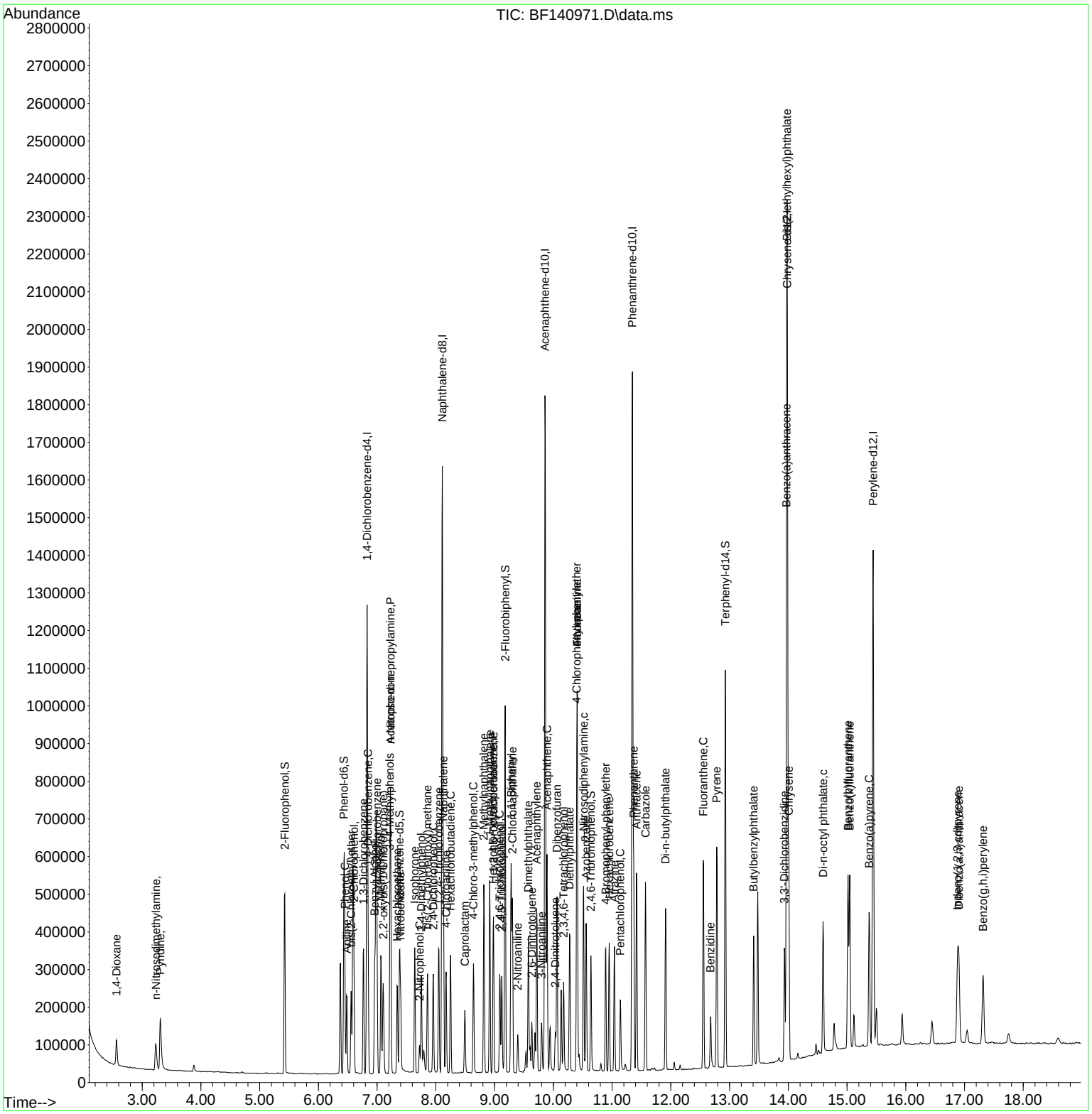
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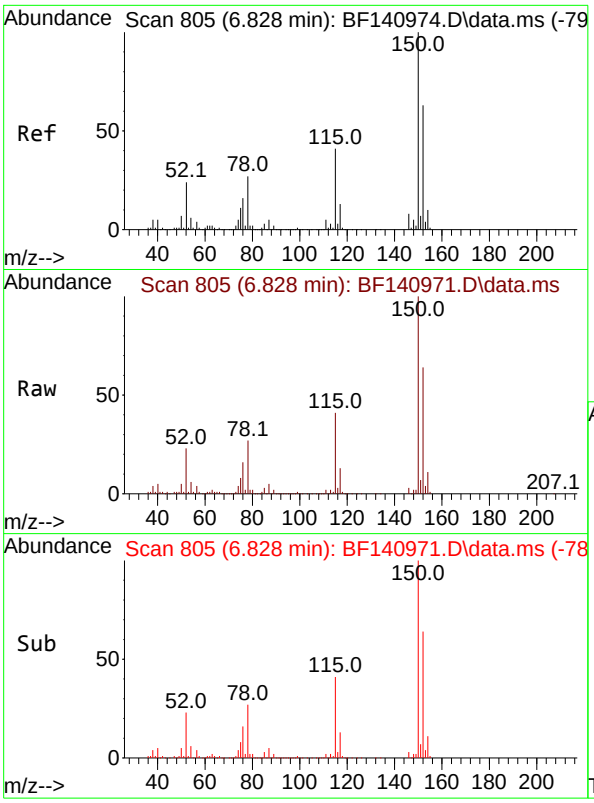
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140971.D
Acq On : 26 Dec 2024 16:49
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Dec 27 00:16:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration



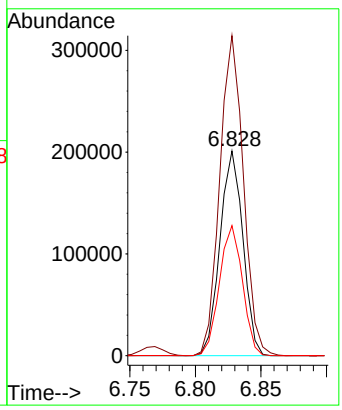


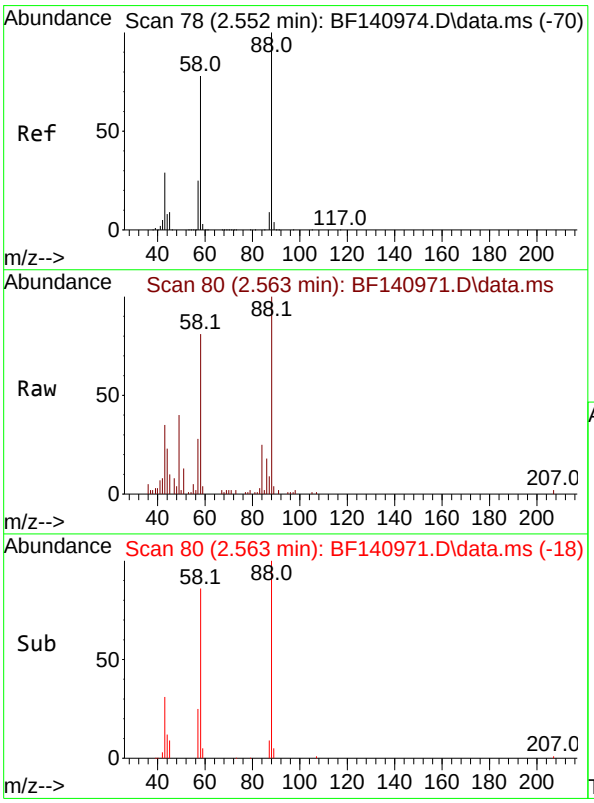
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 244397

Ion	Ratio	Lower	Upper
152	100		
150	156.4	127.0	190.6
115	63.6	51.7	77.5

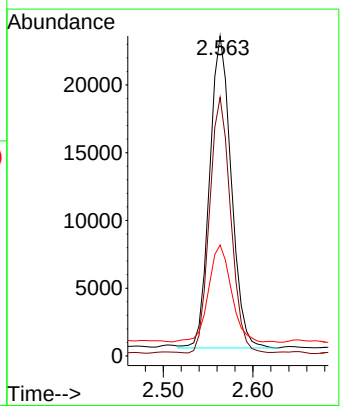


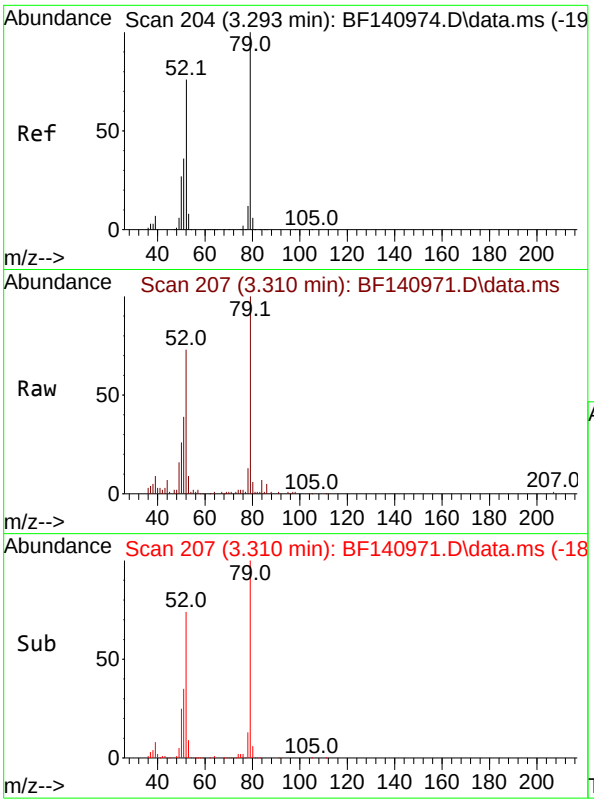


#2
1,4-Dioxane
Concen: 5.241 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 88 Resp: 38472

Ion	Ratio	Lower	Upper
88	100		
58	80.0	63.0	94.4
43	33.0	23.4	35.2



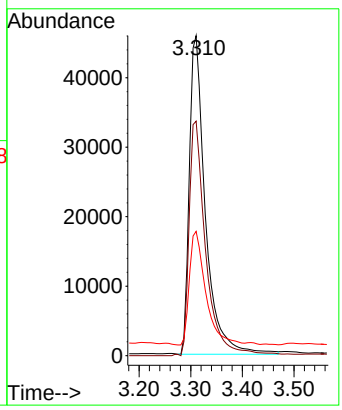


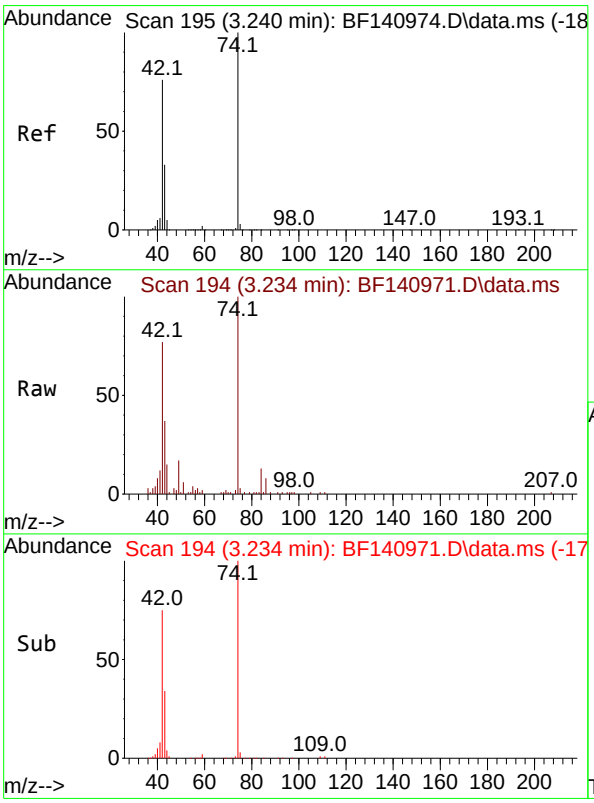
#3
Pyridine
Concen: 5.521 ng
RT: 3.310 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 99046

Ion	Ratio	Lower	Upper
79	100		
52	73.3	60.4	90.6
51	38.9	28.8	43.2

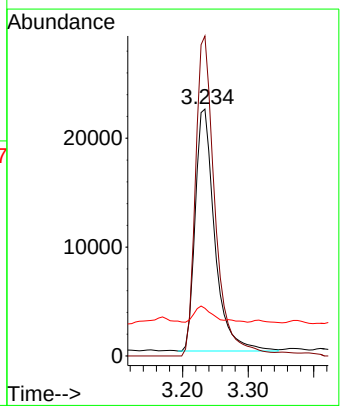


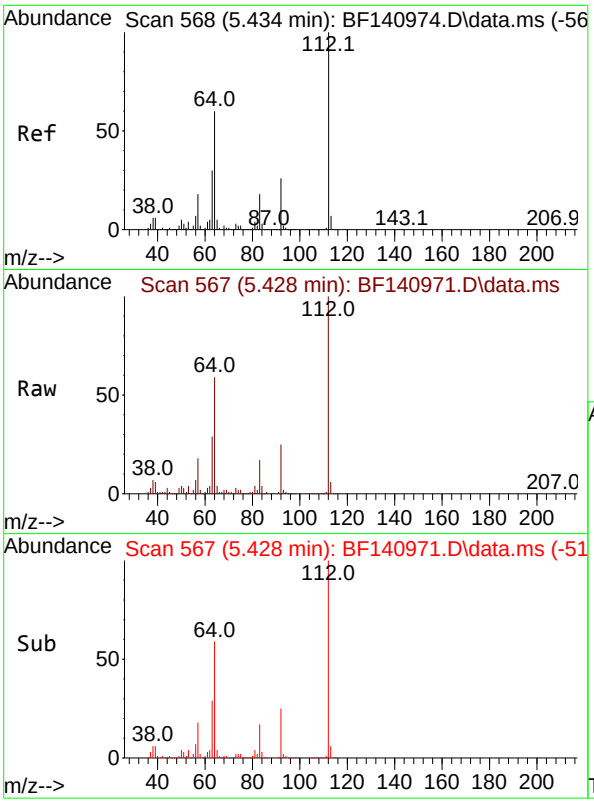


#4
n-Nitrosodimethylamine
Concen: 5.077 ng
RT: 3.234 min Scan# 194
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 42 Resp: 46147

Ion	Ratio	Lower	Upper
42	100		
74	129.6	105.8	158.6
44	19.3	6.6	10.0#



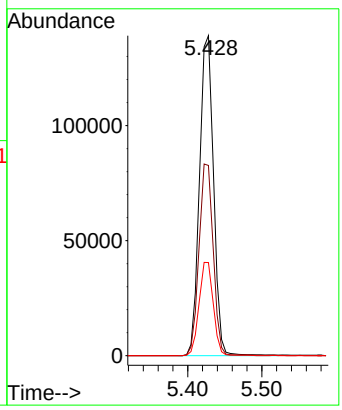


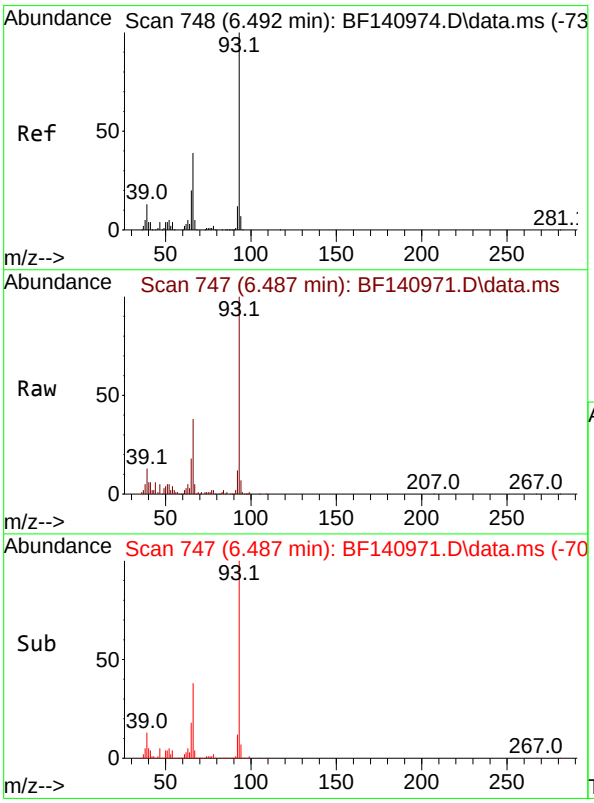
#5
2-Fluorophenol
Concen: 11.323 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 183577

Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.7	71.5
63	29.1	24.2	36.2

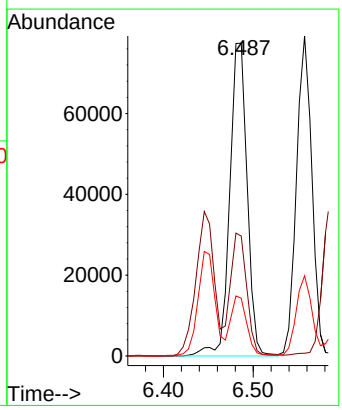


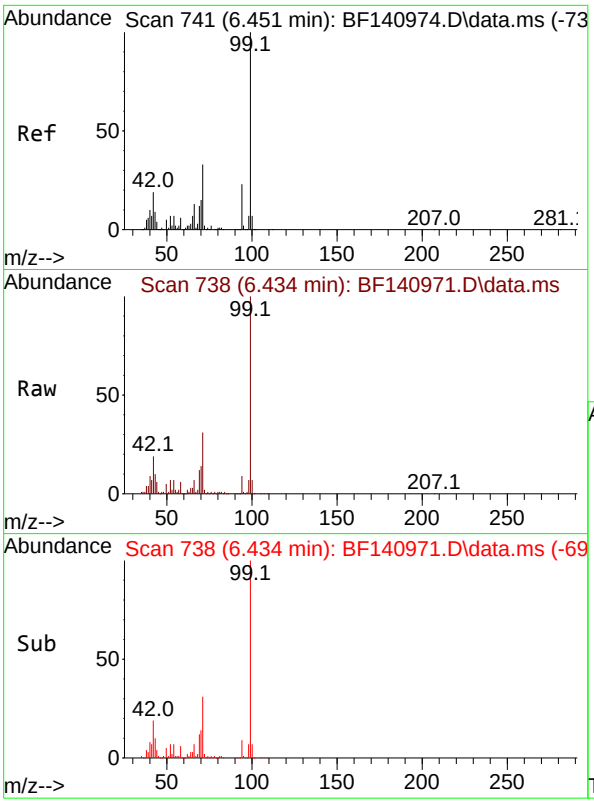


#6
Aniline
Concen: 5.605 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.024 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 93 Resp: 104416

Ion	Ratio	Lower	Upper
93	100		
66	38.3	31.8	47.8
65	18.5	15.4	23.0



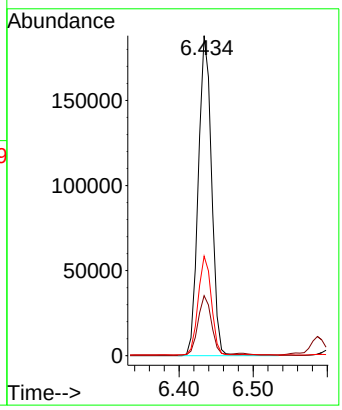


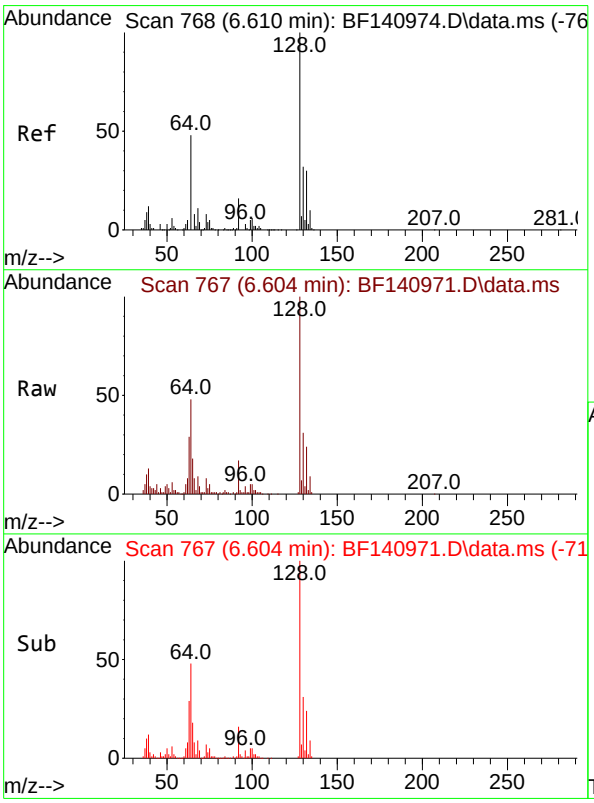
#7
Phenol-d6
Concen: 11.178 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 233457

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.4
71	31.1	26.2	39.2

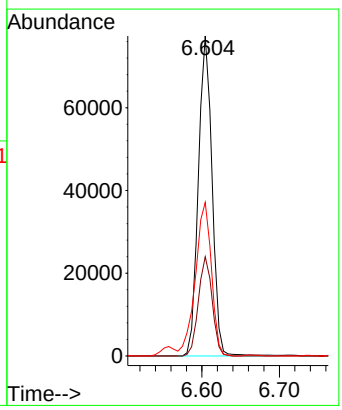


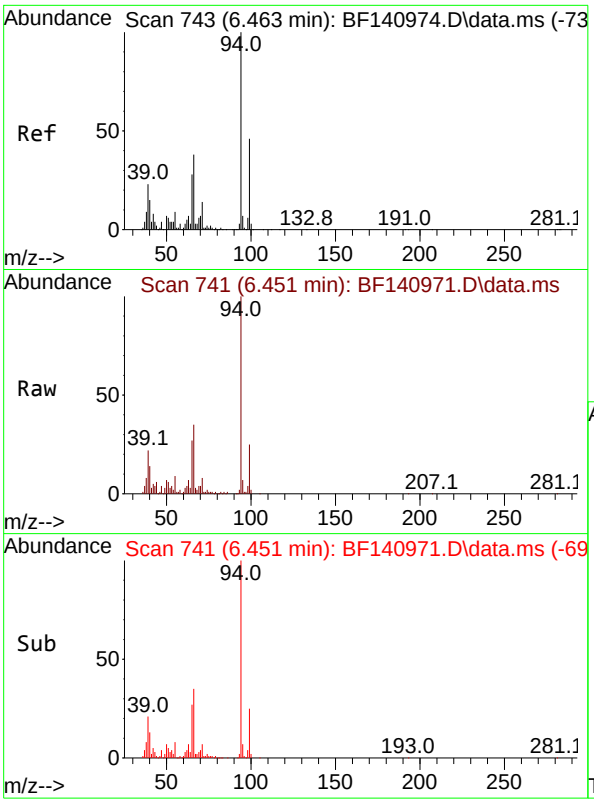


#8
2-Chlorophenol
Concen: 5.563 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:128 Resp: 95096

Ion	Ratio	Lower	Upper
128	100		
130	31.0	12.2	52.2
64	48.0	30.3	70.3



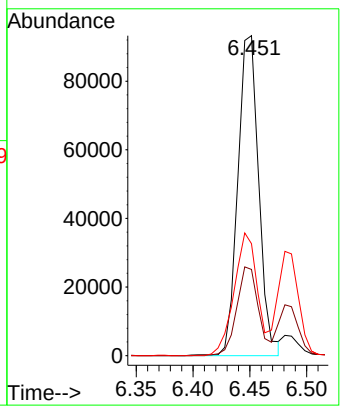


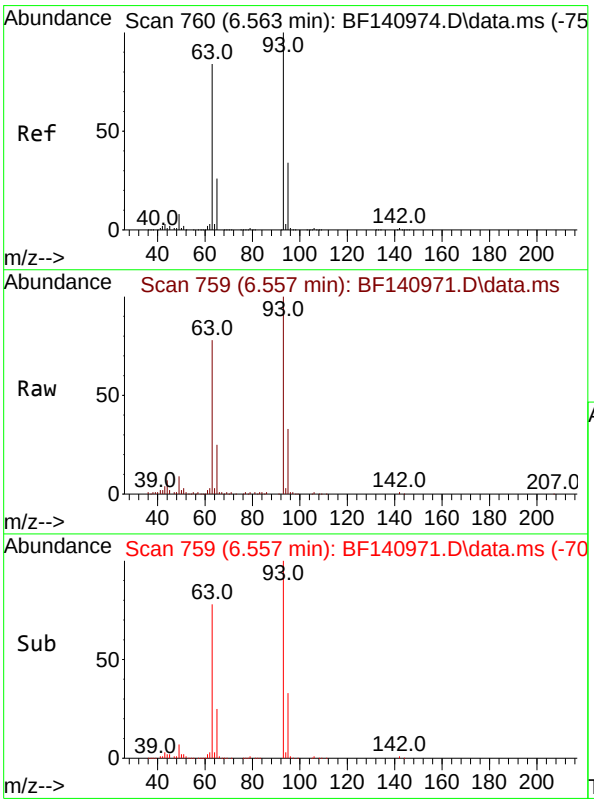
#10
Phenol
Concen: 5.534 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 94 Resp: 119516

Ion	Ratio	Lower	Upper
94	100		
65	27.0	8.1	48.1
66	35.0	18.7	58.7

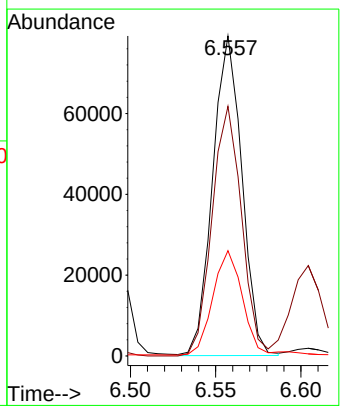


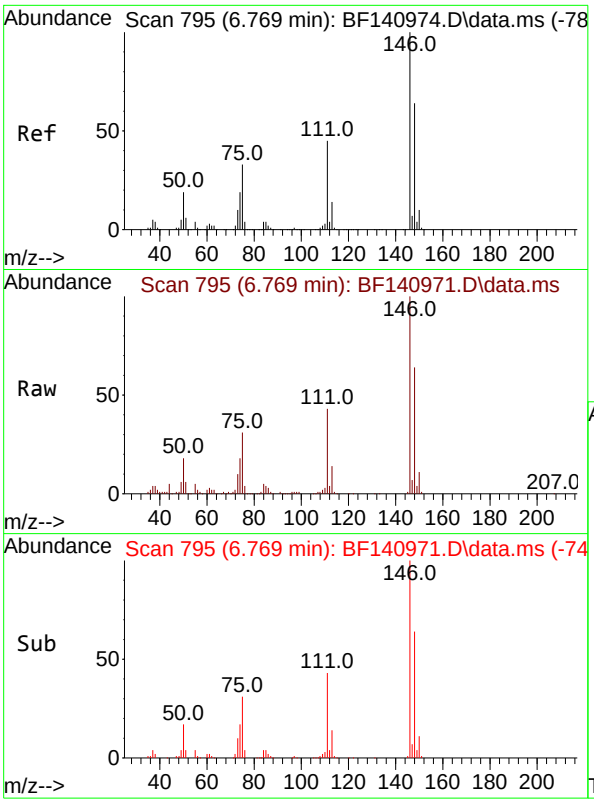


#11
bis(2-Chloroethyl)ether
Concen: 5.412 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 93 Resp: 94288

Ion	Ratio	Lower	Upper
93	100		
63	78.0	60.3	100.3
95	32.9	12.2	52.2



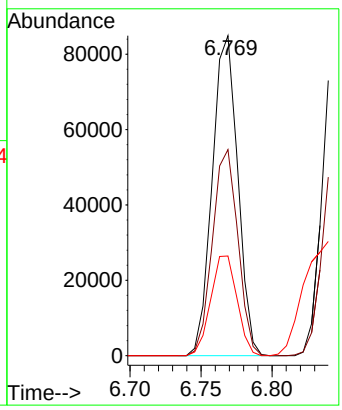


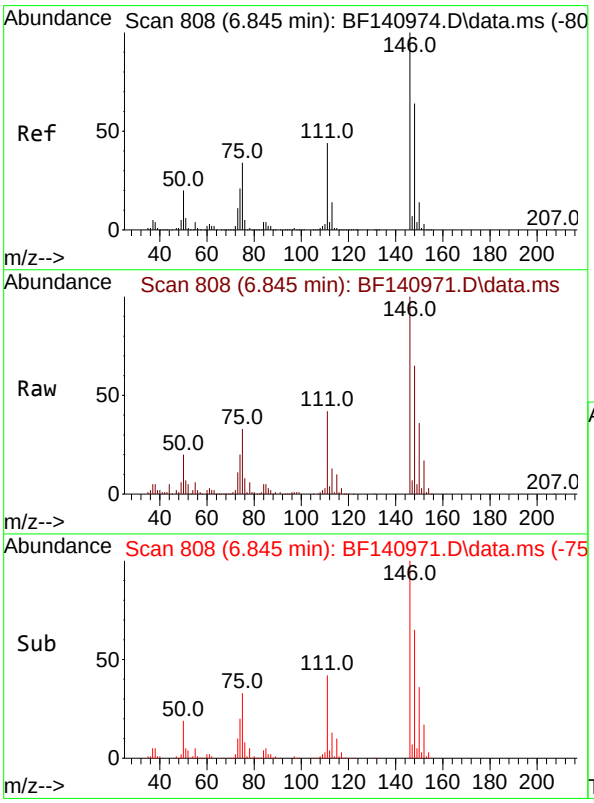
#12
1,3-Dichlorobenzene
Concen: 5.621 ng
RT: 6.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 106038

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
75	31.2	26.1	39.1

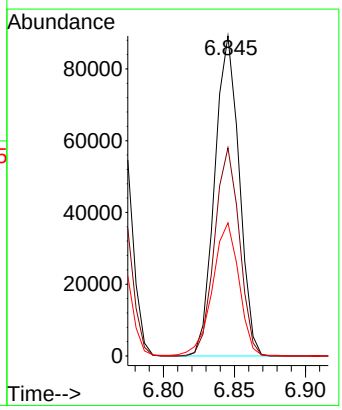


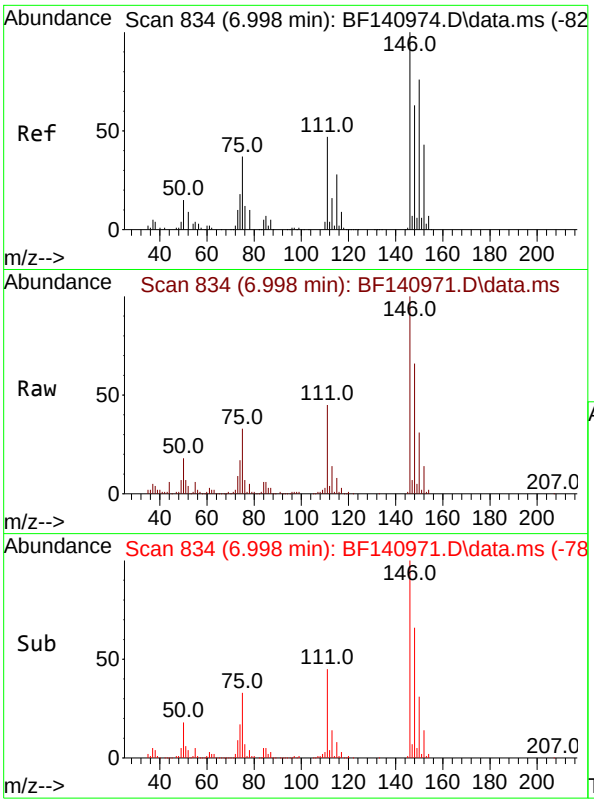


#13
1,4-Dichlorobenzene
Concen: 5.621 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:146 Resp: 106890

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.3	76.9
111	41.6	35.3	52.9



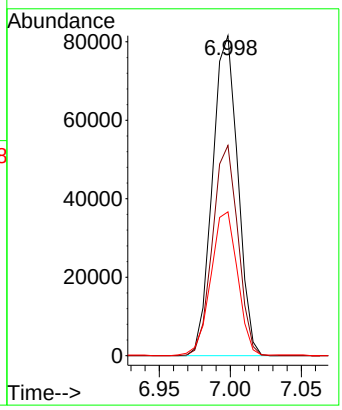


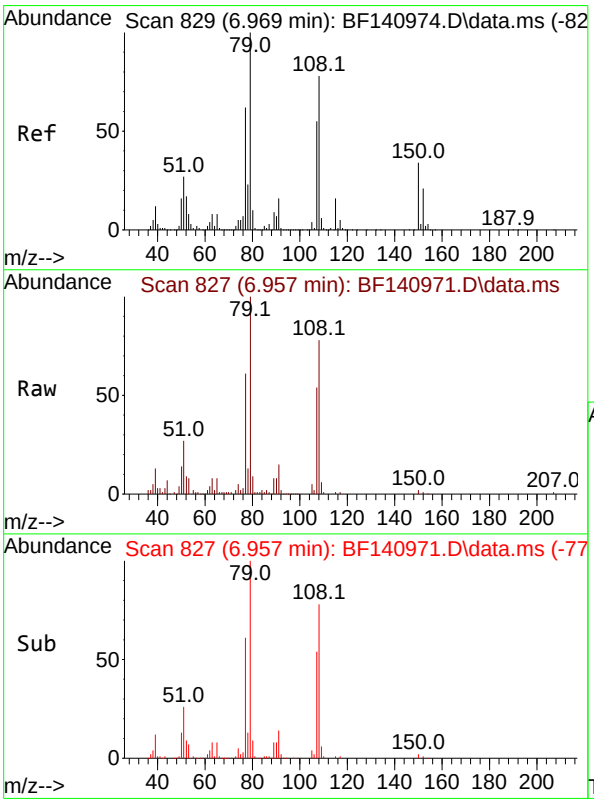
#14
1,2-Dichlorobenzene
Concen: 5.721 ng
RT: 6.998 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 101438

Ion	Ratio	Lower	Upper
146	100		
148	65.7	50.6	76.0
111	45.0	37.3	55.9

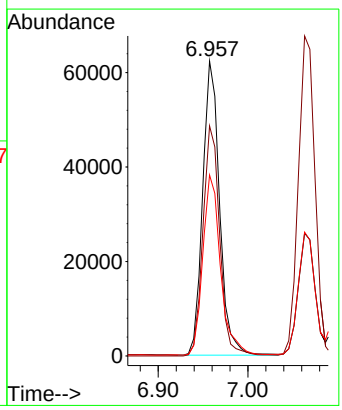


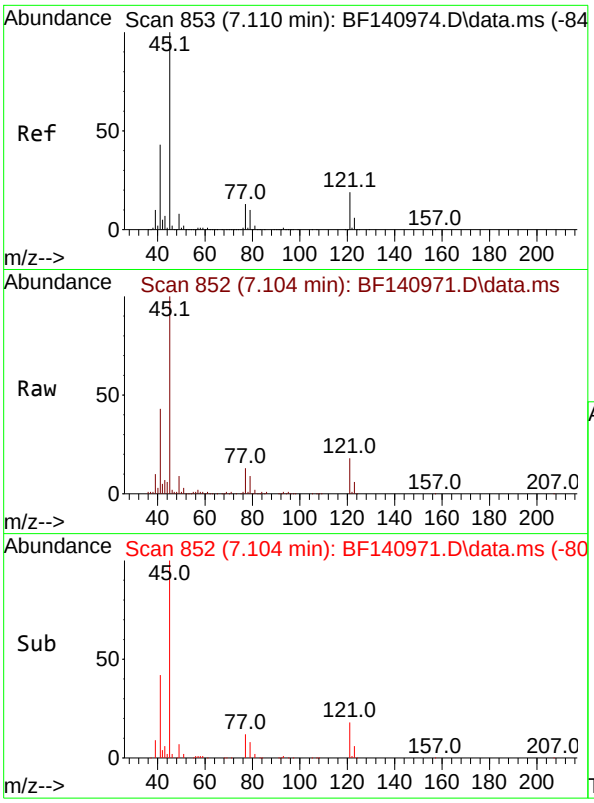


#15
Benzyl Alcohol
Concen: 5.426 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 79 Resp: 81438

Ion	Ratio	Lower	Upper
79	100		
108	78.0	62.5	93.7
77	61.3	49.3	73.9



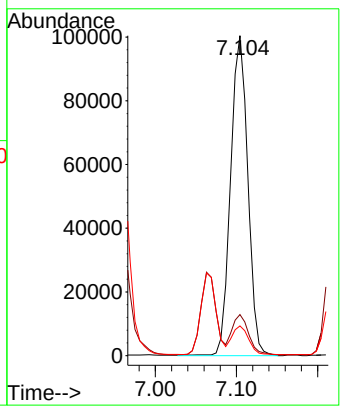


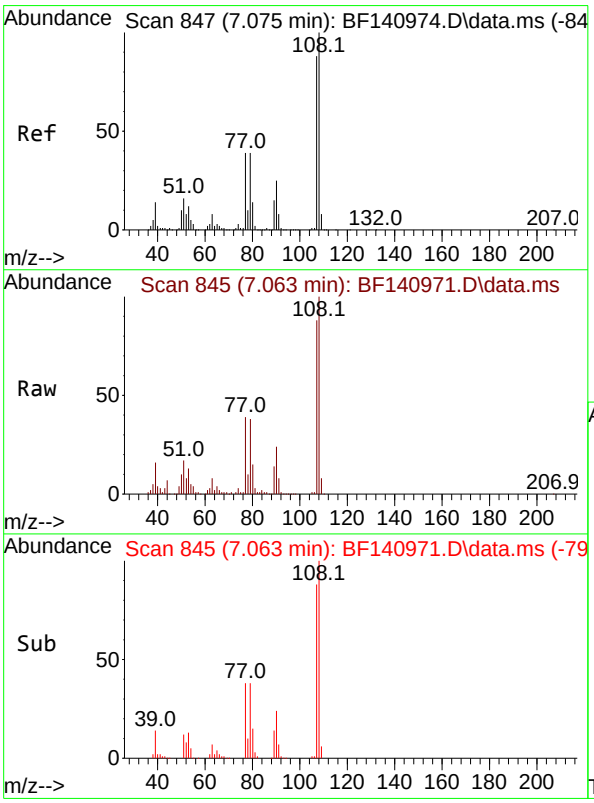
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.606 ng
RT: 7.104 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 147834

Ion	Ratio	Lower	Upper
45	100		
77	12.9	0.0	33.1
79	9.3	0.0	30.1

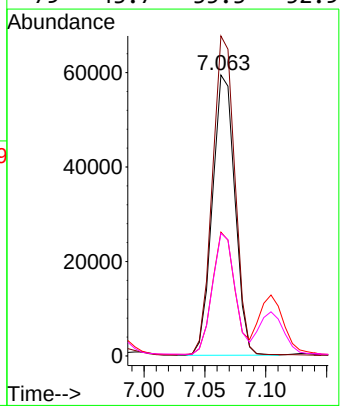


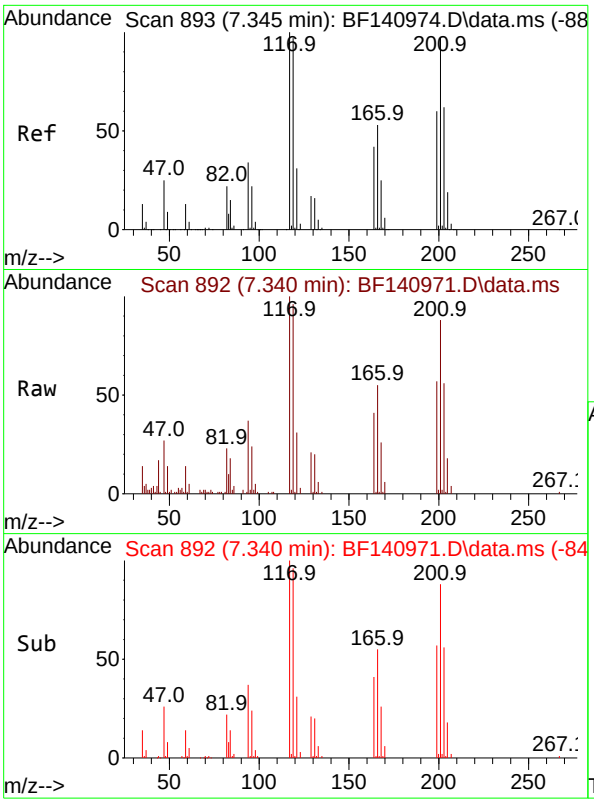


#17
2-Methylphenol
Concen: 5.378 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:107 Resp: 76369

Ion	Ratio	Lower	Upper
107	100		
108	113.9	90.6	136.0
77	44.1	35.3	52.9
79	43.7	35.3	52.9



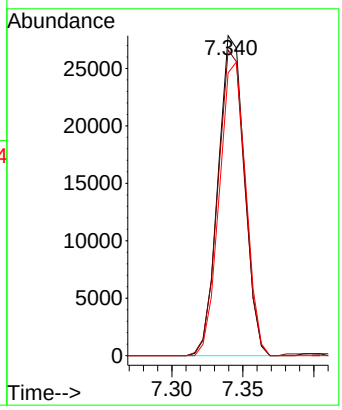


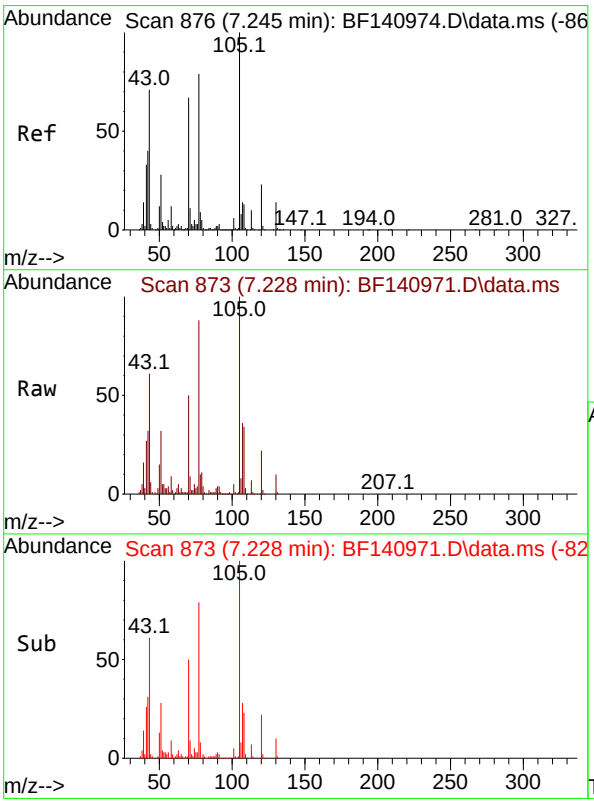
#18
Hexachloroethane
Concen: 5.313 ng
RT: 7.340 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 35891

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.5	116.3
201	88.4	77.4	116.2

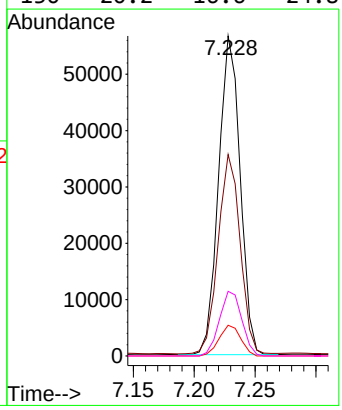


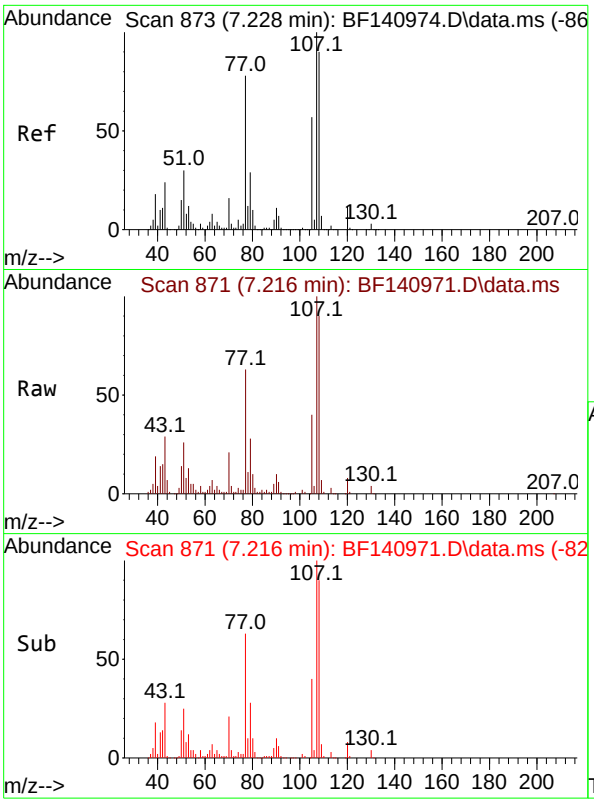


#19
n-Nitroso-di-n-propylamine
Concen: 5.445 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.018 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 70 Resp: 69676

Ion	Ratio	Lower	Upper
70	100		
42	63.0	48.1	72.1
101	9.6	7.6	11.4
130	20.2	16.6	24.8



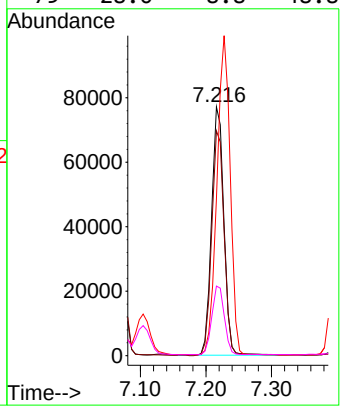


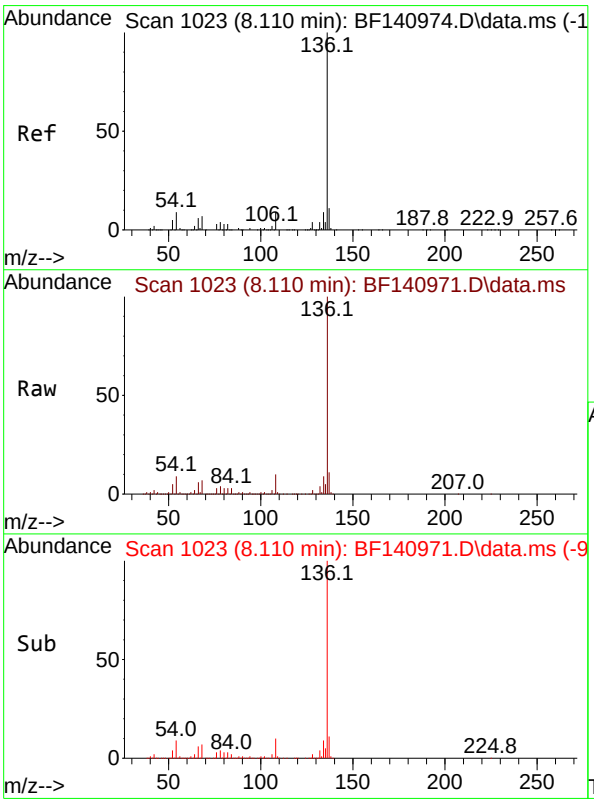
#20
3+4-Methylphenols
Concen: 5.590 ng
RT: 7.216 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 100457

Ion	Ratio	Lower	Upper
107	100		
108	90.4	69.6	109.6
77	63.1	57.6	97.6
79	28.0	8.8	48.8

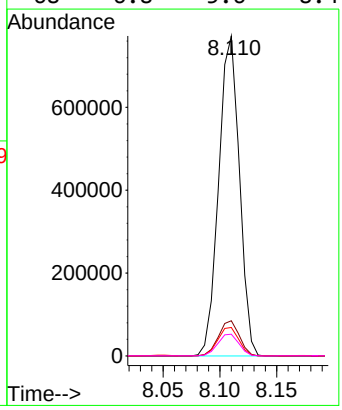


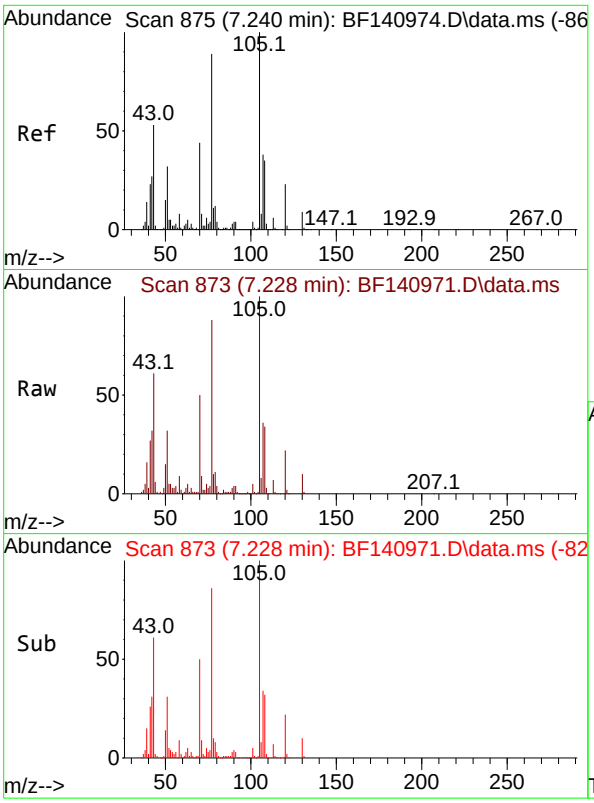


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:136 Resp: 981263

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.9	7.6	11.4
68	6.8	5.6	8.4



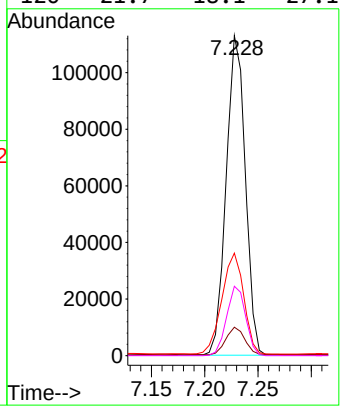


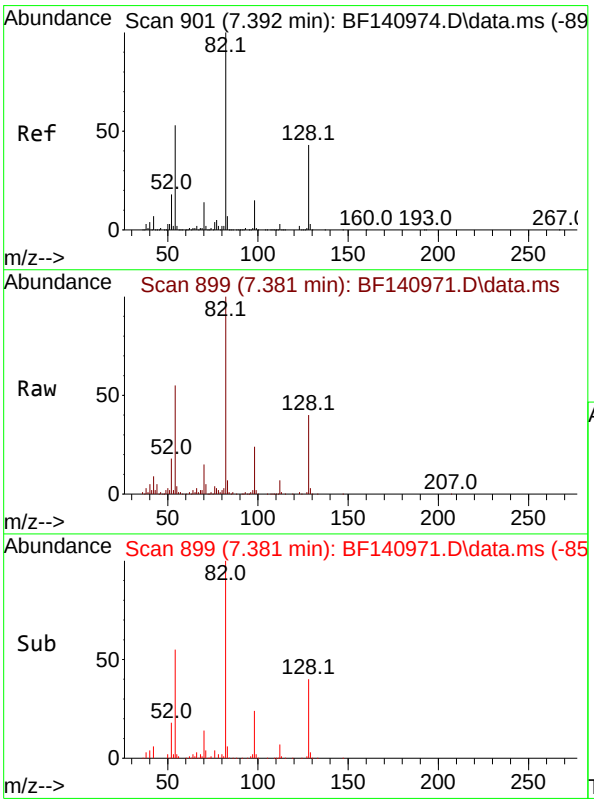
#22
Acetophenone
Concen: 5.856 ng
RT: 7.228 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:105 Resp: 140966

Ion	Ratio	Lower	Upper
105	100		
71	8.9	6.1	9.1
51	32.0	25.8	38.6
120	21.7	18.1	27.1

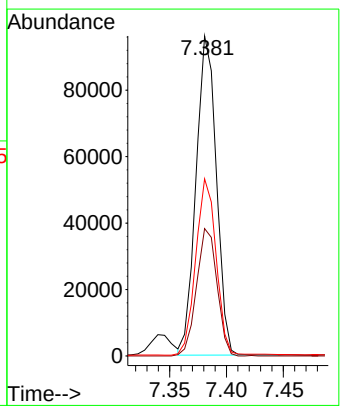


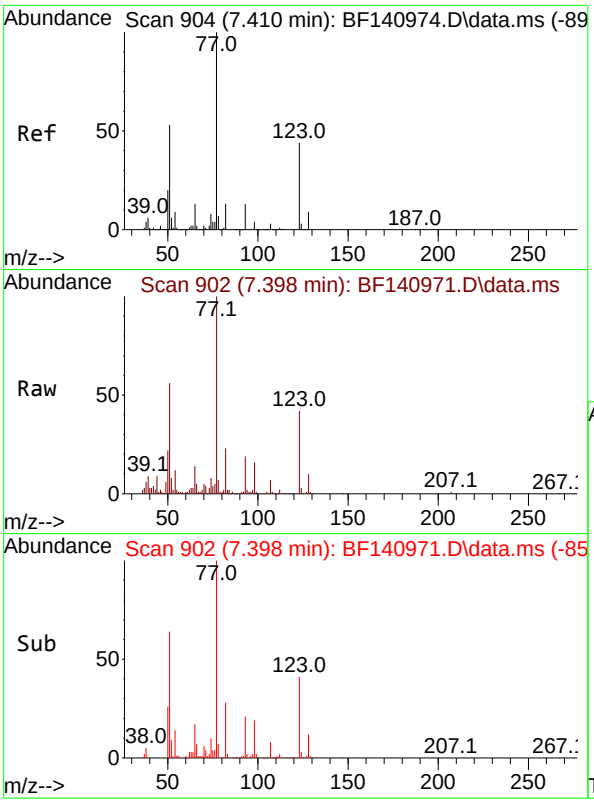


#23
Nitrobenzene-d5
Concen: 7.800 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 82 Resp: 119635

Ion	Ratio	Lower	Upper
82	100		
128	39.8	34.4	51.6
54	55.4	42.4	63.6



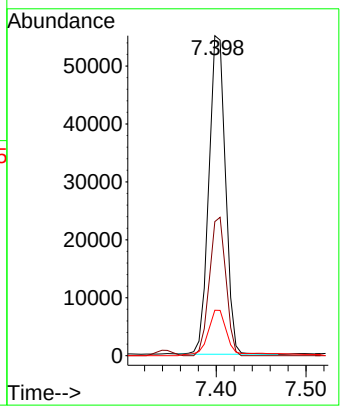


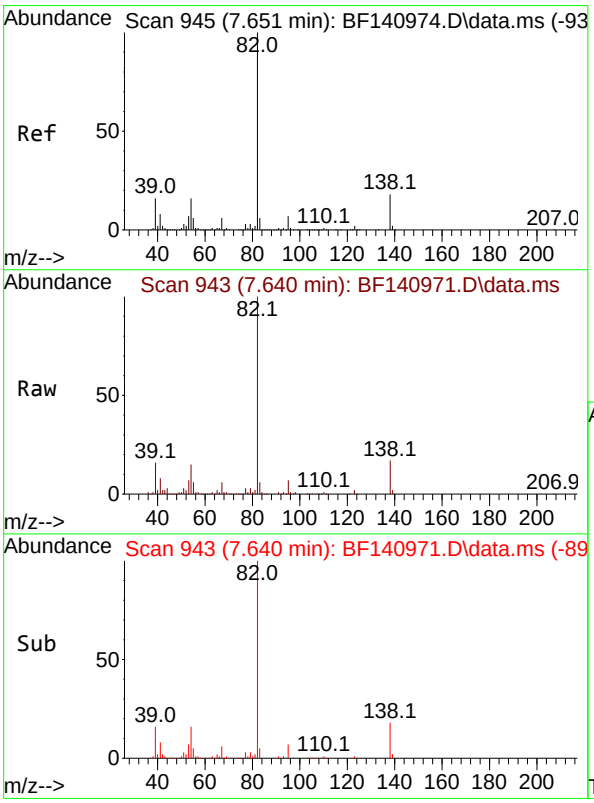
#24
Nitrobenzene
Concen: 4.120 ng
RT: 7.398 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 70606

Ion	Ratio	Lower	Upper
77	100		
123	41.9	35.4	53.2
65	14.2	10.7	16.1

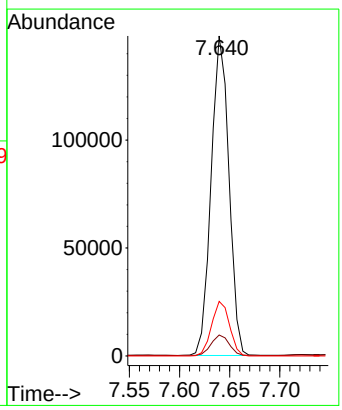


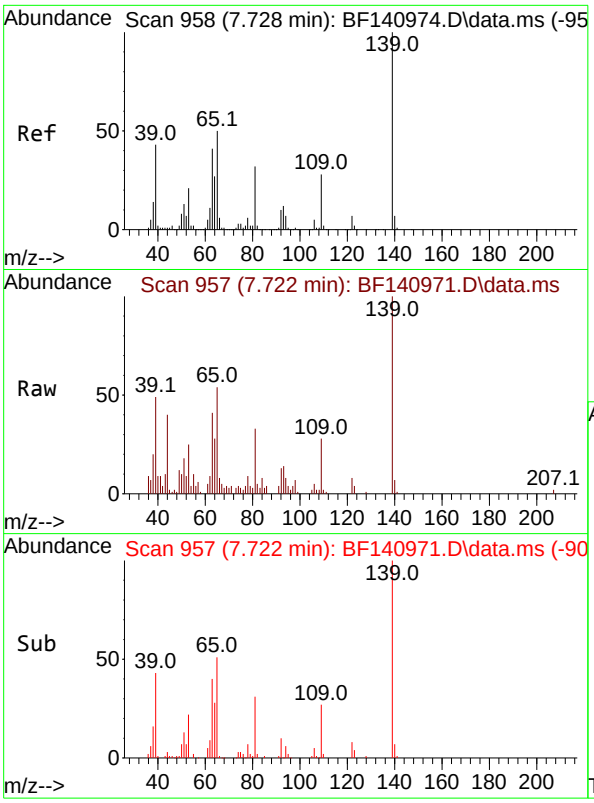


#25
Isophorone
Concen: 5.467 ng
RT: 7.640 min Scan# 943
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 82 Resp: 182478

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.6	8.4
138	17.1	14.6	21.8



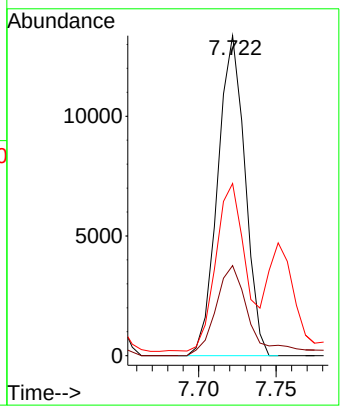


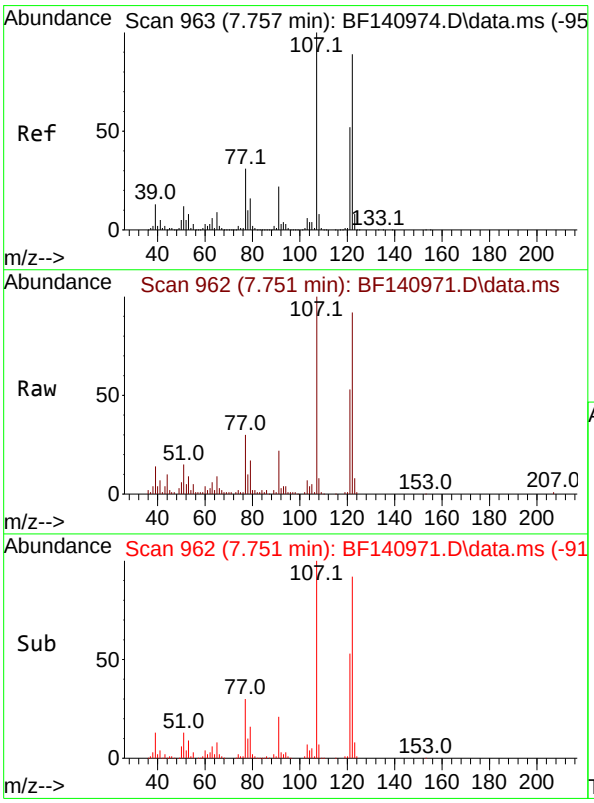
#26
2-Nitrophenol
Concen: 7.379 ng
RT: 7.722 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 16400

Ion	Ratio	Lower	Upper
139	100		
109	28.2	22.2	33.4
65	53.8	40.2	60.4

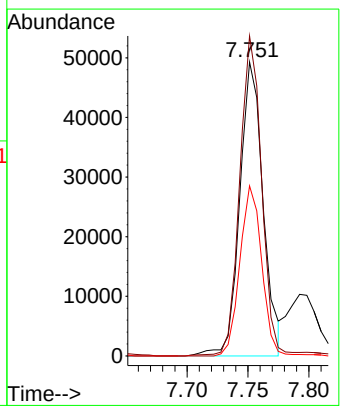


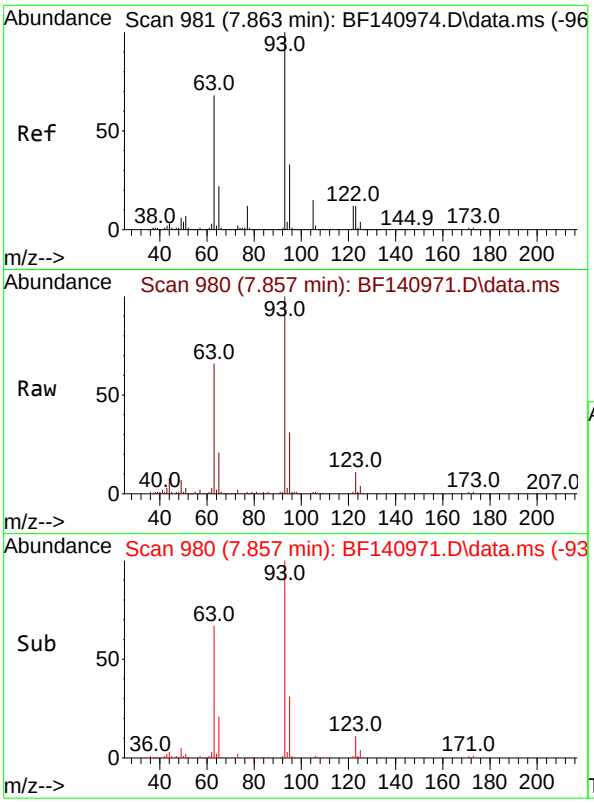


#27
2,4-Dimethylphenol
Concen: 5.391 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:122 Resp: 65753

Ion	Ratio	Lower	Upper
122	100		
107	108.9	89.4	134.2
121	57.9	46.7	70.1



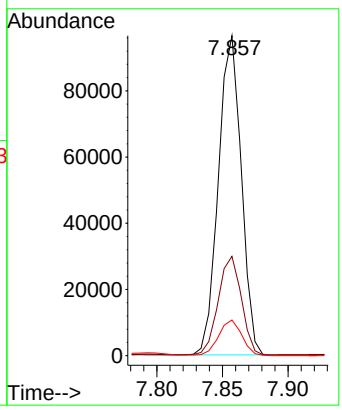


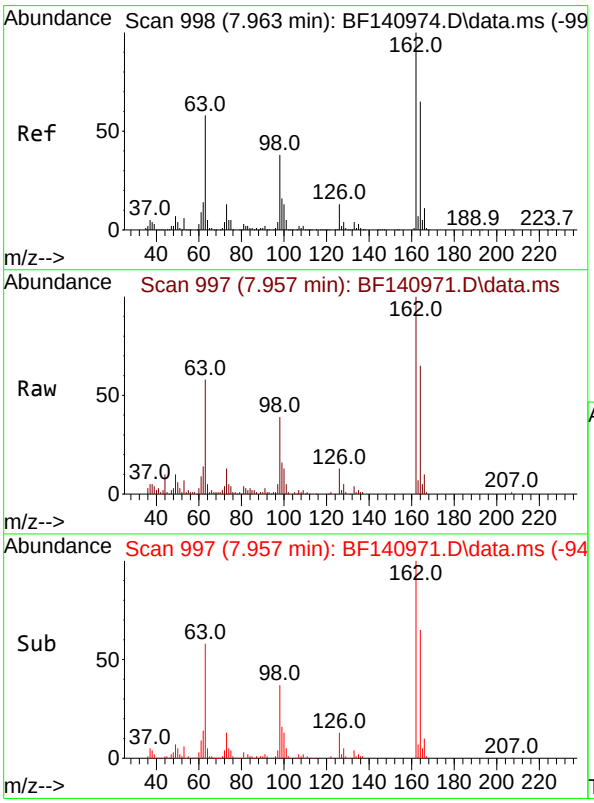
#28
bis(2-Chloroethoxy)methane
Concen: 5.534 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 117023

Ion	Ratio	Lower	Upper
93	100		
95	31.1	26.2	39.4
123	11.2	9.9	14.9

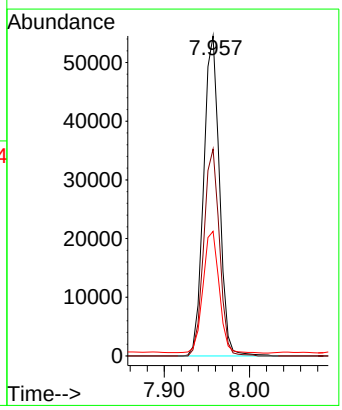


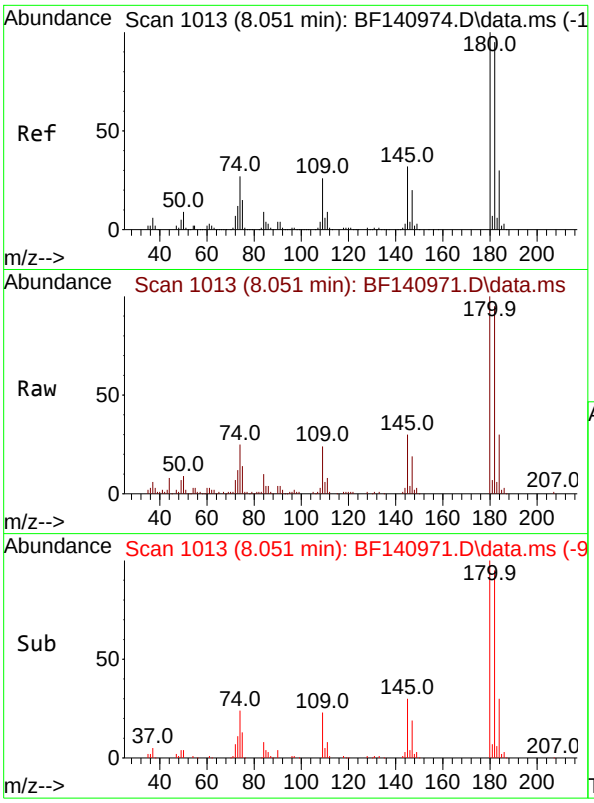


#29
2,4-Dichlorophenol
Concen: 5.074 ng
RT: 7.957 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:162 Resp: 70187

Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.8	84.8
98	38.9	18.6	58.6



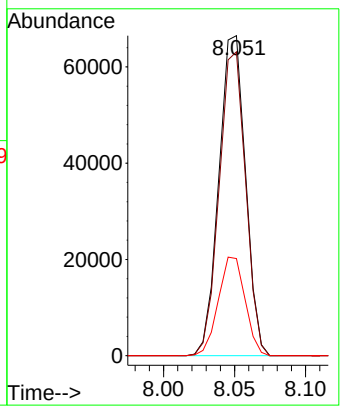


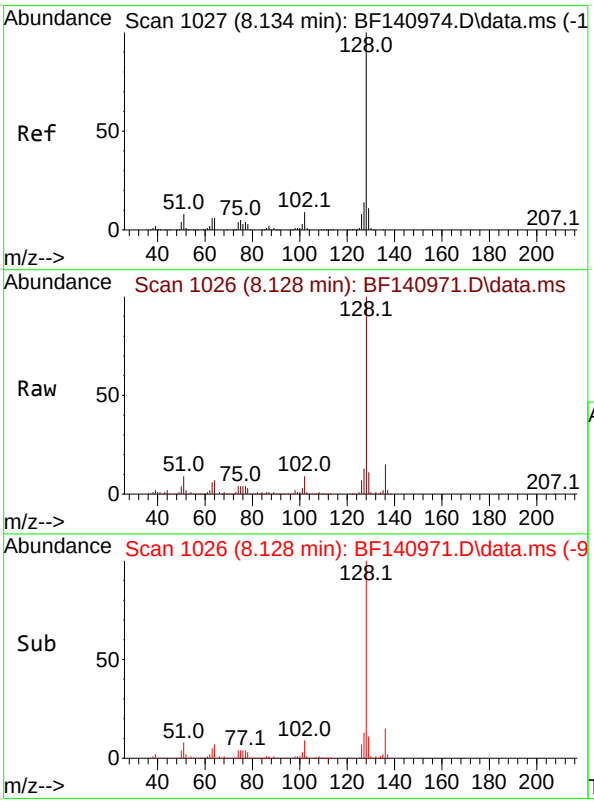
#30
1,2,4-Trichlorobenzene
Concen: 5.549 ng
RT: 8.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:180 Resp: 86885

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
145	30.4	25.4	38.2

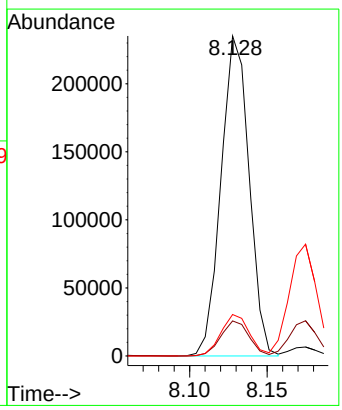


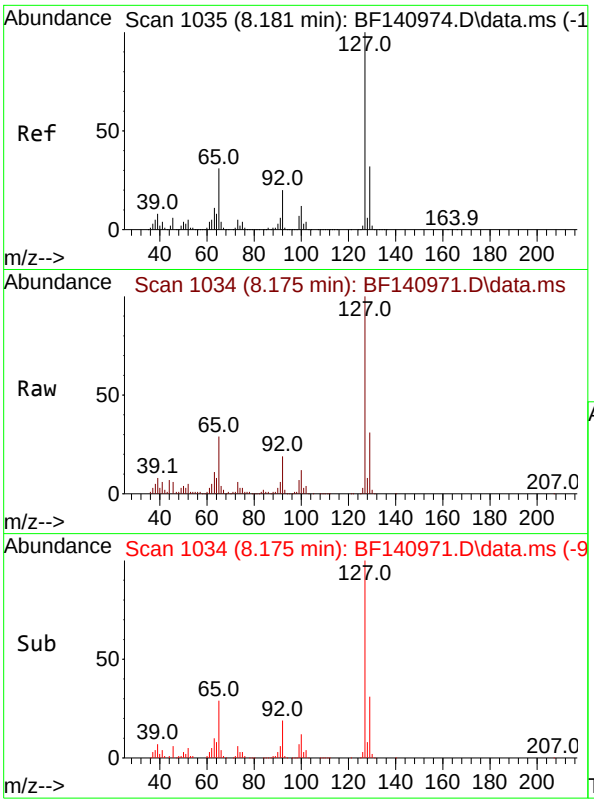


#31
Naphthalene
Concen: 5.734 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:128 Resp: 296471

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.2	13.8
127	13.0	11.0	16.4



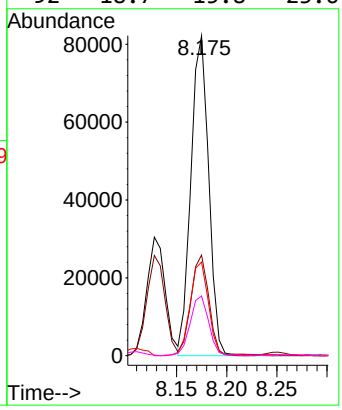


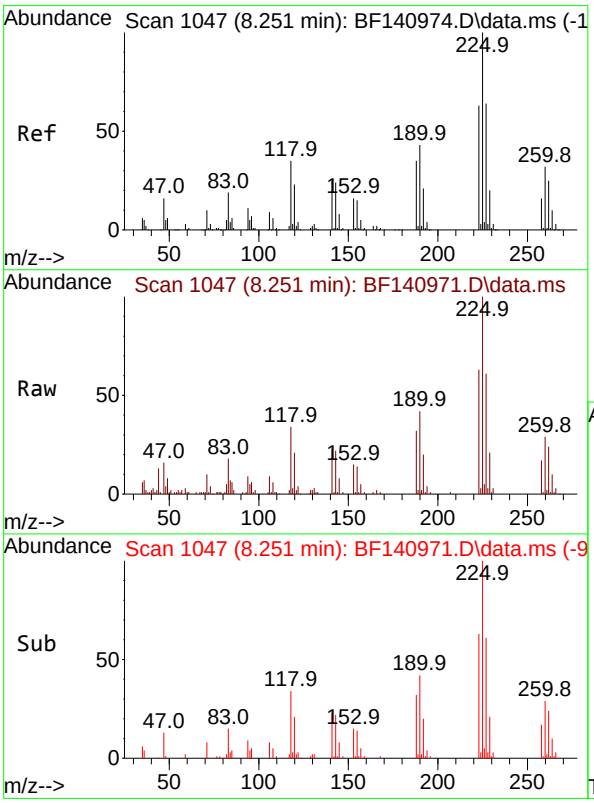
#33
4-Chloroaniline
Concen: 5.435 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 101675

Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.1	39.1
65	29.3	24.6	37.0
92	18.7	15.8	23.6

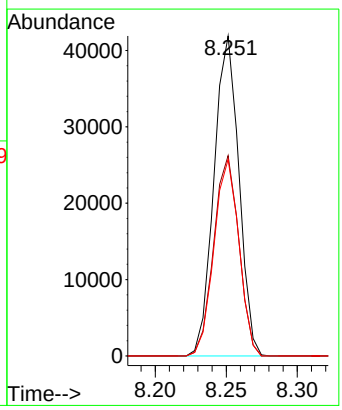


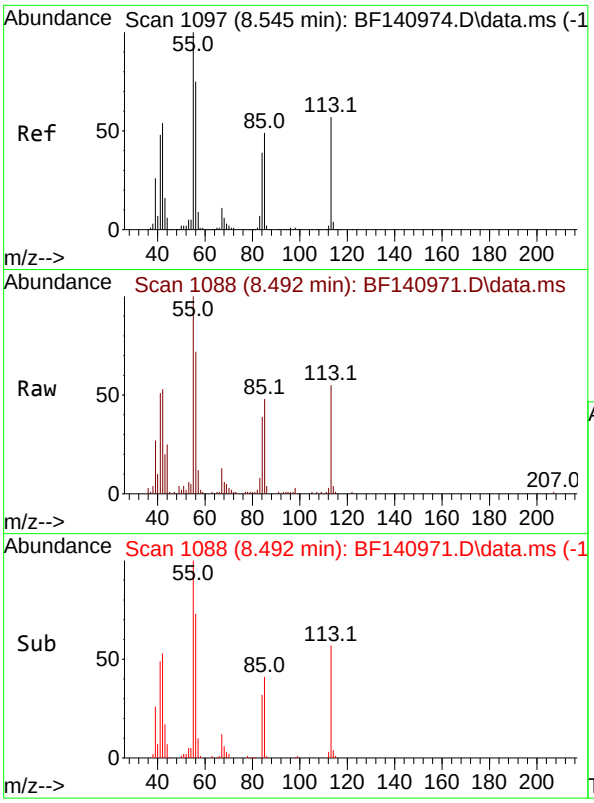


#34
Hexachlorobutadiene
Concen: 5.527 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:225 Resp: 51022

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.3	75.5
227	61.4	50.8	76.2



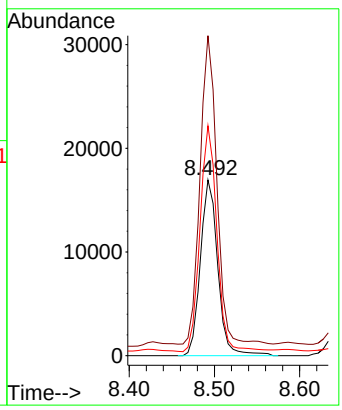


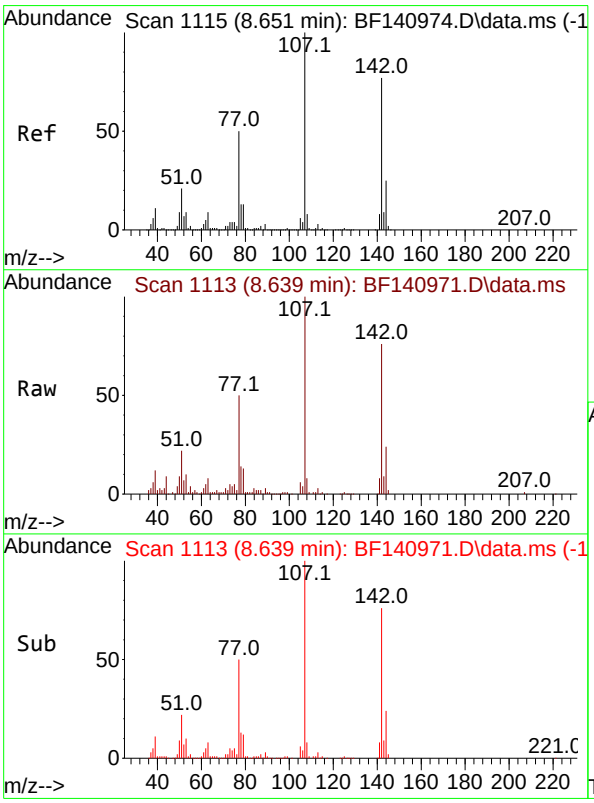
#35
Caprolactam
Concen: 5.102 ng
RT: 8.492 min Scan# 1
Delta R.T. -0.053 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 23997

Ion	Ratio	Lower	Upper
113	100		
55	182.2	156.6	196.6
56	130.9	111.7	151.7

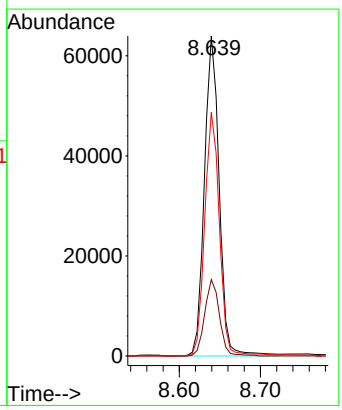


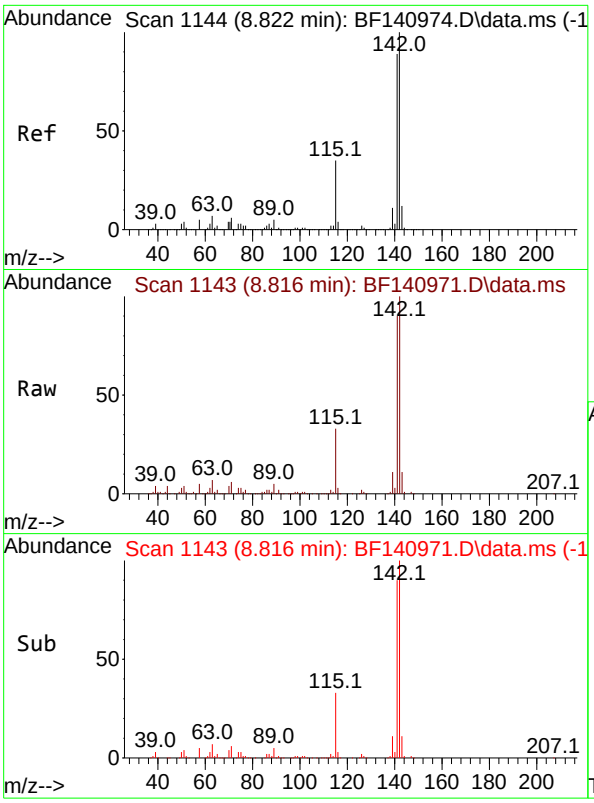


#36
4-Chloro-3-methylphenol
Concen: 5.271 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:107 Resp: 80975

Ion	Ratio	Lower	Upper
107	100		
144	23.8	19.9	29.9
142	76.2	61.8	92.8



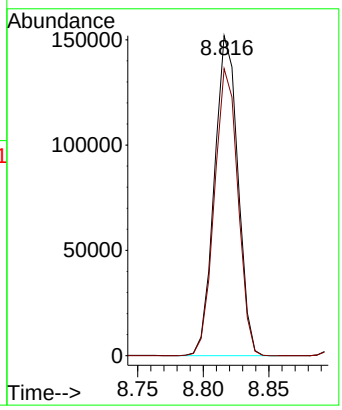


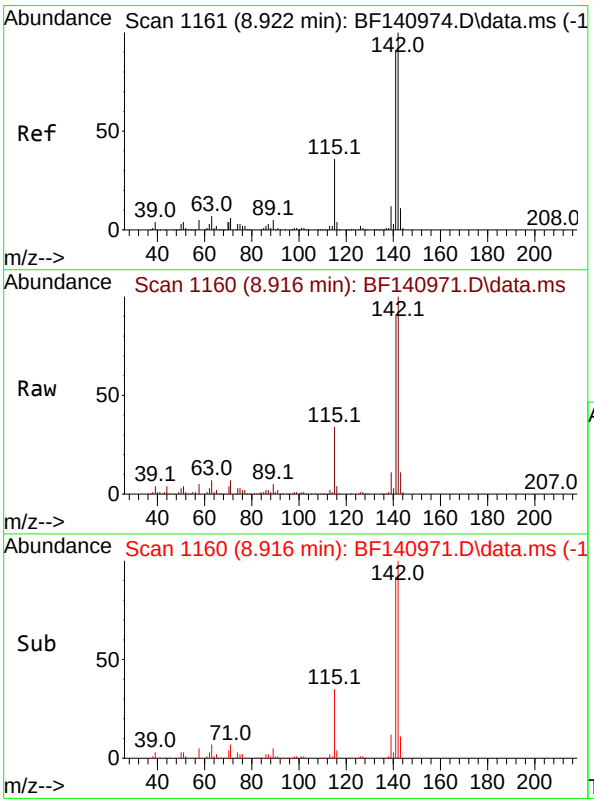
#37
2-Methylnaphthalene
Concen: 5.726 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 189400

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.1	106.7

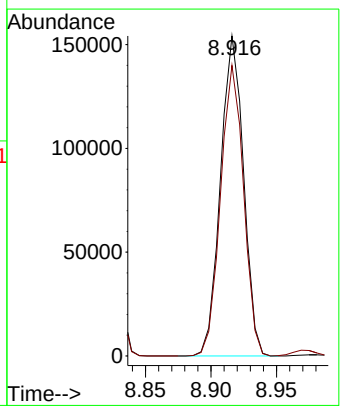


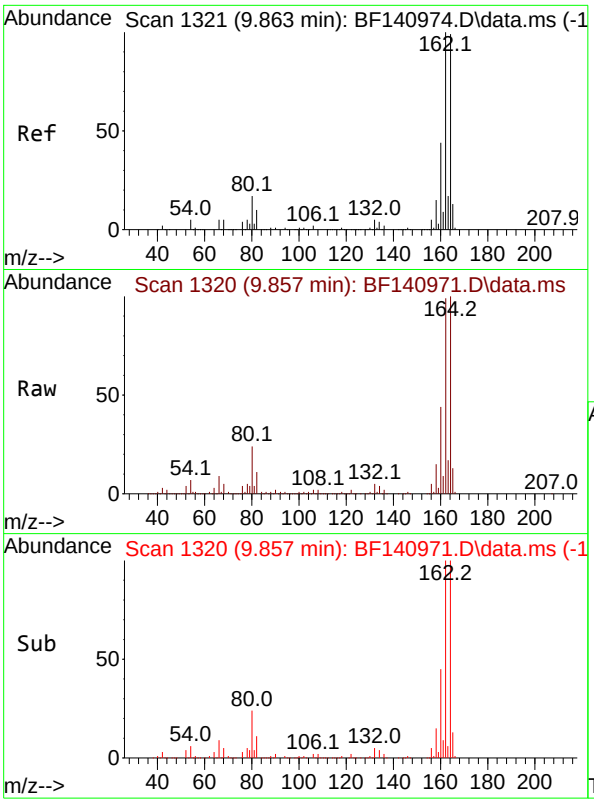


#38
1-Methylnaphthalene
Concen: 5.788 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:142 Resp: 188155

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.7	109.1



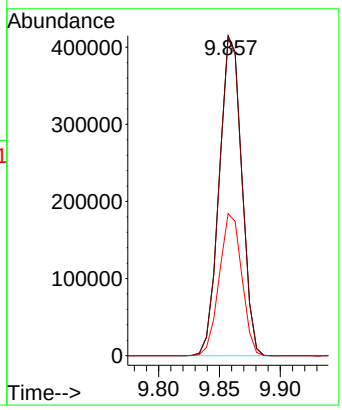


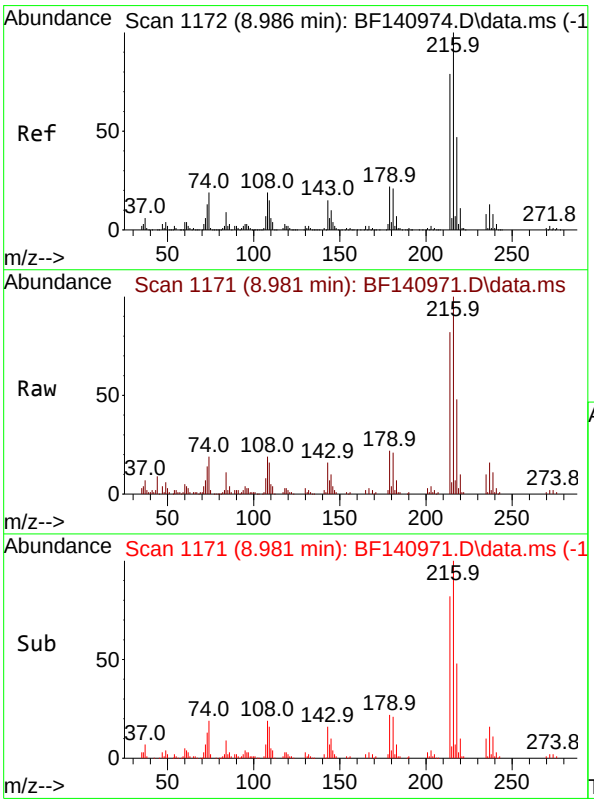
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 532506

Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.6	120.8
160	44.4	35.7	53.5

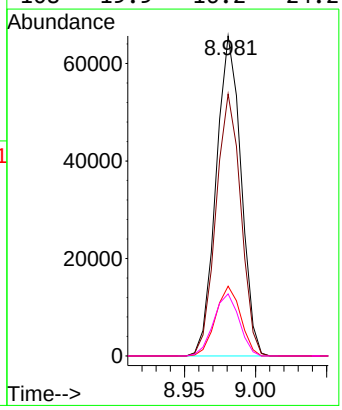


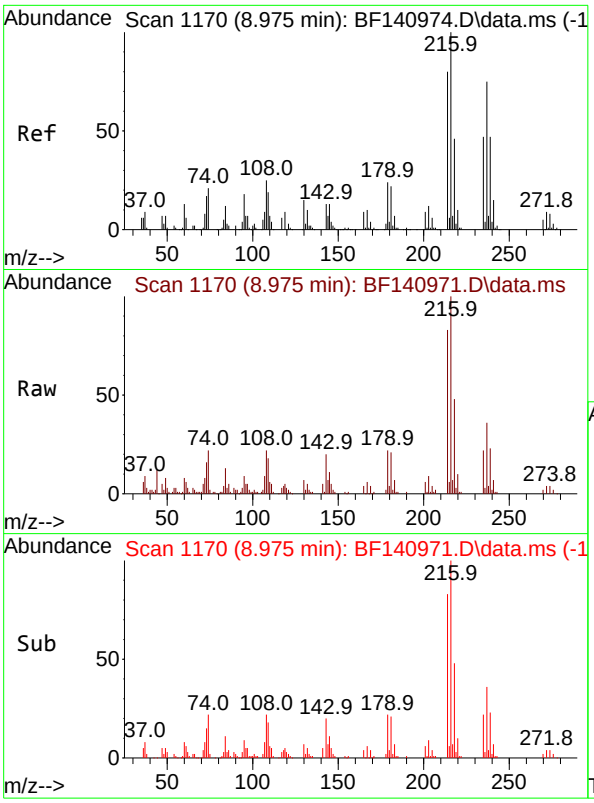


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.467 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:216 Resp: 80086

Ion	Ratio	Lower	Upper
216	100		
214	81.5	63.0	94.6
179	21.9	17.9	26.9
108	19.9	16.2	24.2



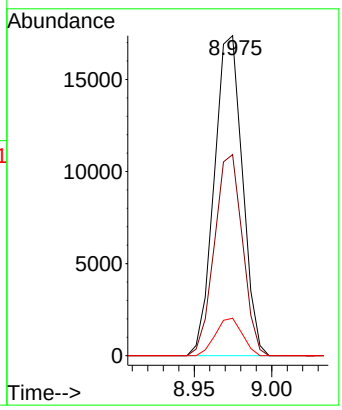


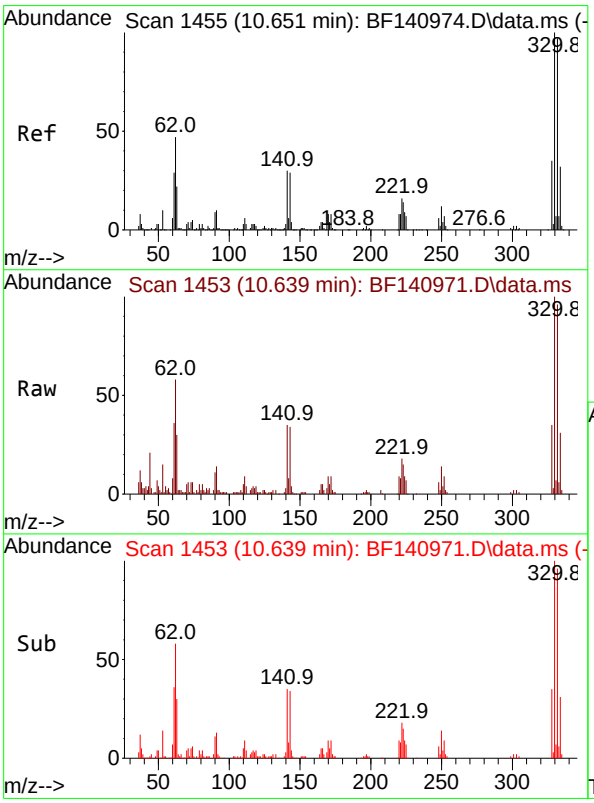
#41
Hexachlorocyclopentadiene
Concen: 4.531 ng
RT: 8.975 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 21995

Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.4	83.4
272	11.7	0.0	32.6

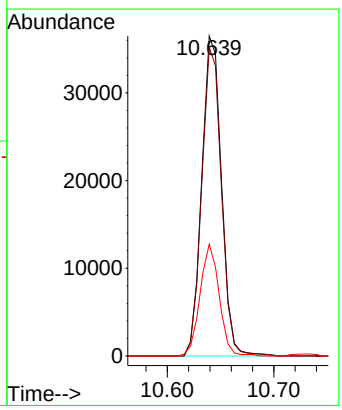


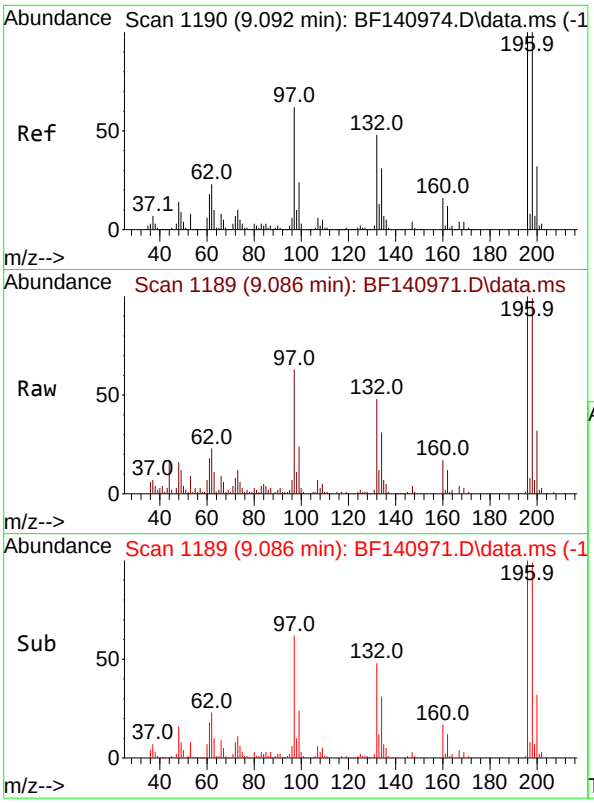


#42
2,4,6-Tribromophenol
Concen: 9.085 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:330 Resp: 47007

Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.0	117.0
141	33.9	26.4	39.6



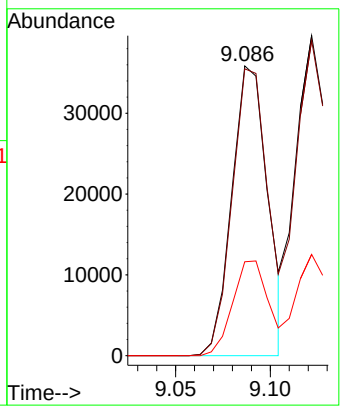


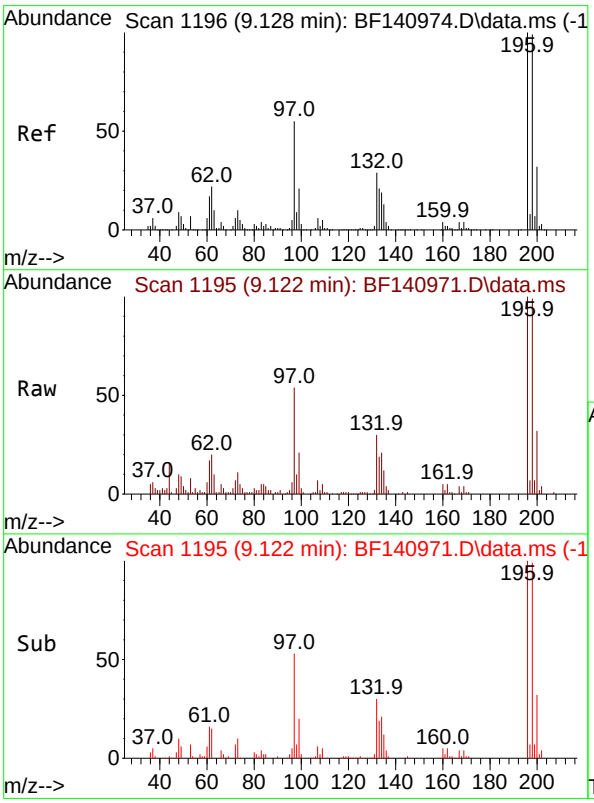
#43
2,4,6-Trichlorophenol
Concen: 4.837 ng
RT: 9.086 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 47166

Ion	Ratio	Lower	Upper
196	100		
198	99.0	80.2	120.4
200	32.4	25.8	38.6

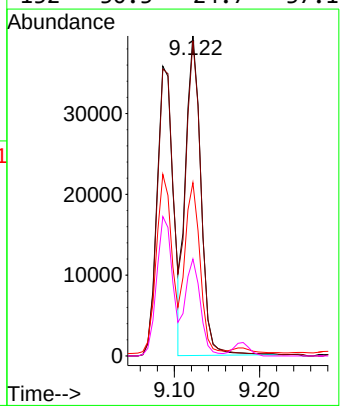


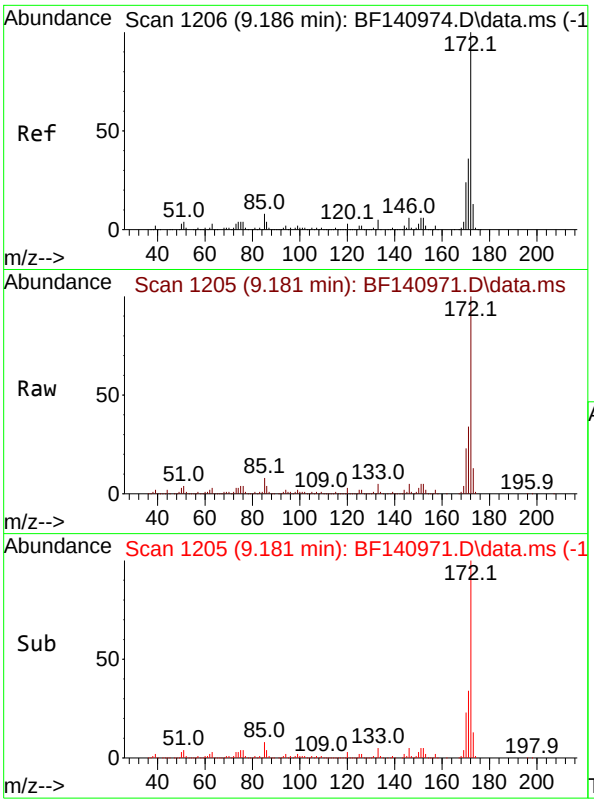


#44
2,4,5-Trichlorophenol
Concen: 4.955 ng
RT: 9.122 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:196 Resp: 49432

Ion	Ratio	Lower	Upper
196	100		
198	98.5	79.9	119.9
97	54.2	44.3	66.5
132	30.3	24.7	37.1



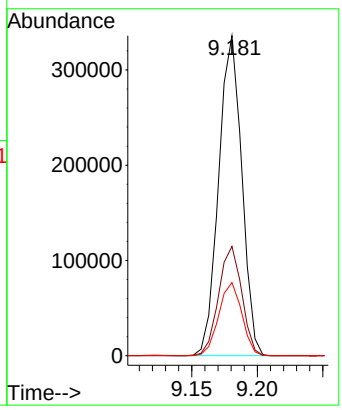


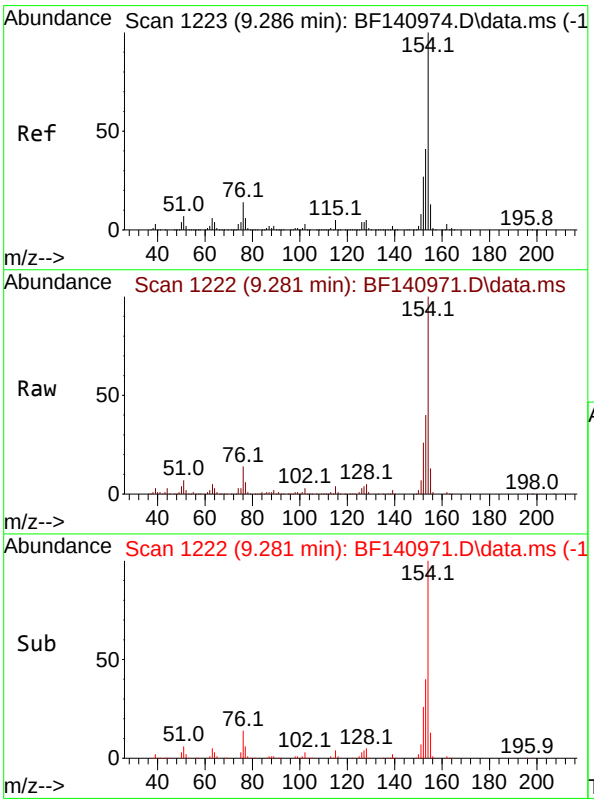
#45
2-Fluorobiphenyl
Concen: 12.312 ng
RT: 9.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 411497

Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.0	43.4
170	22.8	19.6	29.4

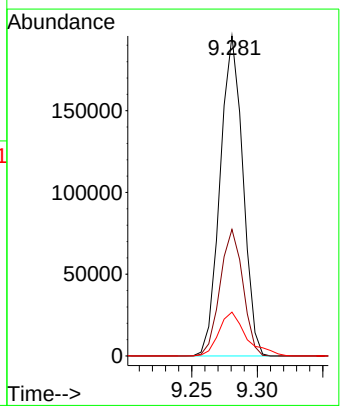


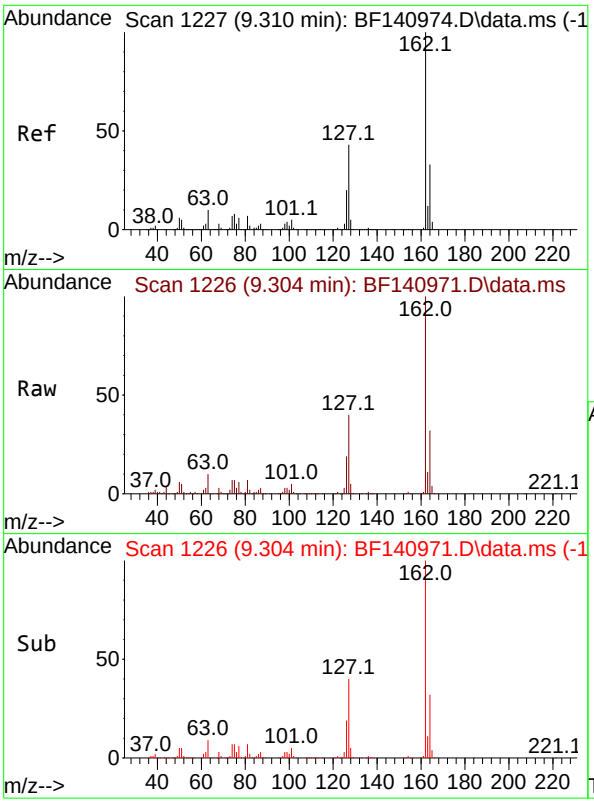


#46
1,1'-Biphenyl
Concen: 5.797 ng
RT: 9.281 min Scan# 1222
Delta R.T. -0.005 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:154 Resp: 236377

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.9	60.9
76	13.7	0.0	34.0



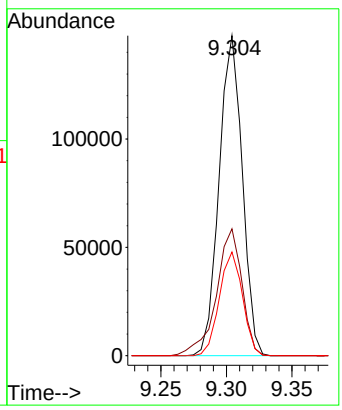


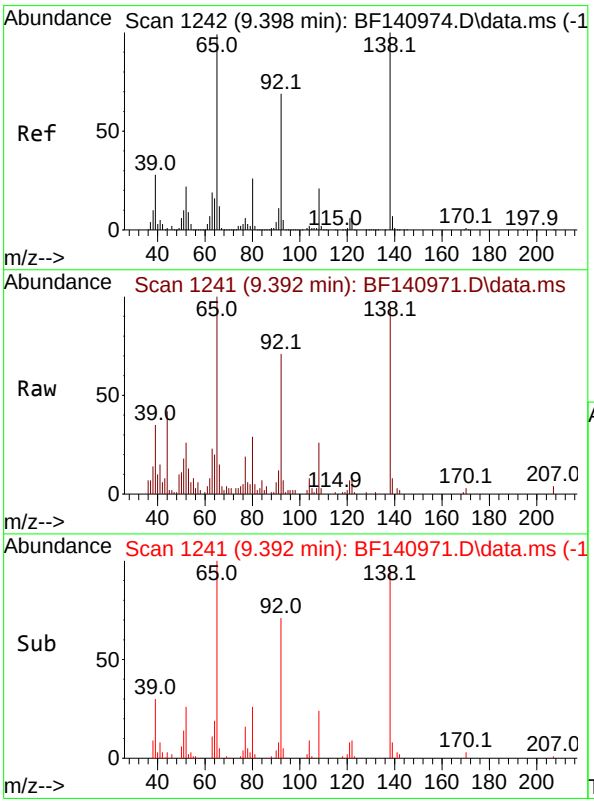
#47
2-Chloronaphthalene
Concen: 5.732 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 181255

Ion	Ratio	Lower	Upper
162	100		
127	39.7	34.2	51.4
164	32.4	26.6	40.0

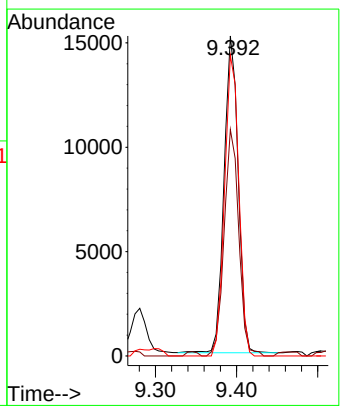


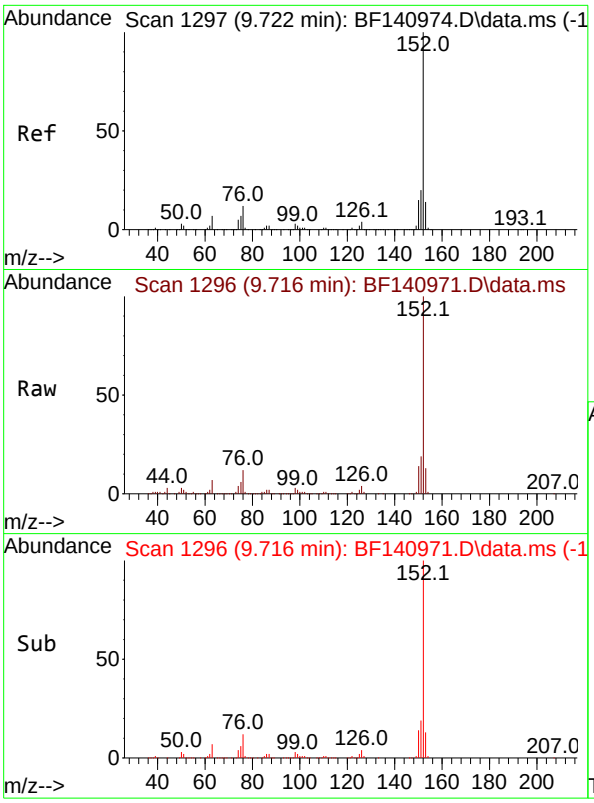


#48
2-Nitroaniline
Concen: 6.658 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 65 Resp: 18450

Ion	Ratio	Lower	Upper
65	100		
92	70.7	55.6	83.4
138	93.9	80.5	120.7



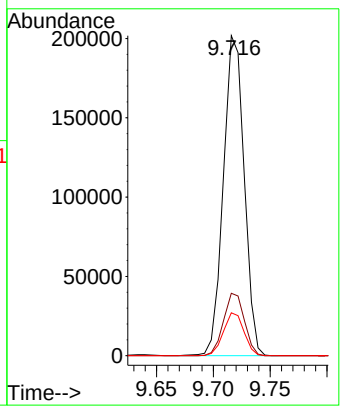


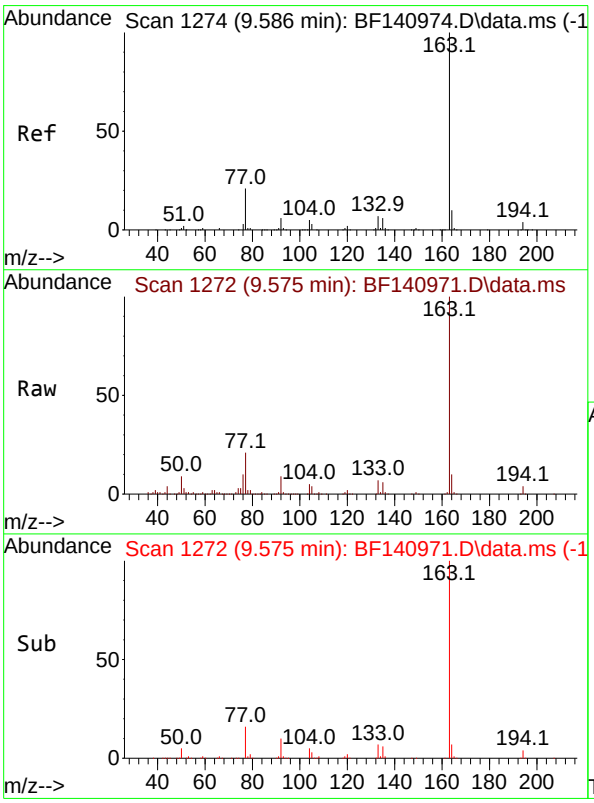
#49
Acenaphthylene
Concen: 5.656 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 257474

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.2	24.4
153	13.4	11.4	17.0

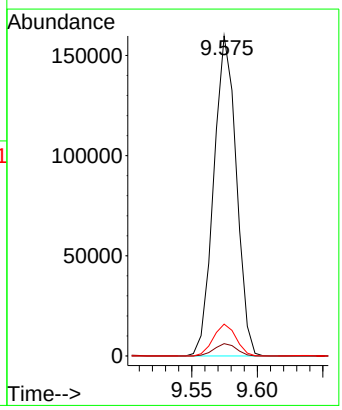


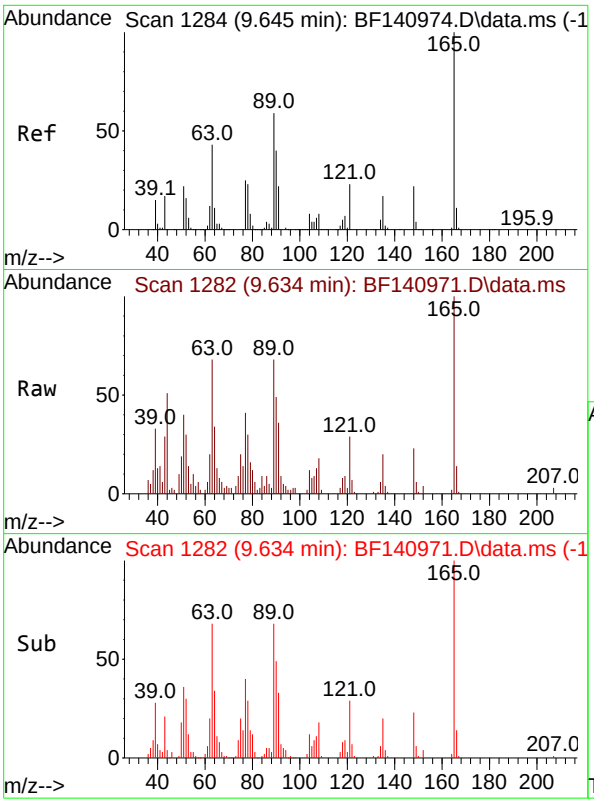


#50
Dimethylphthalate
Concen: 5.465 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.011 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:163 Resp: 191408

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.0	8.3	12.5



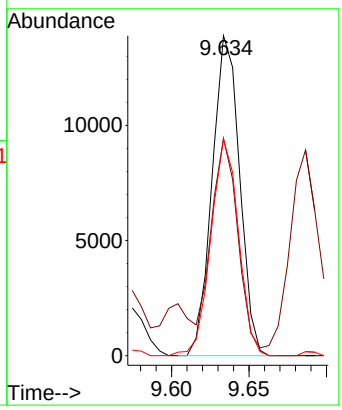


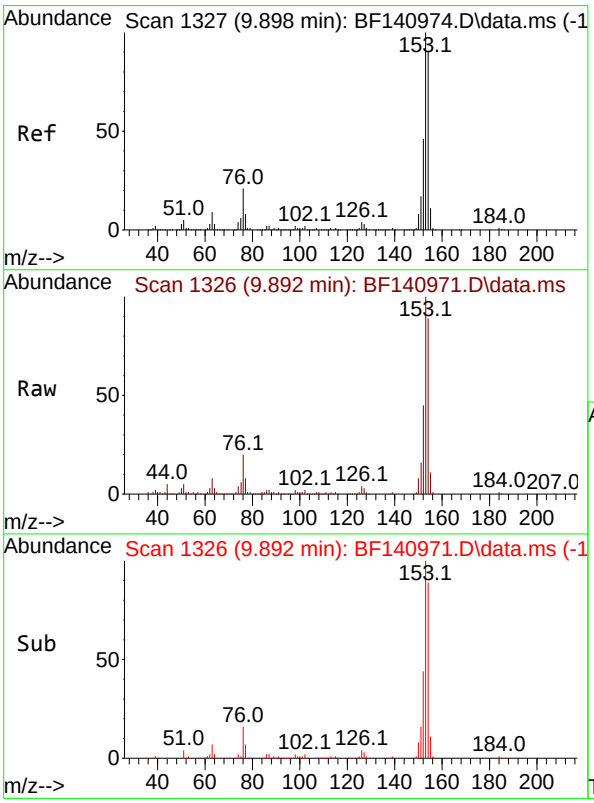
#51
2,6-Dinitrotoluene
Concen: 5.865 ng
RT: 9.634 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 17091

Ion	Ratio	Lower	Upper
165	100		
63	67.9	47.1	70.7
89	67.7	47.0	70.4

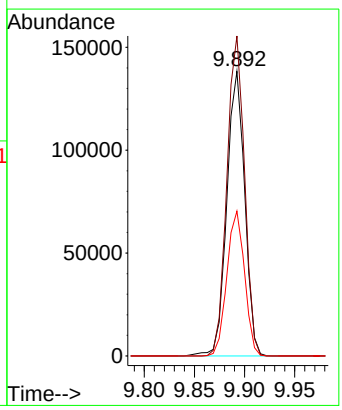


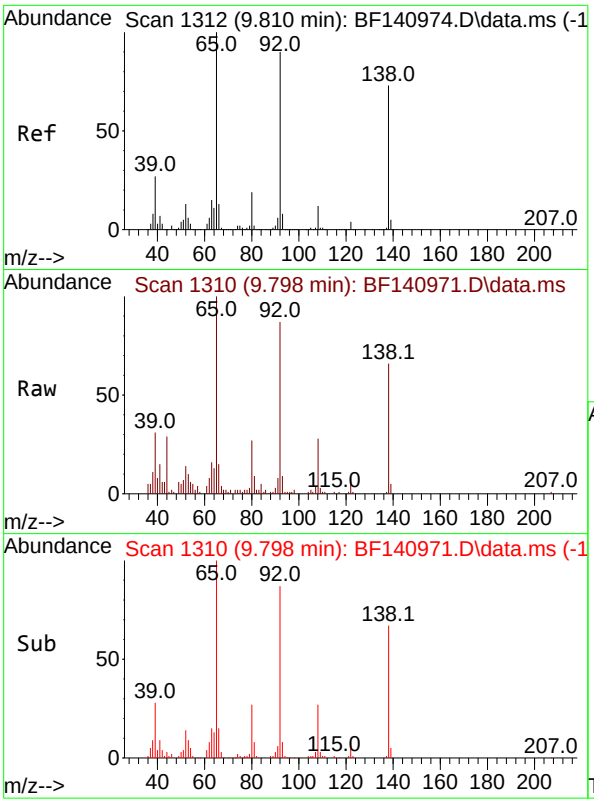


#52
Acenaphthene
Concen: 5.576 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:154 Resp: 171603

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.2	133.8
152	50.8	40.9	61.3



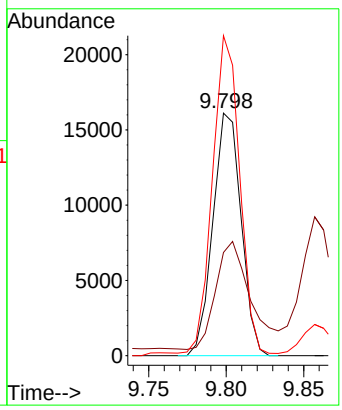


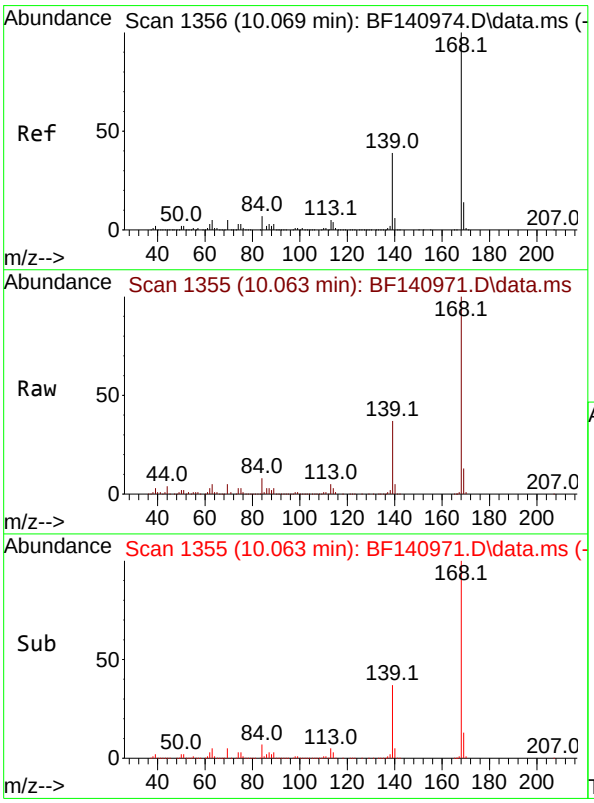
#53
3-Nitroaniline
Concen: 5.713 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 20408

Ion	Ratio	Lower	Upper
138	100		
108	42.5	13.5	20.3#
92	131.9	97.7	146.5

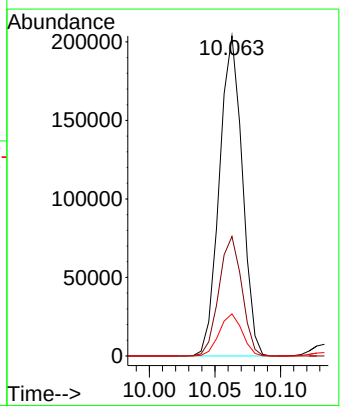


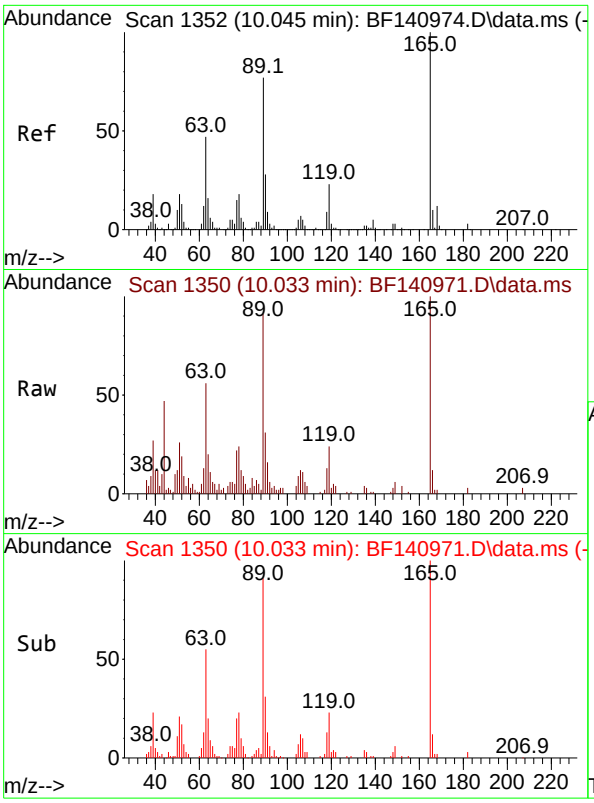


#55
Dibenzofuran
Concen: 5.715 ng
RT: 10.063 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:168 Resp: 247167

Ion	Ratio	Lower	Upper
168	100		
139	37.4	31.6	47.4
169	13.1	11.0	16.6



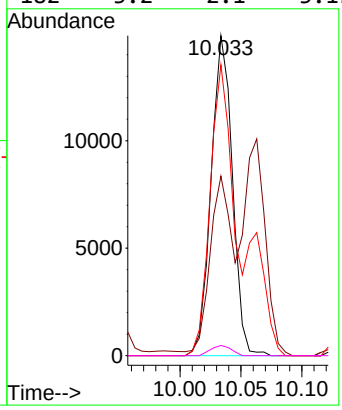


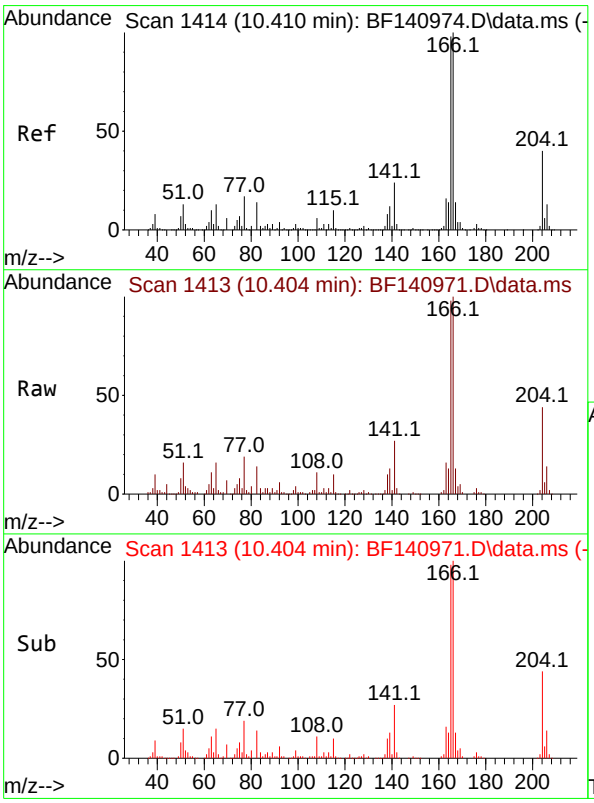
#57
2,4-Dinitrotoluene
Concen: 6.371 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 18052

Ion	Ratio	Lower	Upper
165	100		
63	56.1	38.1	57.1
89	90.9	61.4	92.2
182	3.2	2.1	3.1#

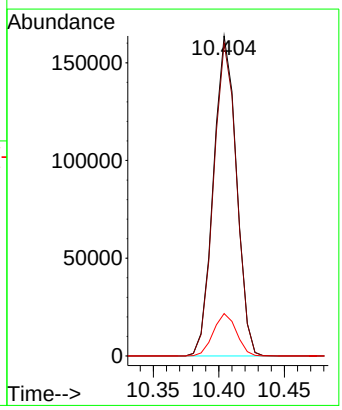


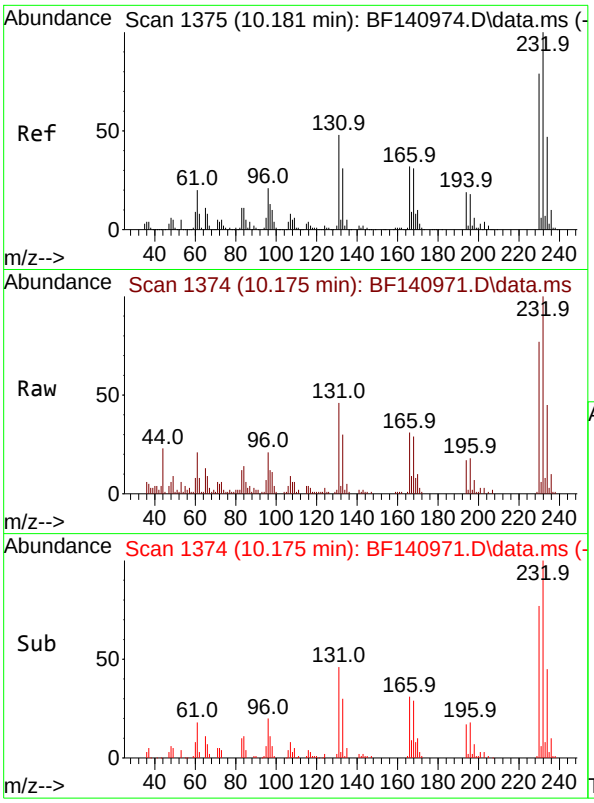


#58
Fluorene
Concen: 5.943 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:166 Resp: 199322

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.3	117.5
167	13.3	10.9	16.3



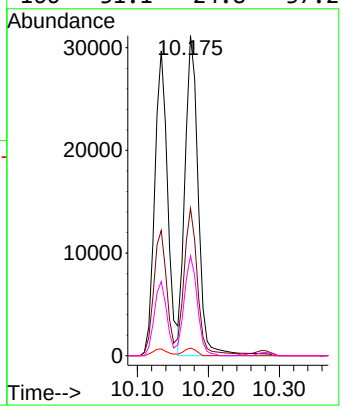


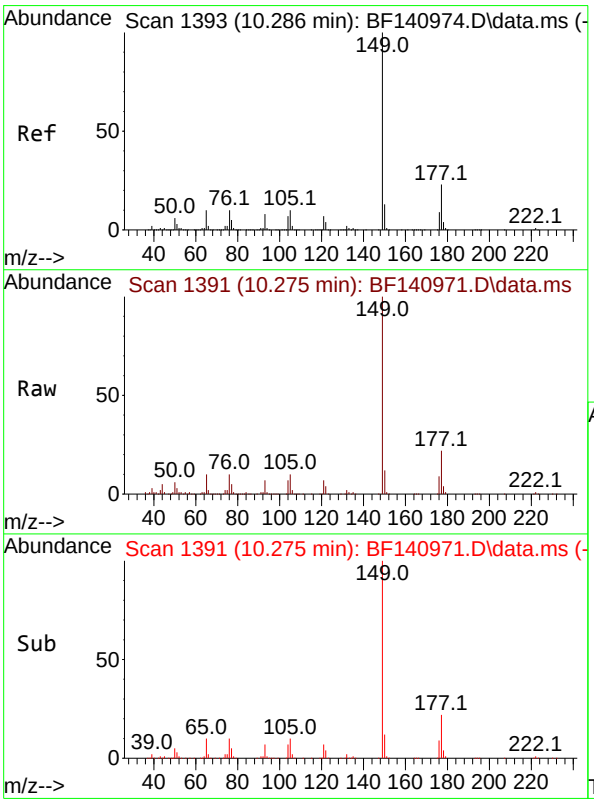
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.882 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 40337

Ion	Ratio	Lower	Upper
232	100		
131	47.2	37.4	56.2
130	2.3	1.8	2.8
166	31.1	24.8	37.2

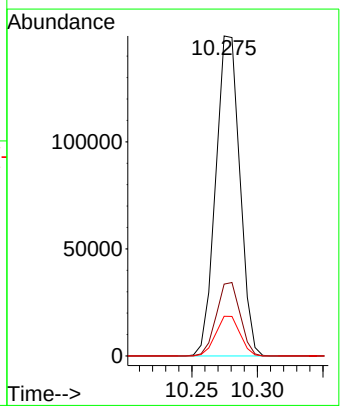


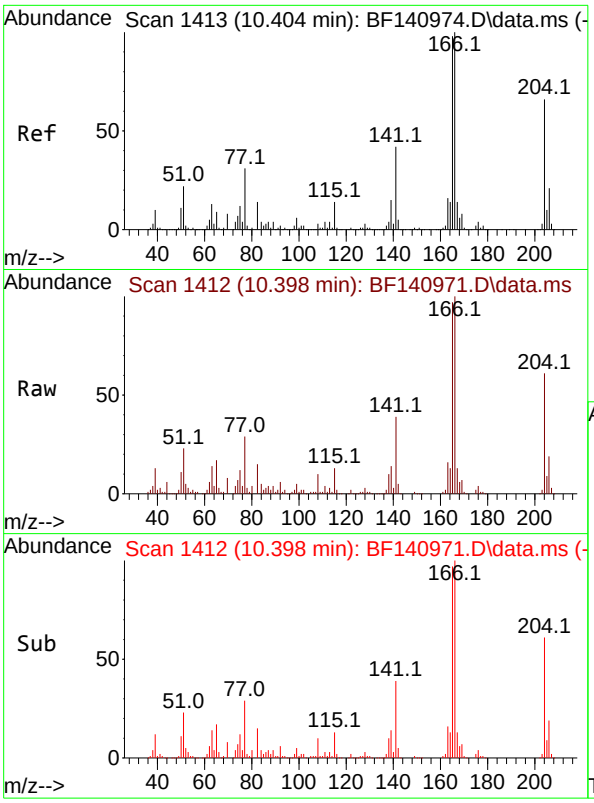


#60
Diethylphthalate
Concen: 5.518 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:149 Resp: 190810

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.3	27.5
150	12.4	10.4	15.6



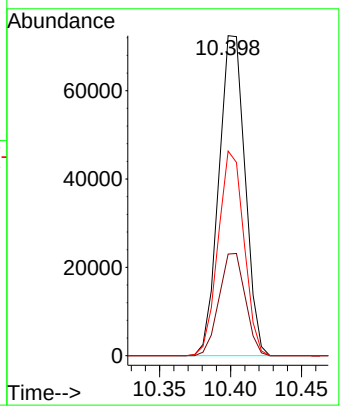


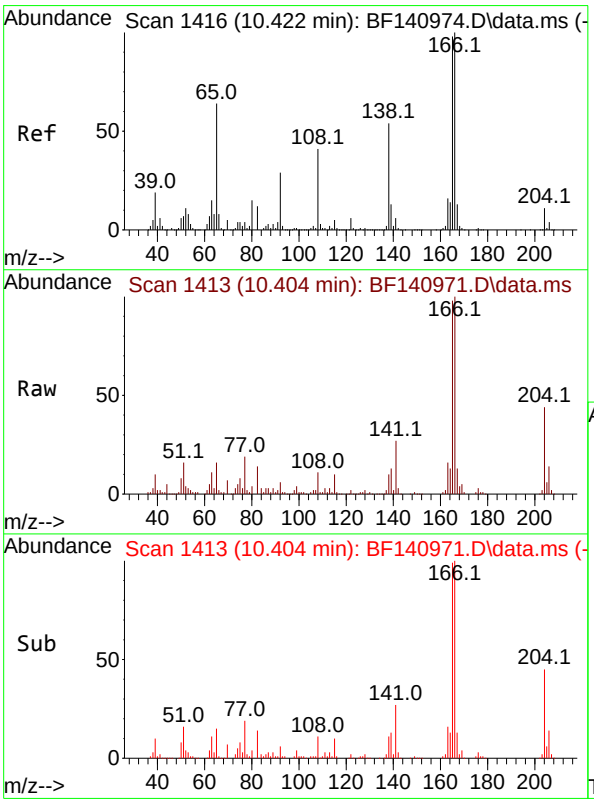
#61
4-Chlorophenyl-phenylether
Concen: 5.773 ng
RT: 10.398 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 93161

Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.8	38.6
141	64.0	51.2	76.8

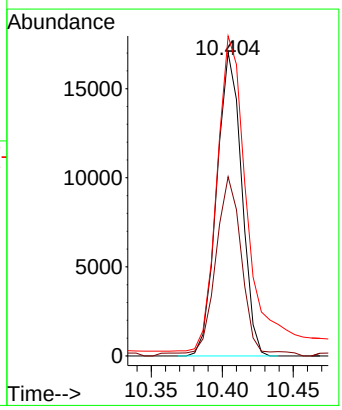


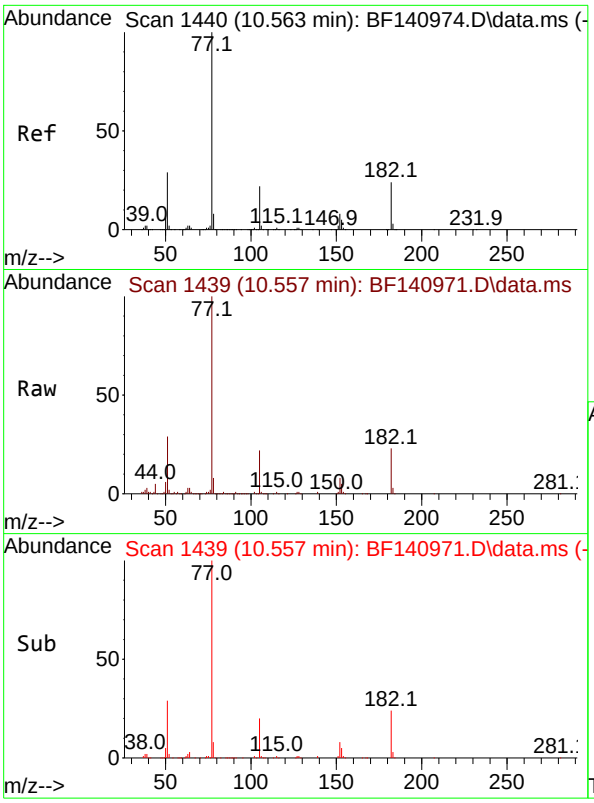


#62
4-Nitroaniline
Concen: 5.839 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:138 Resp: 20793

Ion	Ratio	Lower	Upper
138	100		
92	59.1	34.8	74.8
108	105.4	55.9	95.9#



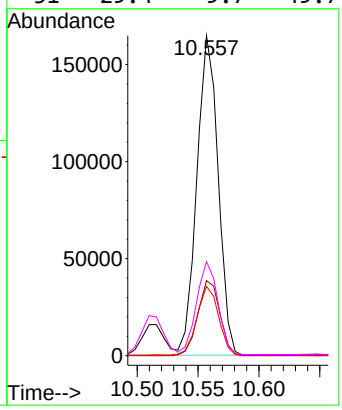


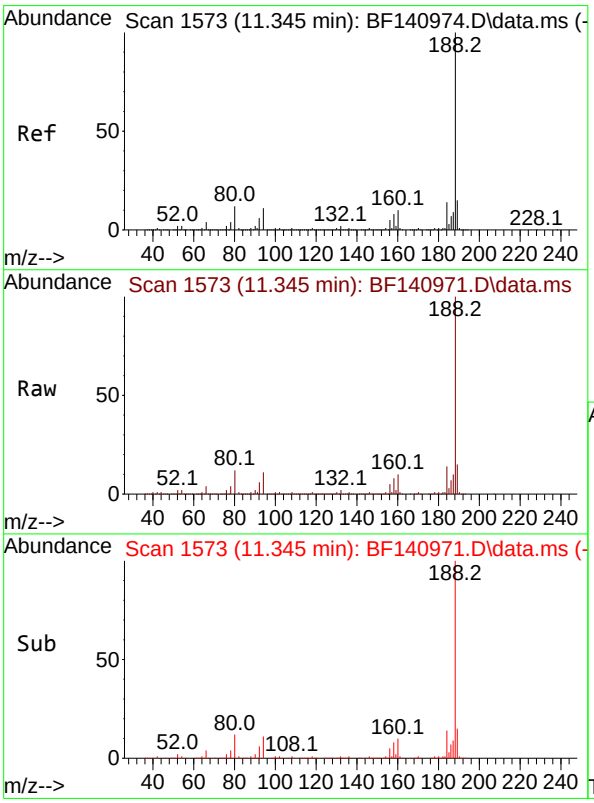
#63
Azobenzene
Concen: 5.508 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 199905

Ion	Ratio	Lower	Upper
77	100		
182	23.5	4.1	44.1
105	21.7	1.8	41.8
51	29.4	9.7	49.7

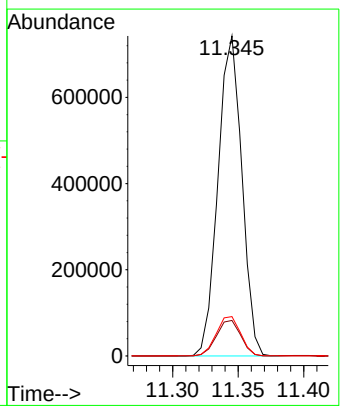


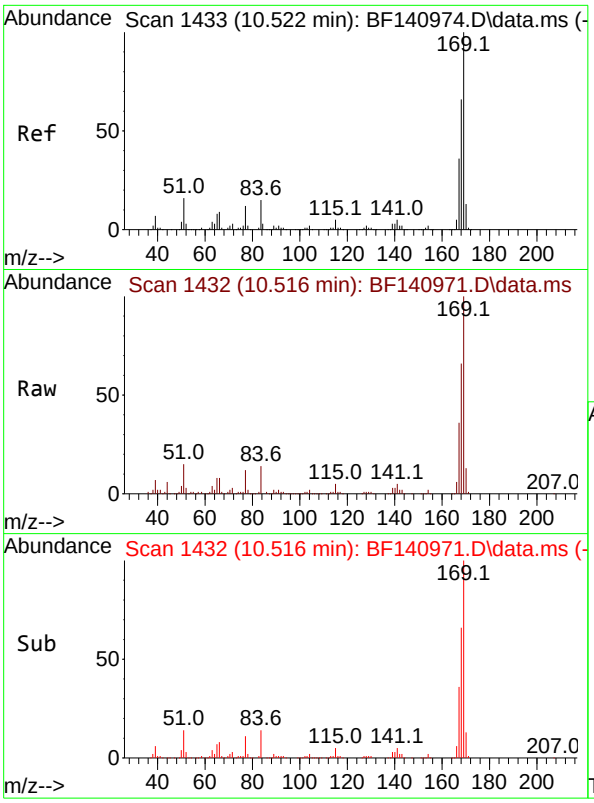


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:188 Resp: 938555

Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.0	13.6
80	12.3	9.8	14.6



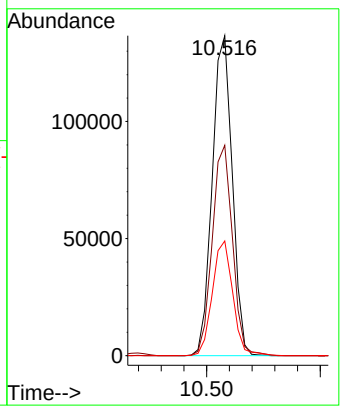


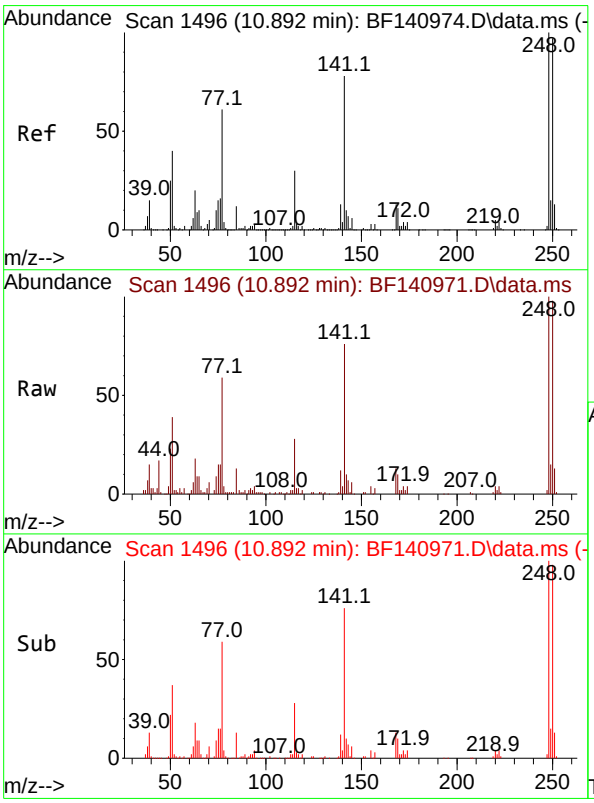
#66
n-Nitrosodiphenylamine
Concen: 5.654 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:169 Resp: 167108

Ion	Ratio	Lower	Upper
169	100		
168	65.8	52.6	79.0
167	35.8	29.0	43.4

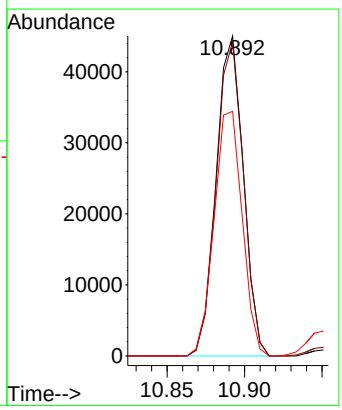


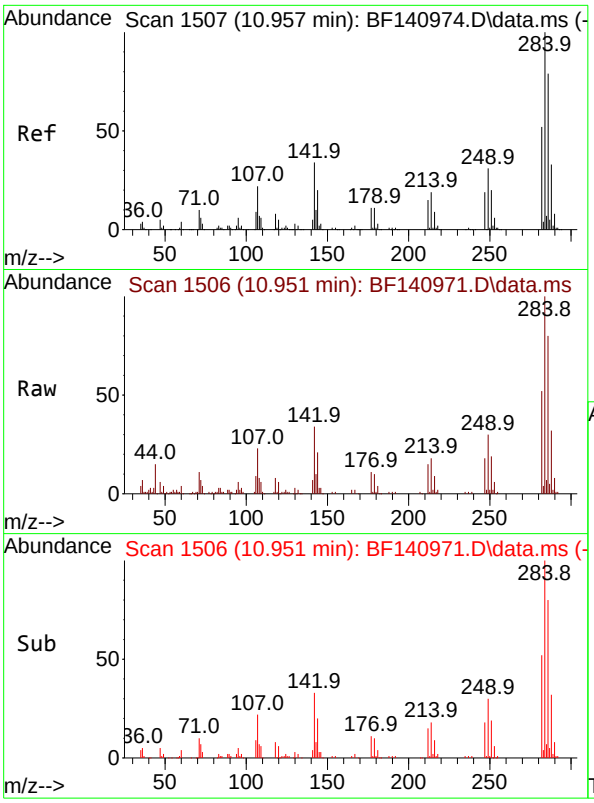


#67
4-Bromophenyl-phenylether
Concen: 5.442 ng
RT: 10.892 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:248 Resp: 55213

Ion	Ratio	Lower	Upper
248	100		
250	98.2	77.7	116.5
141	76.4	62.1	93.1



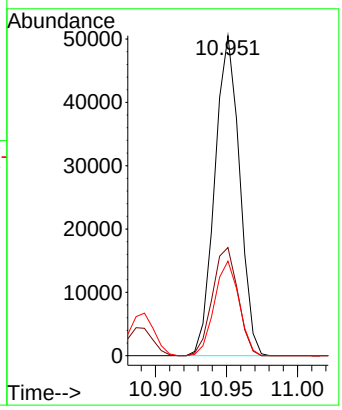


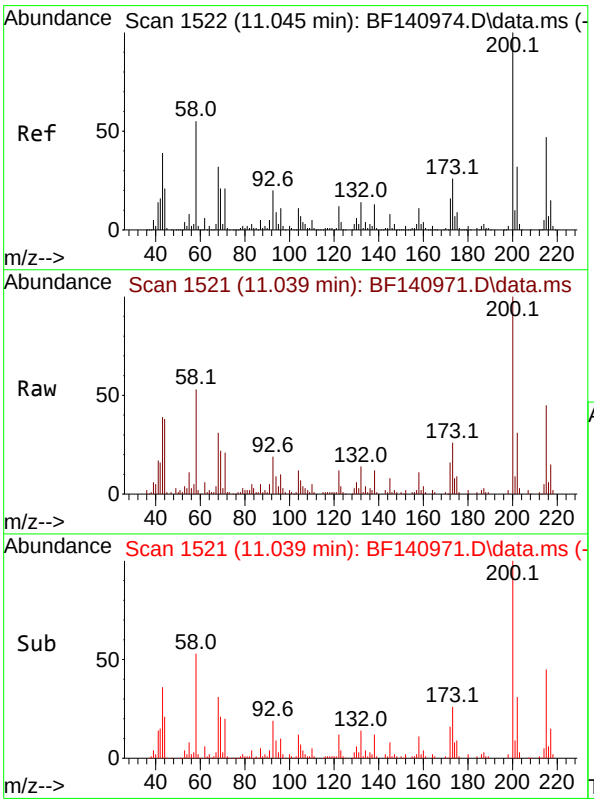
#68
Hexachlorobenzene
Concen: 5.483 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 61339

Ion	Ratio	Lower	Upper
284	100		
142	33.8	27.1	40.7
249	29.6	25.1	37.7

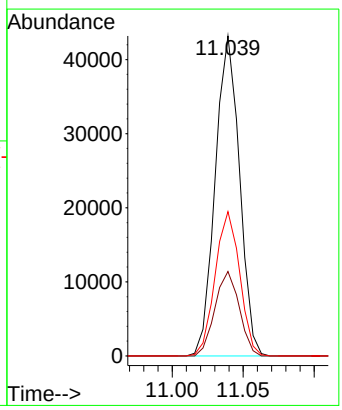


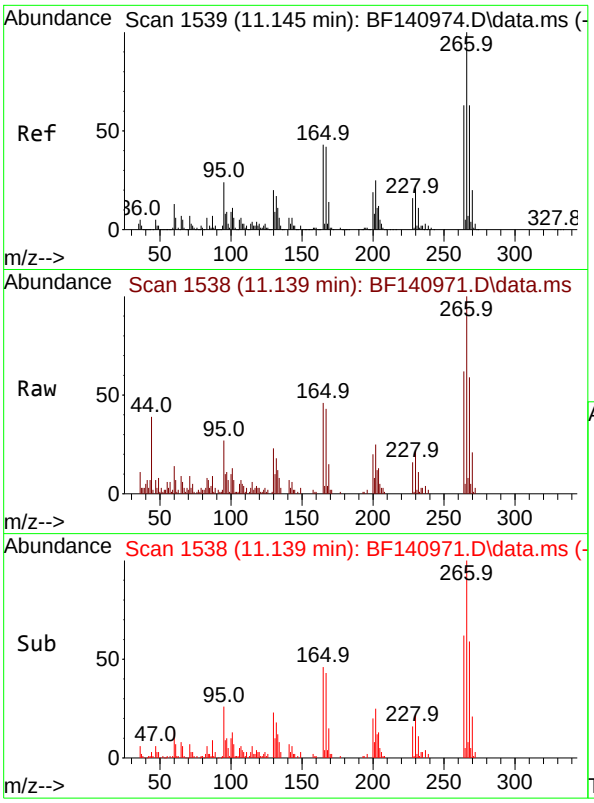


#69
Atrazine
Concen: 6.209 ng
RT: 11.039 min Scan# 1521
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:200 Resp: 51263

Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.4	46.4
215	45.1	27.2	67.2



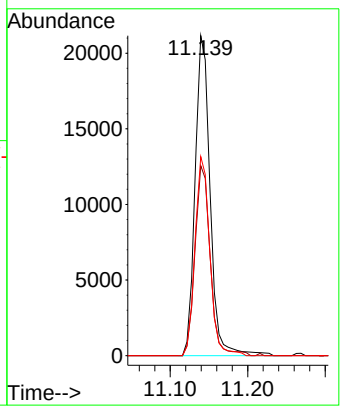


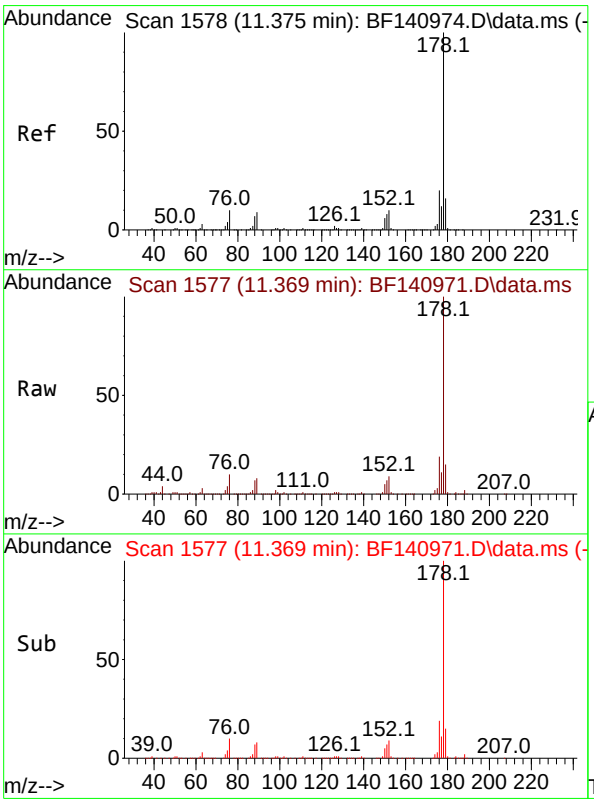
#70
Pentachlorophenol
Concen: 4.096 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:266 Resp: 28530

Ion	Ratio	Lower	Upper
266	100		
268	59.3	50.5	75.7
264	62.2	50.2	75.4

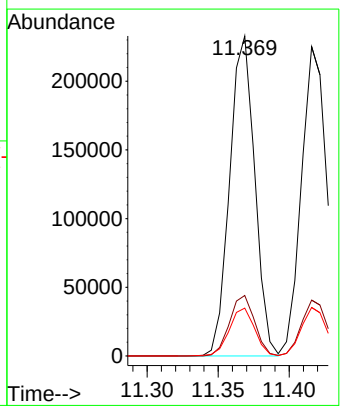


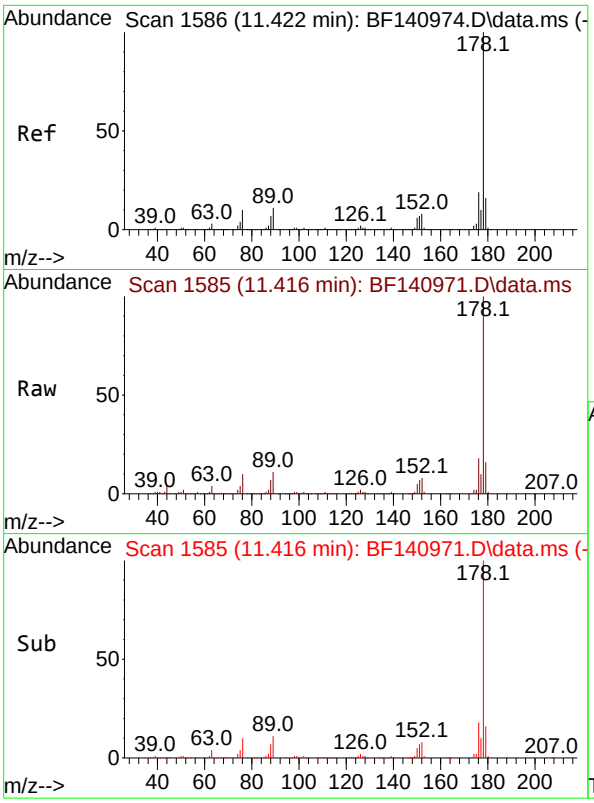


#71
Phenanthrene
Concen: 5.799 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:178 Resp: 286441

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	15.0	12.6	19.0



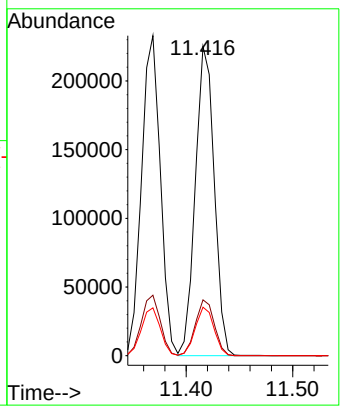


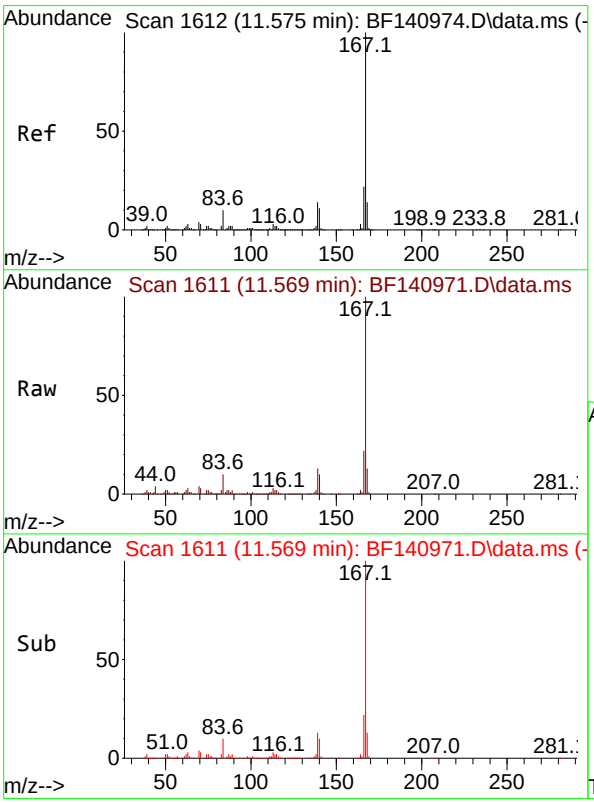
#72
Anthracene
Concen: 5.756 ng
RT: 11.416 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 278610

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.3	22.9
179	15.7	12.9	19.3

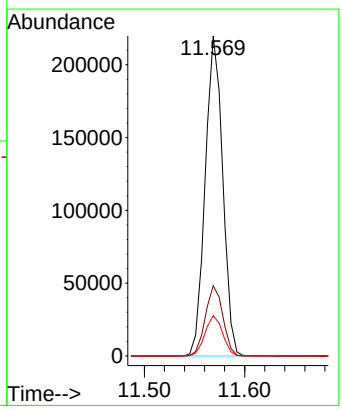


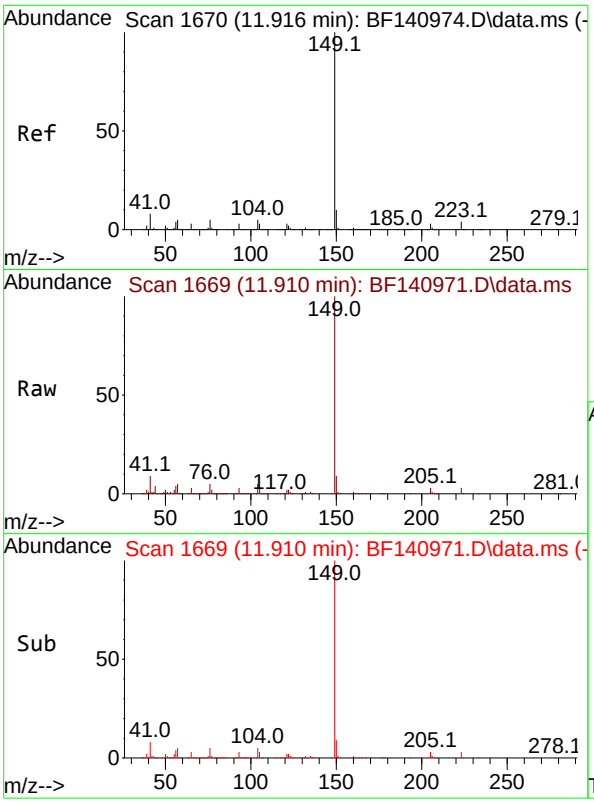


#73
Carbazole
Concen: 5.740 ng
RT: 11.569 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:167 Resp: 267065

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.5	26.3
139	12.6	11.0	16.4



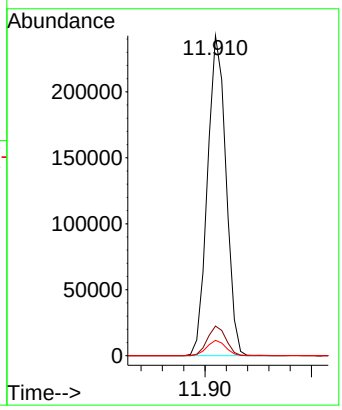


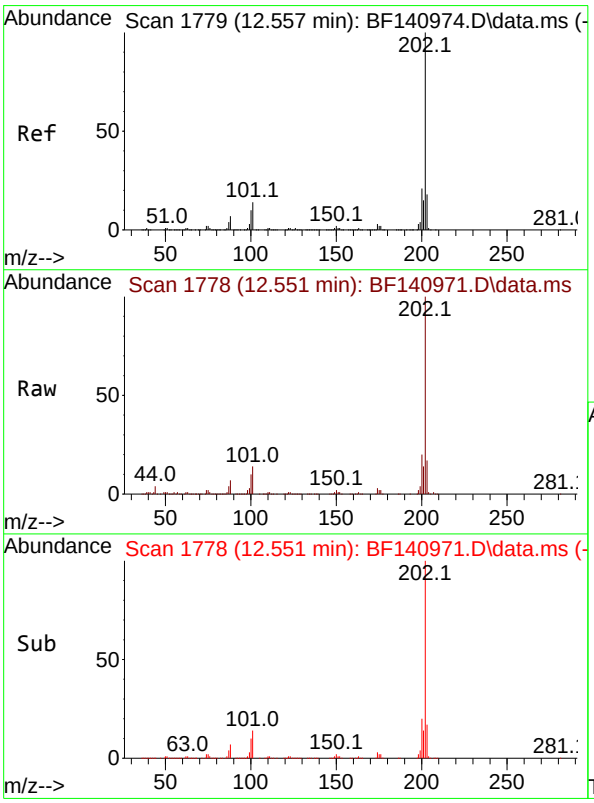
#74
Di-n-butylphthalate
Concen: 5.532 ng
RT: 11.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 292755

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.7	11.5
104	4.8	4.1	6.1

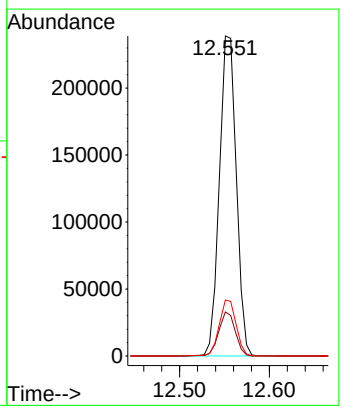


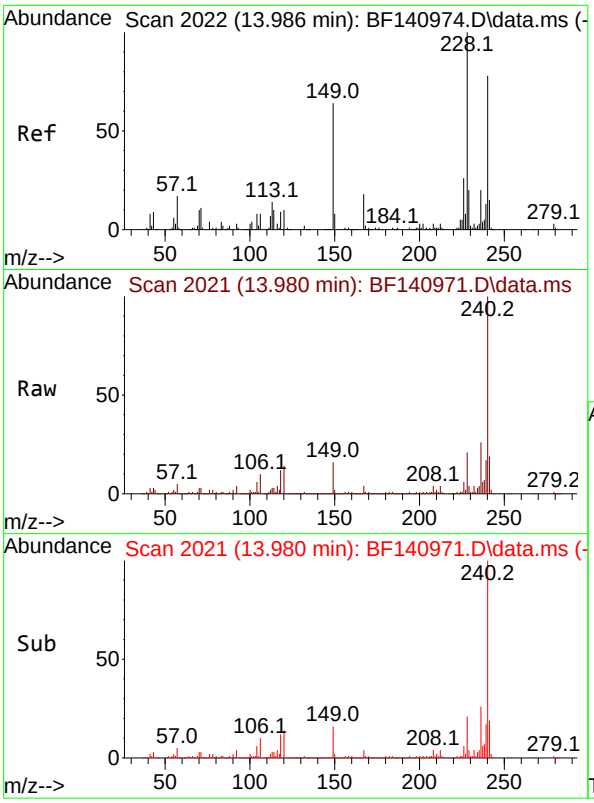


#75
Fluoranthene
Concen: 5.836 ng
RT: 12.551 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:202 Resp: 312668

Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.7
203	17.5	0.0	38.1



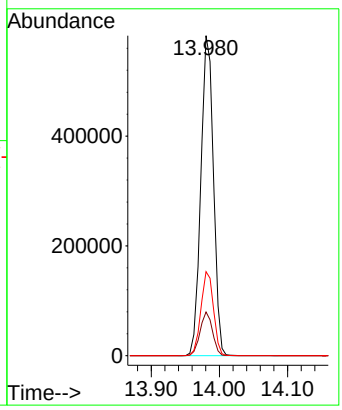


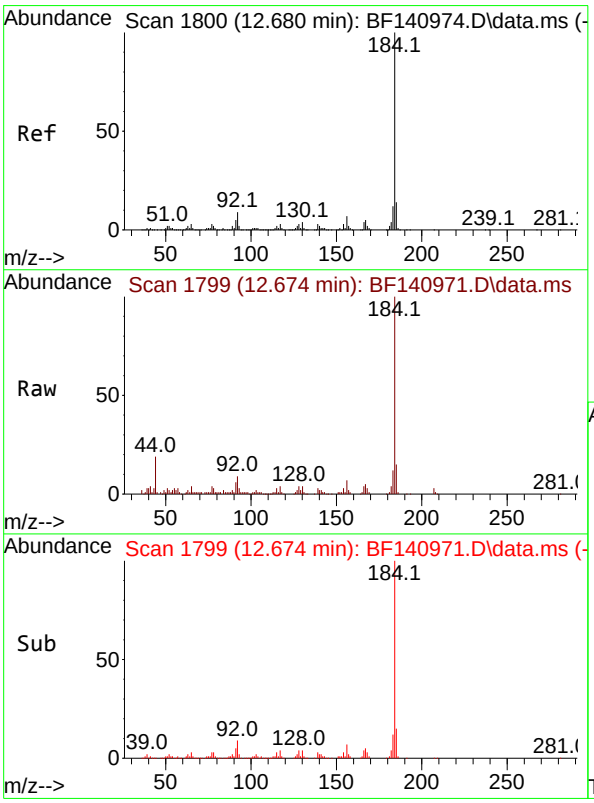
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 749775

Ion	Ratio	Lower	Upper
240	100		
120	13.7	10.7	16.1
236	26.3	20.6	31.0

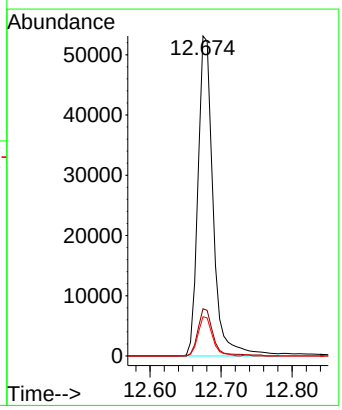


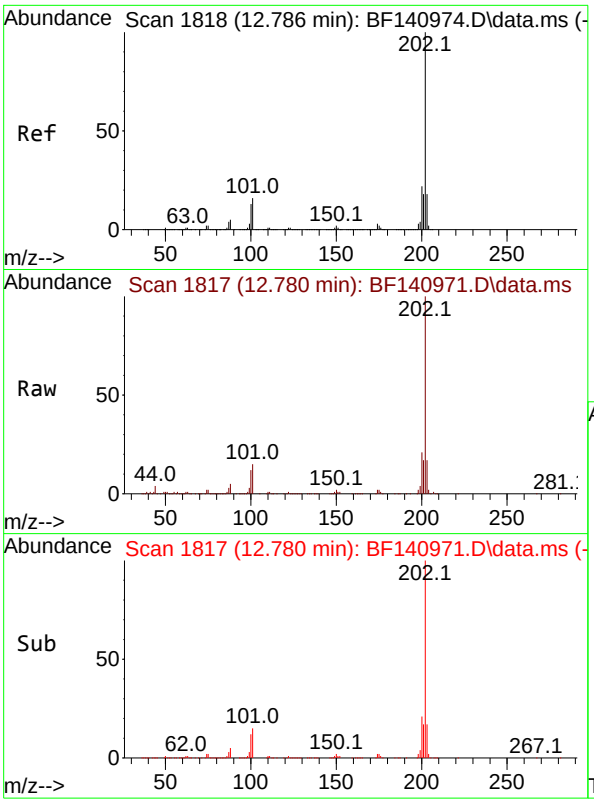


#77
Benzidine
Concen: 4.990 ng
RT: 12.674 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:184 Resp: 79065

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.4	17.2
183	12.3	9.4	14.0



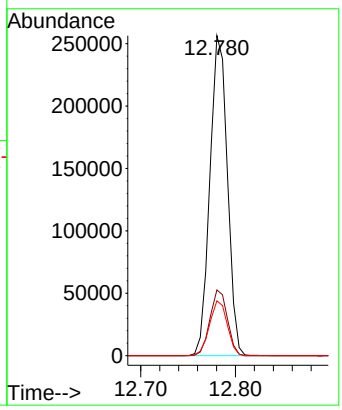


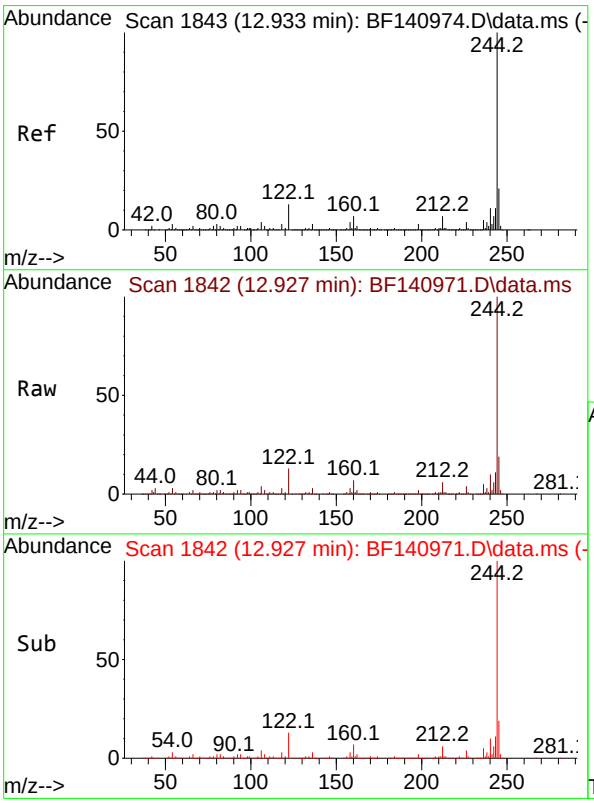
#78
Pyrene
Concen: 5.014 ng
RT: 12.780 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 328787

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.3	25.9
203	17.2	14.6	21.8

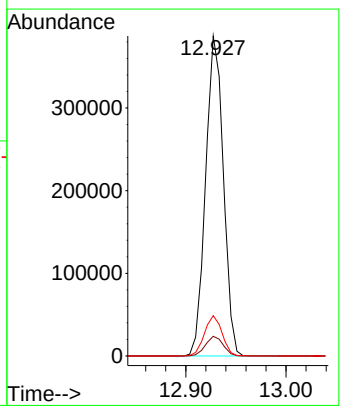


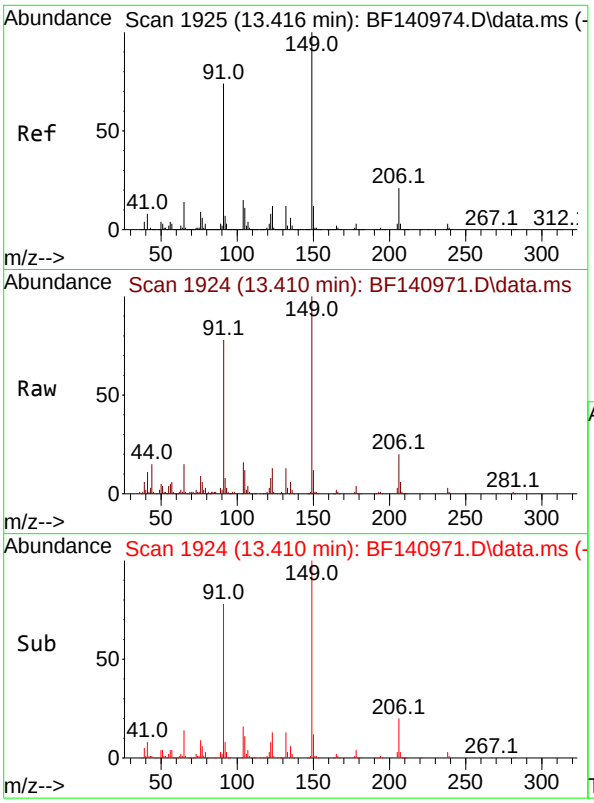


#79
Terphenyl-d14
Concen: 10.588 ng
RT: 12.927 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:244 Resp: 477948

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.7	8.5
122	12.6	10.2	15.2



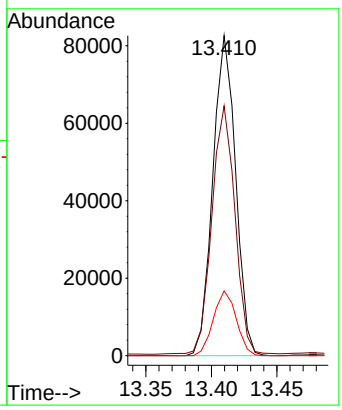


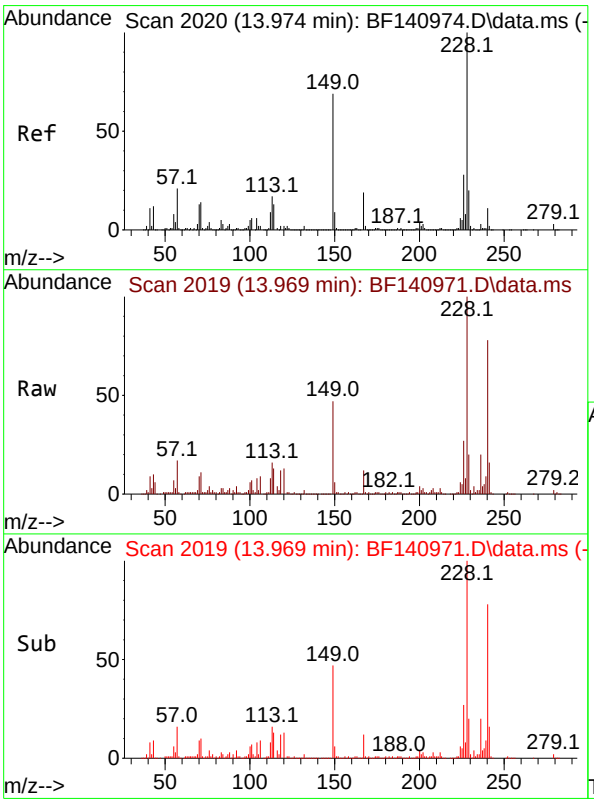
#80
Butylbenzylphthalate
Concen: 4.162 ng
RT: 13.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 99667

Ion	Ratio	Lower	Upper
149	100		
91	78.1	59.5	89.3
206	20.3	17.1	25.7

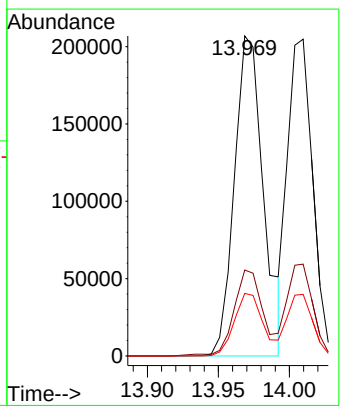


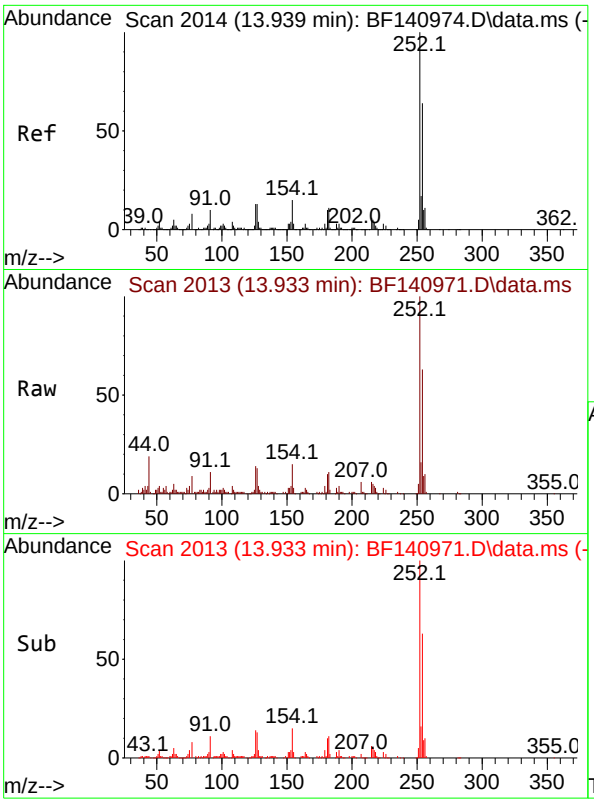


#81
Benzo(a)anthracene
Concen: 5.641 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:228 Resp: 294772

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	19.5	16.2	24.2



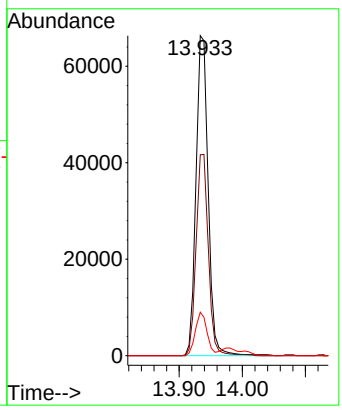


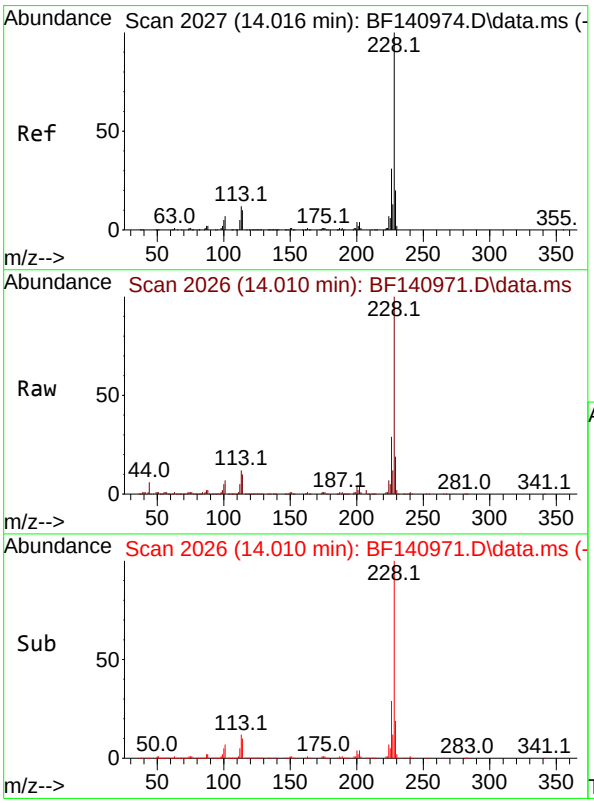
#82
3,3'-Dichlorobenzidine
Concen: 5.658 ng
RT: 13.933 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 88822

Ion	Ratio	Lower	Upper
252	100		
254	62.8	51.5	77.3
126	13.6	10.3	15.5

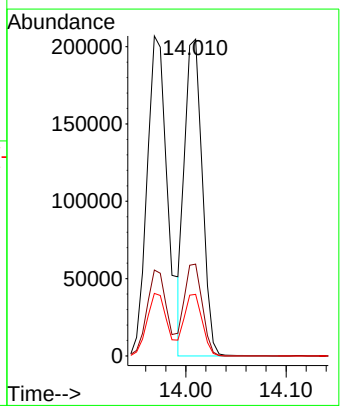


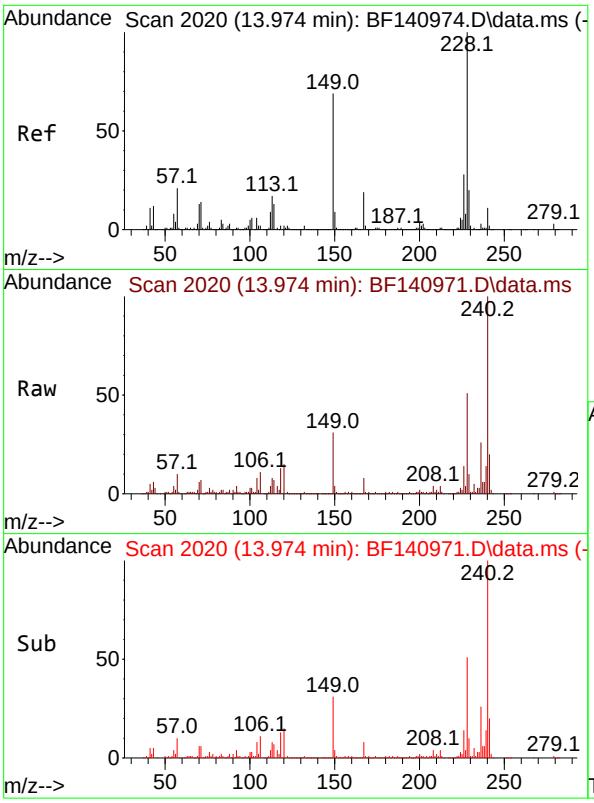


#83
Chrysene
Concen: 5.335 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:228 Resp: 251288

Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.5	36.7
229	19.4	16.2	24.4



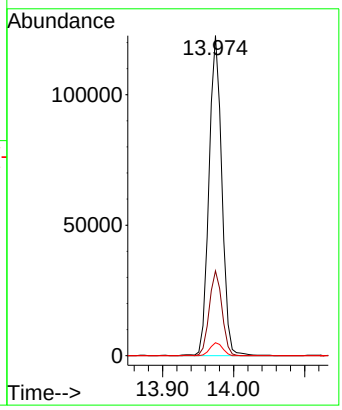


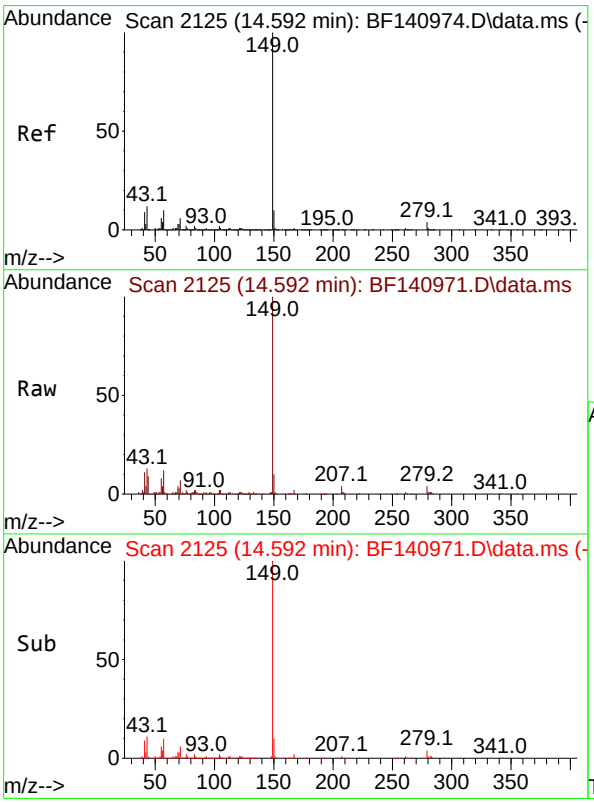
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.960 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 154045

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.6	32.4
279	4.1	3.2	4.8

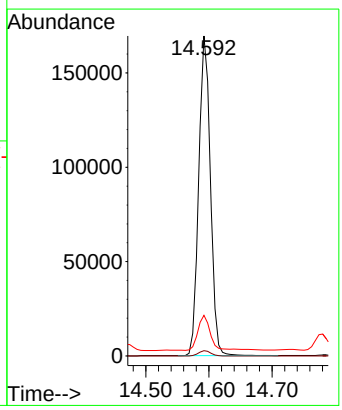


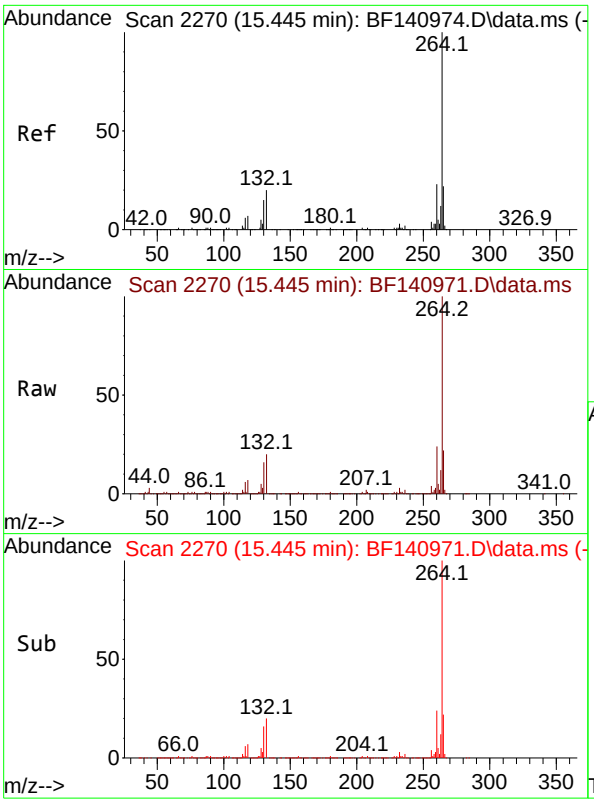


#85
Di-n-octyl phthalate
Concen: 4.825 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:149 Resp: 216905

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	12.2	9.3	13.9



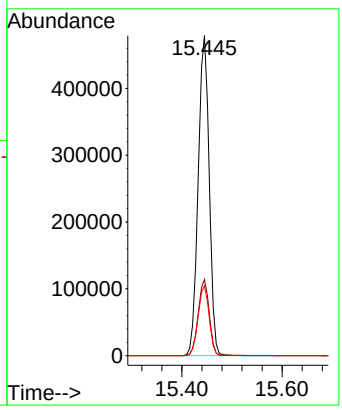


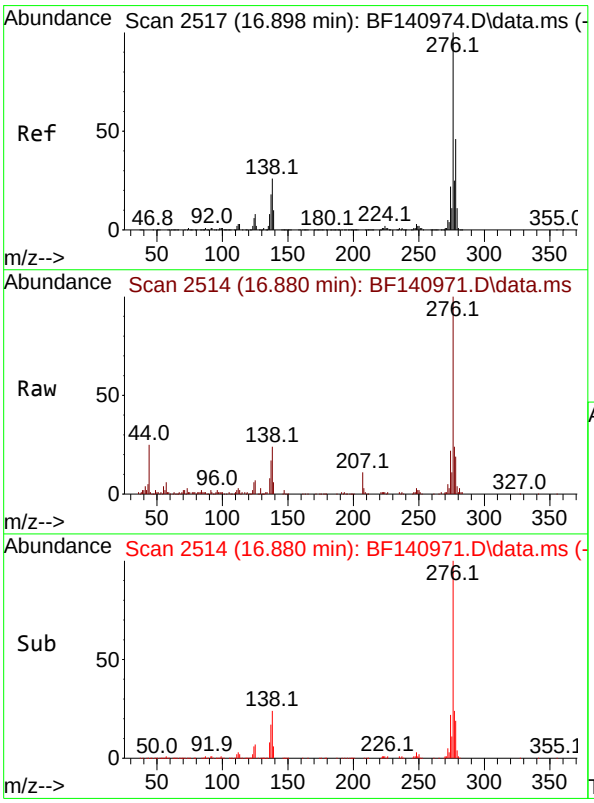
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 730672

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.8	17.4	26.2

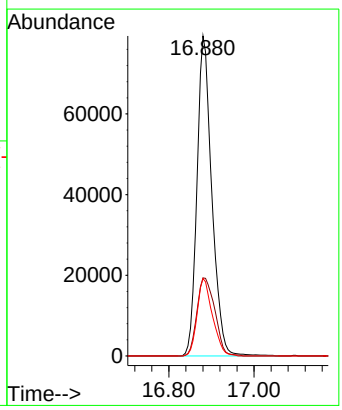


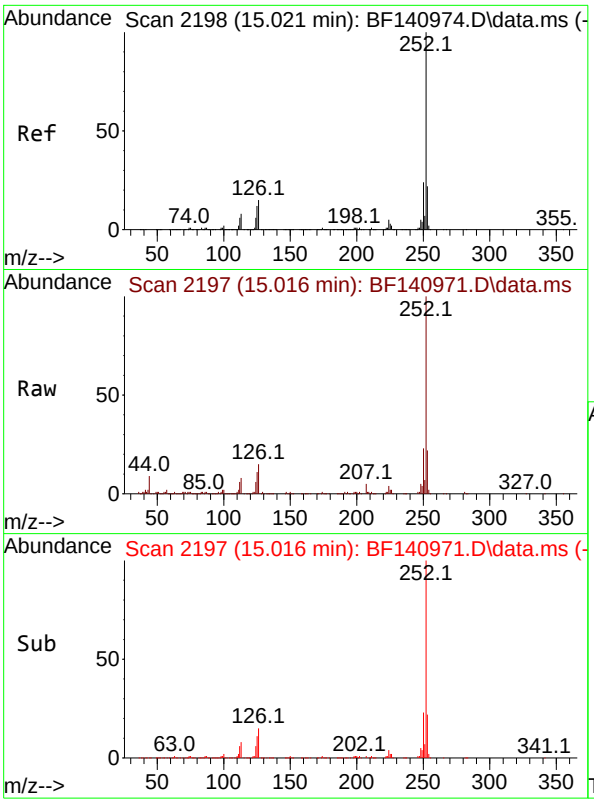


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.166 ng
RT: 16.880 min Scan# 2514
Delta R.T. -0.018 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:276 Resp: 191761

Ion	Ratio	Lower	Upper
276	100		
138	29.3	23.1	34.7
277	25.0	20.4	30.6



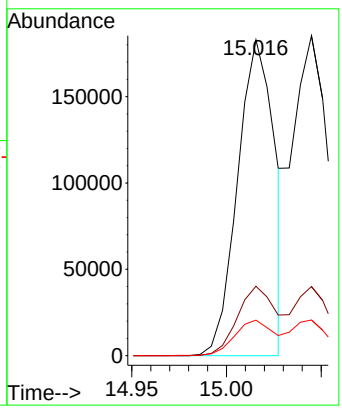


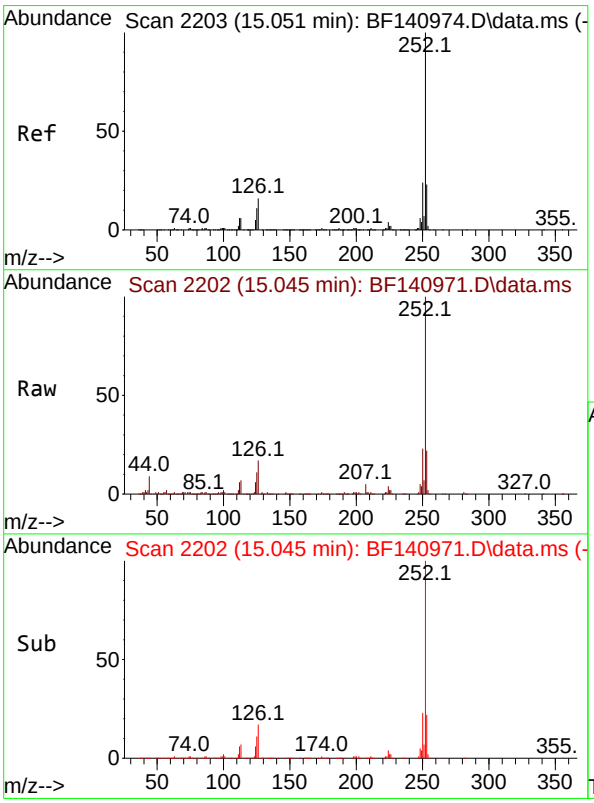
#88
Benzo(b)fluoranthene
Concen: 4.876 ng
RT: 15.016 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 248464

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.3	9.3	13.9

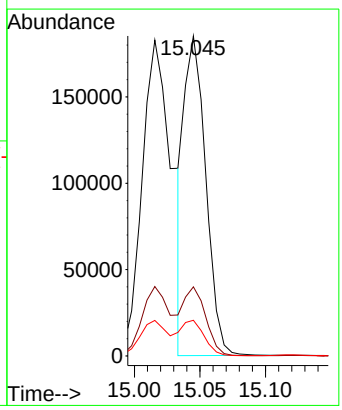


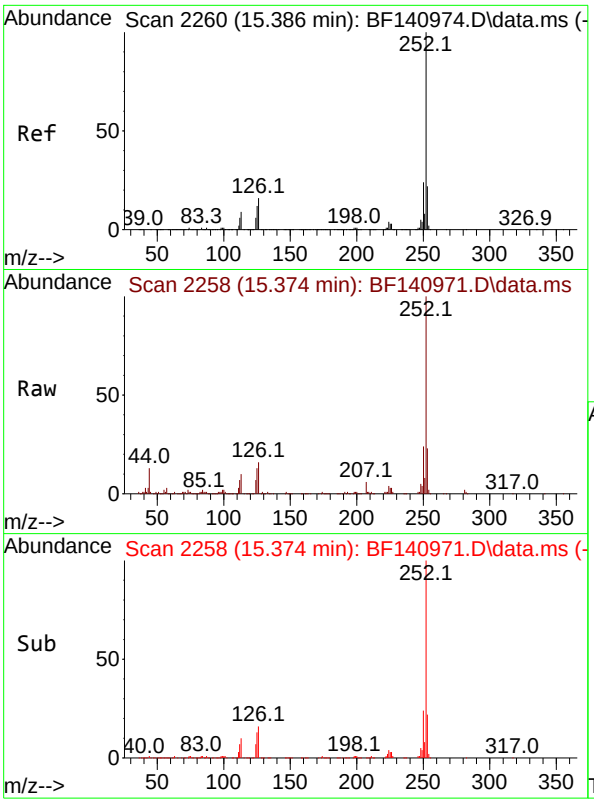


#89
Benzo(k)fluoranthene
Concen: 5.330 ng
RT: 15.045 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:252 Resp: 212890

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	11.1	9.4	14.0



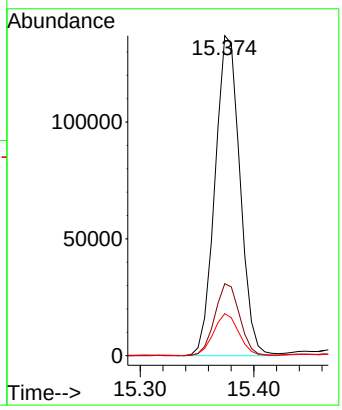


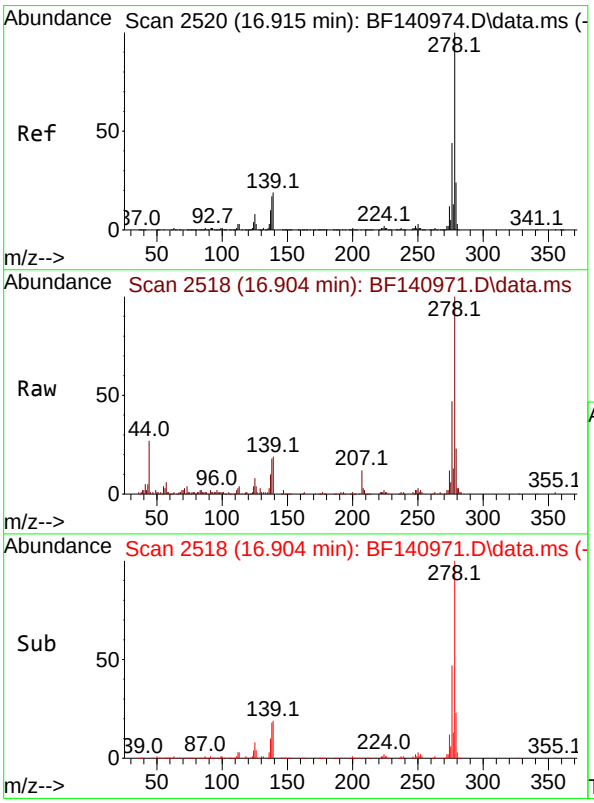
#90
Benzo(a)pyrene
Concen: 5.294 ng
RT: 15.374 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 209418

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	13.1	9.8	14.8

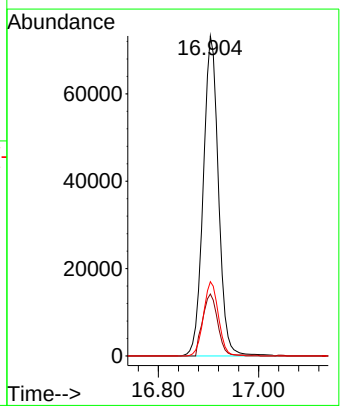


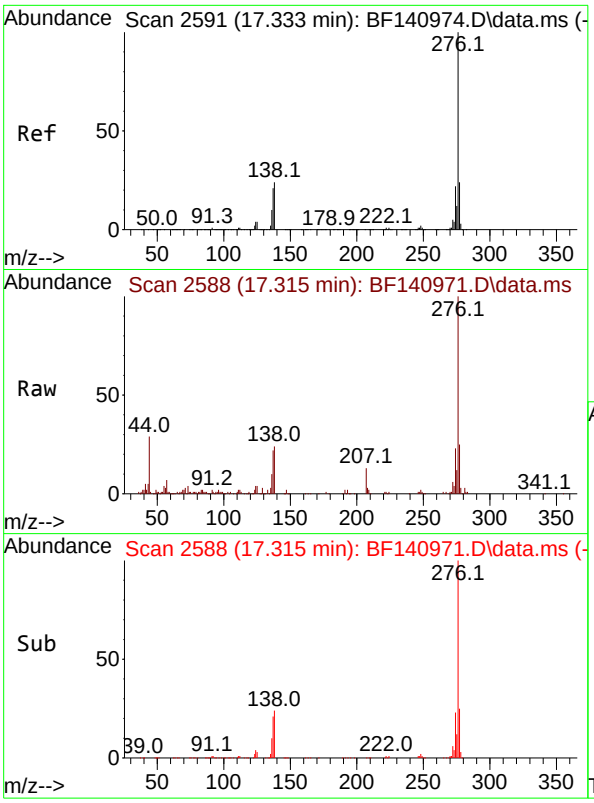


#91
Dibenzo(a,h)anthracene
Concen: 4.147 ng
RT: 16.904 min Scan# 2518
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:278 Resp: 154741

Ion	Ratio	Lower	Upper
278	100		
139	19.4	14.9	22.3
279	23.2	19.0	28.6



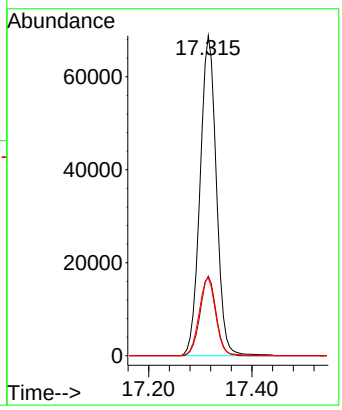


#92
Benzo(g,h,i)perylene
Concen: 3.893 ng
RT: 17.315 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 150669

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.4
138	24.3	19.4	29.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140972.D
Acq On : 26 Dec 2024 17:15
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Dec 27 00:19:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.828	152	251125	20.000	ng		0.00
21) Naphthalene-d8	8.110	136	1005088	20.000	ng		0.00
39) Acenaphthene-d10	9.857	164	539677	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	960019	20.000	ng		0.00
76) Chrysene-d12	13.986	240	769052	20.000	ng		0.00
86) Perylene-d12	15.439	264	725753	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	357171	21.439	ng		0.00
7) Phenol-d6	6.440	99	461726	21.514	ng		-0.01
23) Nitrobenzene-d5	7.387	82	277918	17.691	ng		0.00
42) 2,4,6-Tribromophenol	10.645	330	102029	19.456	ng		0.00
45) 2-Fluorobiphenyl	9.181	172	783402	23.128	ng		0.00
79) Terphenyl-d14	12.927	244	908253	19.616	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.563	88	77981	10.339	ng		99
3) Pyridine	3.305	79	196202	10.644	ng		98
4) n-Nitrosodimethylamine	3.234	42	92623	9.918	ng	#	99
6) Aniline	6.487	93	213768	11.168	ng		98
8) 2-Chlorophenol	6.604	128	186317	10.608	ng		99
9) Benzaldehyde	6.375	77	149809	7.569	ng		98
10) Phenol	6.451	94	236093	10.639	ng		97
11) bis(2-Chloroethyl)ether	6.557	93	185749	10.376	ng		100
12) 1,3-Dichlorobenzene	6.769	146	209098	10.787	ng		99
13) 1,4-Dichlorobenzene	6.845	146	212166	10.857	ng		98
14) 1,2-Dichlorobenzene	6.998	146	199494	10.949	ng		99
15) Benzyl Alcohol	6.957	79	160122	10.383	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	290964	10.738	ng		99
17) 2-Methylphenol	7.069	107	151661	10.393	ng		98
18) Hexachloroethane	7.340	117	71922	10.361	ng		97
19) n-Nitroso-di-n-propyla...	7.234	70	141506	10.763	ng		98
20) 3+4-Methylphenols	7.222	107	203866	11.040	ng		91
22) Acetophenone	7.228	105	268709	10.898	ng		98
24) Nitrobenzene	7.404	77	160105	9.121	ng		100
25) Isophorone	7.640	82	354894	10.381	ng		97
26) 2-Nitrophenol	7.722	139	39980	10.245	ng		99
27) 2,4-Dimethylphenol	7.751	122	128382	10.276	ng		98
28) bis(2-Chloroethoxy)met...	7.857	93	232407	10.730	ng		99
29) 2,4-Dichlorophenol	7.957	162	145068	10.238	ng		100
30) 1,2,4-Trichlorobenzene	8.051	180	168369	10.498	ng		99
31) Naphthalene	8.128	128	579991	10.951	ng		98
32) Benzoic acid	7.810	122	49591	11.743	ng		99
33) 4-Chloroaniline	8.175	127	199889	10.433	ng		99
34) Hexachlorobutadiene	8.251	225	100026	10.579	ng		100
35) Caprolactam	8.504	113	47868	9.936	ng		98
36) 4-Chloro-3-methylphenol	8.639	107	160989	10.230	ng		100
37) 2-Methylnaphthalene	8.816	142	372101	10.982	ng		99
38) 1-Methylnaphthalene	8.916	142	363059	10.903	ng		100
40) 1,2,4,5-Tetrachloroben...	8.981	216	158150	10.652	ng		99
41) Hexachlorocyclopentadiene	8.975	237	47532	9.661	ng		97
43) 2,4,6-Trichlorophenol	9.087	196	96190	9.734	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140972.D
Acq On : 26 Dec 2024 17:15
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Dec 27 00:19:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	104859	10.371	ng		99
46) 1,1'-Biphenyl	9.281	154	457591	11.074	ng		99
47) 2-Chloronaphthalene	9.304	162	348834	10.884	ng		98
48) 2-Nitroaniline	9.392	65	49140	9.938	ng		99
49) Acenaphthylene	9.722	152	504423	10.933	ng		99
50) Dimethylphthalate	9.575	163	381476	10.746	ng		99
51) 2,6-Dinitrotoluene	9.639	165	46772	9.624	ng		97
52) Acenaphthene	9.892	154	334623	10.729	ng		100
53) 3-Nitroaniline	9.804	138	53244	9.568	ng	#	93
54) 2,4-Dinitrophenol	9.904	184	10078	11.150	ng	#	1
55) Dibenzofuran	10.063	168	480351	10.959	ng		97
56) 4-Nitrophenol	9.945	139	44755	7.370	ng		94
57) 2,4-Dinitrotoluene	10.034	165	50385	9.654	ng		90
58) Fluorene	10.404	166	386427	11.369	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.175	232	81766	9.765	ng		98
60) Diethylphthalate	10.281	149	374095	10.675	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	181693	11.109	ng		97
62) 4-Nitroaniline	10.410	138	54741	9.821	ng		91
63) Azobenzene	10.557	77	395397	10.749	ng		99
65) 4,6-Dinitro-2-methylph...	10.439	198	15689	12.644	ng		91
66) n-Nitrosodiphenylamine	10.516	169	324220	10.725	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	110052	10.604	ng		98
68) Hexachlorobenzene	10.951	284	118361	10.343	ng		97
69) Atrazine	11.039	200	98299	11.639	ng		99
70) Pentachlorophenol	11.139	266	65934	9.254	ng		99
71) Phenanthrene	11.369	178	560414	11.091	ng		98
72) Anthracene	11.416	178	545401	11.016	ng		98
73) Carbazole	11.569	167	524879	11.028	ng		99
74) Di-n-butylphthalate	11.910	149	594457	10.981	ng		99
75) Fluoranthene	12.557	202	611729	11.163	ng		98
77) Benzidine	12.680	184	127969	7.873	ng		99
78) Pyrene	12.780	202	642229	9.549	ng		98
80) Butylbenzylphthalate	13.410	149	219532	8.939	ng		97
81) Benzo(a)anthracene	13.974	228	558462	10.419	ng		99
82) 3,3'-Dichlorobenzidine	13.939	252	174840	10.857	ng		97
83) Chrysene	14.010	228	511519	10.587	ng		99
84) Bis(2-ethylhexyl)phtha...	13.974	149	323647	10.159	ng		100
85) Di-n-octyl phthalate	14.592	149	473516	10.269	ng		100
87) Indeno(1,2,3-cd)pyrene	16.880	276	365994	8.004	ng		100
88) Benzo(b)fluoranthene	15.016	252	567548	11.213	ng		99
89) Benzo(k)fluoranthene	15.045	252	406884	10.256	ng		99
90) Benzo(a)pyrene	15.374	252	401924	10.230	ng		99
91) Dibenzo(a,h)anthracene	16.904	278	300782	8.115	ng		99
92) Benzo(g,h,i)perylene	17.315	276	294254	7.654	ng		100

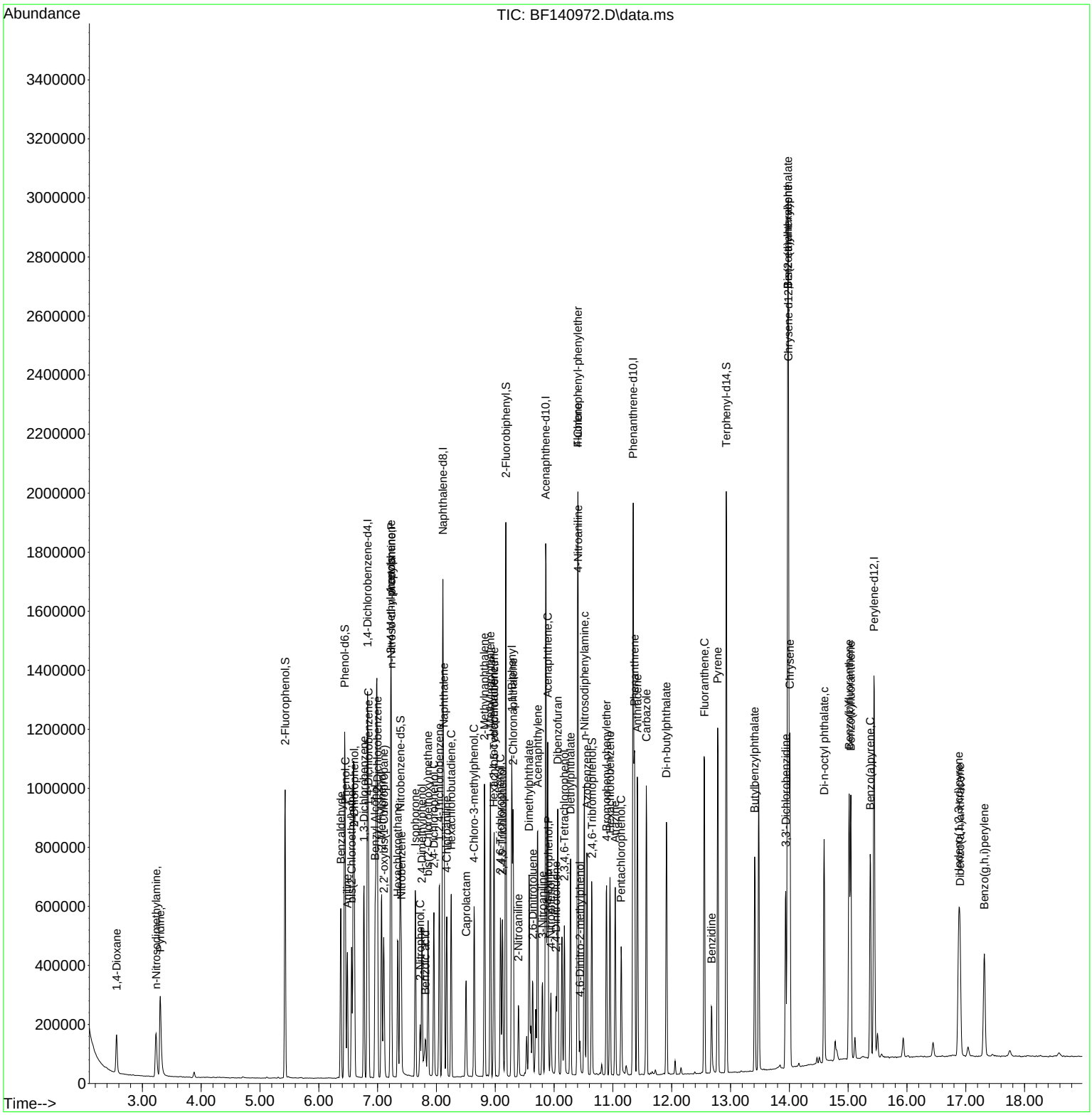
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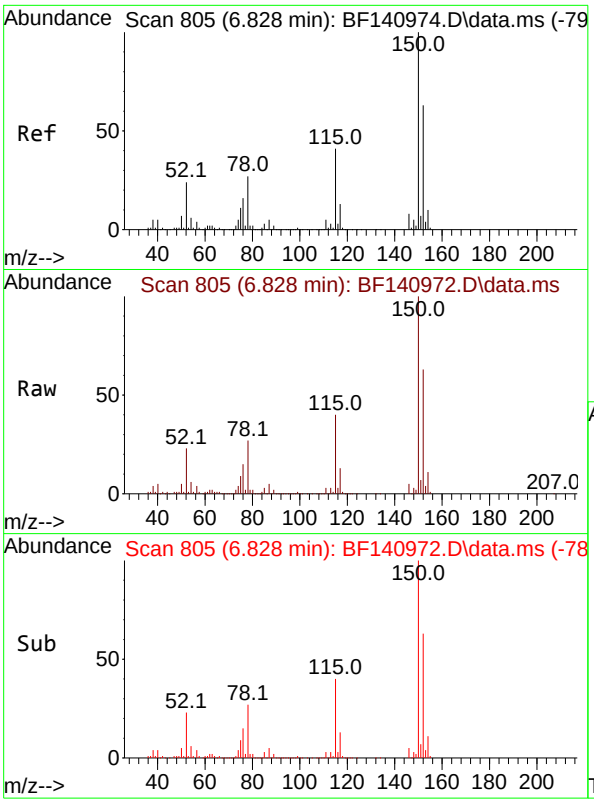
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140972.D
Acq On : 26 Dec 2024 17:15
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Dec 27 00:19:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration



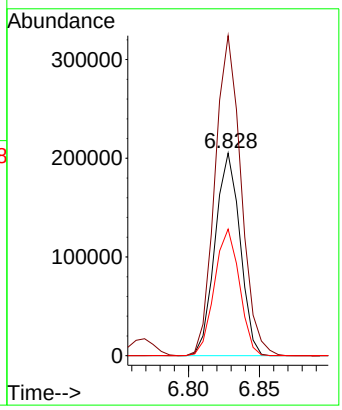


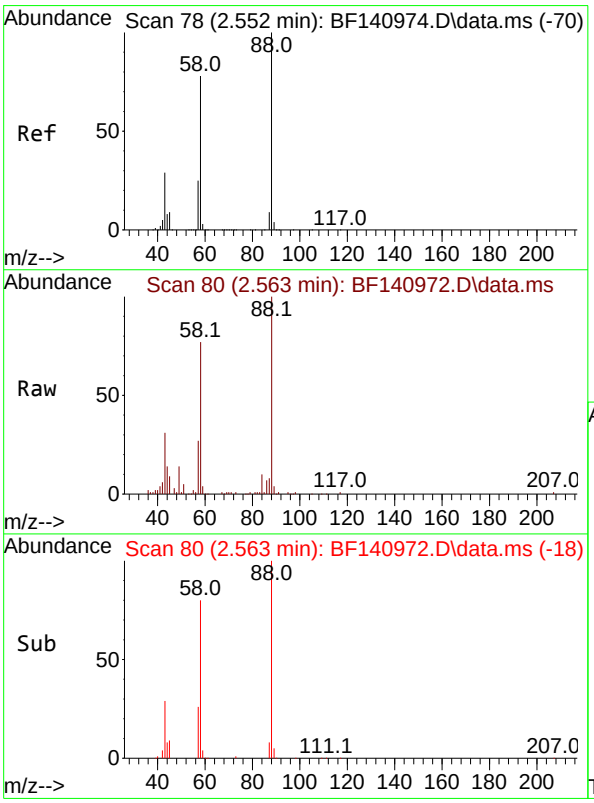
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 251125

Ion	Ratio	Lower	Upper
152	100		
150	158.0	127.0	190.6
115	62.5	51.7	77.5

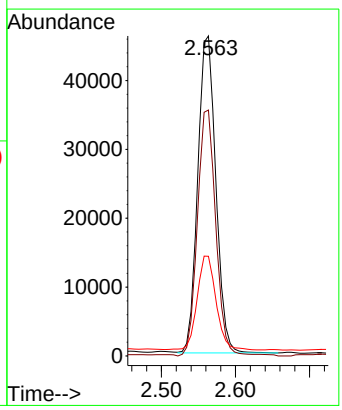


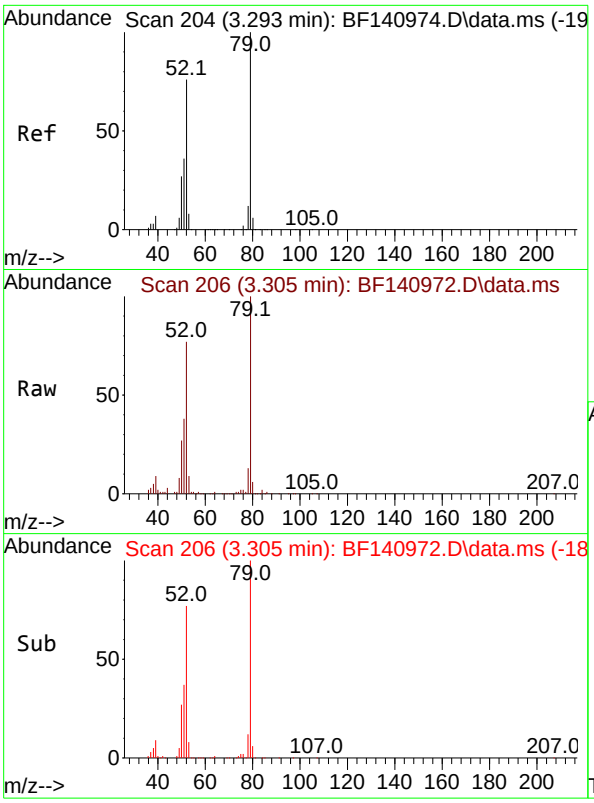


#2
1,4-Dioxane
Concen: 10.339 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 88 Resp: 77981

Ion	Ratio	Lower	Upper
88	100		
58	79.2	63.0	94.4
43	31.0	23.4	35.2



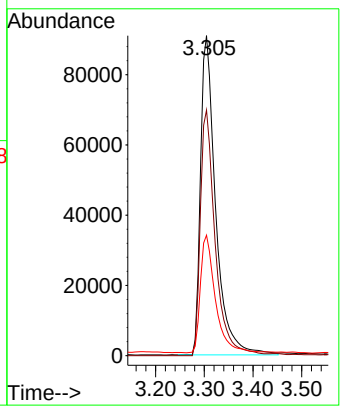


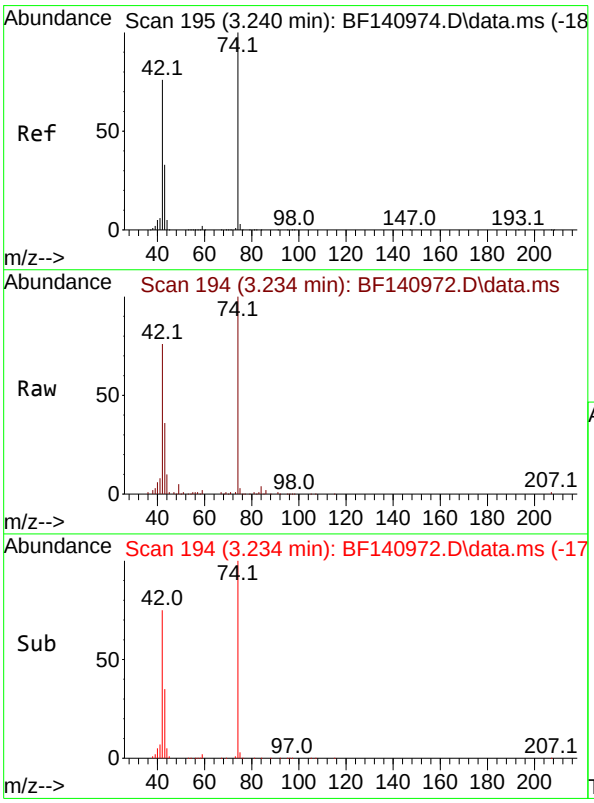
#3
Pyridine
Concen: 10.644 ng
RT: 3.305 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 196202

Ion	Ratio	Lower	Upper
79	100		
52	76.8	60.4	90.6
51	37.6	28.8	43.2

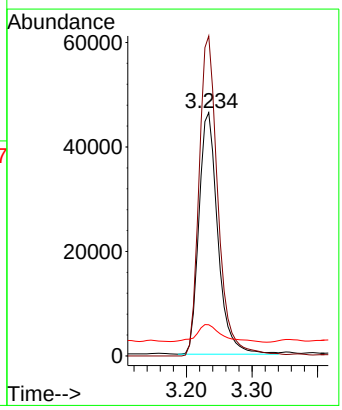


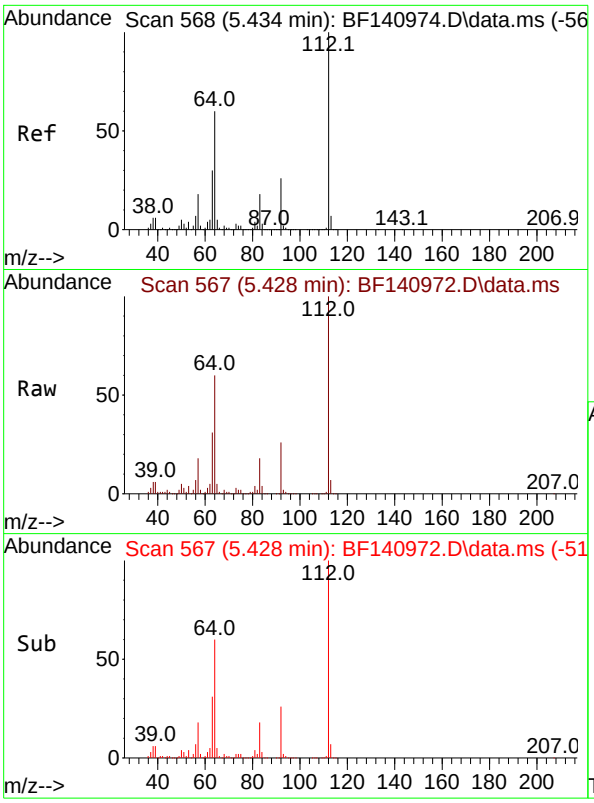


#4
n-Nitrosodimethylamine
Concen: 9.918 ng
RT: 3.234 min Scan# 194
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 42 Resp: 92623

Ion	Ratio	Lower	Upper
42	100		
74	131.5	105.8	158.6
44	12.8	6.6	10.0#



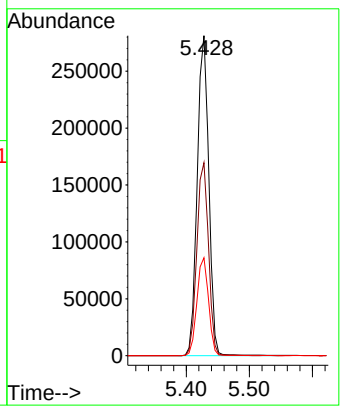


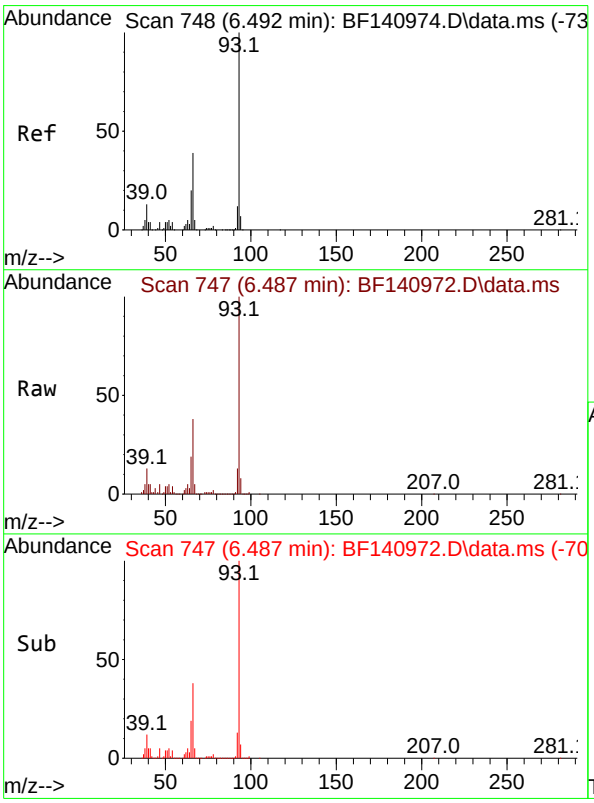
#5
2-Fluorophenol
Concen: 21.439 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 357171

Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.7	71.5
63	30.6	24.2	36.2

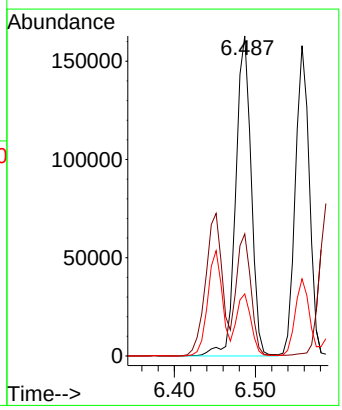


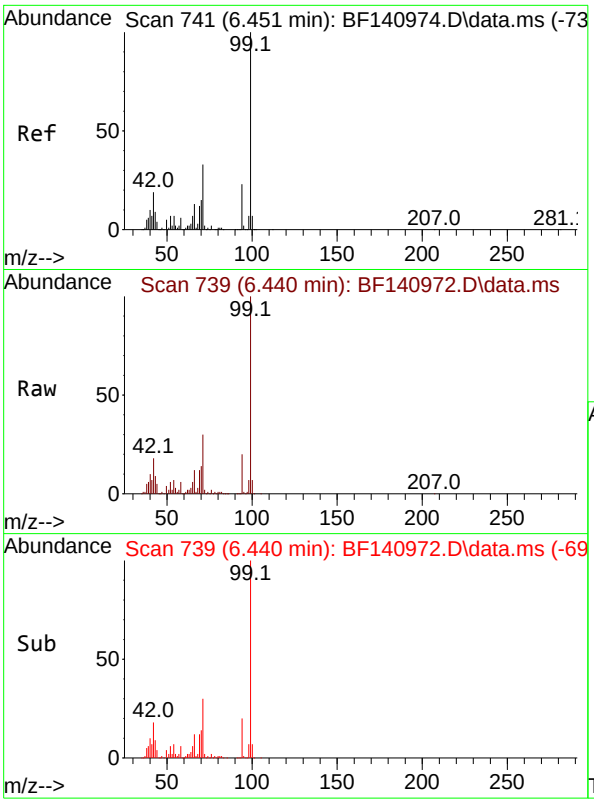


#6
Aniline
Concen: 11.168 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.023 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 93 Resp: 213768

Ion	Ratio	Lower	Upper
93	100		
66	38.2	31.8	47.8
65	19.4	15.4	23.0



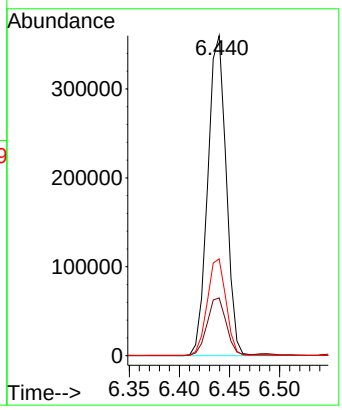


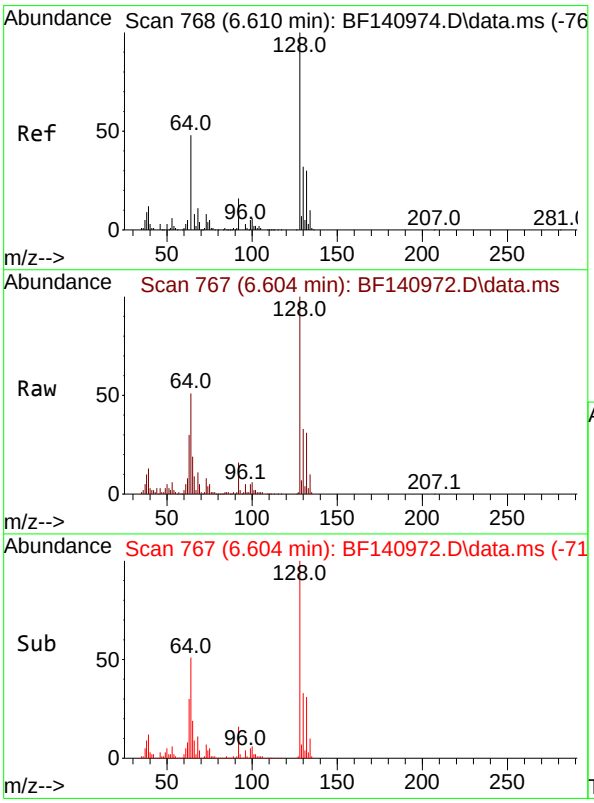
#7
Phenol-d6
Concen: 21.514 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 461726

Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.0	22.4
71	30.2	26.2	39.2

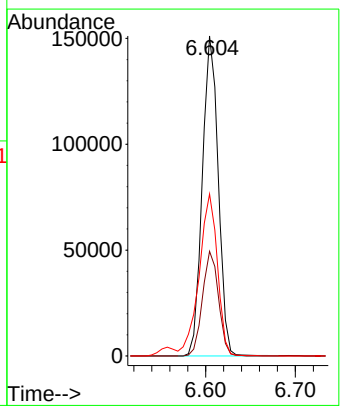


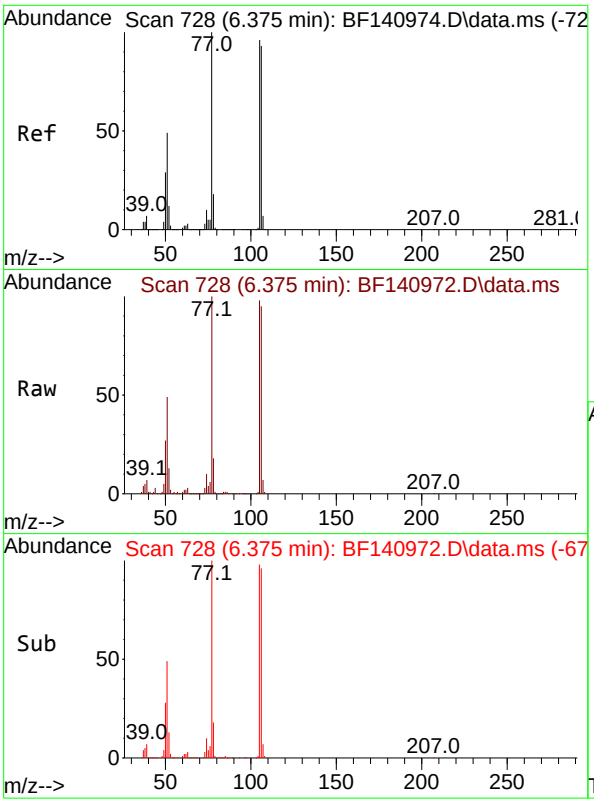


#8
2-Chlorophenol
Concen: 10.608 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:128 Resp: 186317

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.2	52.2
64	50.6	30.3	70.3



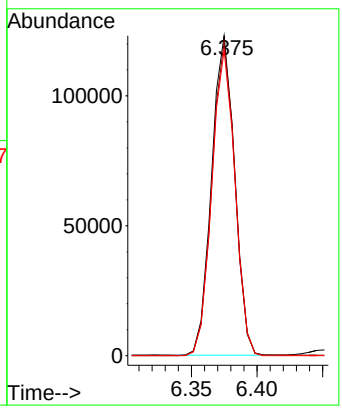


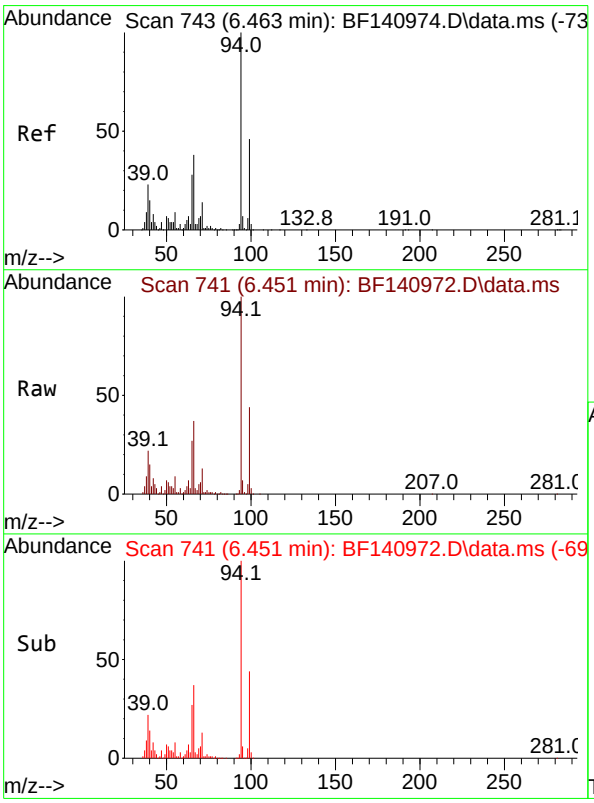
#9
Benzaldehyde
Concen: 7.569 ng
RT: 6.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 149809

Ion	Ratio	Lower	Upper
77	100		
105	98.0	76.2	116.2
106	95.4	73.4	113.4

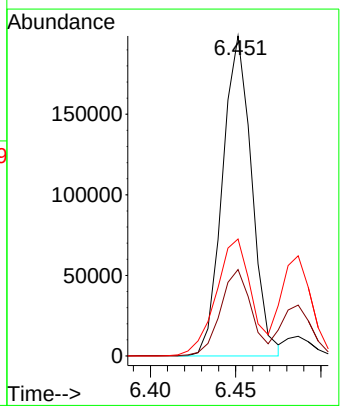


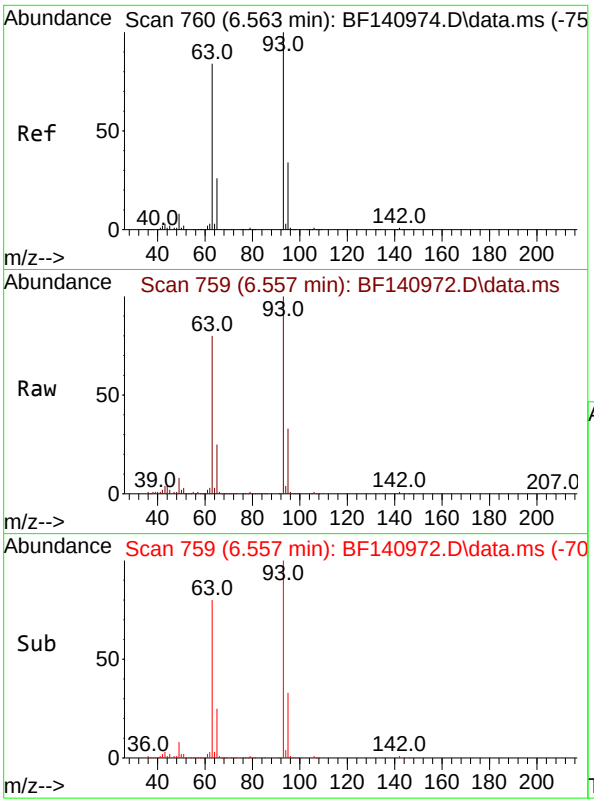


#10
Phenol
Concen: 10.639 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 94 Resp: 236093

Ion	Ratio	Lower	Upper
94	100		
65	27.0	8.1	48.1
66	36.5	18.7	58.7



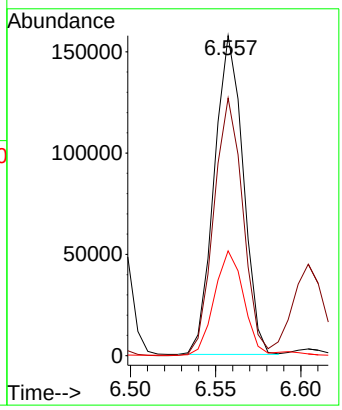


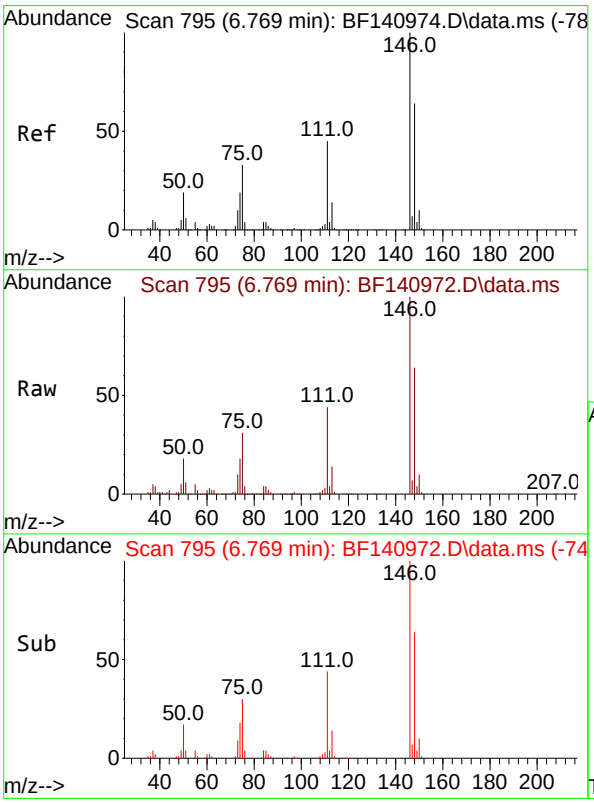
#11
bis(2-Chloroethyl)ether
Concen: 10.376 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 185749

Ion	Ratio	Lower	Upper
93	100		
63	80.5	60.3	100.3
95	32.8	12.2	52.2

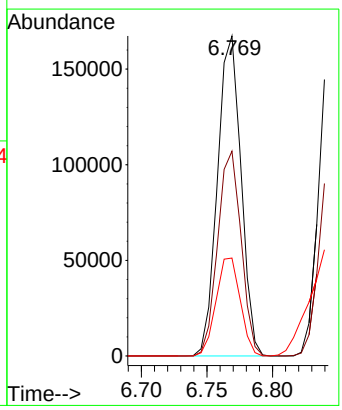


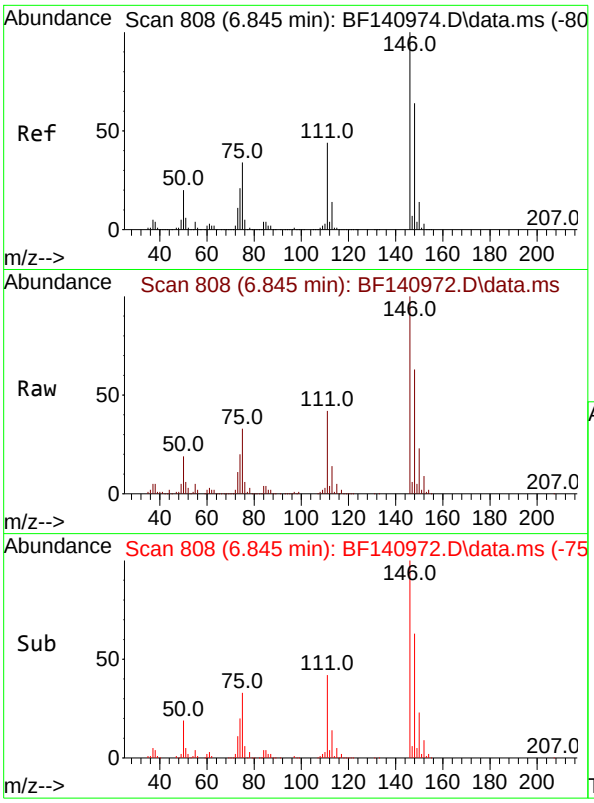


#12
1,3-Dichlorobenzene
Concen: 10.787 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:146 Resp: 209098

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
75	30.6	26.1	39.1



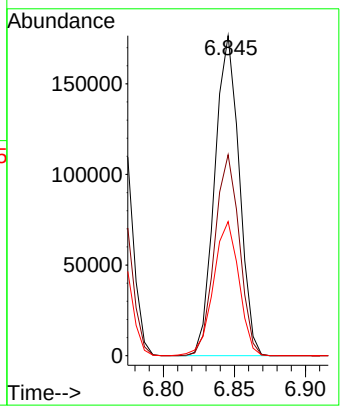


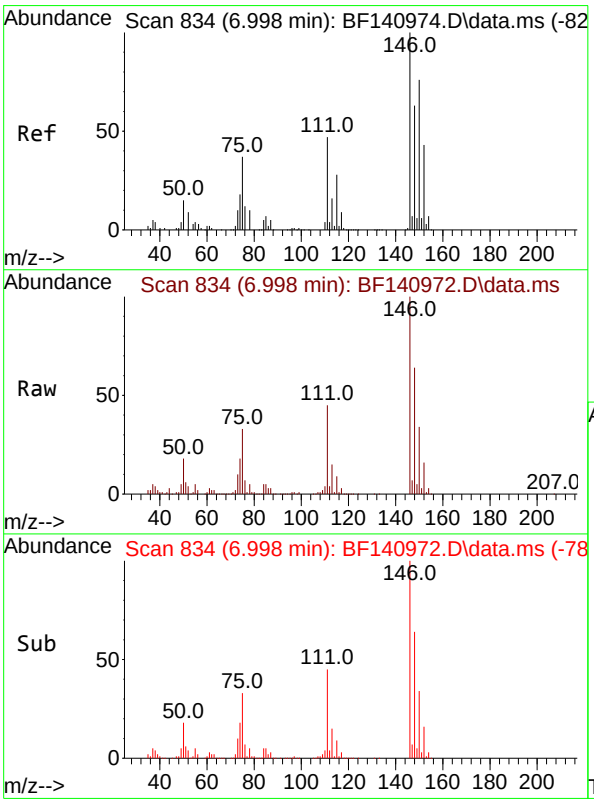
#13
1,4-Dichlorobenzene
Concen: 10.857 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 212166

Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.3	76.9
111	41.9	35.3	52.9

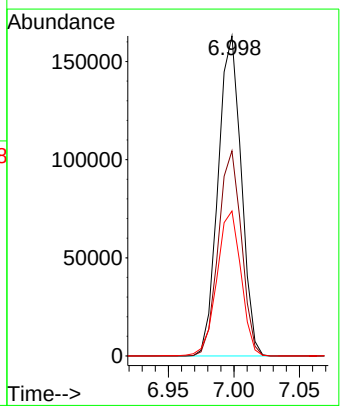


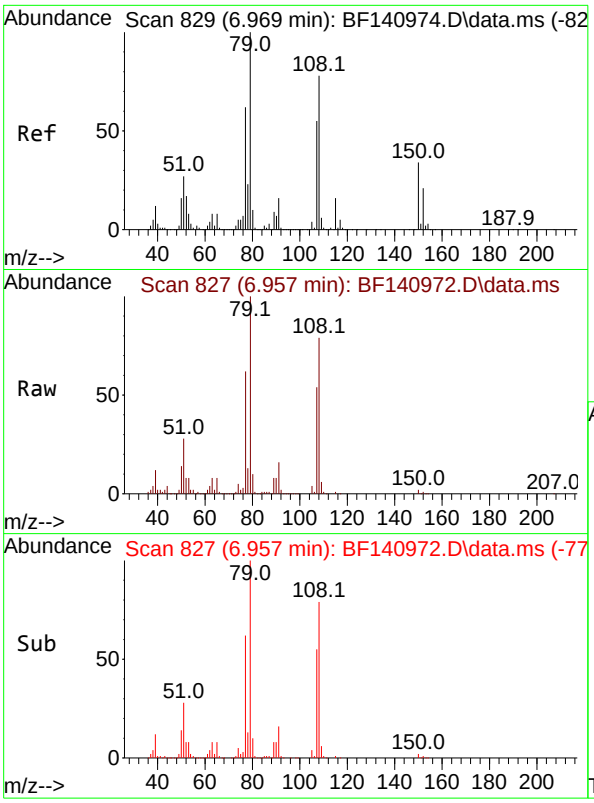


#14
1,2-Dichlorobenzene
Concen: 10.949 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:146 Resp: 199494

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	76.0
111	45.3	37.3	55.9



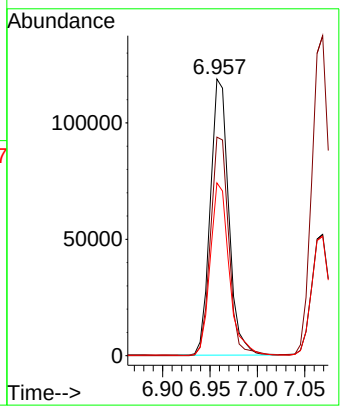


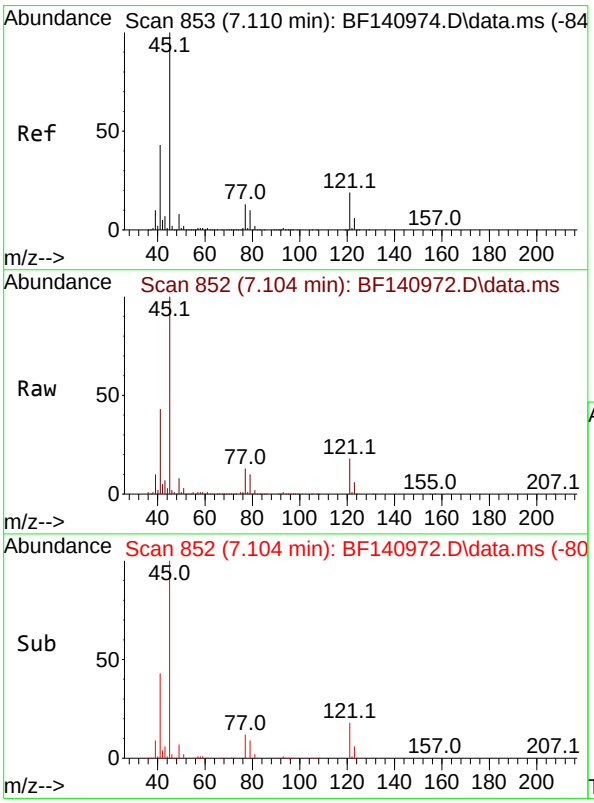
#15
Benzyl Alcohol
Concen: 10.383 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 160122

Ion	Ratio	Lower	Upper
79	100		
108	79.0	62.5	93.7
77	62.5	49.3	73.9

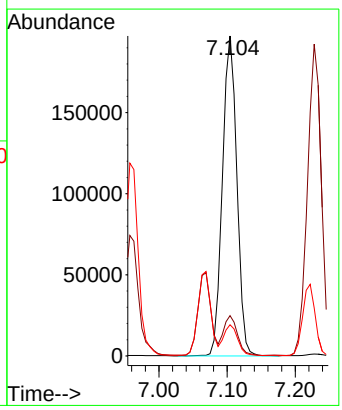


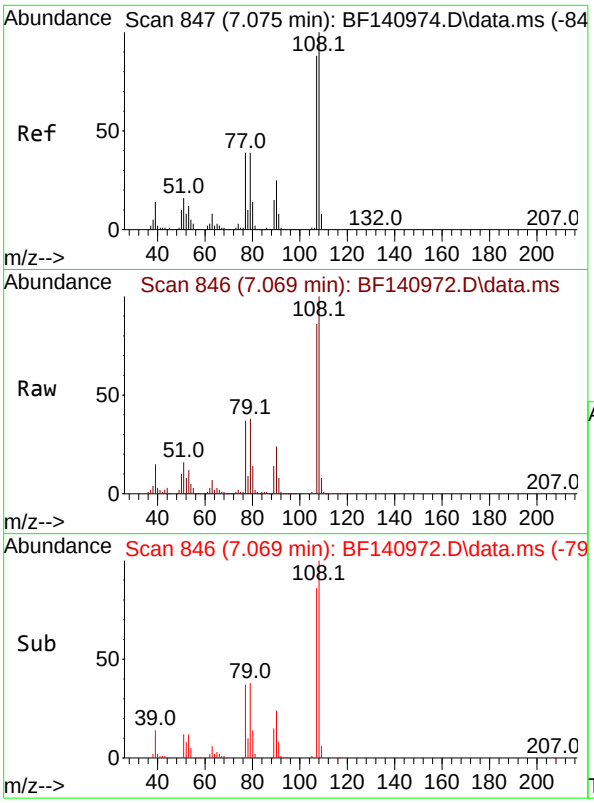


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.738 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 45 Resp: 290964

Ion	Ratio	Lower	Upper
45	100		
77	12.6	0.0	33.1
79	9.8	0.0	30.1



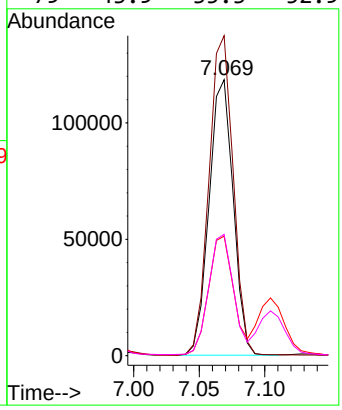


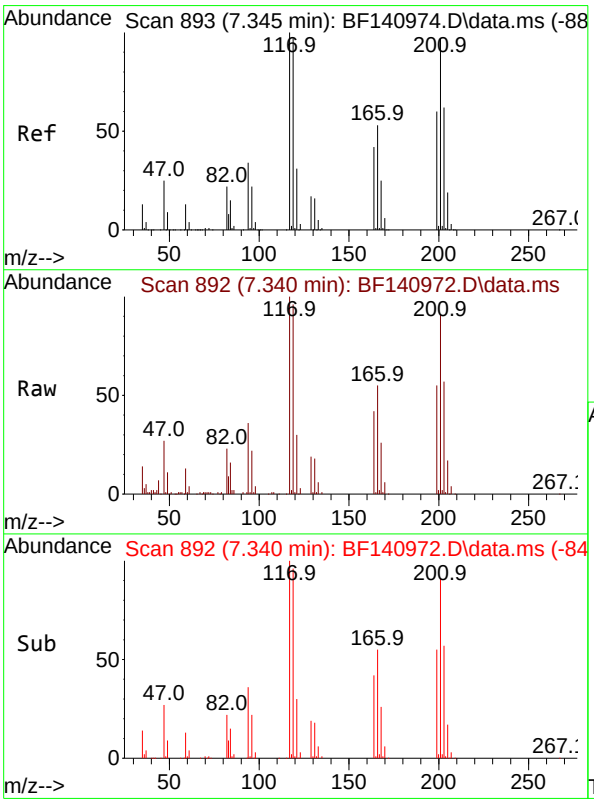
#17
2-Methylphenol
Concen: 10.393 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 151661

Ion	Ratio	Lower	Upper
107	100		
108	115.9	90.6	136.0
77	43.3	35.3	52.9
79	43.9	35.3	52.9

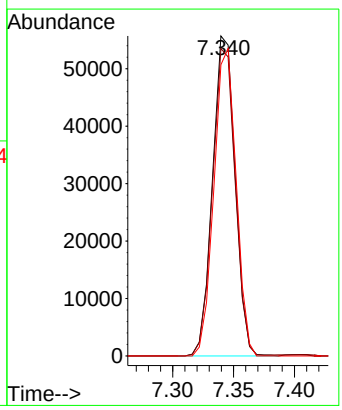


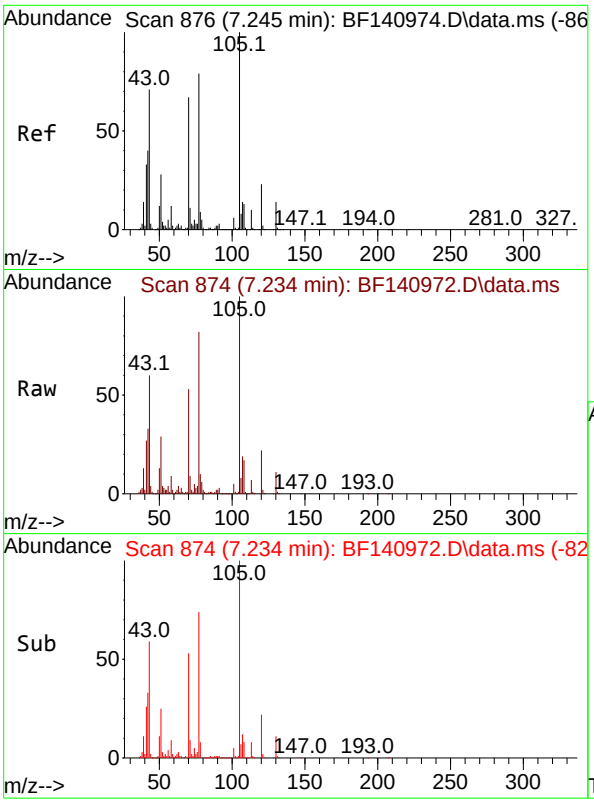


#18
Hexachloroethane
Concen: 10.361 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:117 Resp: 71922

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.5	116.3
201	91.0	77.4	116.2



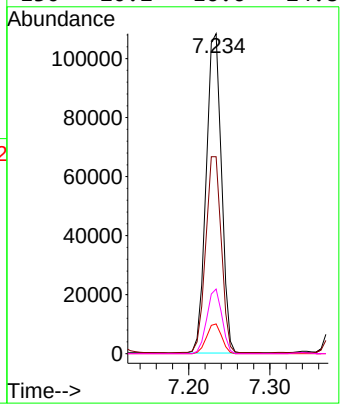


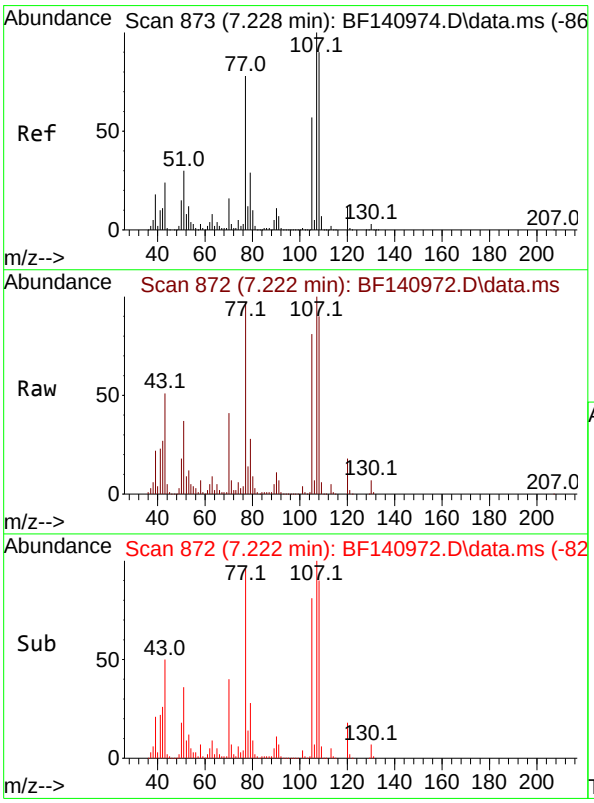
#19
n-Nitroso-di-n-propylamine
Concen: 10.763 ng
RT: 7.234 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 141506

Ion	Ratio	Lower	Upper
70	100		
42	61.5	48.1	72.1
101	9.3	7.6	11.4
130	20.2	16.6	24.8

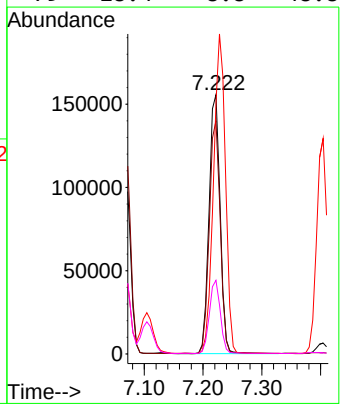


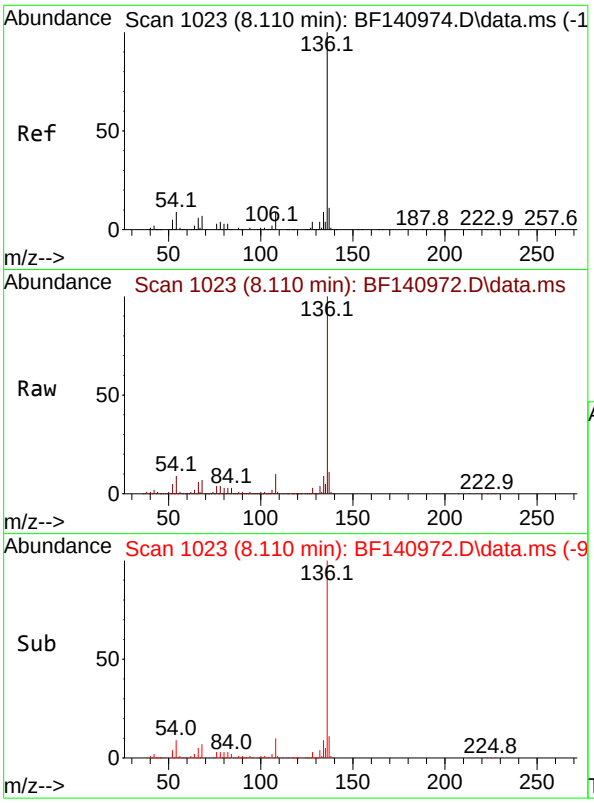


#20
3+4-Methylphenols
Concen: 11.040 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:107 Resp: 203866

Ion	Ratio	Lower	Upper
107	100		
108	90.0	69.6	109.6
77	96.6	57.6	97.6
79	28.4	8.8	48.8



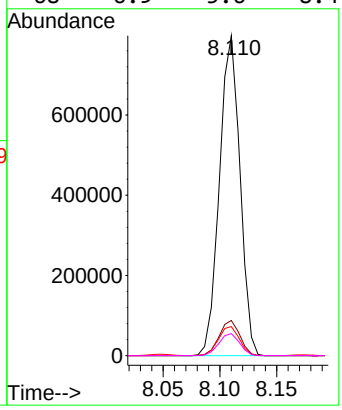


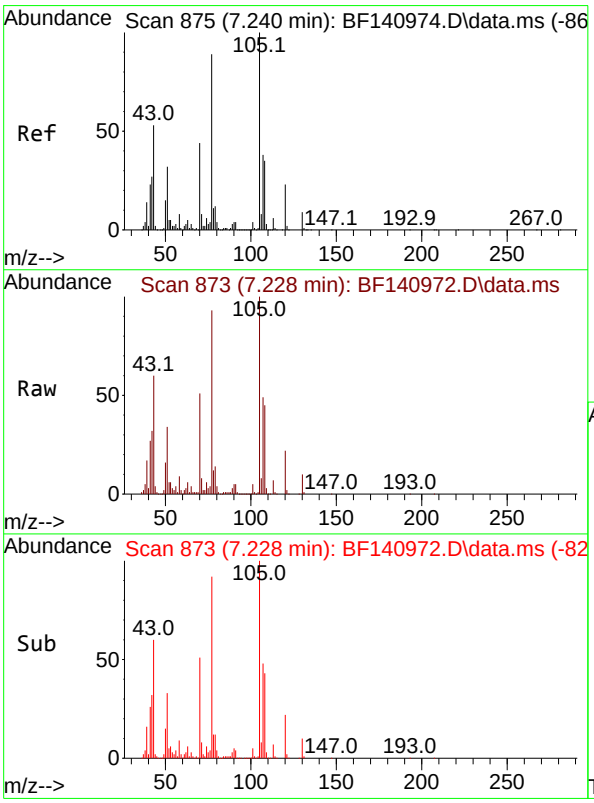
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 1005088

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.1	7.6	11.4
68	6.9	5.6	8.4

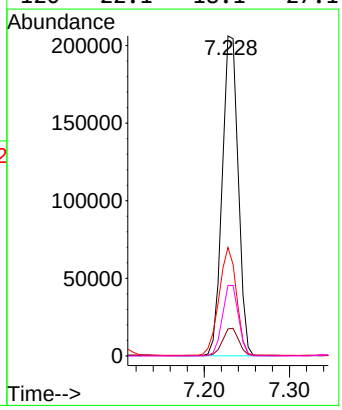


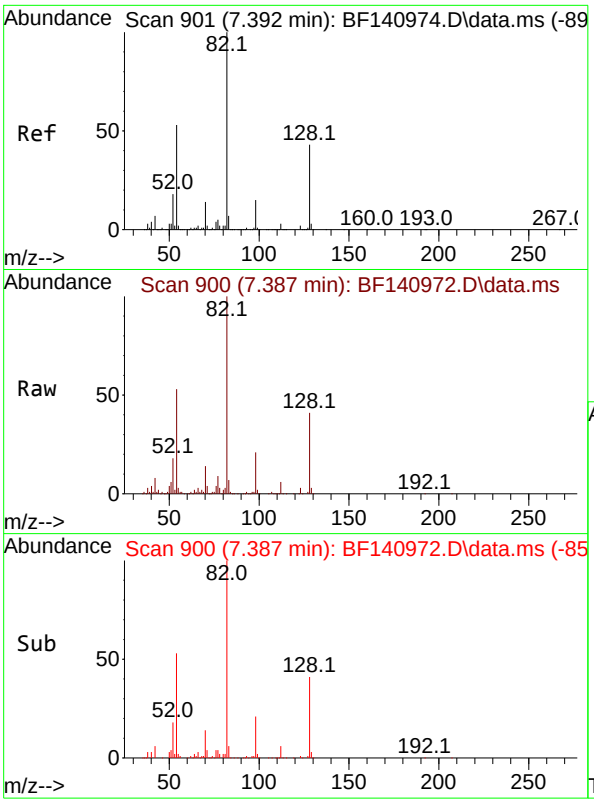


#22
Acetophenone
Concen: 10.898 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:105 Resp: 268709

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.1	9.1
51	33.9	25.8	38.6
120	22.1	18.1	27.1



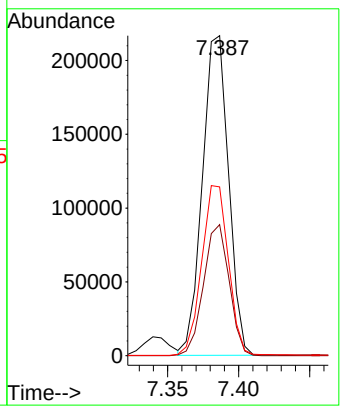


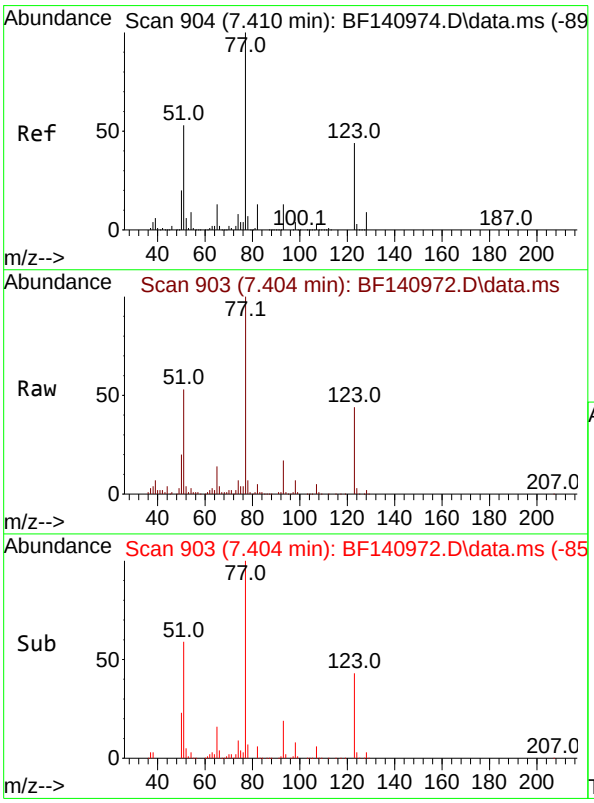
#23
Nitrobenzene-d5
Concen: 17.691 ng
RT: 7.387 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 277918

Ion	Ratio	Lower	Upper
82	100		
128	41.0	34.4	51.6
54	52.8	42.4	63.6

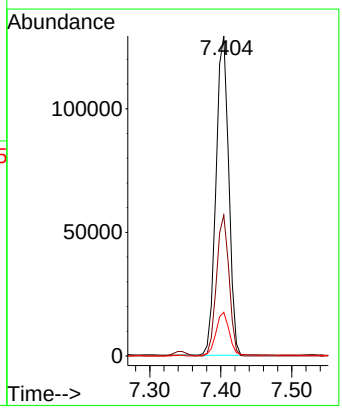


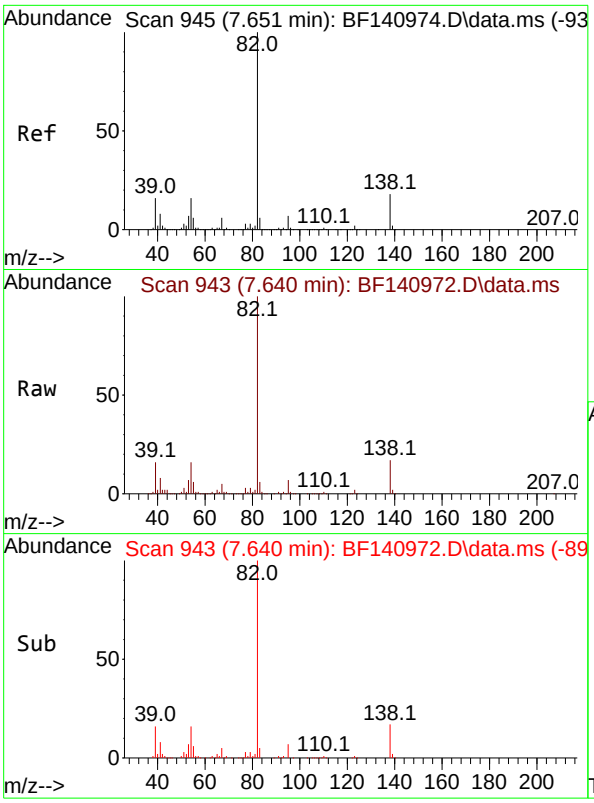


#24
Nitrobenzene
Concen: 9.121 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 77 Resp: 160105

Ion	Ratio	Lower	Upper
77	100		
123	44.0	35.4	53.2
65	13.7	10.7	16.1



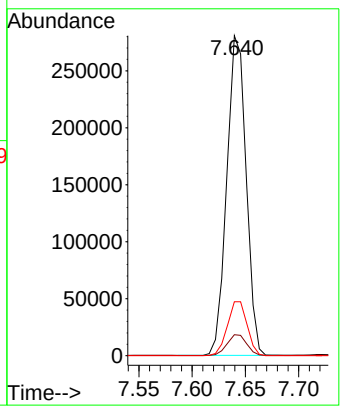


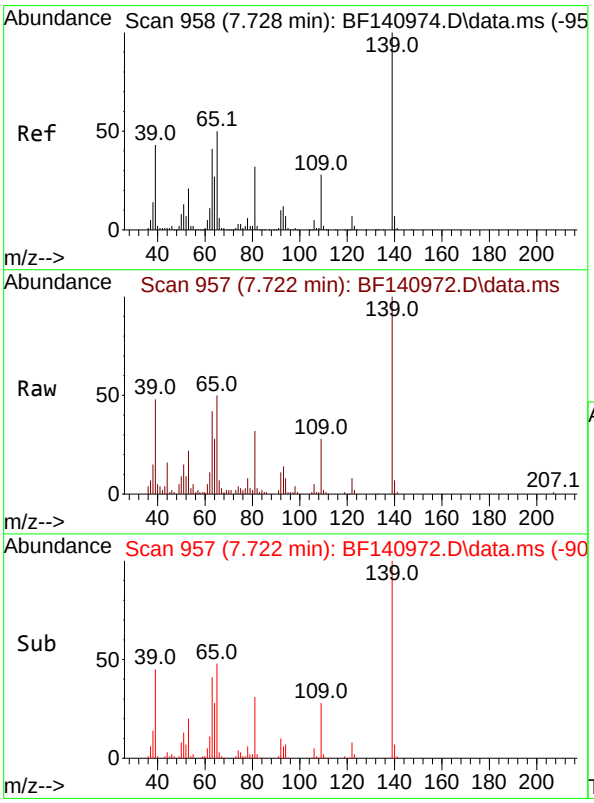
#25
Isophorone
Concen: 10.381 ng
RT: 7.640 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 354894

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.6	8.4
138	16.8	14.6	21.8

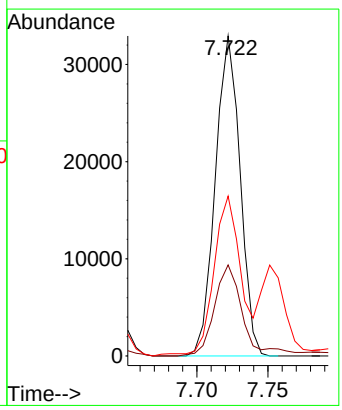


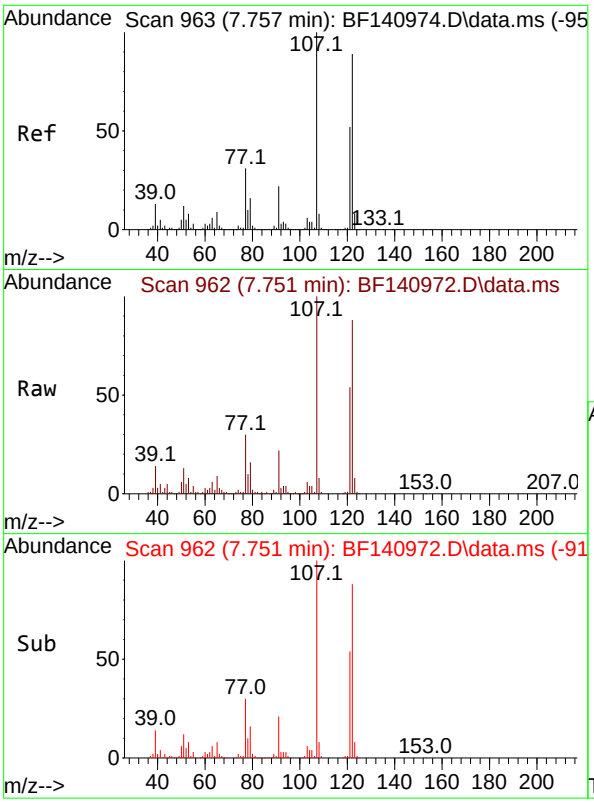


#26
2-Nitrophenol
Concen: 10.245 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:139 Resp: 39980

Ion	Ratio	Lower	Upper
139	100		
109	28.5	22.2	33.4
65	49.9	40.2	60.4



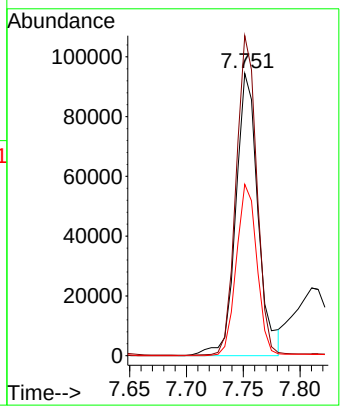


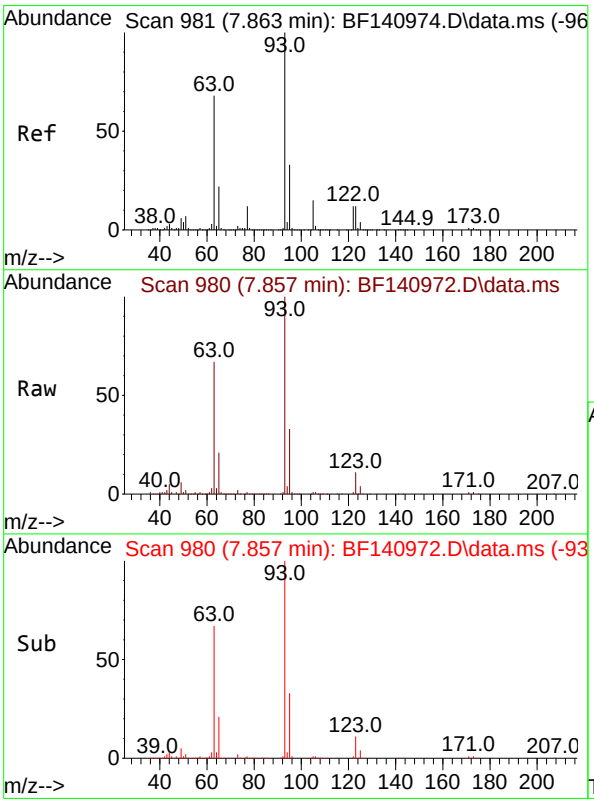
#27
2,4-Dimethylphenol
Concen: 10.276 ng
RT: 7.751 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 128382

Ion	Ratio	Lower	Upper
122	100		
107	113.4	89.4	134.2
121	60.7	46.7	70.1

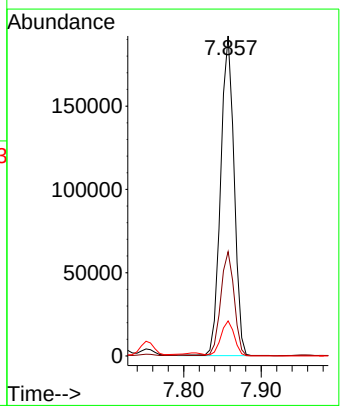


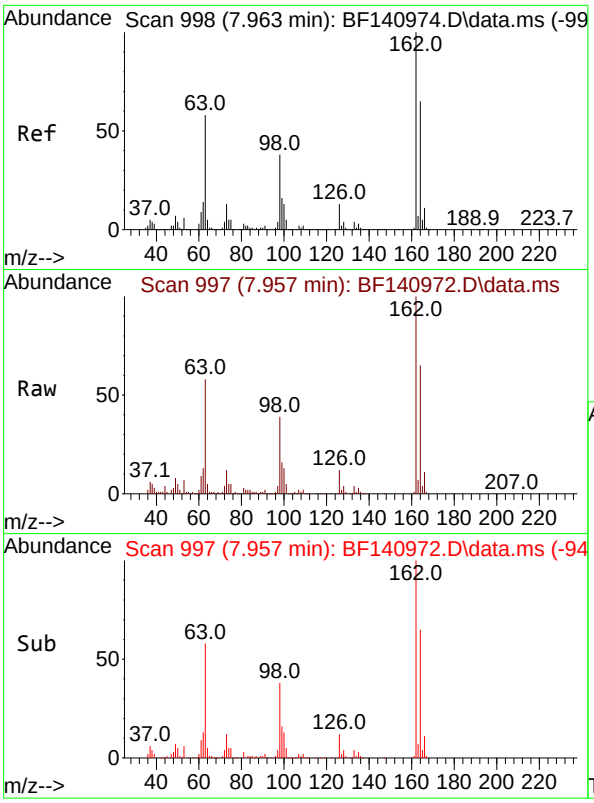


#28
bis(2-Chloroethoxy)methane
Concen: 10.730 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 93 Resp: 232407

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	11.0	9.9	14.9



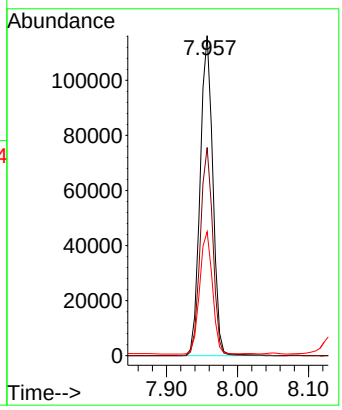


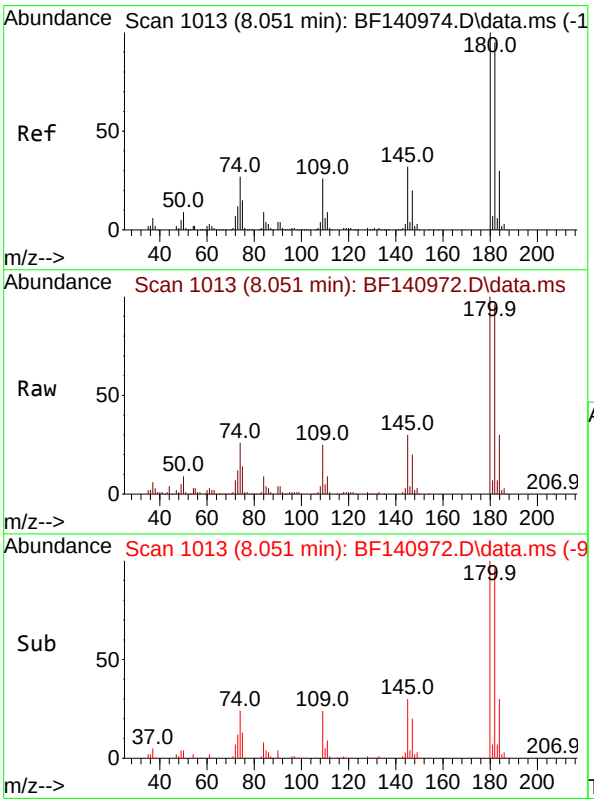
#29
2,4-Dichlorophenol
Concen: 10.238 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 145068

Ion	Ratio	Lower	Upper
162	100		
164	65.0	44.8	84.8
98	38.7	18.6	58.6

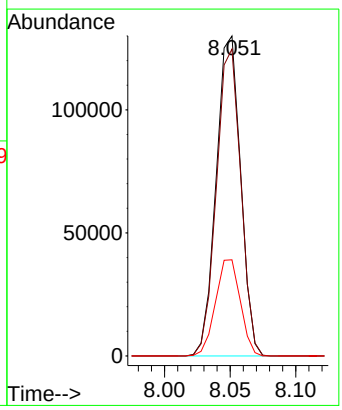


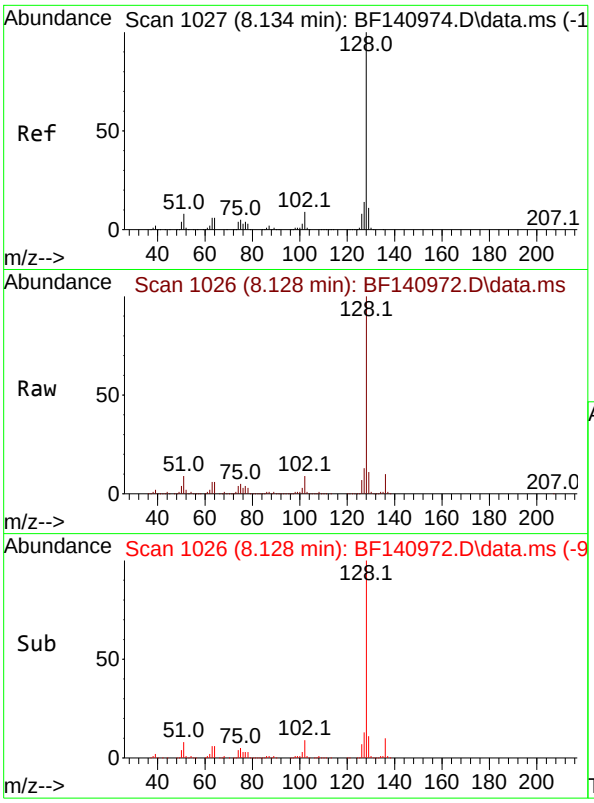


#30
1,2,4-Trichlorobenzene
Concen: 10.498 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:180 Resp: 168369

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.2	114.4
145	30.1	25.4	38.2



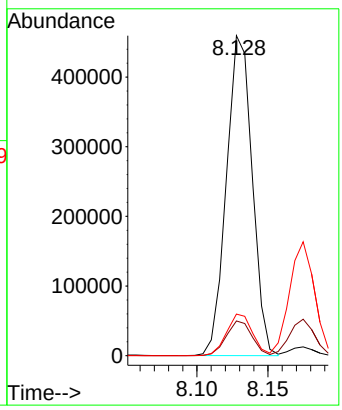


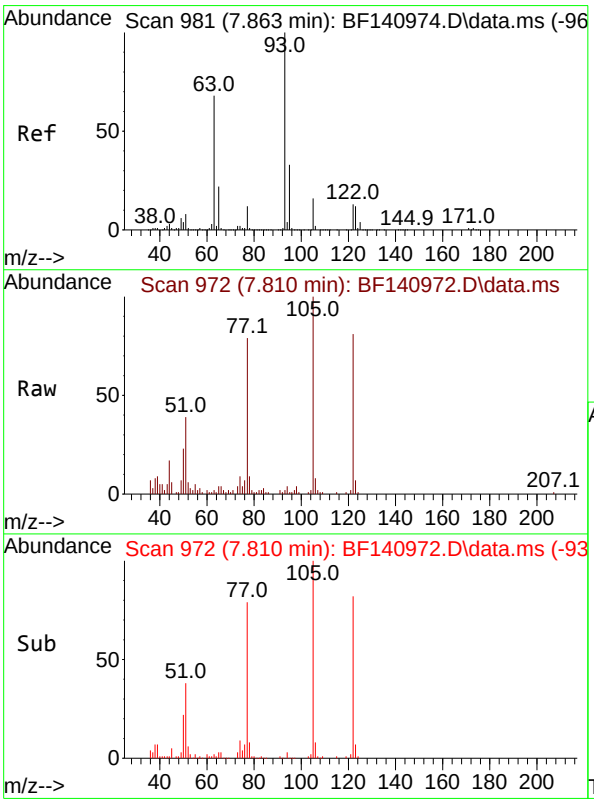
#31
Naphthalene
Concen: 10.951 ng
RT: 8.128 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 579991

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.2	13.8
127	13.0	11.0	16.4

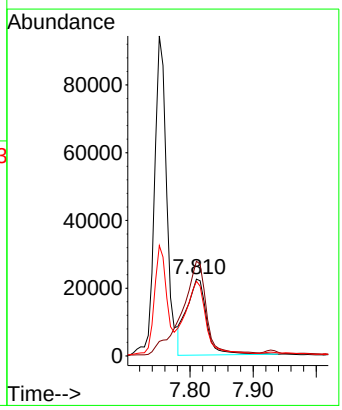


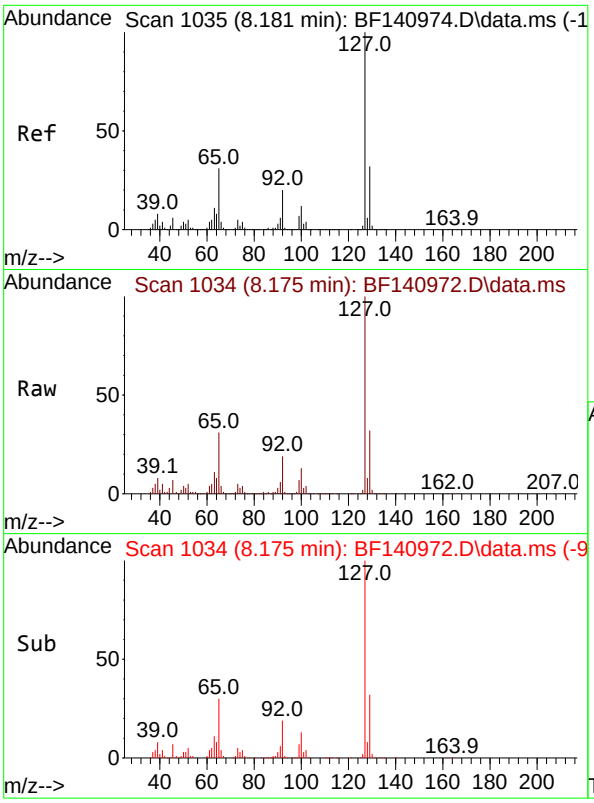


#32
Benzoic acid
Concen: 11.743 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.053 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:122 Resp: 49591

Ion	Ratio	Lower	Upper
122	100		
105	123.3	105.4	145.4
77	97.4	76.4	116.4



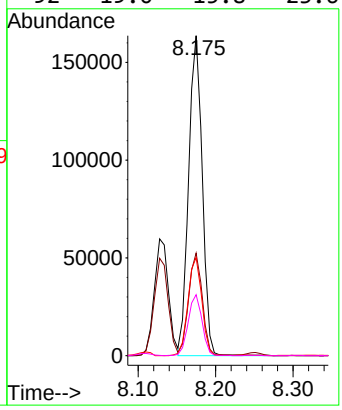


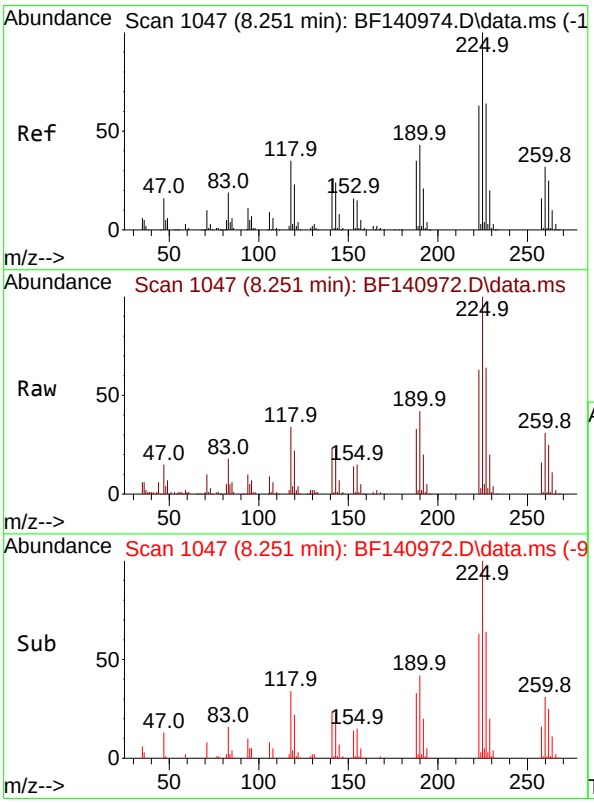
#33
4-Chloroaniline
Concen: 10.433 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 199889

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	30.7	24.6	37.0
92	19.0	15.8	23.6

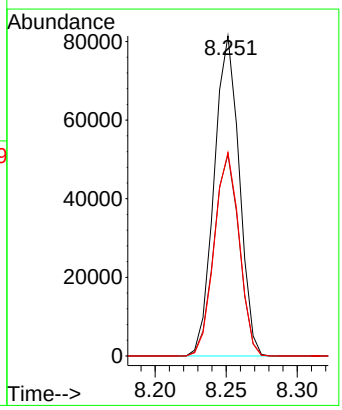


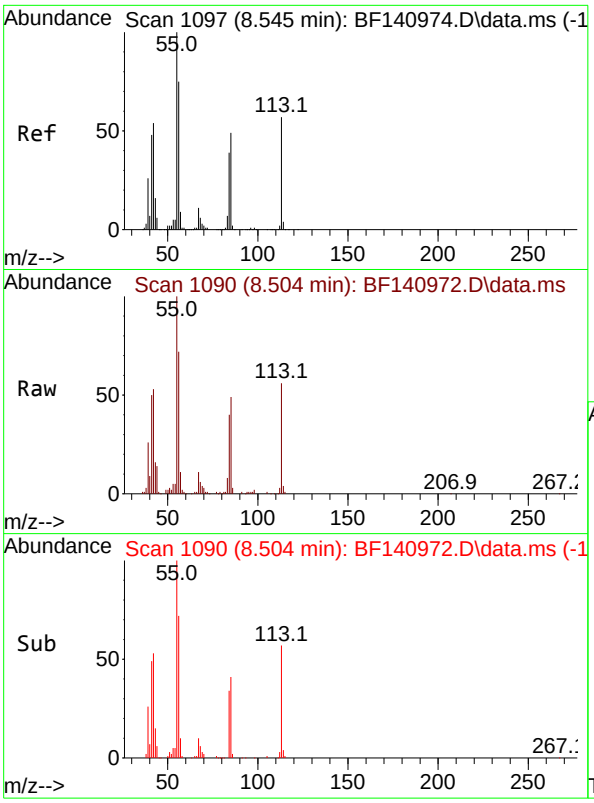


#34
Hexachlorobutadiene
Concen: 10.579 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:225 Resp: 100026

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	63.6	50.8	76.2



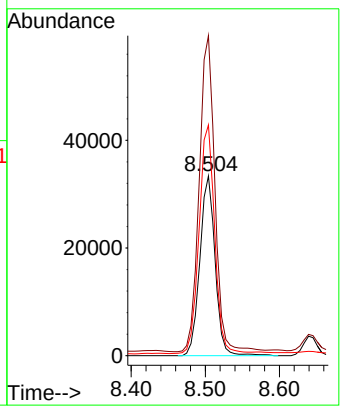


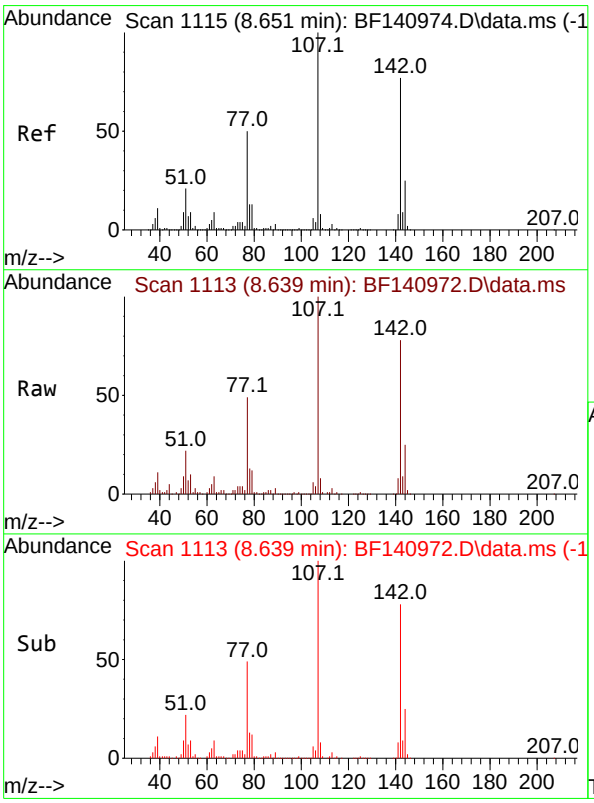
#35
Caprolactam
Concen: 9.936 ng
RT: 8.504 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 47868

Ion	Ratio	Lower	Upper
113	100		
55	178.1	156.6	196.6
56	128.4	111.7	151.7

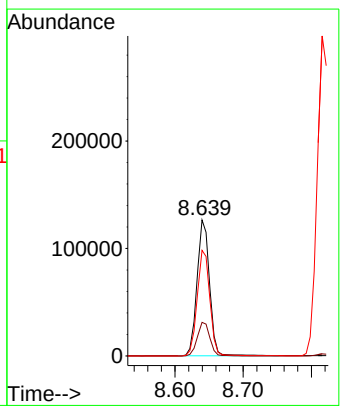


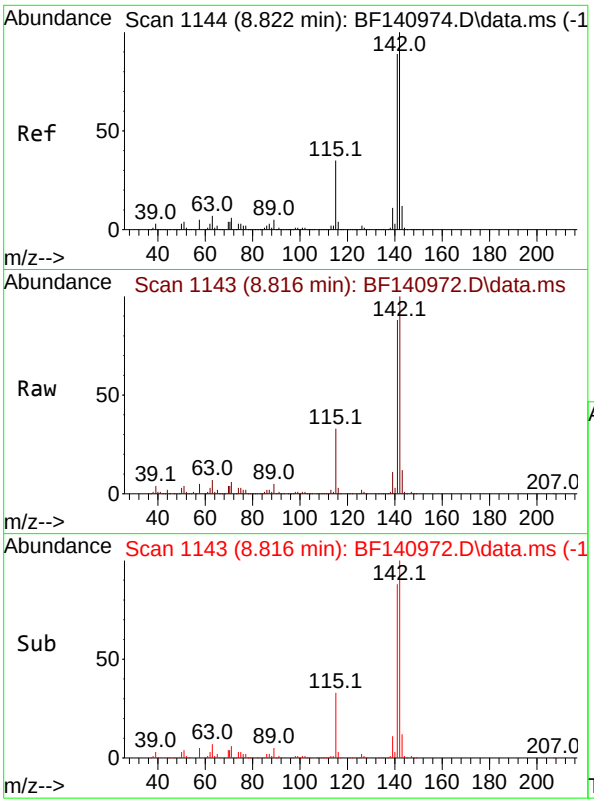


#36
4-Chloro-3-methylphenol
Concen: 10.230 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:107 Resp: 160989

Ion	Ratio	Lower	Upper
107	100		
144	24.7	19.9	29.9
142	77.7	61.8	92.8



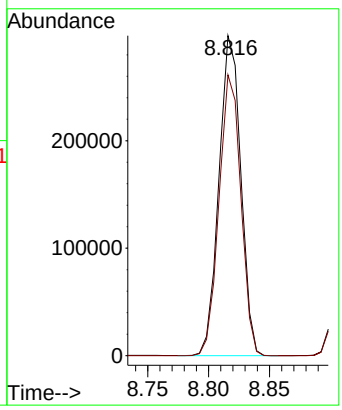


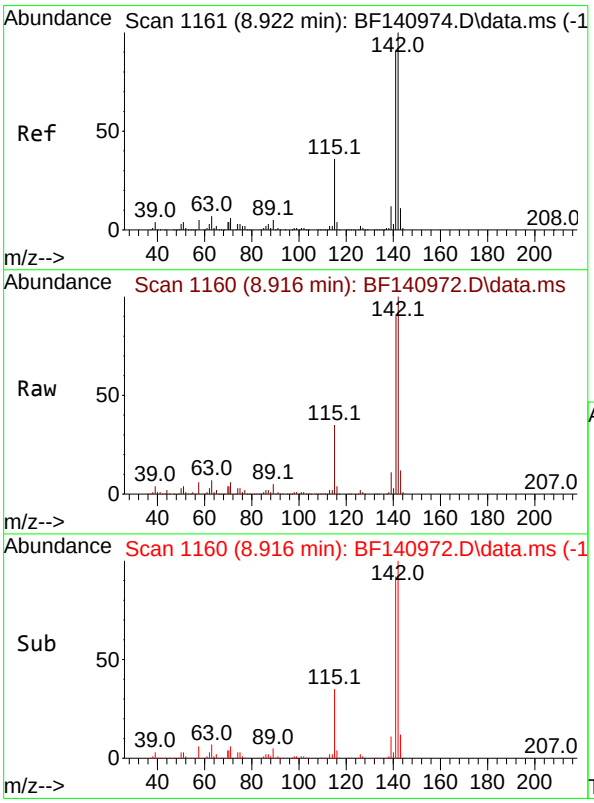
#37
2-Methylnaphthalene
Concen: 10.982 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 372101

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.1	106.7

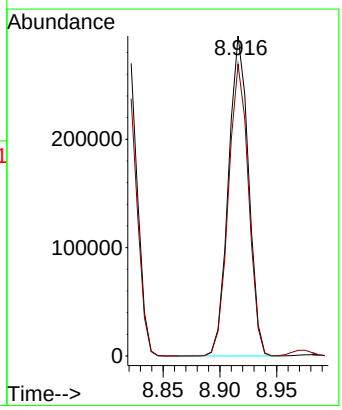


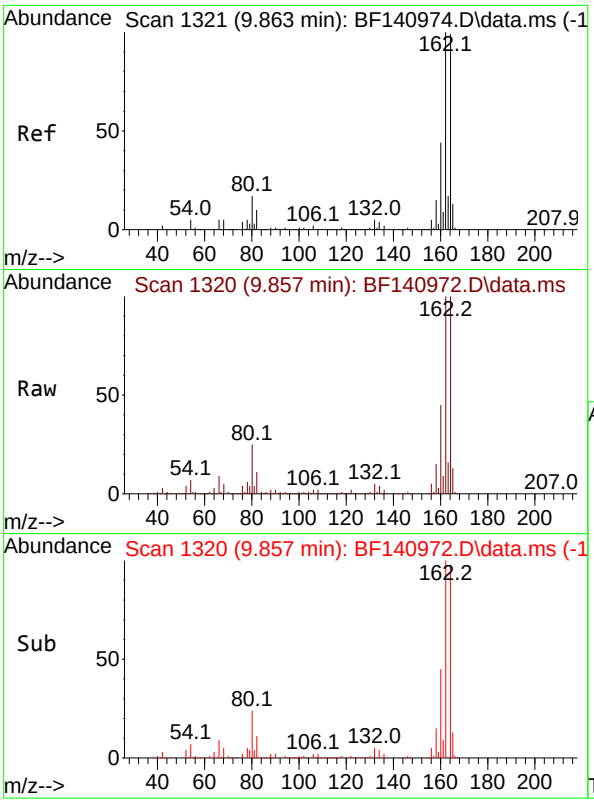


#38
1-Methylnaphthalene
Concen: 10.903 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:142 Resp: 363059

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.7	109.1



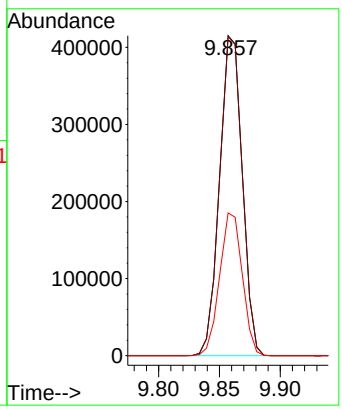


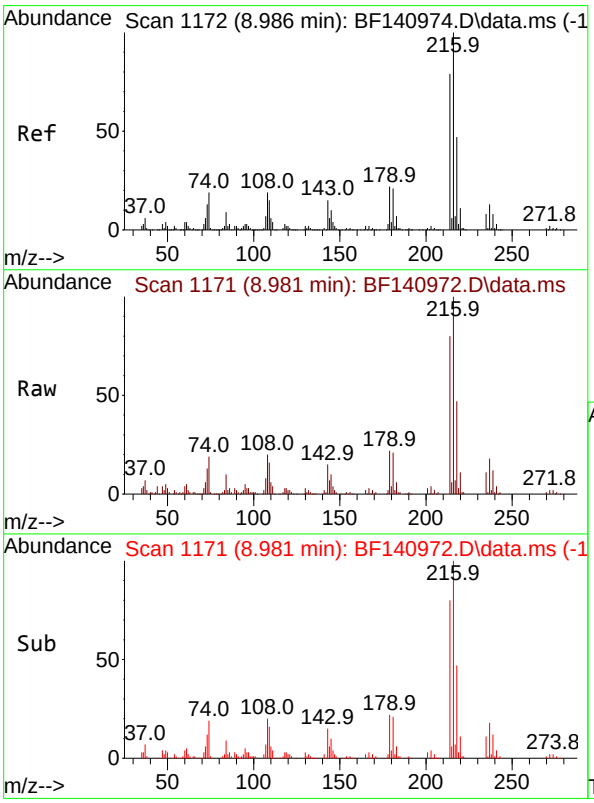
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 539677

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.6	120.8
160	44.6	35.7	53.5

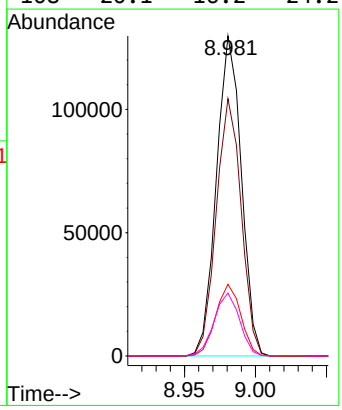


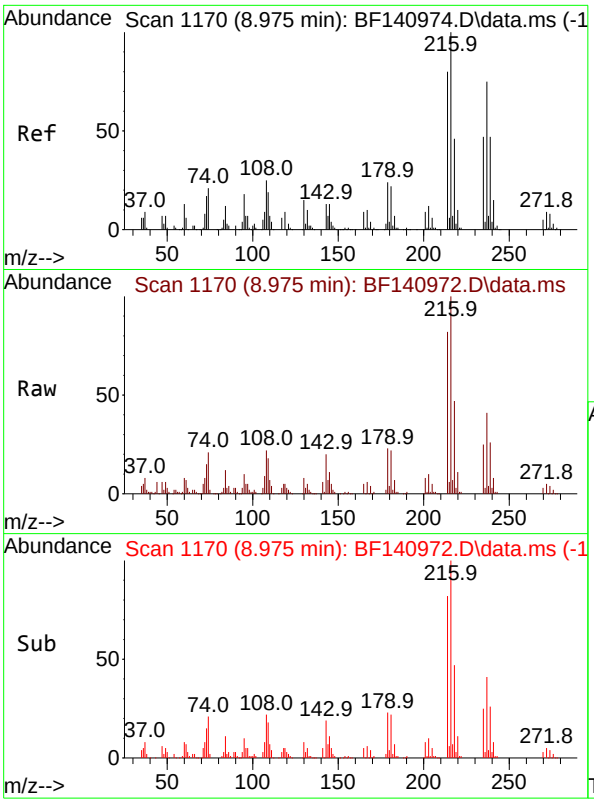


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.652 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:216 Resp: 158150

Ion	Ratio	Lower	Upper
216	100		
214	80.4	63.0	94.6
179	22.5	17.9	26.9
108	20.1	16.2	24.2



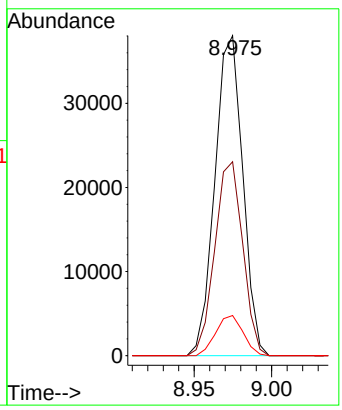


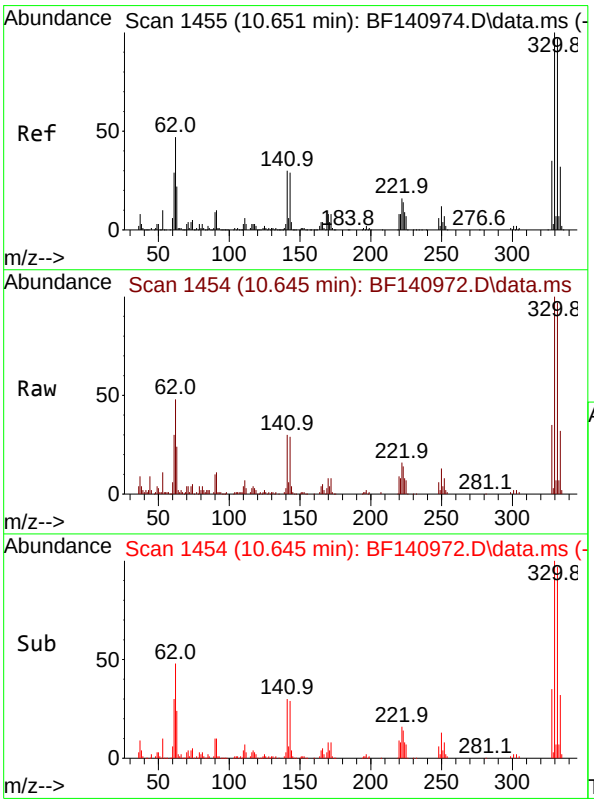
#41
Hexachlorocyclopentadiene
Concen: 9.661 ng
RT: 8.975 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 47532

Ion	Ratio	Lower	Upper
237	100		
235	60.6	43.4	83.4
272	12.6	0.0	32.6

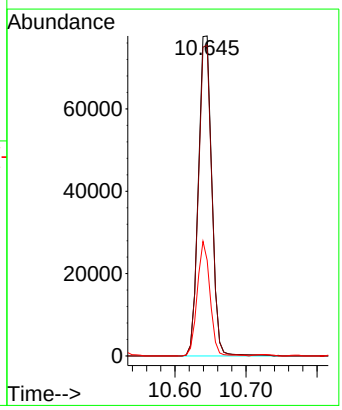


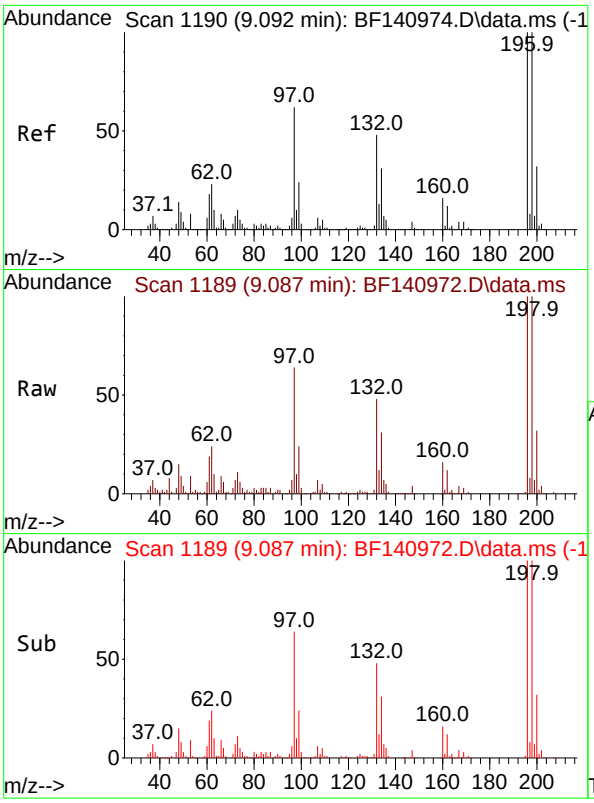


#42
2,4,6-Tribromophenol
Concen: 19.456 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:330 Resp: 102029

Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	34.1	26.4	39.6



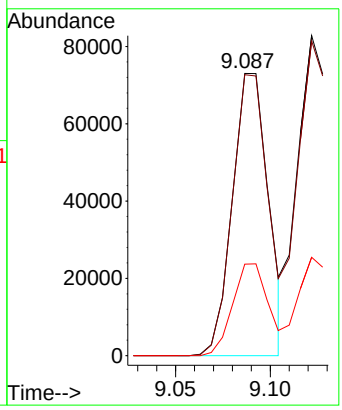


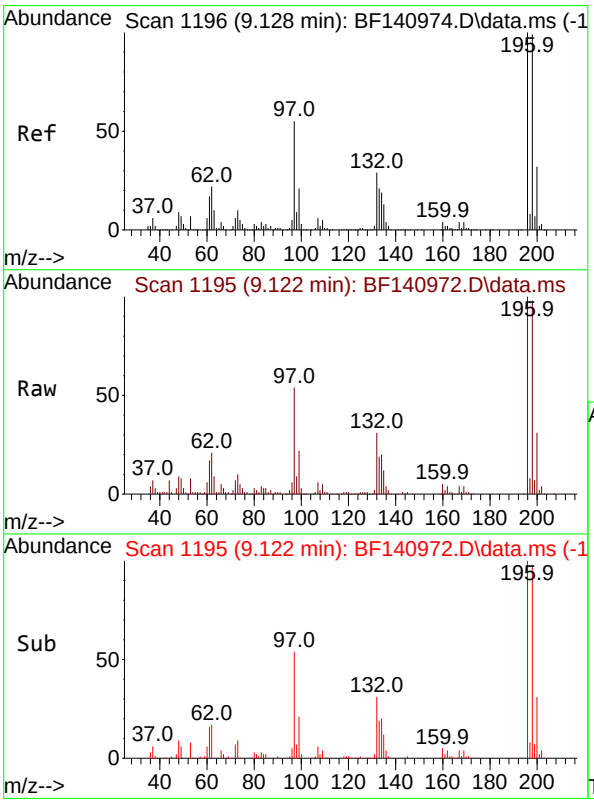
#43
2,4,6-Trichlorophenol
Concen: 9.734 ng
RT: 9.087 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 96190

Ion	Ratio	Lower	Upper
196	100		
198	99.5	80.2	120.4
200	32.4	25.8	38.6

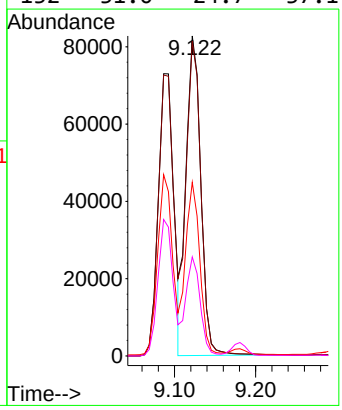


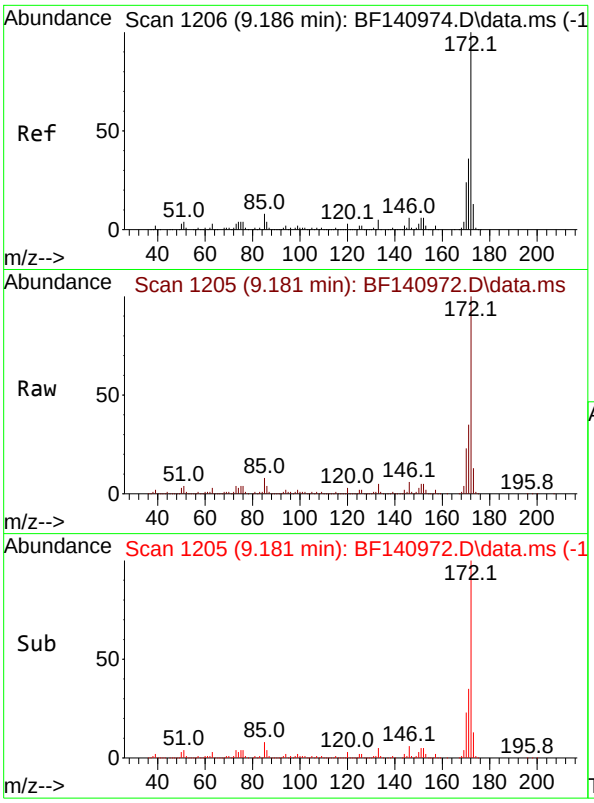


#44
2,4,5-Trichlorophenol
Concen: 10.371 ng
RT: 9.122 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:196 Resp: 104859

Ion	Ratio	Lower	Upper
196	100		
198	98.3	79.9	119.9
97	54.2	44.3	66.5
132	31.0	24.7	37.1



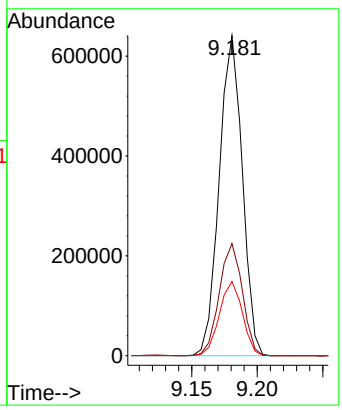


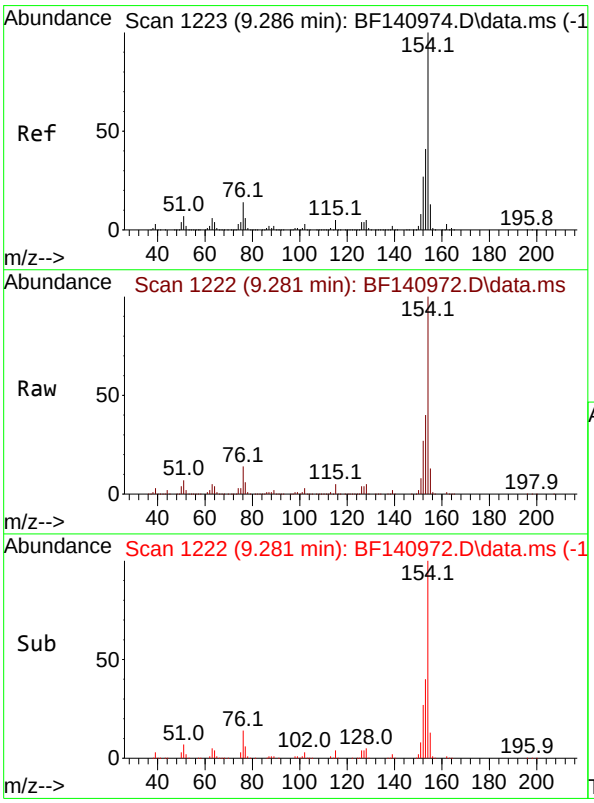
#45
2-Fluorobiphenyl
Concen: 23.128 ng
RT: 9.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 783402

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.4
170	23.2	19.6	29.4

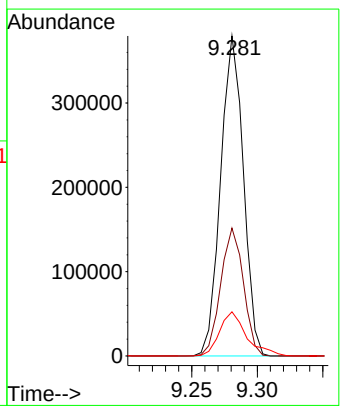


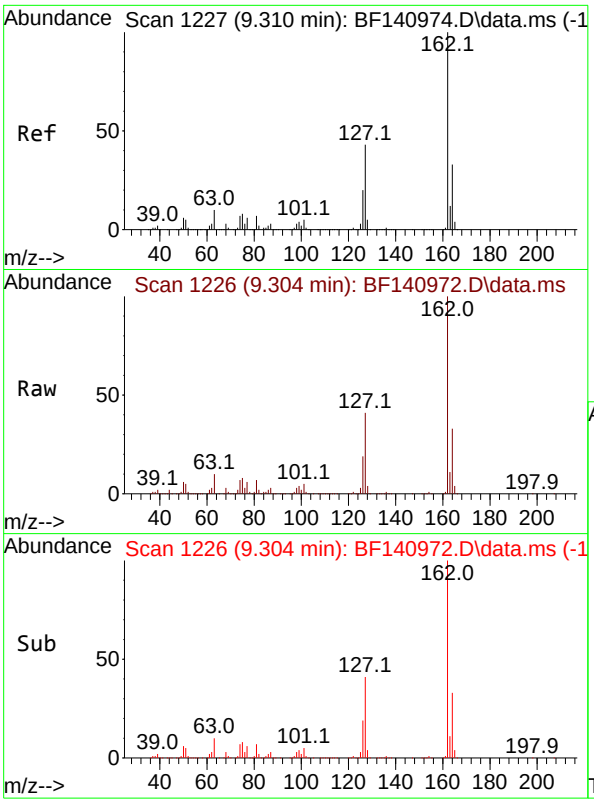


#46
1,1'-Biphenyl
Concen: 11.074 ng
RT: 9.281 min Scan# 1222
Delta R.T. -0.005 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:154 Resp: 457591

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.9	60.9
76	13.8	0.0	34.0



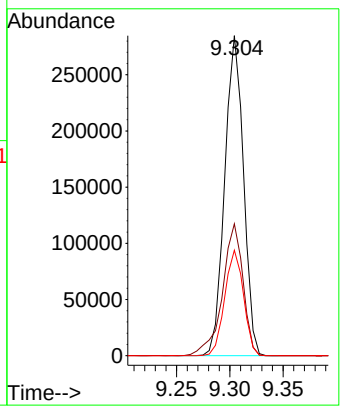


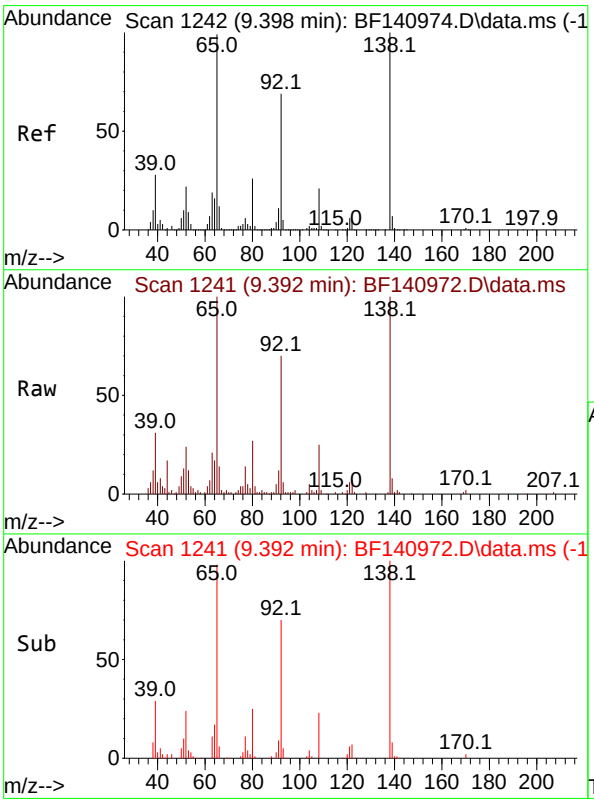
#47
2-Chloronaphthalene
Concen: 10.884 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 348834

Ion	Ratio	Lower	Upper
162	100		
127	41.2	34.2	51.4
164	33.0	26.6	40.0

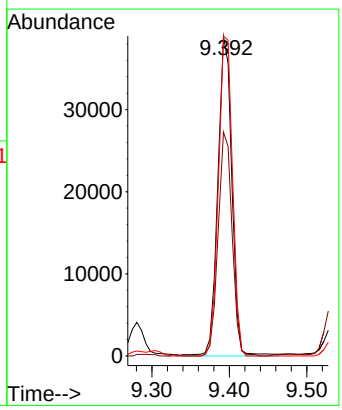


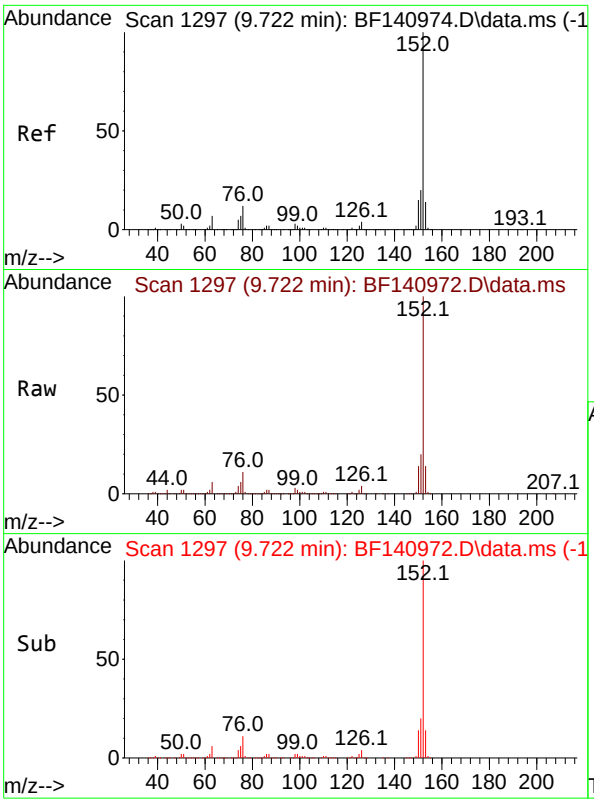


#48
2-Nitroaniline
Concen: 9.938 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 65 Resp: 49140

Ion	Ratio	Lower	Upper
65	100		
92	70.0	55.6	83.4
138	100.1	80.5	120.7



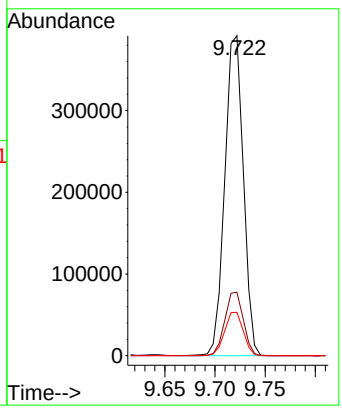


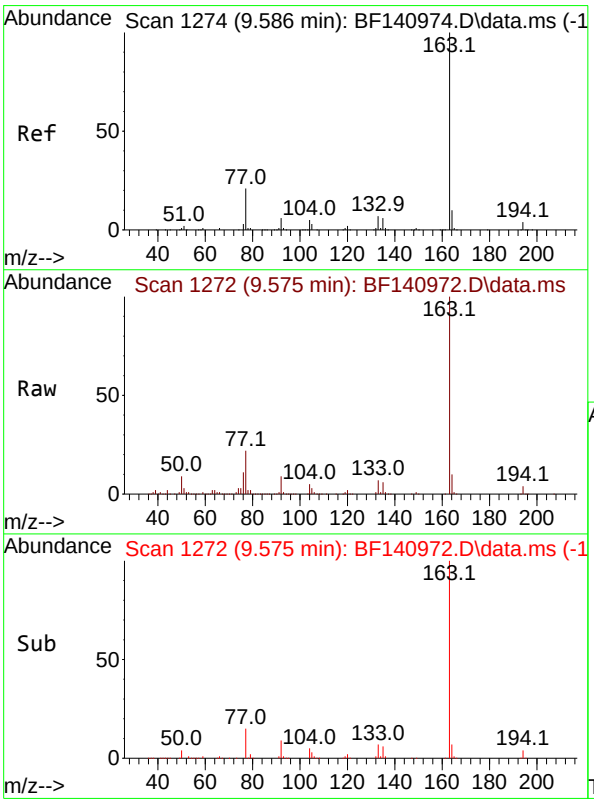
#49
Acenaphthylene
Concen: 10.933 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 504423

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.4
153	13.6	11.4	17.0

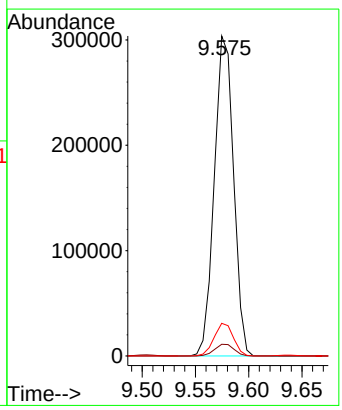


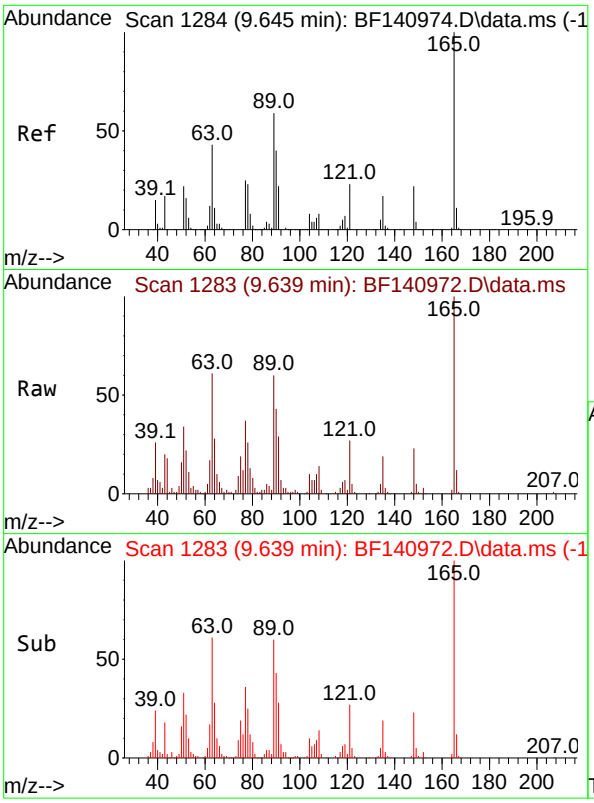


#50
Dimethylphthalate
Concen: 10.746 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.011 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:163 Resp: 381476

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	10.2	8.3	12.5



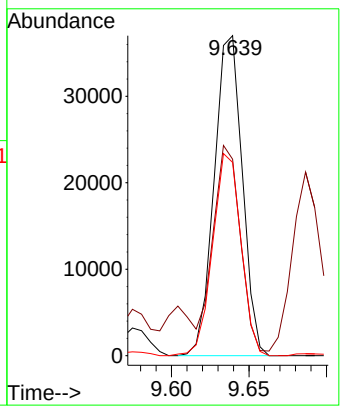


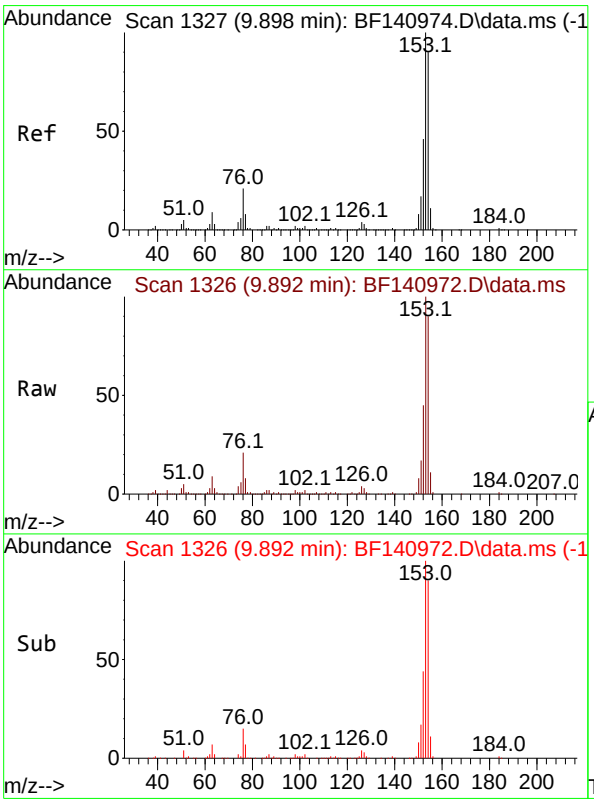
#51
2,6-Dinitrotoluene
Concen: 9.624 ng
RT: 9.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 46772

Ion	Ratio	Lower	Upper
165	100		
63	61.4	47.1	70.7
89	60.4	47.0	70.4

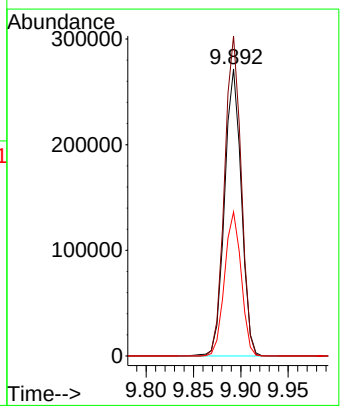


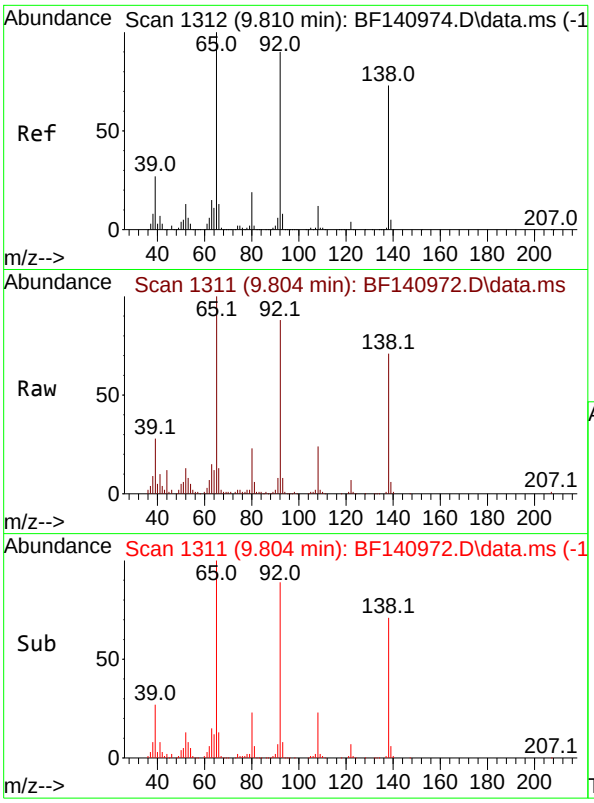


#52
Acenaphthene
Concen: 10.729 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:154 Resp: 334623

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.2	133.8
152	50.2	40.9	61.3



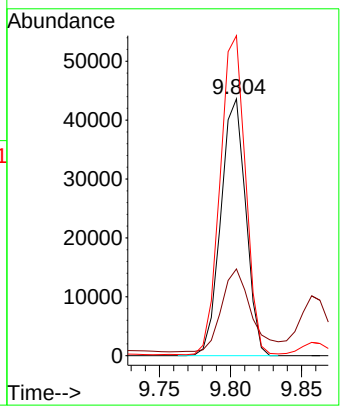


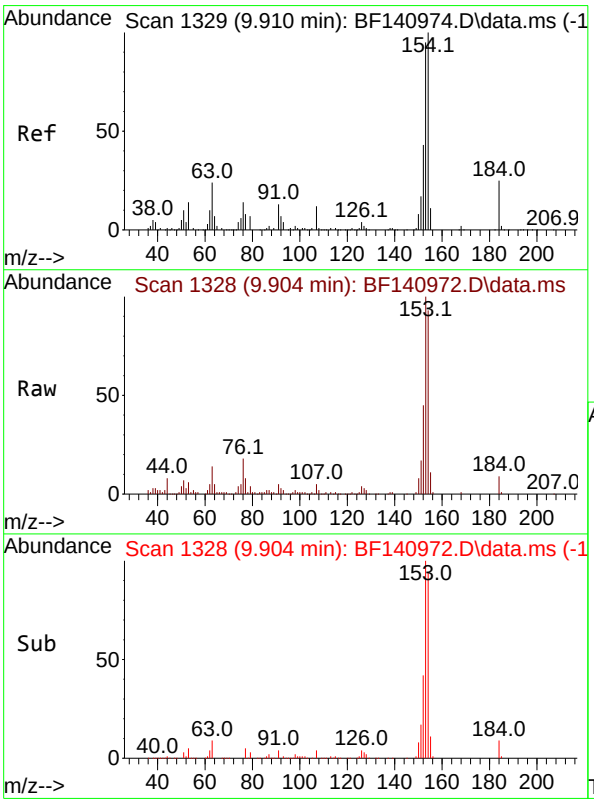
#53
3-Nitroaniline
Concen: 9.568 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 53244

Ion	Ratio	Lower	Upper
138	100		
108	33.8	13.5	20.3#
92	124.6	97.7	146.5

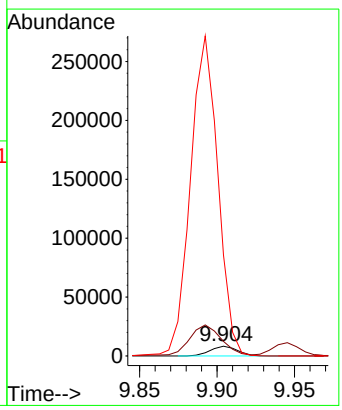


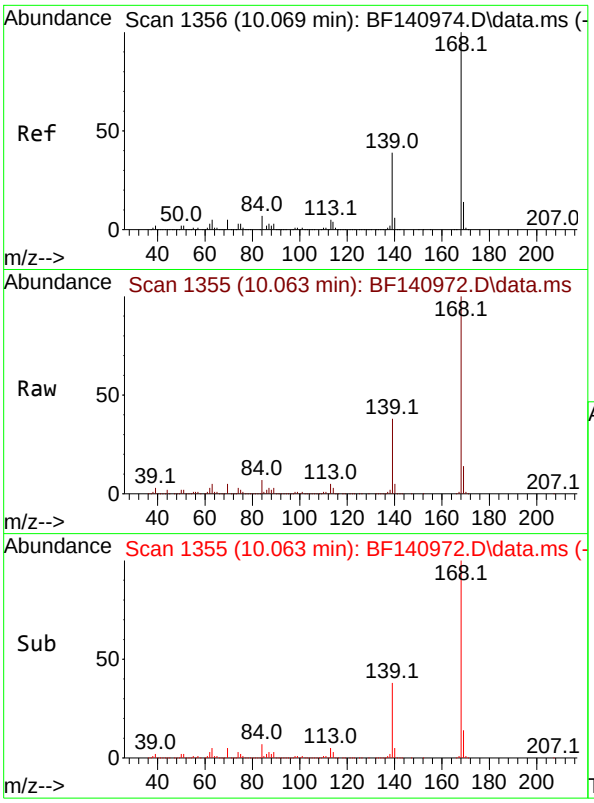


#54
2,4-Dinitrophenol
Concen: 11.150 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:184 Resp: 10078

Ion	Ratio	Lower	Upper
184	100		
63	150.3	81.6	122.4#
154	1038.6	363.5	545.3#



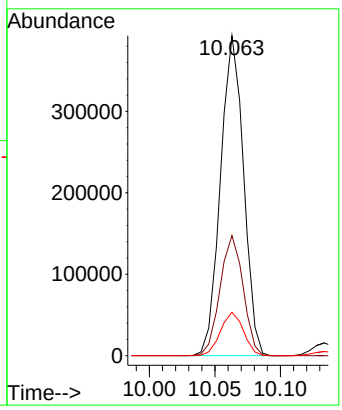


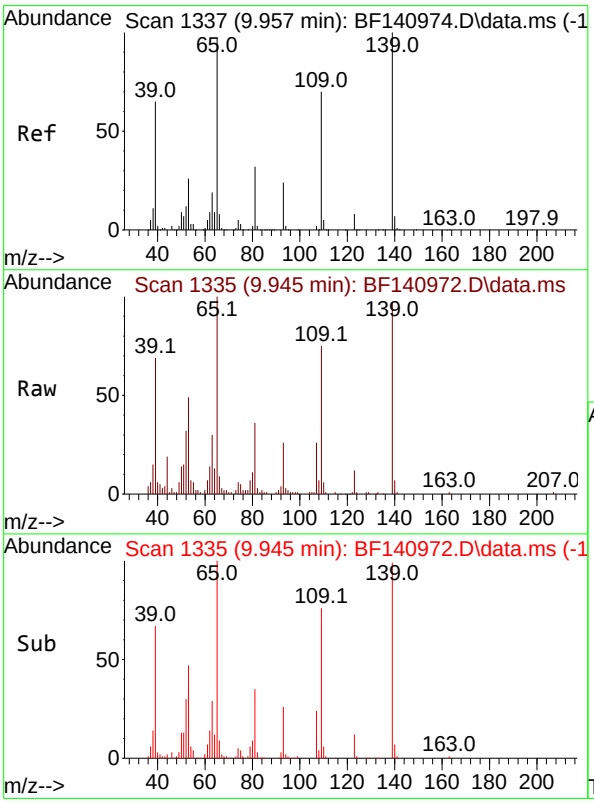
#55
Dibenzofuran
Concen: 10.959 ng
RT: 10.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 480351

Ion	Ratio	Lower	Upper
168	100		
139	37.5	31.6	47.4
169	13.5	11.0	16.6

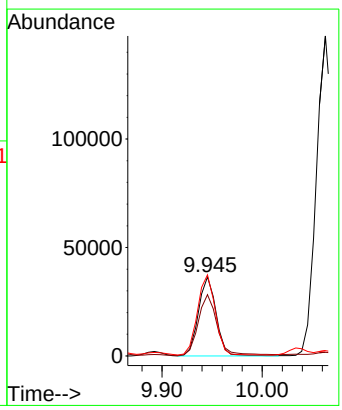


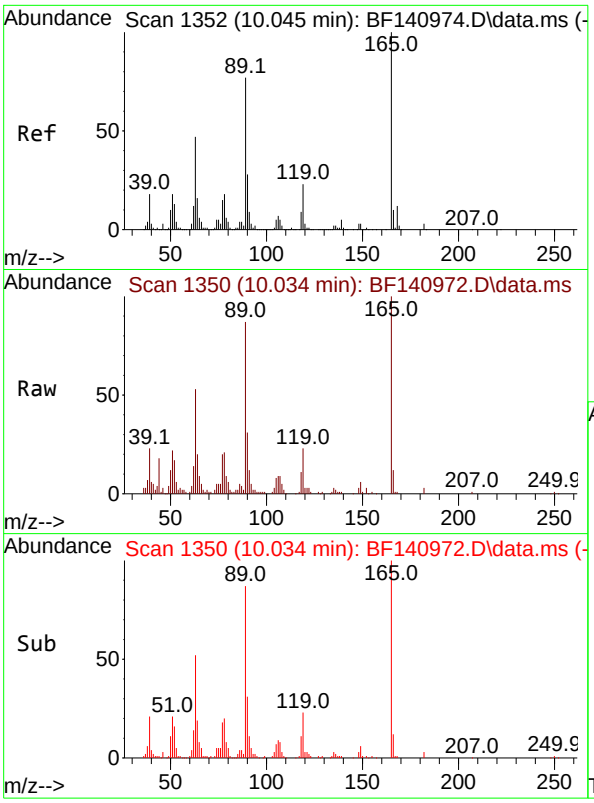


#56
4-Nitrophenol
Concen: 7.370 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:139 Resp: 44755

Ion	Ratio	Lower	Upper
139	100		
109	77.5	50.8	90.8
65	102.7	78.5	118.5



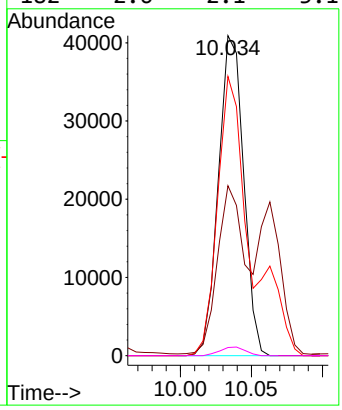


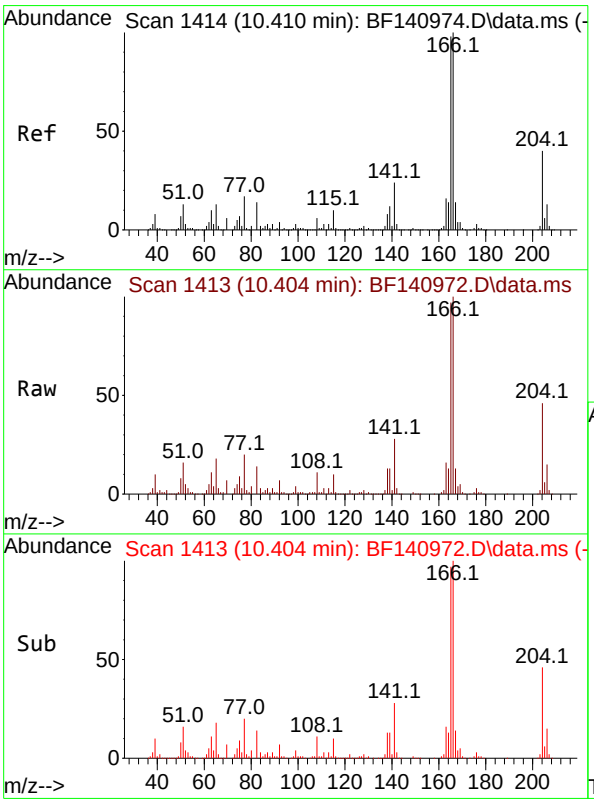
#57
2,4-Dinitrotoluene
Concen: 9.654 ng
RT: 10.034 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 50385

Ion	Ratio	Lower	Upper
165	100		
63	53.1	38.1	57.1
89	87.3	61.4	92.2
182	2.6	2.1	3.1

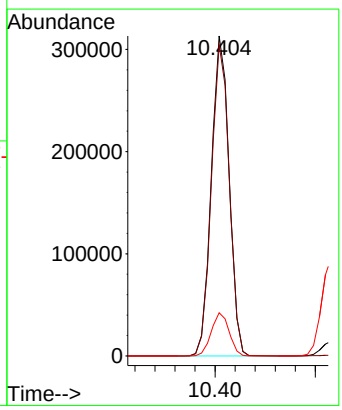


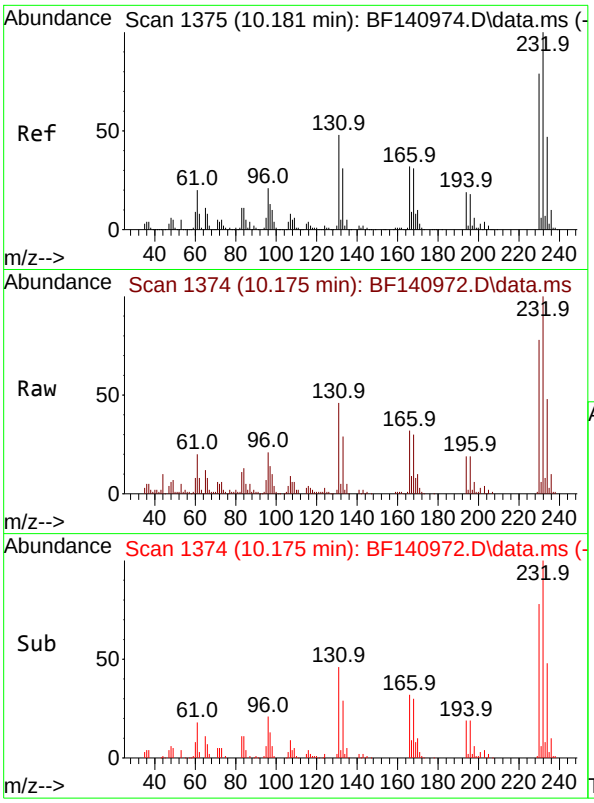


#58
Fluorene
Concen: 11.369 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:166 Resp: 386427

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.3	117.5
167	13.5	10.9	16.3



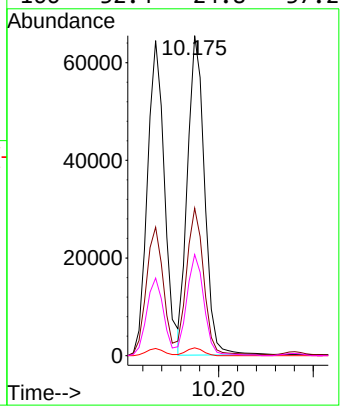


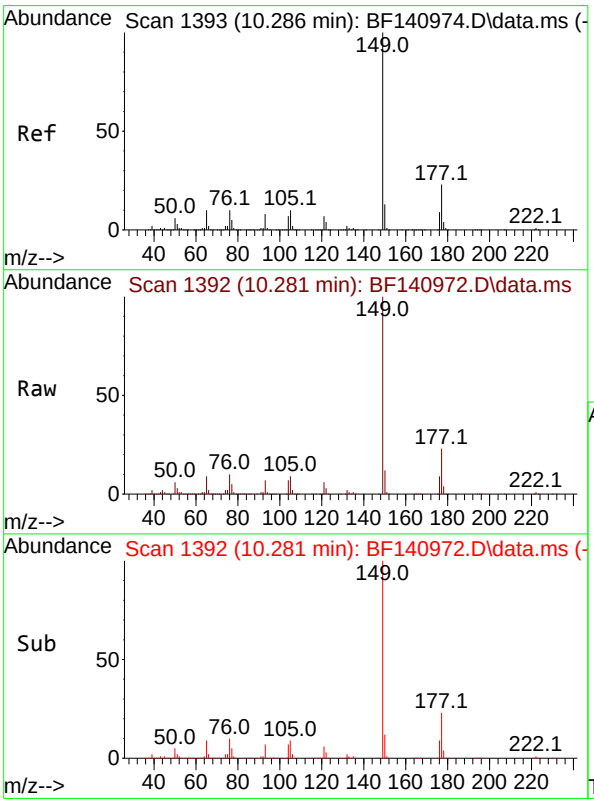
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.765 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 81766

Ion	Ratio	Lower	Upper
232	100		
131	47.4	37.4	56.2
130	2.5	1.8	2.8
166	32.4	24.8	37.2

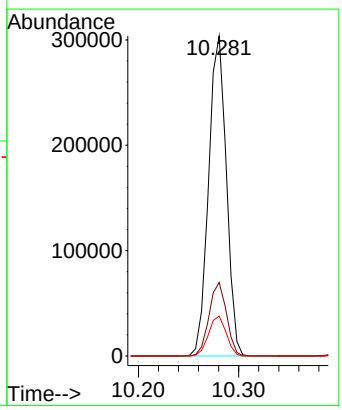


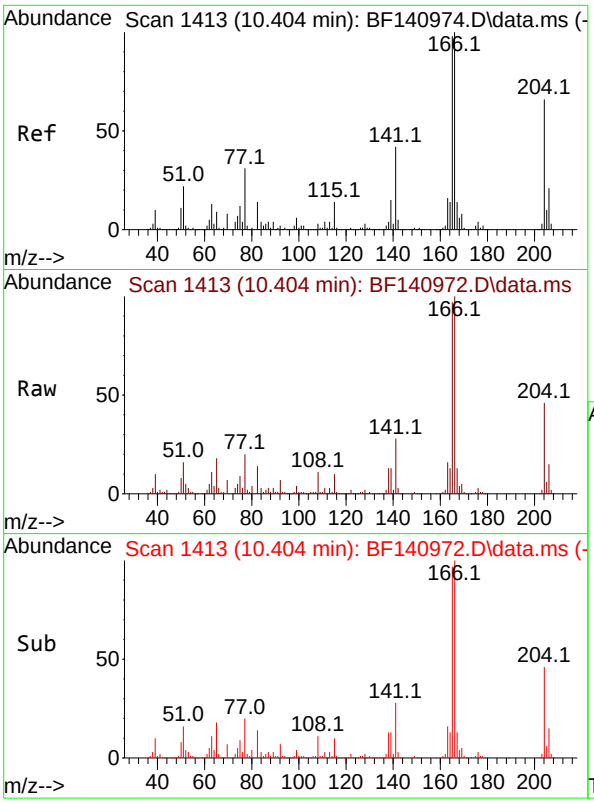


#60
Diethylphthalate
Concen: 10.675 ng
RT: 10.281 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:149 Resp: 374095

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	12.4	10.4	15.6



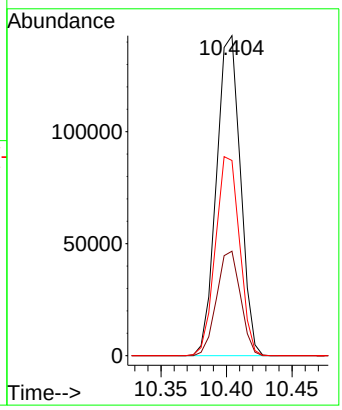


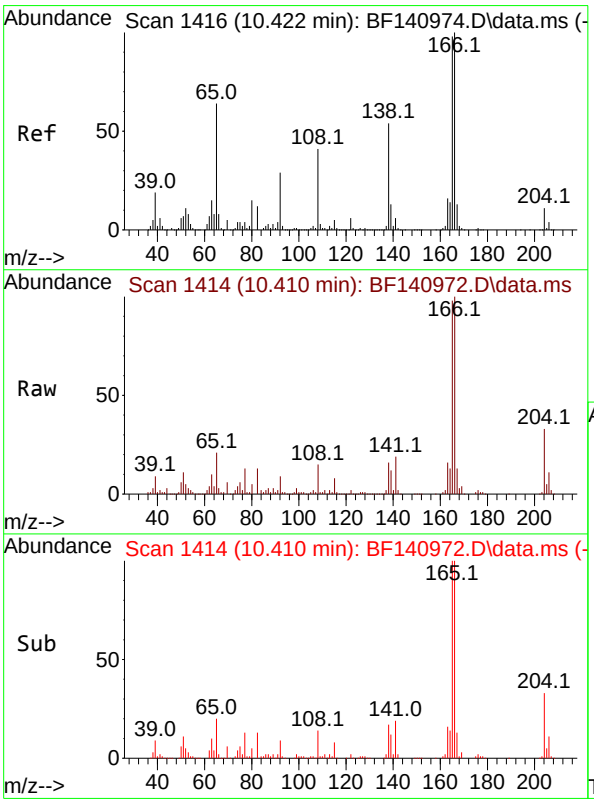
#61
4-Chlorophenyl-phenylether
Concen: 11.109 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 181693

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.8	38.6
141	61.0	51.2	76.8

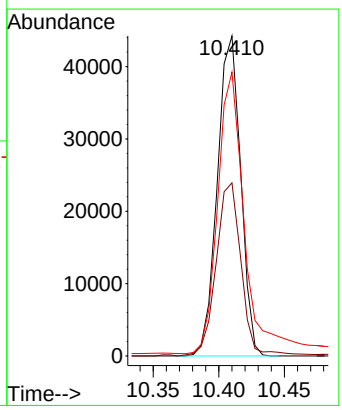


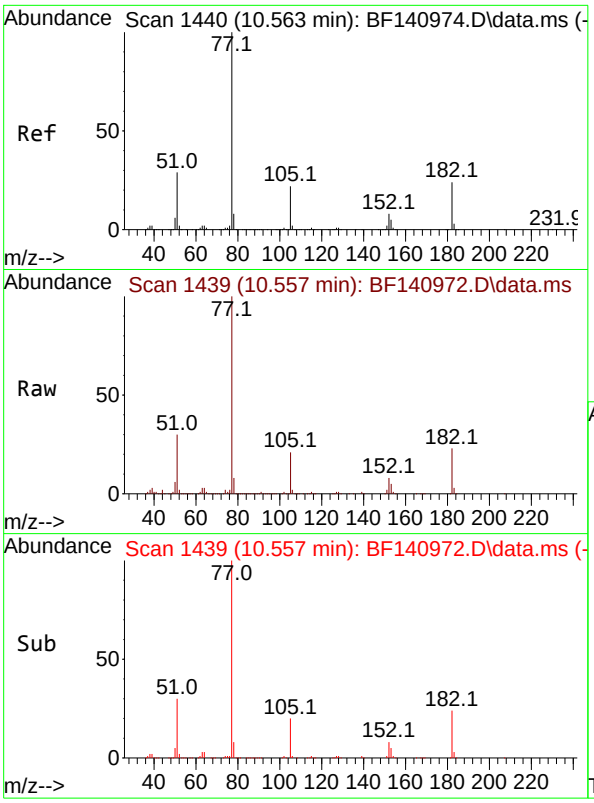


#62
4-Nitroaniline
Concen: 9.821 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:138 Resp: 54741

Ion	Ratio	Lower	Upper
138	100		
92	54.1	34.8	74.8
108	88.7	55.9	95.9



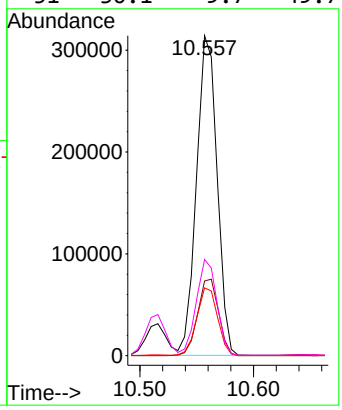


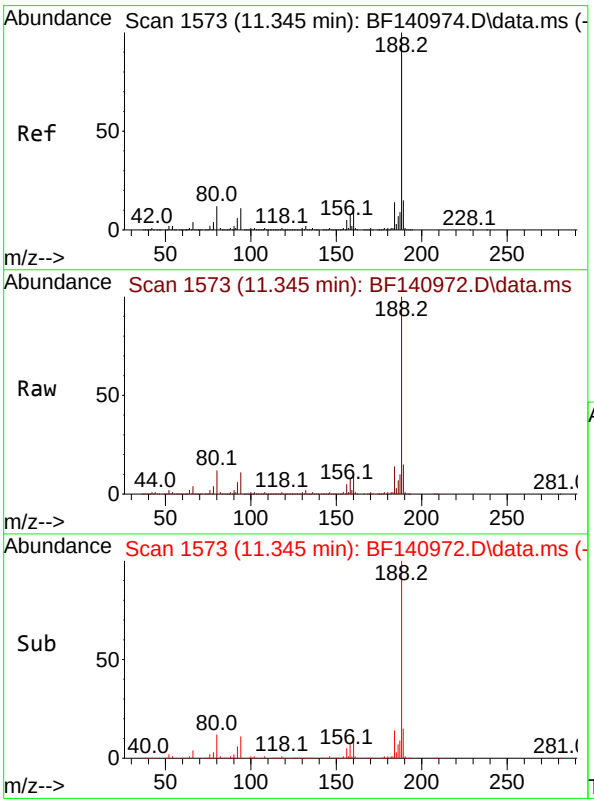
#63
Azobenzene
Concen: 10.749 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 395397

Ion	Ratio	Lower	Upper
77	100		
182	23.4	4.1	44.1
105	21.2	1.8	41.8
51	30.1	9.7	49.7

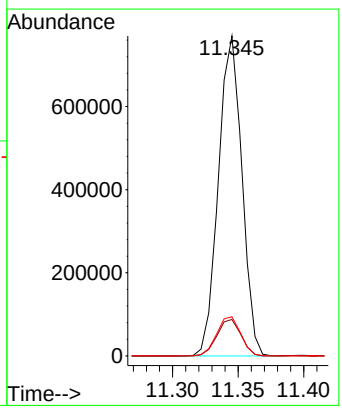


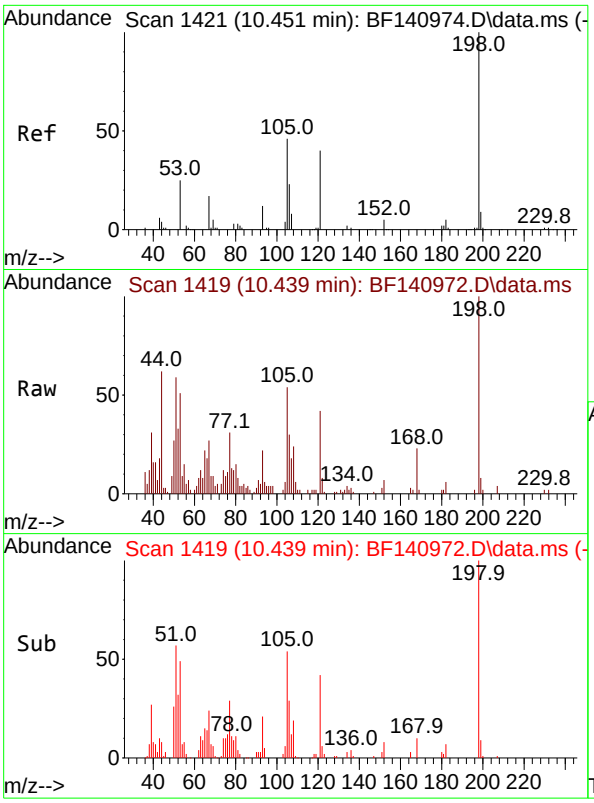


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:188 Resp: 960019

Ion	Ratio	Lower	Upper
188	100		
94	11.4	9.0	13.6
80	12.2	9.8	14.6



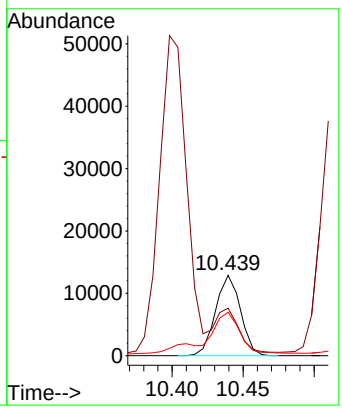


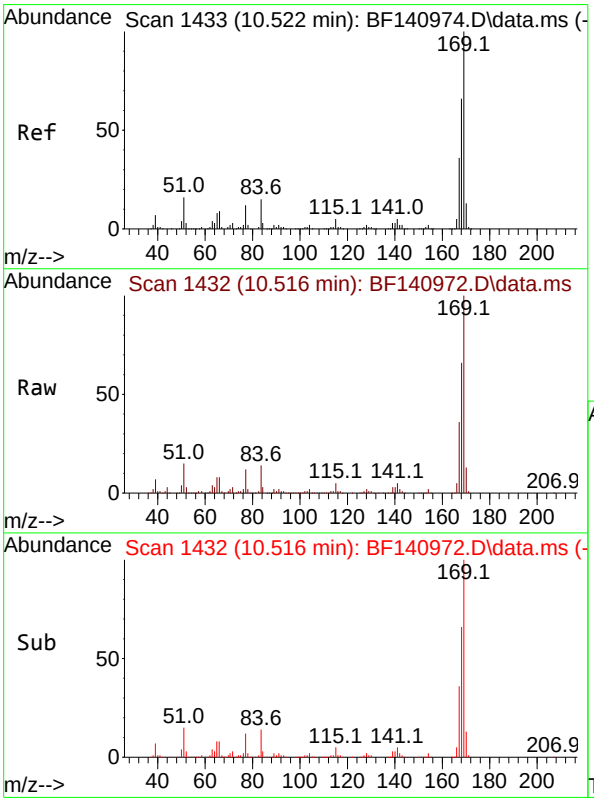
#65
4,6-Dinitro-2-methylphenol
Concen: 12.644 ng
RT: 10.439 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 15689

Ion	Ratio	Lower	Upper
198	100		
51	59.0	32.3	72.3
105	54.0	28.4	68.4

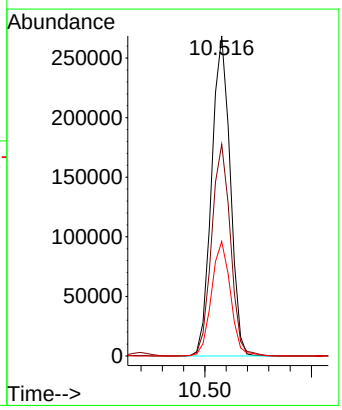


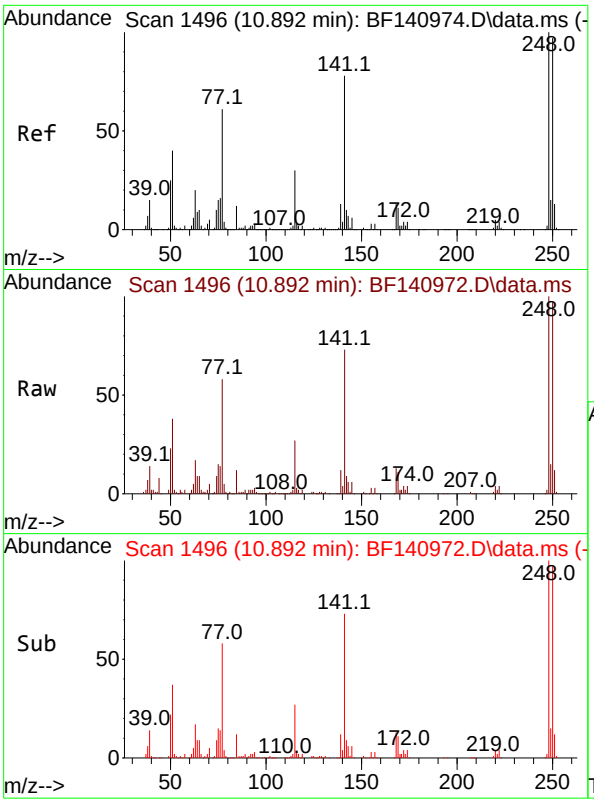


#66
n-Nitrosodiphenylamine
Concen: 10.725 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:169 Resp: 324220

Ion	Ratio	Lower	Upper
169	100		
168	66.2	52.6	79.0
167	35.8	29.0	43.4



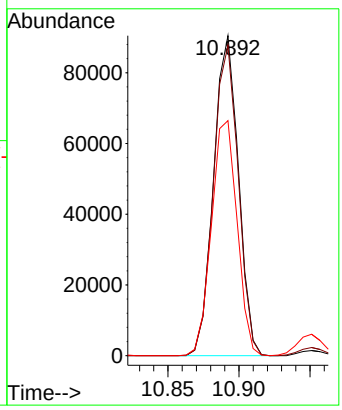


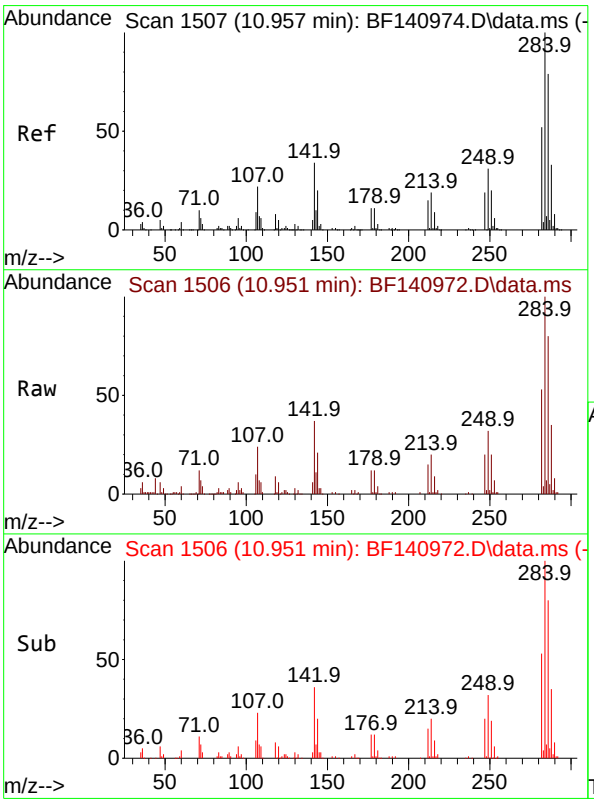
#67
4-Bromophenyl-phenylether
Concen: 10.604 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 110052

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.7	116.5
141	73.4	62.1	93.1

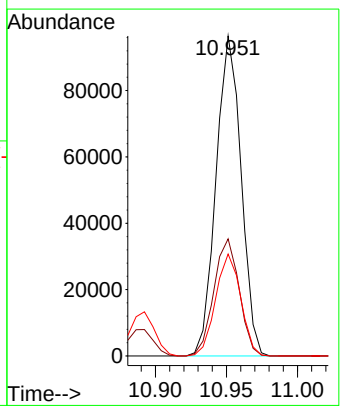


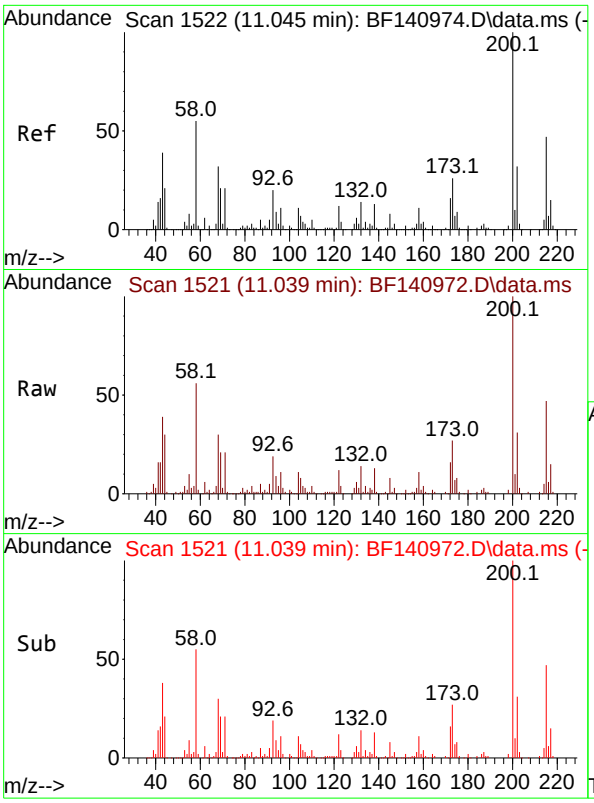


#68
Hexachlorobenzene
Concen: 10.343 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:284 Resp: 118361

Ion	Ratio	Lower	Upper
284	100		
142	36.6	27.1	40.7
249	31.8	25.1	37.7



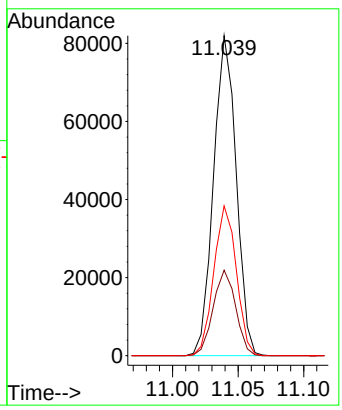


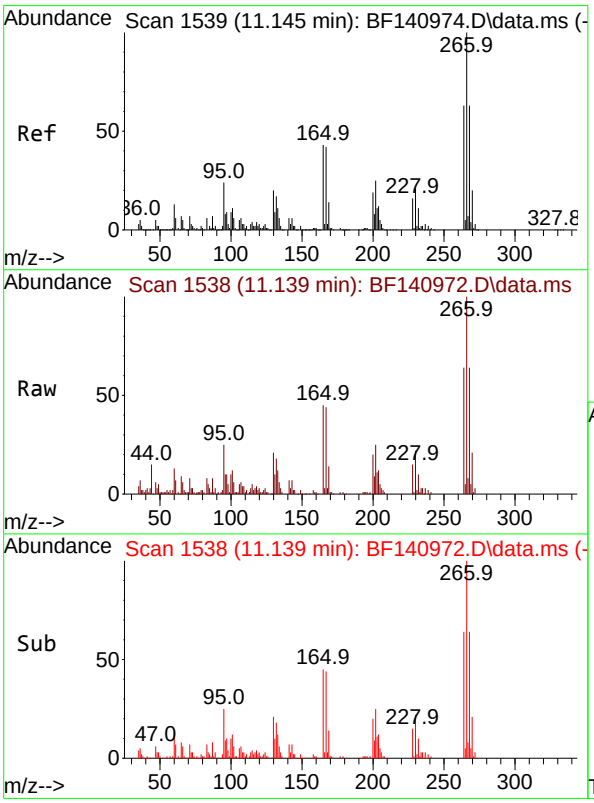
#69
Atrazine
Concen: 11.639 ng
RT: 11.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 98299

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.4	46.4
215	46.8	27.2	67.2

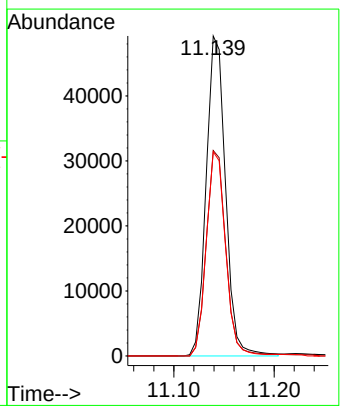


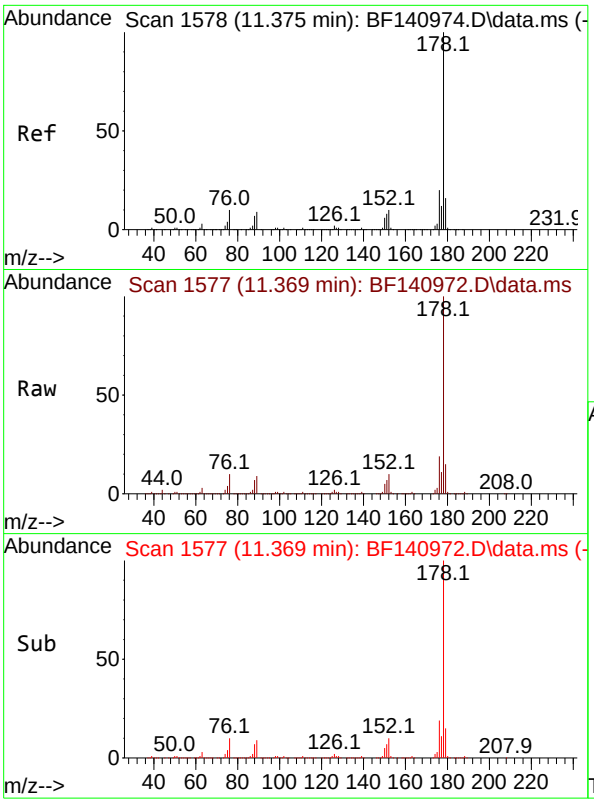


#70
Pentachlorophenol
Concen: 9.254 ng
RT: 11.139 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:266 Resp: 65934

Ion	Ratio	Lower	Upper
266	100		
268	64.2	50.5	75.7
264	63.8	50.2	75.4



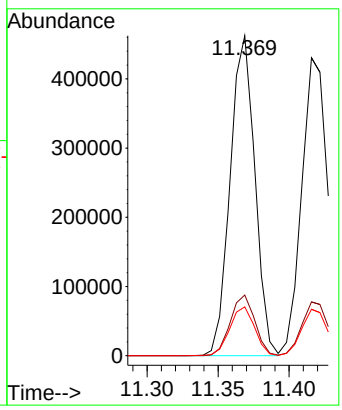


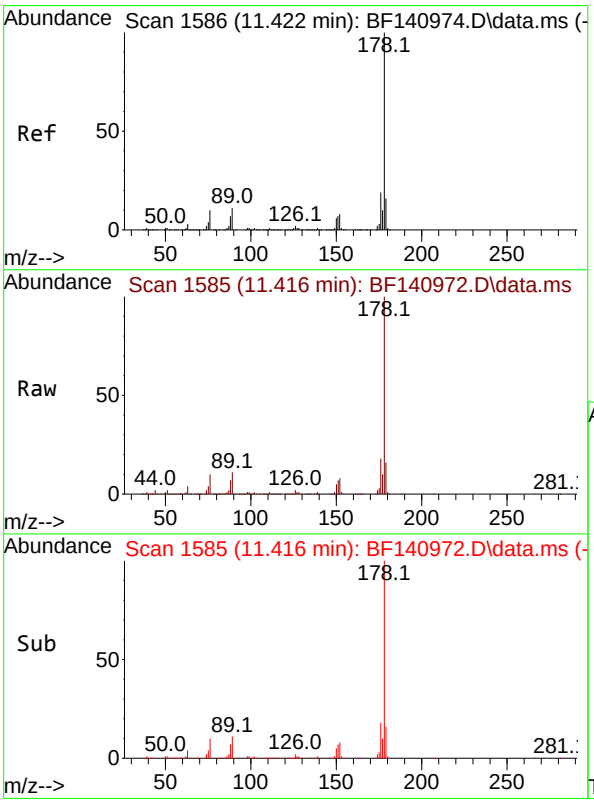
#71
Phenanthrene
Concen: 11.091 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 560414

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	15.2	12.6	19.0

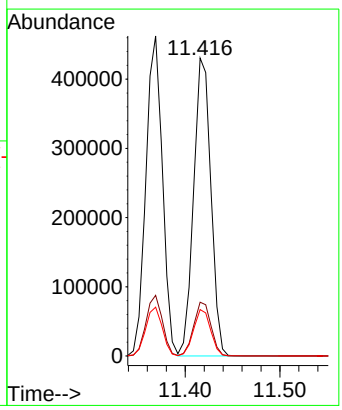


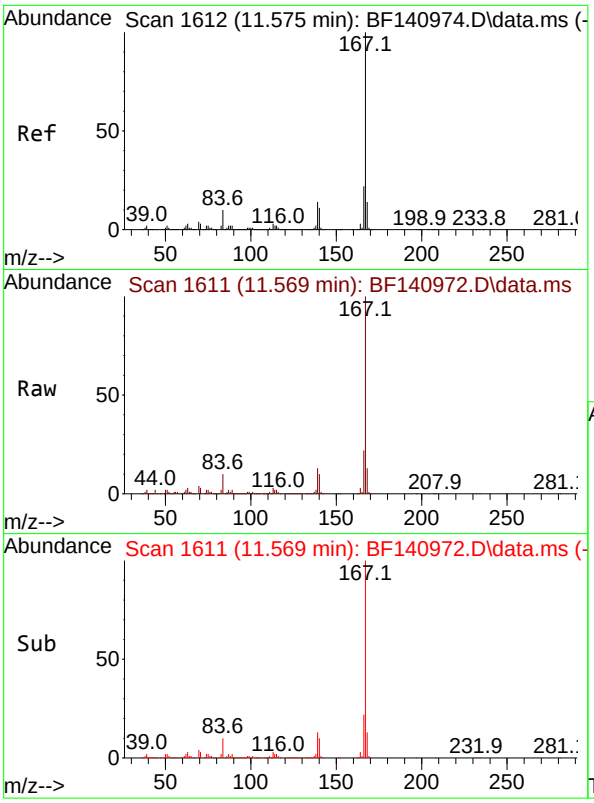


#72
Anthracene
Concen: 11.016 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:178 Resp: 545401

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.3	22.9
179	15.6	12.9	19.3



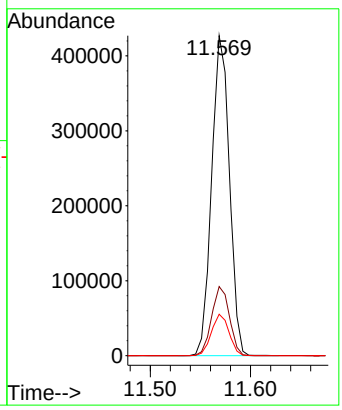


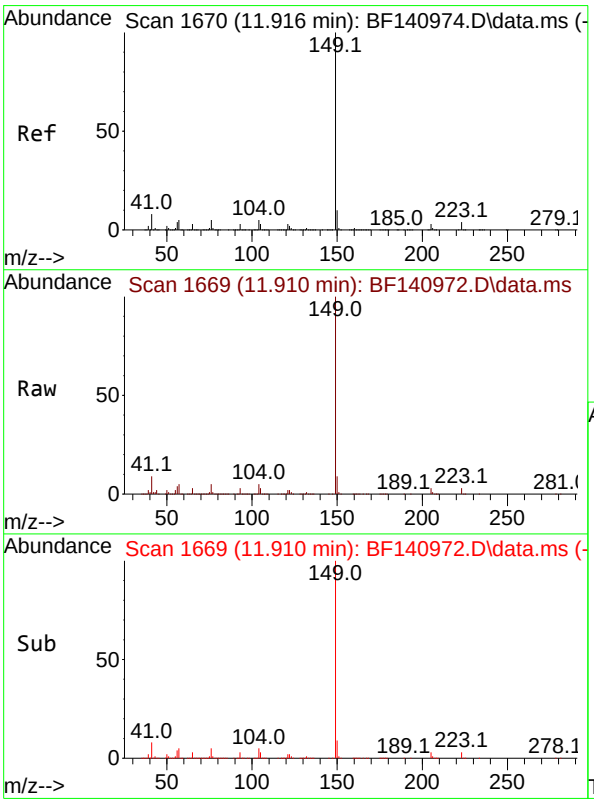
#73
Carbazole
Concen: 11.028 ng
RT: 11.569 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 524879

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	12.9	11.0	16.4

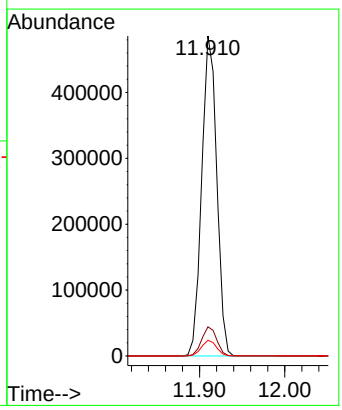


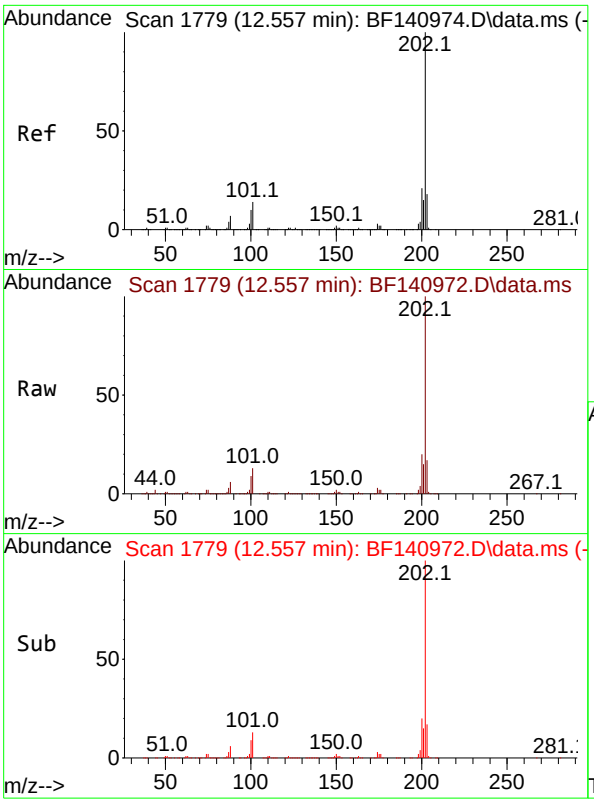


#74
Di-n-butylphthalate
Concen: 10.981 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:149 Resp: 594457

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.7	11.5
104	4.9	4.1	6.1



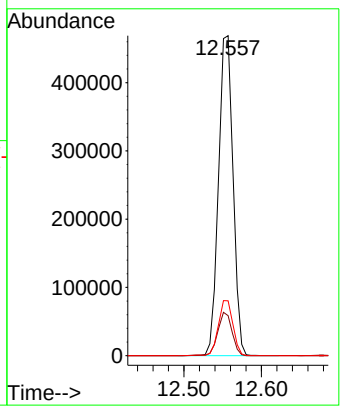


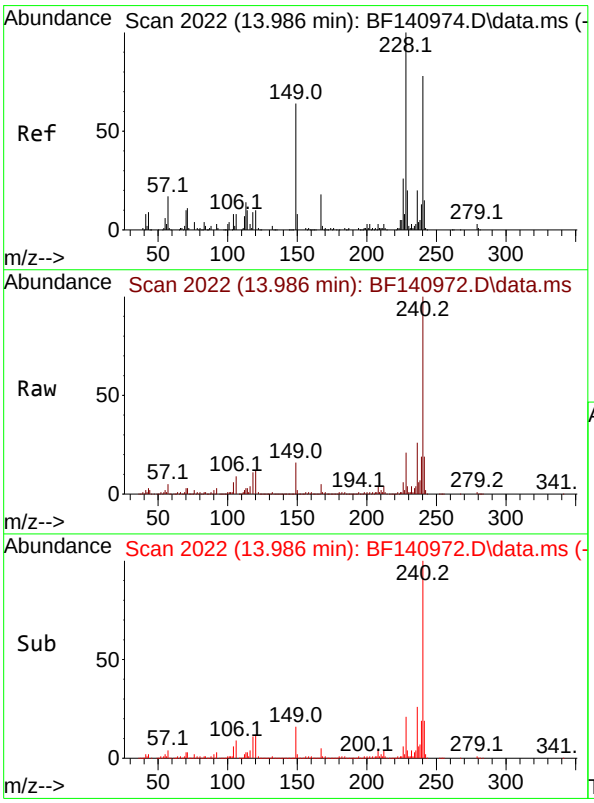
#75
Fluoranthene
Concen: 11.163 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 611729

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.7
203	17.1	0.0	38.1

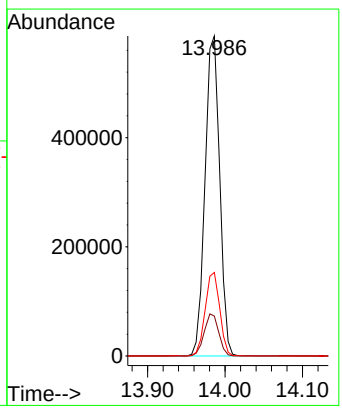


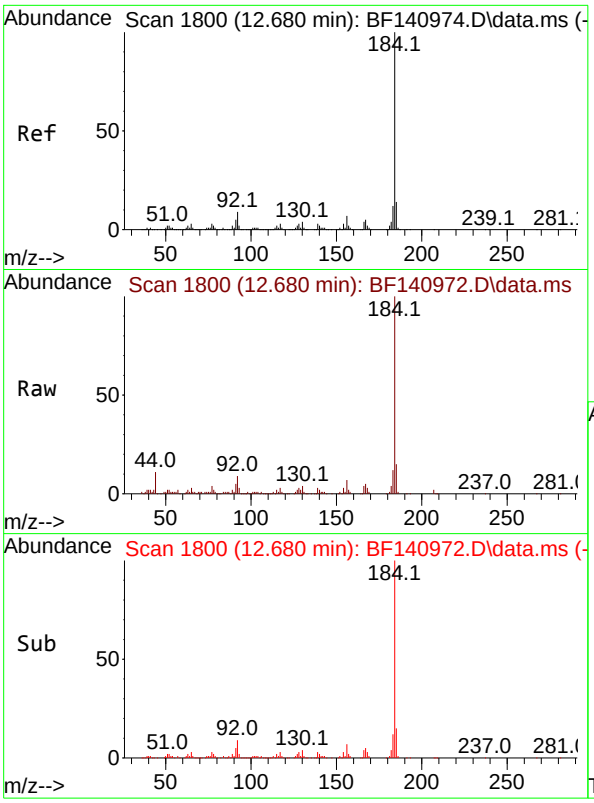


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:240 Resp: 769052

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.7	16.1
236	26.1	20.6	31.0



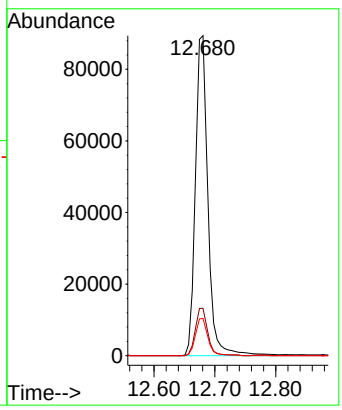


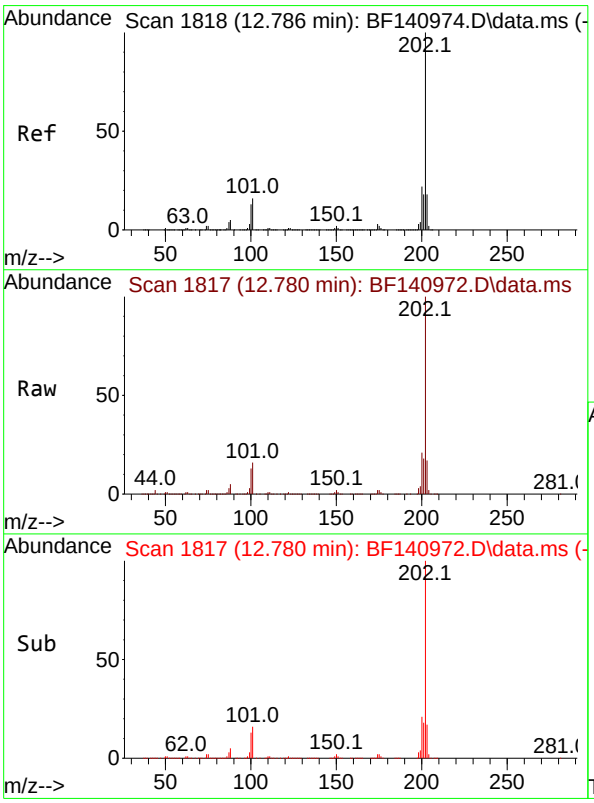
#77
Benzidine
Concen: 7.873 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 127969

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.4	17.2
183	11.6	9.4	14.0

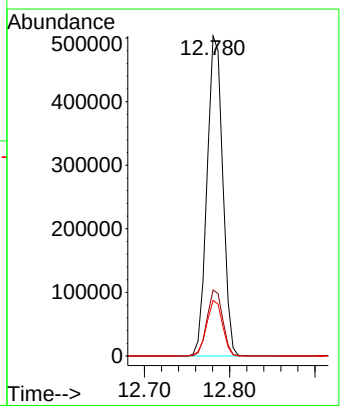


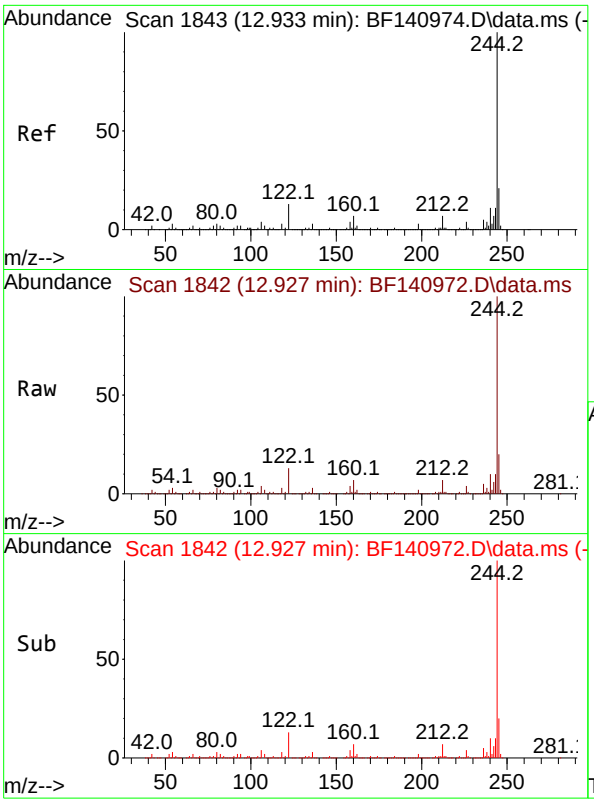


#78
Pyrene
Concen: 9.549 ng
RT: 12.780 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:202 Resp: 642229

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.3	25.9
203	17.3	14.6	21.8



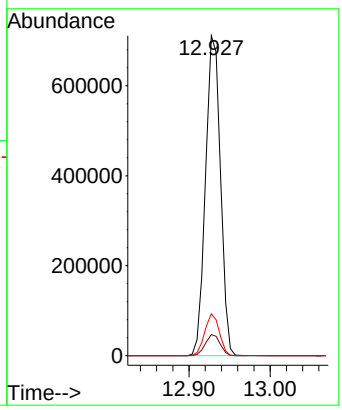


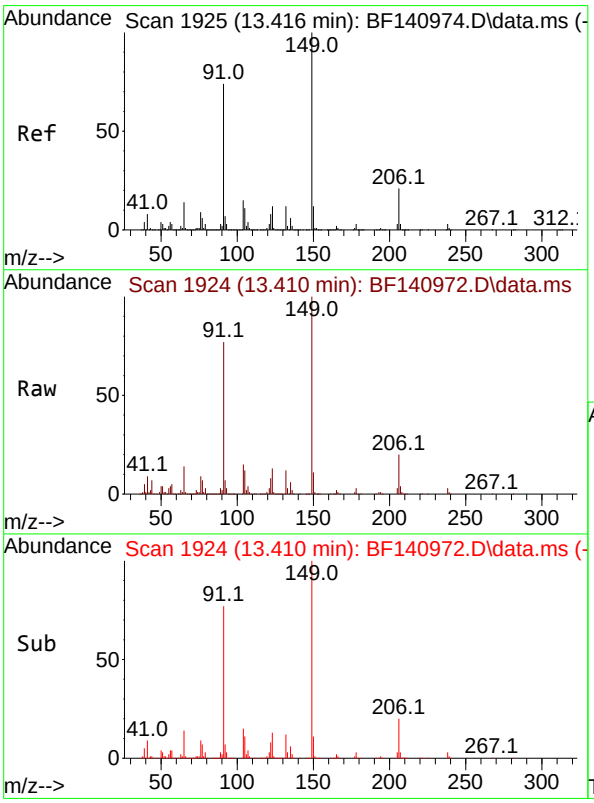
#79
Terphenyl-d14
Concen: 19.616 ng
RT: 12.927 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 908253

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	13.1	10.2	15.2

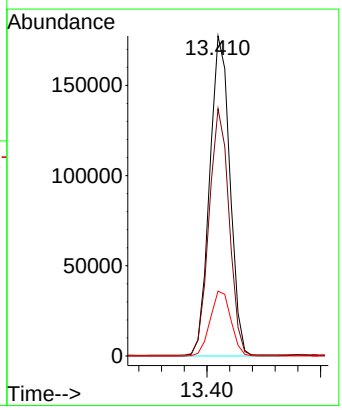


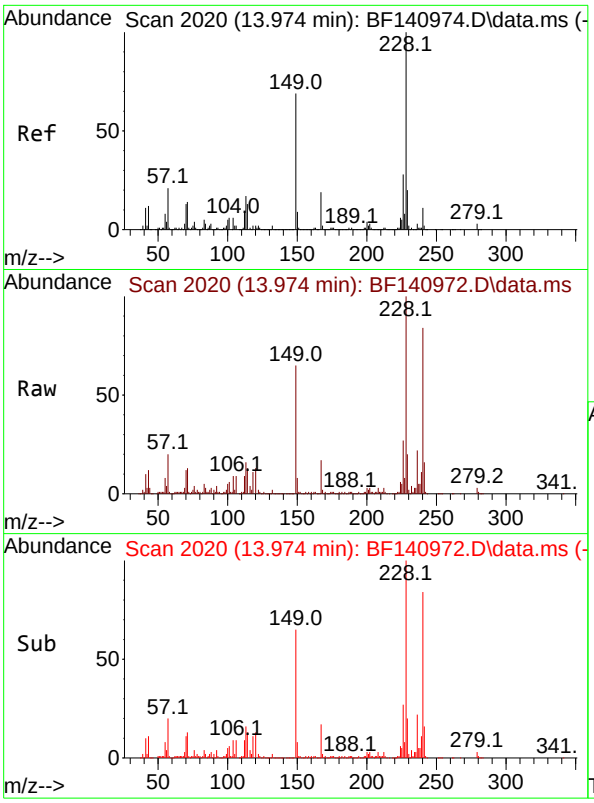


#80
Butylbenzylphthalate
Concen: 8.939 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:149 Resp: 219532

Ion	Ratio	Lower	Upper
149	100		
91	77.2	59.5	89.3
206	20.2	17.1	25.7



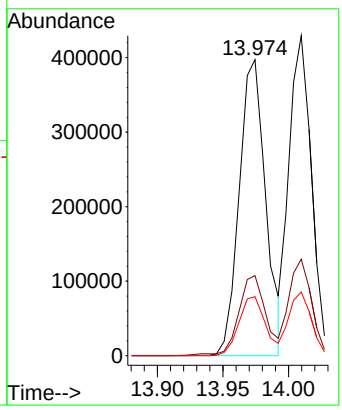


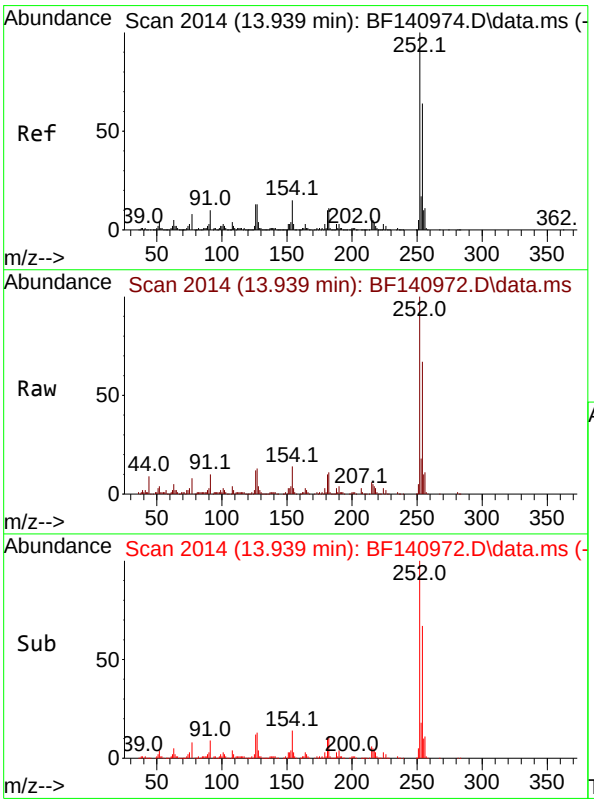
#81
Benzo(a)anthracene
Concen: 10.419 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 558462

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.1	33.1
229	19.9	16.2	24.2

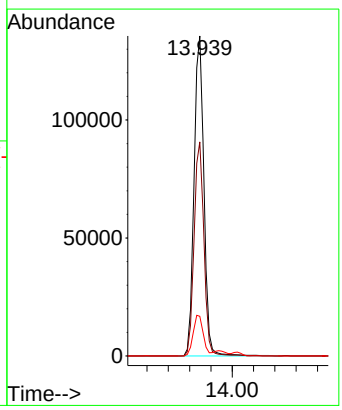


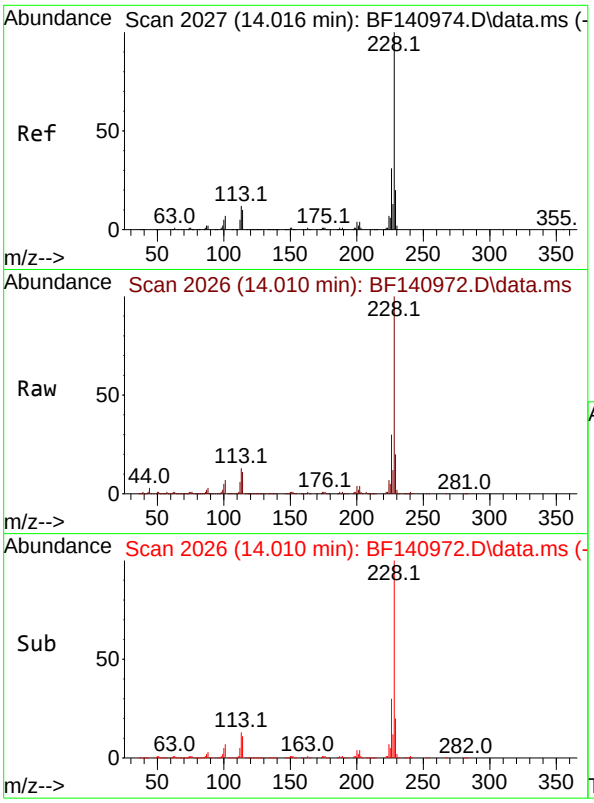


#82
3,3'-Dichlorobenzidine
Concen: 10.857 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:252 Resp: 174840

Ion	Ratio	Lower	Upper
252	100		
254	66.9	51.5	77.3
126	12.4	10.3	15.5



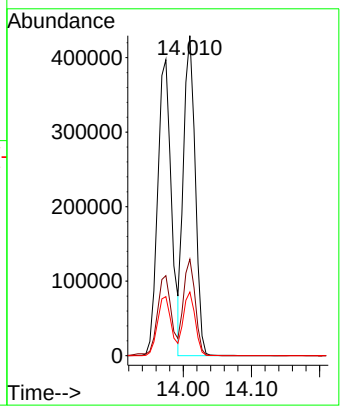


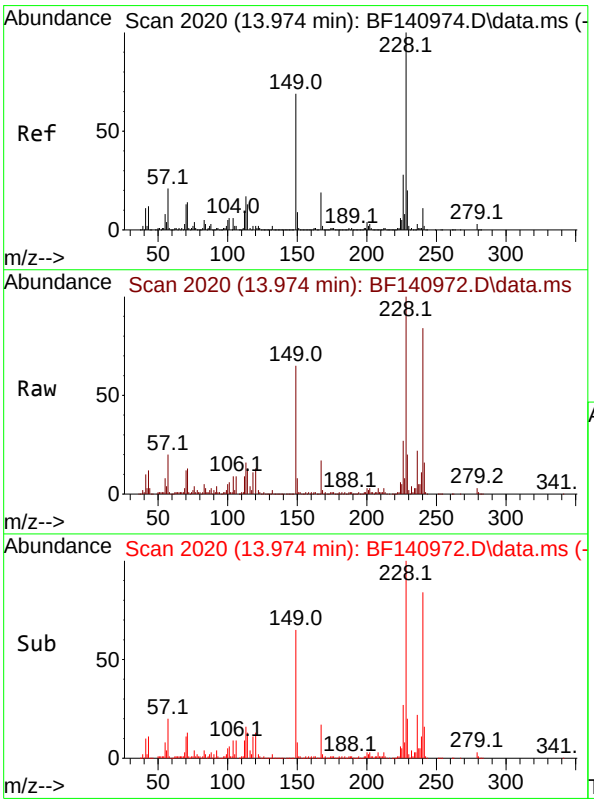
#83
Chrysene
Concen: 10.587 ng
RT: 14.010 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 511519

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.5	36.7
229	19.9	16.2	24.4

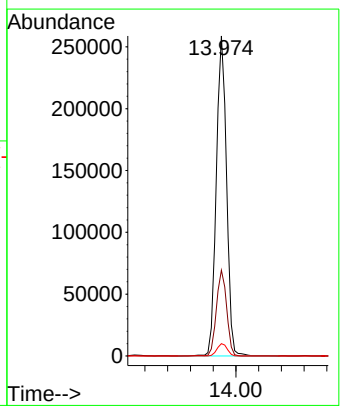


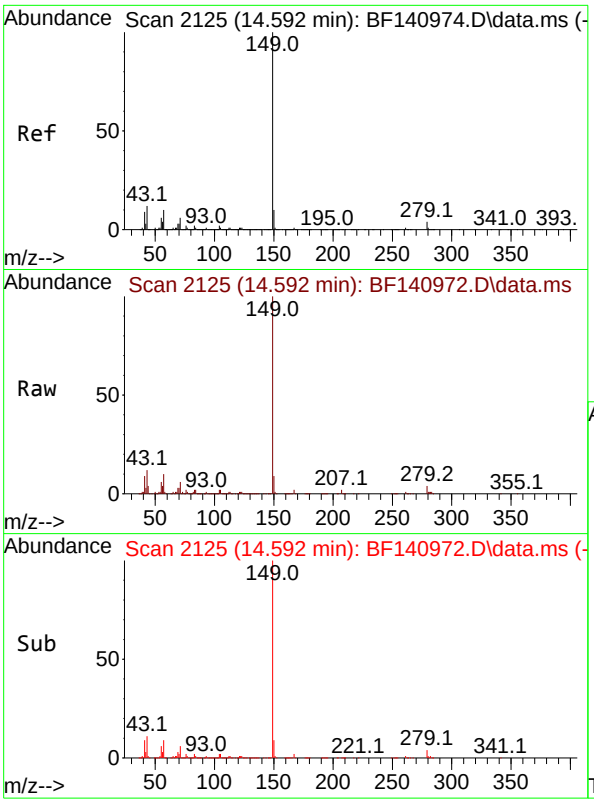


#84
Bis(2-ethylhexyl)phthalate
Concen: 10.159 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:149 Resp: 323647

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.6	32.4
279	3.9	3.2	4.8



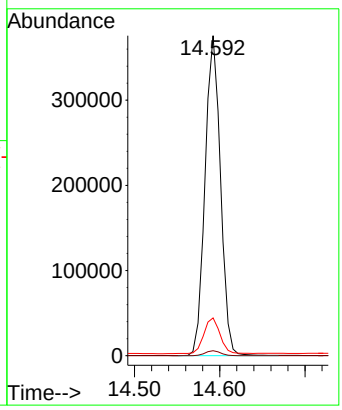


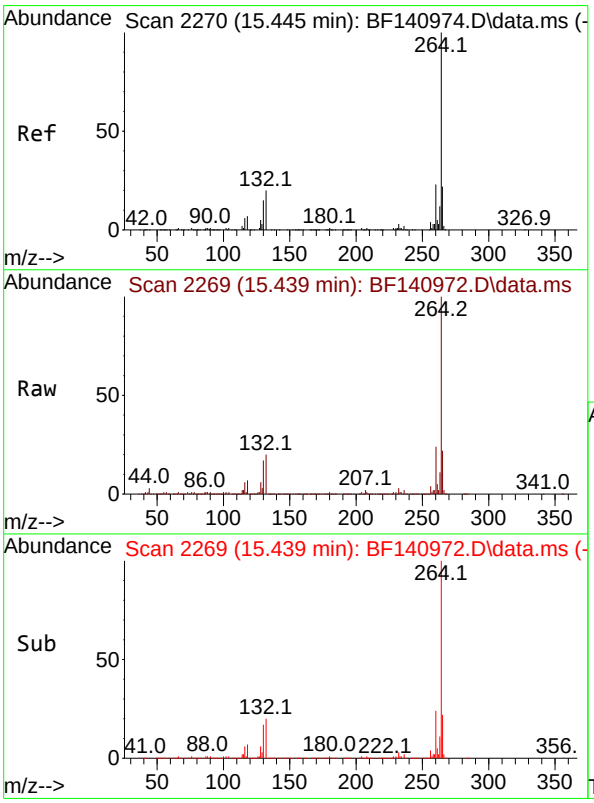
#85
Di-n-octyl phthalate
Concen: 10.269 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 473516

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.8	9.3	13.9

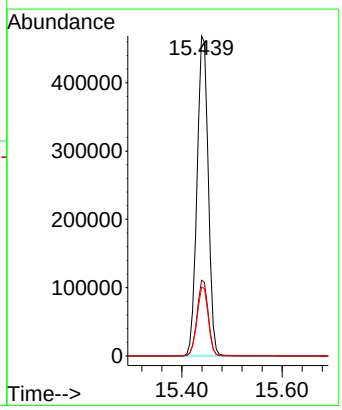


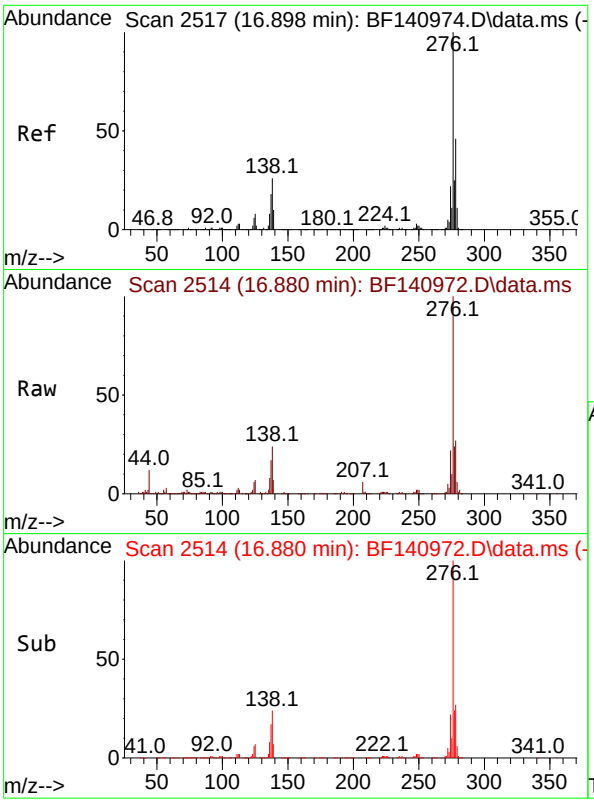


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:264 Resp: 725753

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.5	17.4	26.2



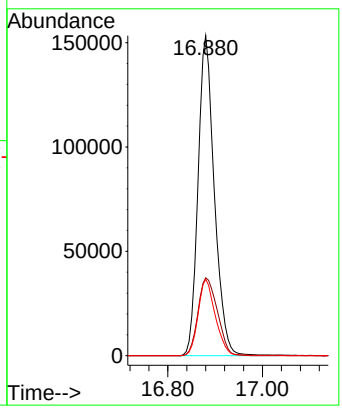


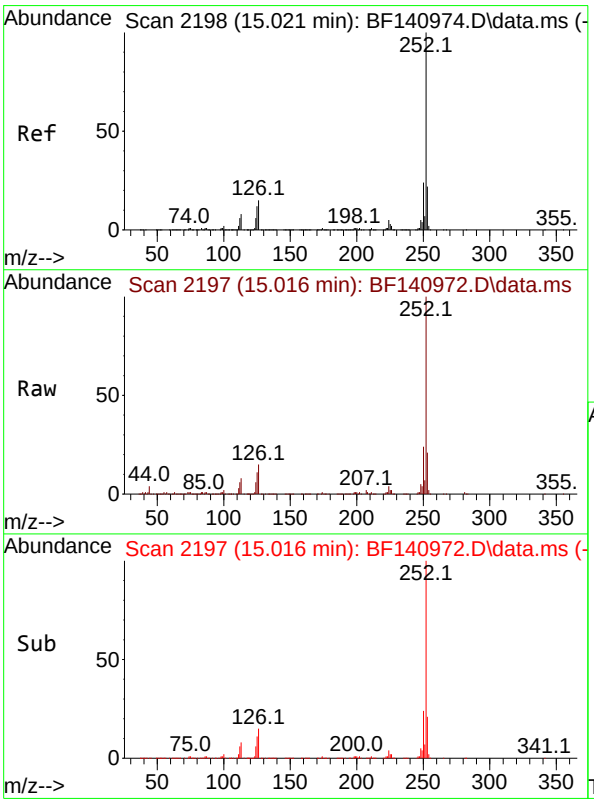
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.004 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 365994

Ion	Ratio	Lower	Upper
276	100		
138	29.0	23.1	34.7
277	25.1	20.4	30.6

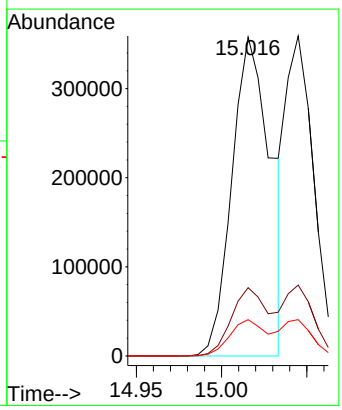


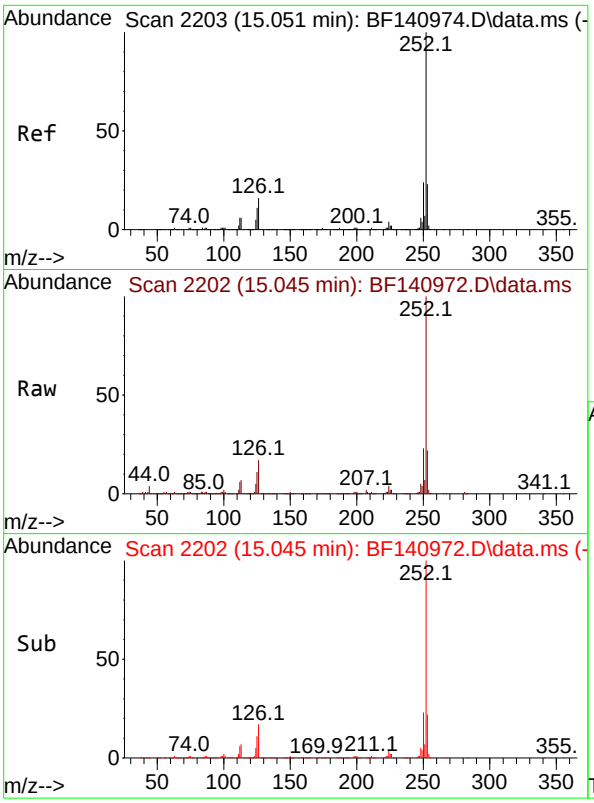


#88
Benzo(b)fluoranthene
Concen: 11.213 ng
RT: 15.016 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:252 Resp: 567548

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	11.4	9.3	13.9



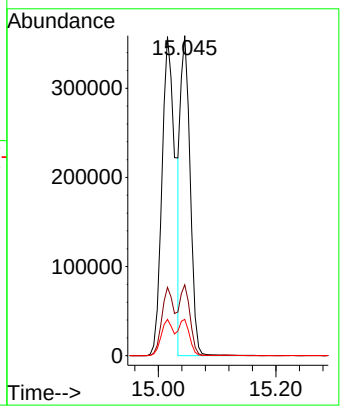


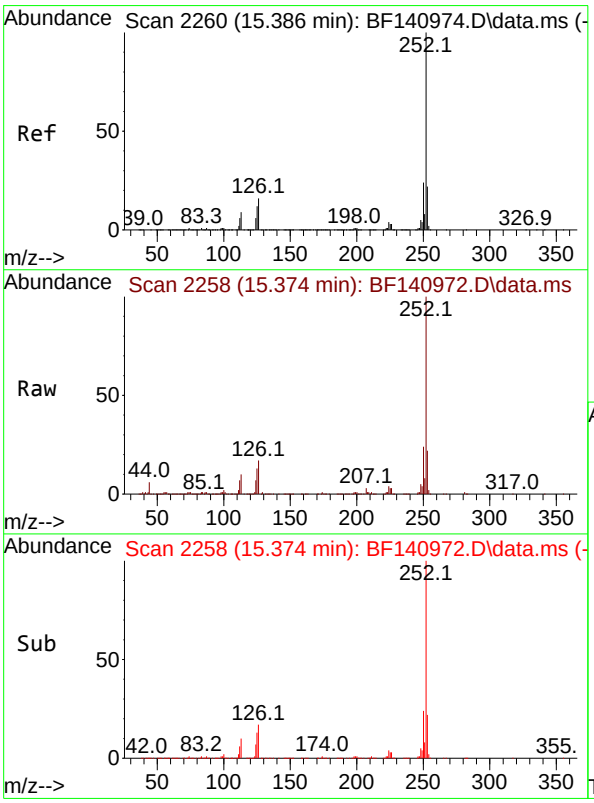
#89
Benzo(k)fluoranthene
Concen: 10.256 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 406884

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	11.4	9.4	14.0

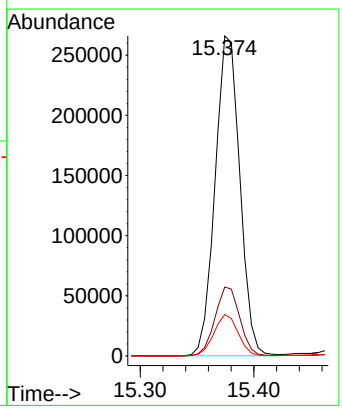


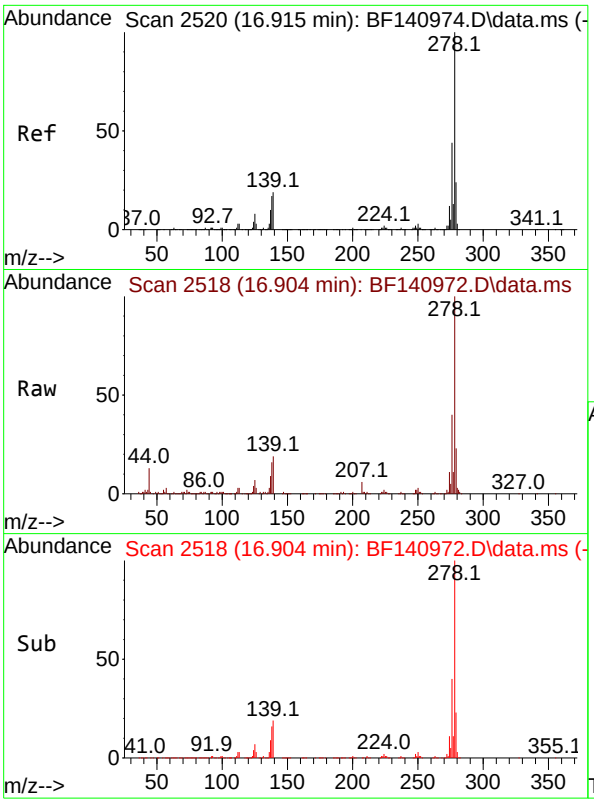


#90
Benzo(a)pyrene
Concen: 10.230 ng
RT: 15.374 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:252 Resp: 401924

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	13.0	9.8	14.8



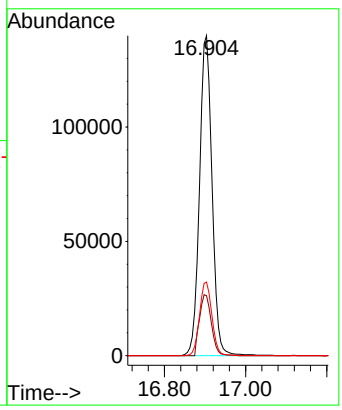


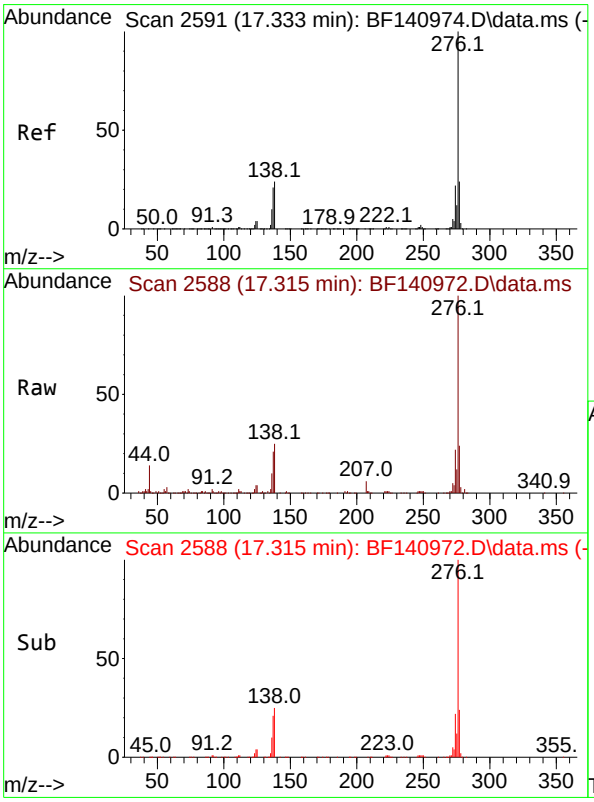
#91
Dibenzo(a,h)anthracene
Concen: 8.115 ng
RT: 16.904 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 300782

Ion	Ratio	Lower	Upper
278	100		
139	18.8	14.9	22.3
279	23.0	19.0	28.6

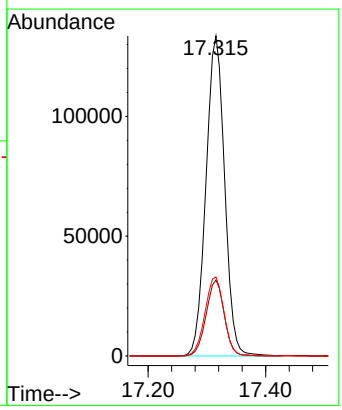




#92
Benzo(g,h,i)perylene
Concen: 7.654 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.018 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:276 Resp: 294254

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	24.7	19.4	29.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140973.D
Acq On : 26 Dec 2024 17:41
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Dec 27 00:19:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	269565	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1065985	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	573072	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	1007534	20.000	ng	0.00
76) Chrysene-d12	13.986	240	755829	20.000	ng	0.00
86) Perylene-d12	15.445	264	616760	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	767394	42.912	ng	0.00
7) Phenol-d6	6.440	99	976492	42.388	ng	-0.01
23) Nitrobenzene-d5	7.387	82	685087	41.117	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	232752	41.797	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1579020	43.899	ng	0.00
79) Terphenyl-d14	12.933	244	1795750	39.463	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.563	88	168084	20.761	ng	99
3) Pyridine	3.304	79	426244	21.543	ng	99
4) n-Nitrosodimethylamine	3.240	42	209632	20.911	ng	96
6) Aniline	6.492	93	466960	22.727	ng	99
8) 2-Chlorophenol	6.610	128	399668	21.198	ng	98
9) Benzaldehyde	6.375	77	293566	22.432	ng	100
10) Phenol	6.457	94	502959	21.114	ng	98
11) bis(2-Chloroethyl)ether	6.563	93	390561	20.325	ng	98
12) 1,3-Dichlorobenzene	6.769	146	444586	21.366	ng	99
13) 1,4-Dichlorobenzene	6.845	146	447949	21.355	ng	98
14) 1,2-Dichlorobenzene	6.998	146	421063	21.530	ng	99
15) Benzyl Alcohol	6.963	79	349962	21.140	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	623448	21.433	ng	98
17) 2-Methylphenol	7.069	107	330603	21.106	ng	100
18) Hexachloroethane	7.340	117	157325	21.113	ng	96
19) n-Nitroso-di-n-propyla...	7.234	70	290977	20.617	ng	98
20) 3+4-Methylphenols	7.222	107	430865	21.737	ng	97
22) Acetophenone	7.234	105	555544	21.244	ng	99
24) Nitrobenzene	7.404	77	388514	20.868	ng	100
25) Isophorone	7.645	82	761280	20.997	ng	99
26) 2-Nitrophenol	7.722	139	113601	18.546	ng	98
27) 2,4-Dimethylphenol	7.757	122	276735	20.884	ng	98
28) bis(2-Chloroethoxy)met...	7.857	93	492370	21.434	ng	98
29) 2,4-Dichlorophenol	7.957	162	314184	20.906	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	359008	21.106	ng	100
31) Naphthalene	8.134	128	1217616	21.677	ng	99
32) Benzoic acid	7.834	122	161566	20.134	ng	98
33) 4-Chloroaniline	8.175	127	430141	21.167	ng	100
34) Hexachlorobutadiene	8.251	225	209359	20.878	ng	99
35) Caprolactam	8.522	113	106661	20.875	ng	99
36) 4-Chloro-3-methylphenol	8.645	107	348318	20.870	ng	100
37) 2-Methylnaphthalene	8.816	142	779831	21.701	ng	99
38) 1-Methylnaphthalene	8.916	142	756896	21.432	ng	100
40) 1,2,4,5-Tetrachloroben...	8.981	216	335609	21.287	ng	100
41) Hexachlorocyclopentadiene	8.975	237	108149	20.700	ng	99
43) 2,4,6-Trichlorophenol	9.092	196	227943	21.723	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140973.D
Acq On : 26 Dec 2024 17:41
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Dec 27 00:19:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

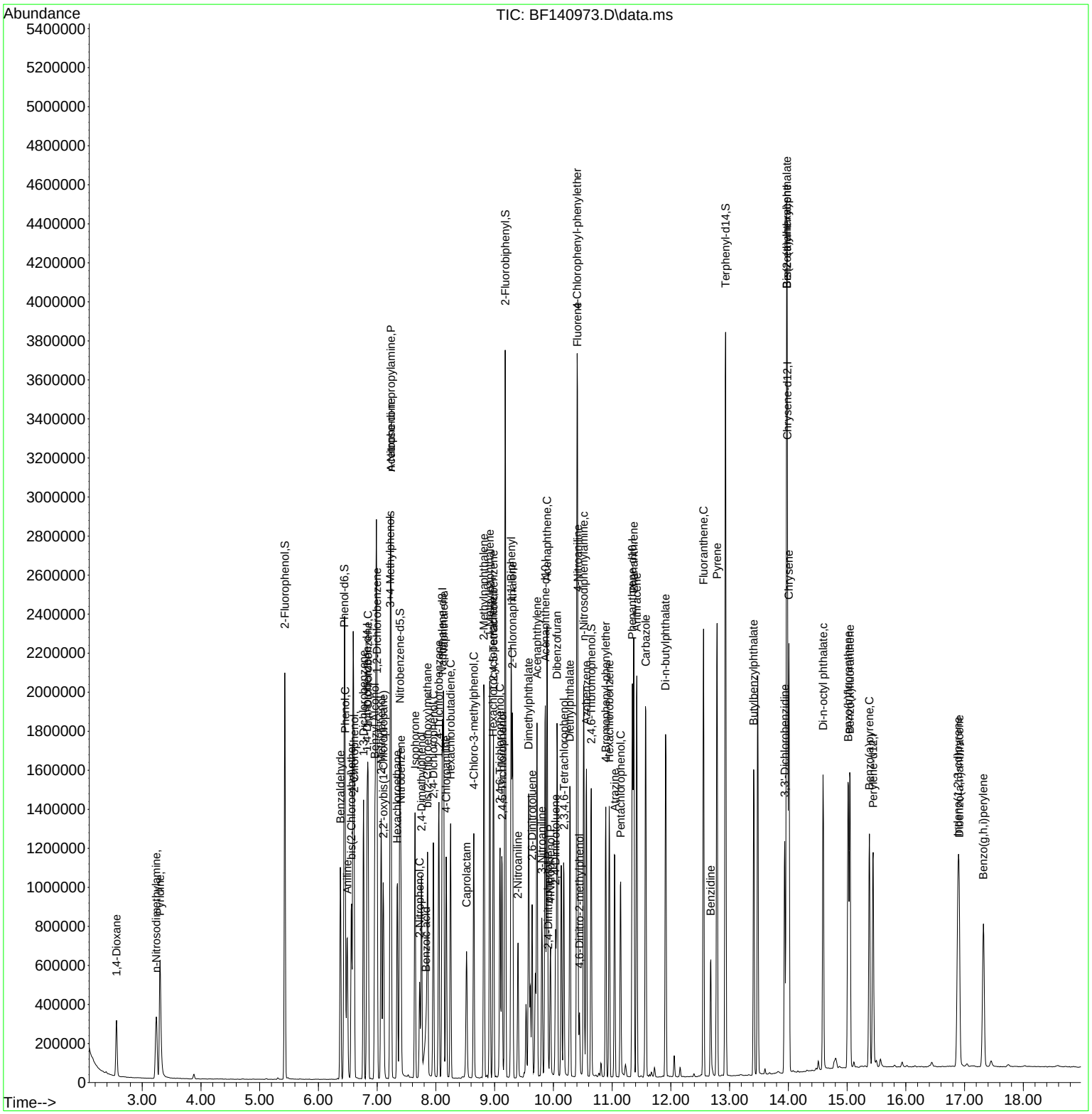
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	215889	20.108	ng		98
46) 1,1'-Biphenyl	9.281	154	946134	21.562	ng		99
47) 2-Chloronaphthalene	9.304	162	727825	21.387	ng		99
48) 2-Nitroaniline	9.398	65	142035	19.054	ng		96
49) Acenaphthylene	9.722	152	1045099	21.333	ng		99
50) Dimethylphthalate	9.581	163	796157	21.121	ng		100
51) 2,6-Dinitrotoluene	9.639	165	133566	19.707	ng		97
52) Acenaphthene	9.892	154	704299	21.265	ng		99
53) 3-Nitroaniline	9.804	138	149270	19.906	ng	#	98
54) 2,4-Dinitrophenol	9.910	184	30382	19.424	ng	#	47
55) Dibenzofuran	10.063	168	999002	21.463	ng		99
56) 4-Nitrophenol	9.951	139	122269	18.962	ng		99
57) 2,4-Dinitrotoluene	10.039	165	151712	19.116	ng		97
58) Fluorene	10.410	166	774090	21.447	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.180	232	187475	21.084	ng		99
60) Diethylphthalate	10.280	149	784780	21.089	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	374361	21.556	ng		97
62) 4-Nitroaniline	10.416	138	147320	19.756	ng		97
63) Azobenzene	10.563	77	829641	21.240	ng		99
65) 4,6-Dinitro-2-methylph...	10.445	198	51061	19.580	ng		99
66) n-Nitrosodiphenylamine	10.516	169	673269	21.221	ng		100
67) 4-Bromophenyl-phenylether	10.892	248	230220	21.137	ng		99
68) Hexachlorobenzene	10.951	284	250540	20.861	ng		96
69) Atrazine	11.045	200	190058	21.443	ng		100
70) Pentachlorophenol	11.145	266	155053	20.736	ng		98
71) Phenanthrene	11.369	178	1137057	21.443	ng		99
72) Anthracene	11.422	178	1121403	21.582	ng		99
73) Carbazole	11.575	167	1083881	21.699	ng		99
74) Di-n-butylphthalate	11.910	149	1245979	21.931	ng		99
75) Fluoranthene	12.557	202	1251854	21.767	ng		98
77) Benzidine	12.680	184	330414	20.685	ng		99
78) Pyrene	12.786	202	1285846	19.452	ng		99
80) Butylbenzylphthalate	13.410	149	483615	20.036	ng		98
81) Benzo(a)anthracene	13.974	228	1086206	20.620	ng		100
82) 3,3'-Dichlorobenzidine	13.939	252	343789	21.722	ng		99
83) Chrysene	14.010	228	1002629	21.114	ng		100
84) Bis(2-ethylhexyl)phtha...	13.974	149	649103	20.731	ng		99
85) Di-n-octyl phthalate	14.592	149	946713	20.891	ng		100
87) Indeno(1,2,3-cd)pyrene	16.886	276	755113	19.433	ng		99
88) Benzo(b)fluoranthene	15.021	252	912288	21.208	ng		99
89) Benzo(k)fluoranthene	15.051	252	802261	23.796	ng		99
90) Benzo(a)pyrene	15.380	252	701080	20.998	ng		99
91) Dibenzo(a,h)anthracene	16.909	278	611811	19.424	ng		100
92) Benzo(g,h,i)perylene	17.321	276	630980	19.314	ng		99

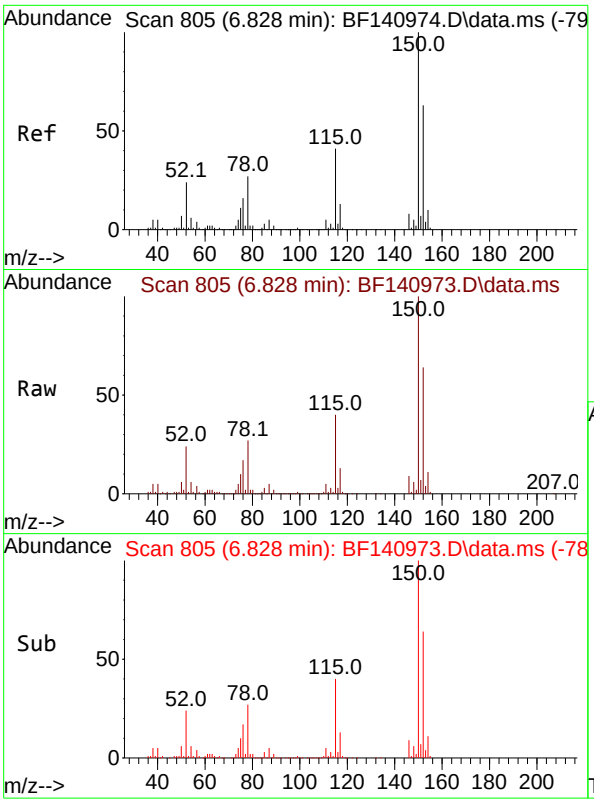
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140973.D
Acq On : 26 Dec 2024 17:41
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Dec 27 00:19:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration



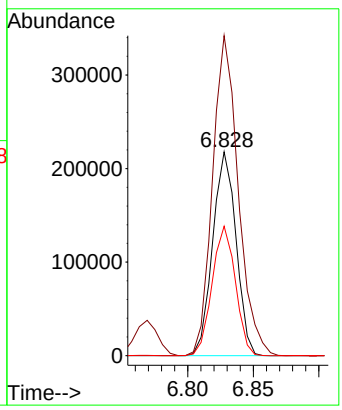


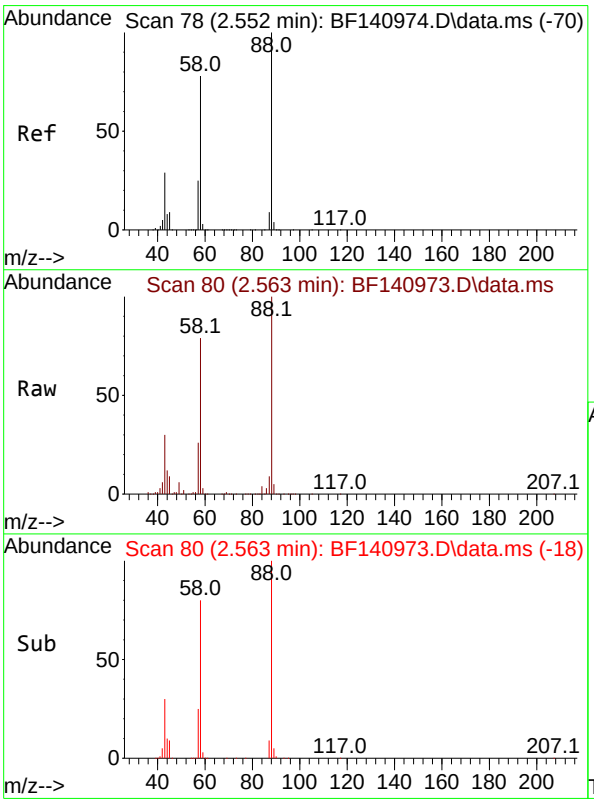
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 269565

Ion	Ratio	Lower	Upper
152	100		
150	157.0	127.0	190.6
115	63.5	51.7	77.5

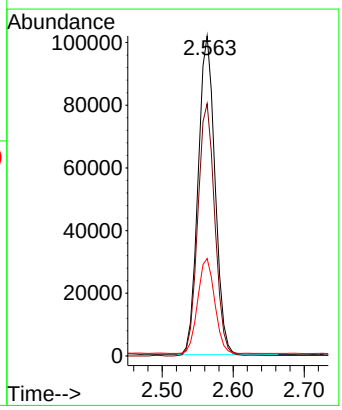


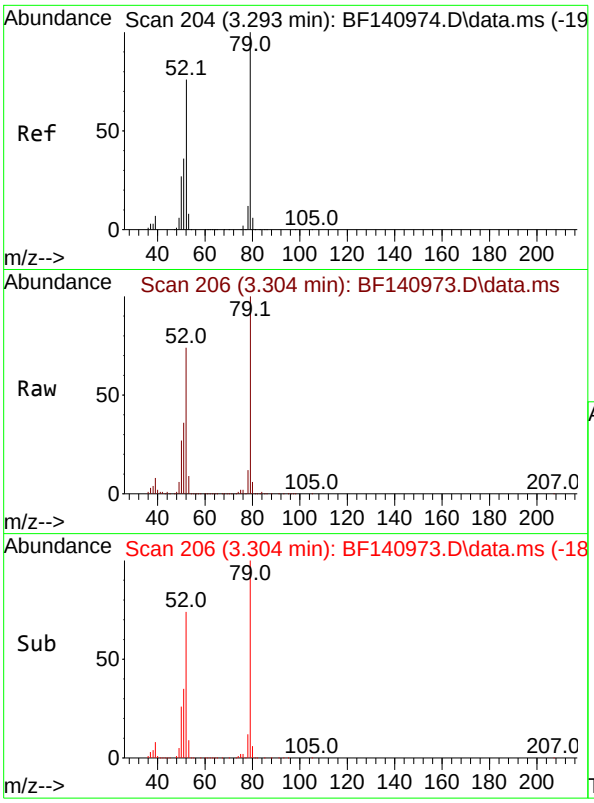


#2
1,4-Dioxane
Concen: 20.761 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 88 Resp: 168084

Ion	Ratio	Lower	Upper
88	100		
58	80.0	63.0	94.4
43	29.9	23.4	35.2



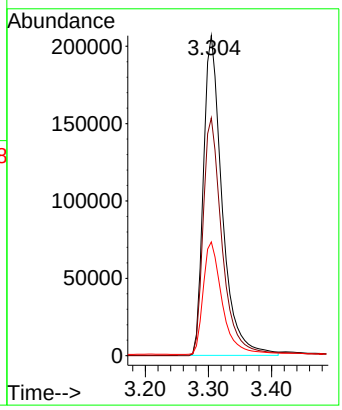


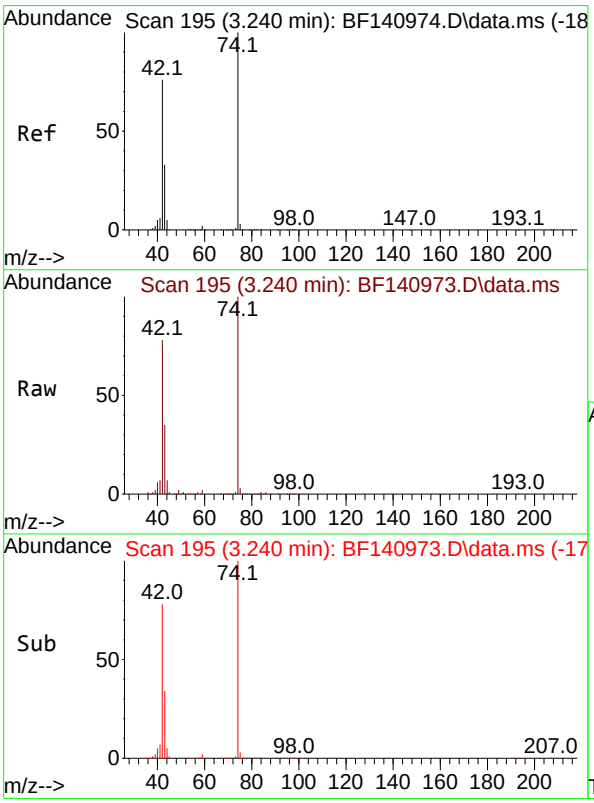
#3
Pyridine
Concen: 21.543 ng
RT: 3.304 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 426244

Ion	Ratio	Lower	Upper
79	100		
52	74.3	60.4	90.6
51	35.5	28.8	43.2

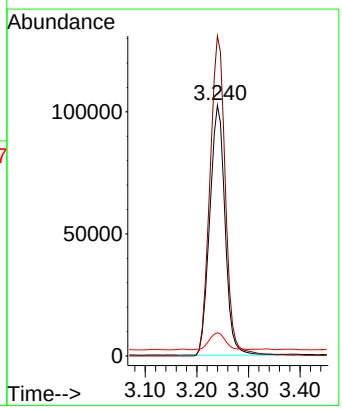


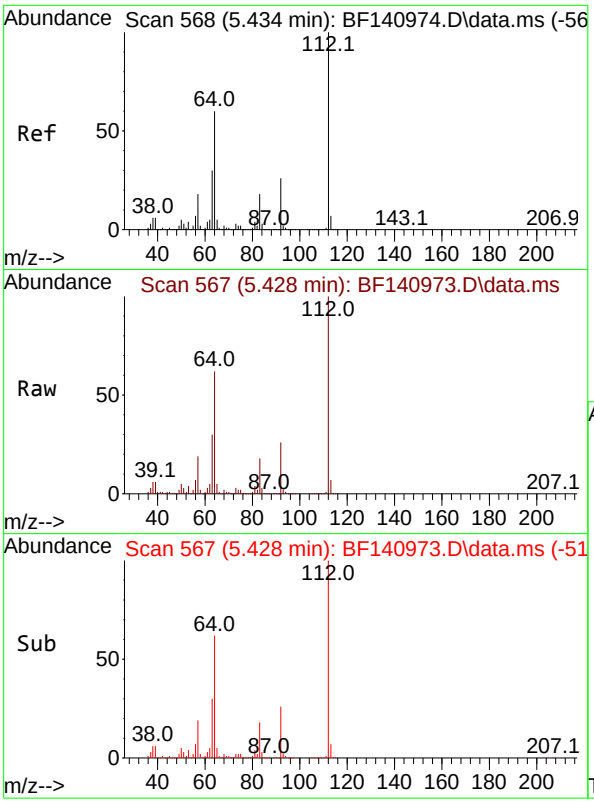


#4
n-Nitrosodimethylamine
Concen: 20.911 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 42 Resp: 209632

Ion	Ratio	Lower	Upper
42	100		
74	127.6	105.8	158.6
44	9.2	6.6	10.0



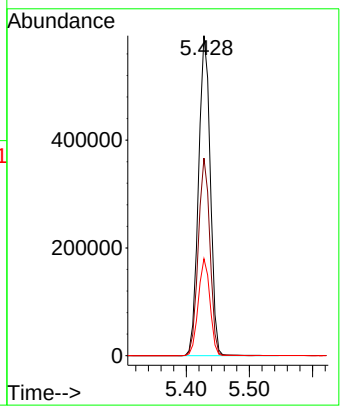


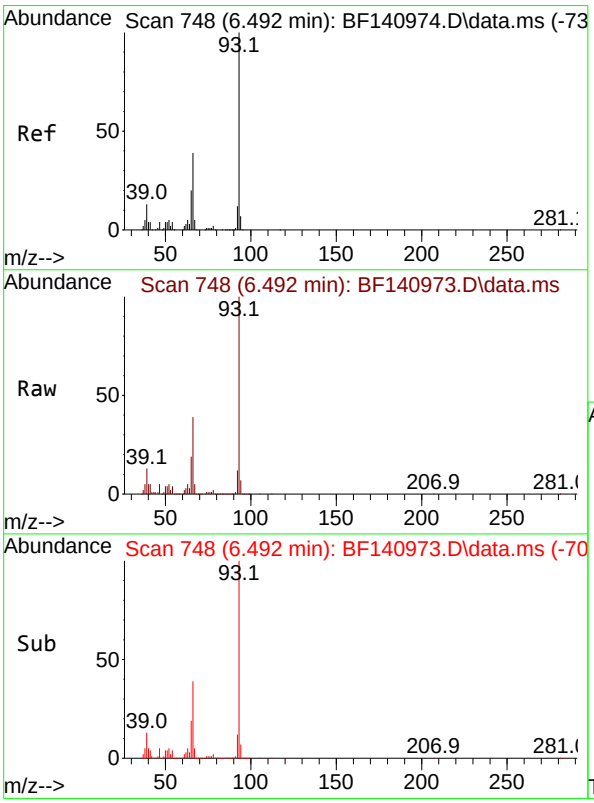
#5
2-Fluorophenol
Concen: 42.912 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 767394

Ion	Ratio	Lower	Upper
112	100		
64	61.8	47.7	71.5
63	30.3	24.2	36.2

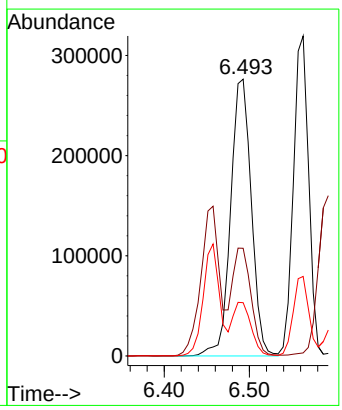


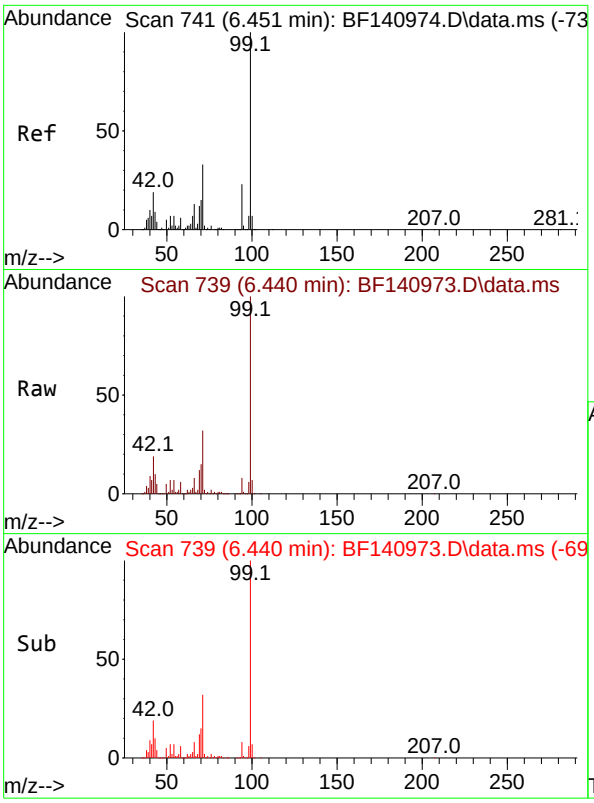


#6
Aniline
Concen: 22.727 ng
RT: 6.492 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 93 Resp: 466960

Ion	Ratio	Lower	Upper
93	100		
66	38.9	31.8	47.8
65	19.3	15.4	23.0



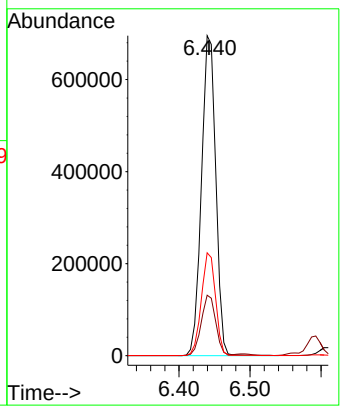


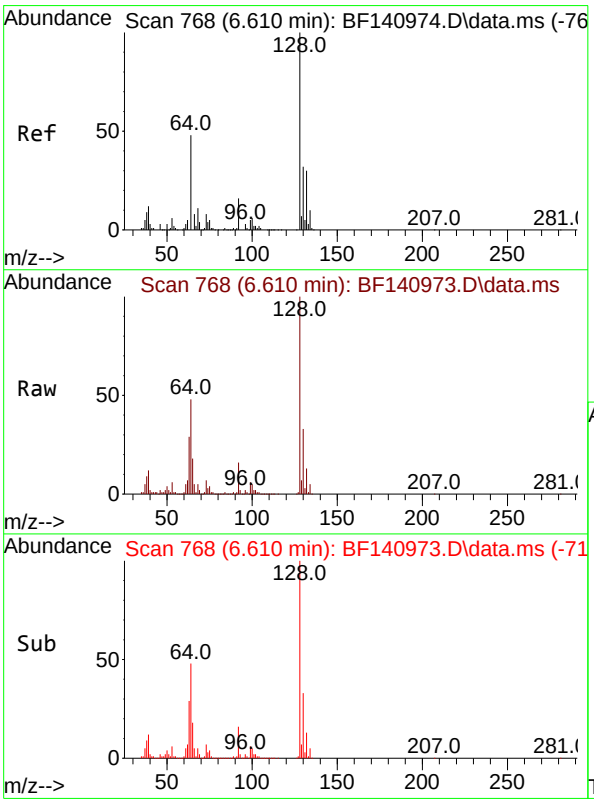
#7
Phenol-d6
Concen: 42.388 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 976492

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.0	22.4
71	32.2	26.2	39.2

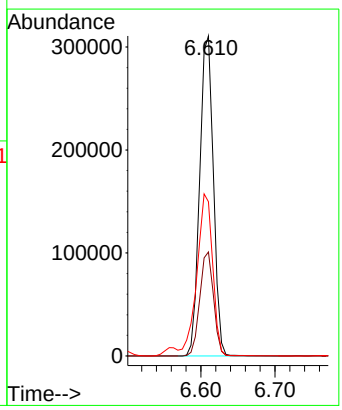


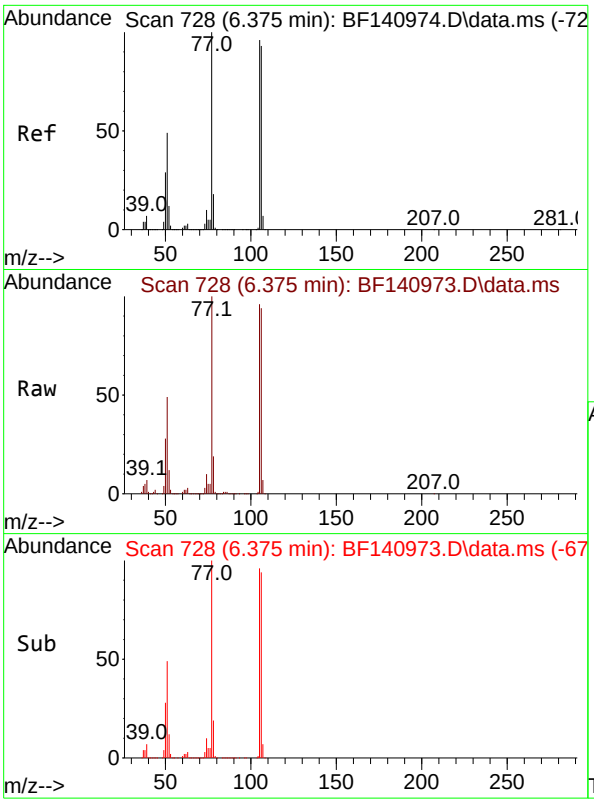


#8
2-Chlorophenol
Concen: 21.198 ng
RT: 6.610 min Scan# 768
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:128 Resp: 399668

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.2	52.2
64	48.2	30.3	70.3



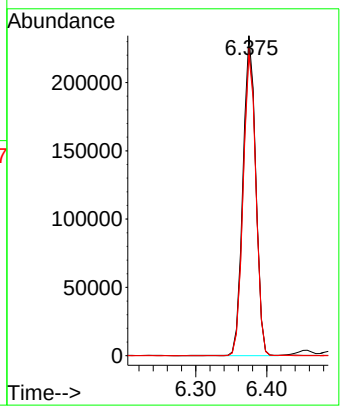


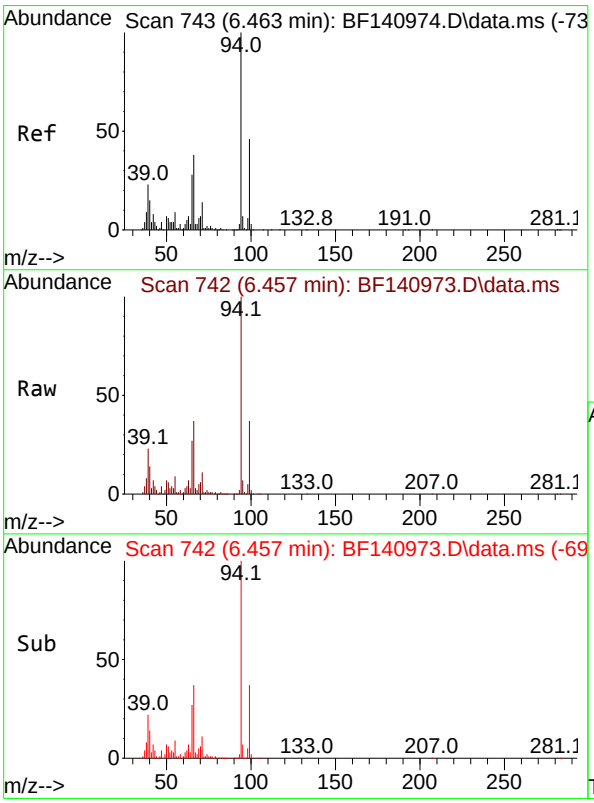
#9
Benzaldehyde
Concen: 22.432 ng
RT: 6.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 293566

Ion	Ratio	Lower	Upper
77	100		
105	96.1	76.2	116.2
106	94.0	73.4	113.4

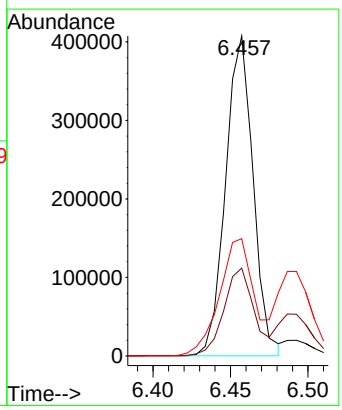


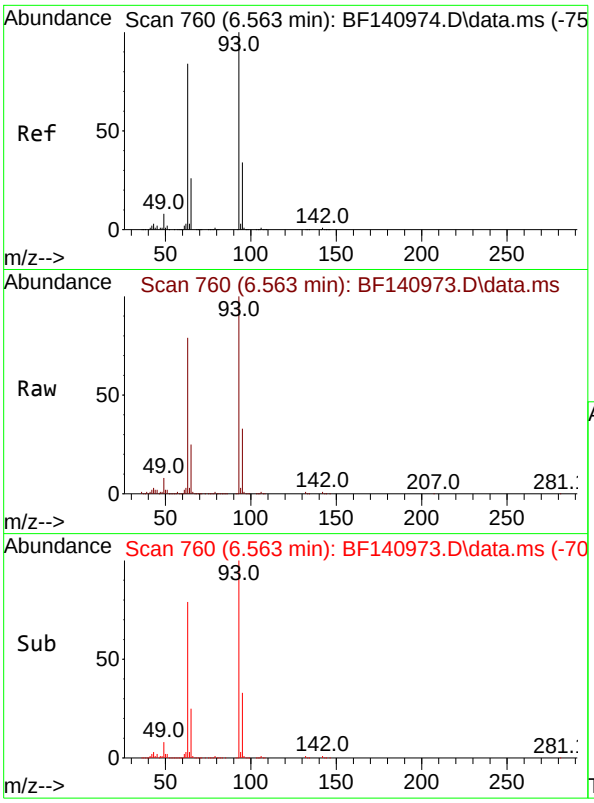


#10
Phenol
Concen: 21.114 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 94 Resp: 502959

Ion	Ratio	Lower	Upper
94	100		
65	27.4	8.1	48.1
66	36.7	18.7	58.7



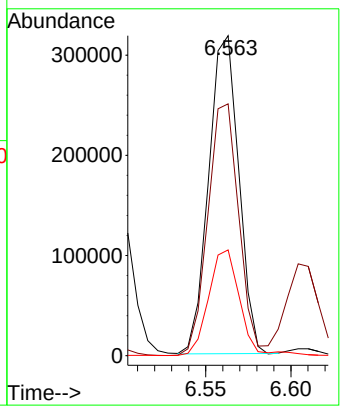


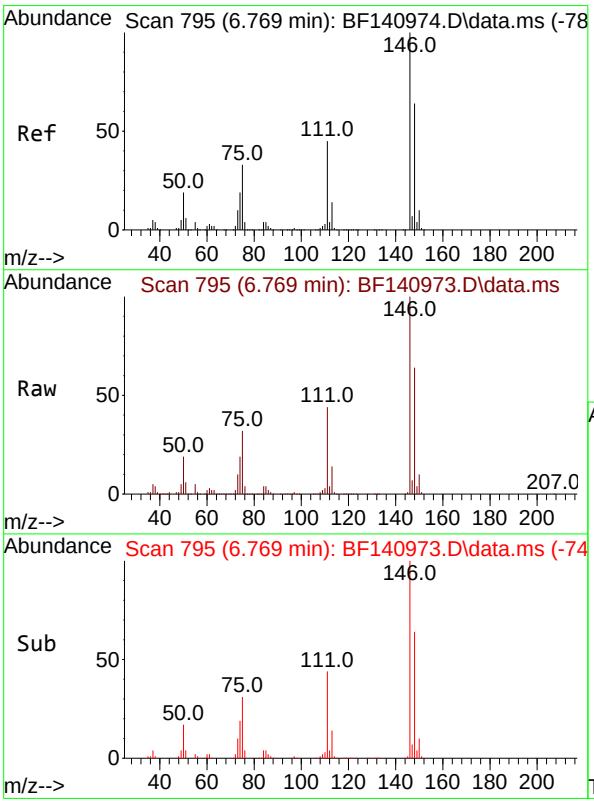
#11
bis(2-Chloroethyl)ether
Concen: 20.325 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 390561

Ion	Ratio	Lower	Upper
93	100		
63	78.7	60.3	100.3
95	33.1	12.2	52.2

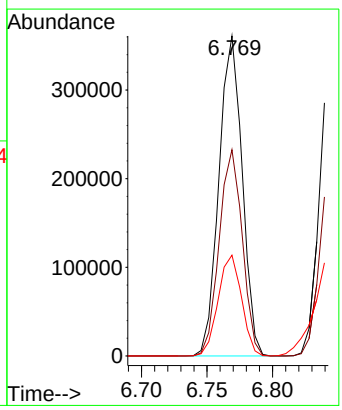


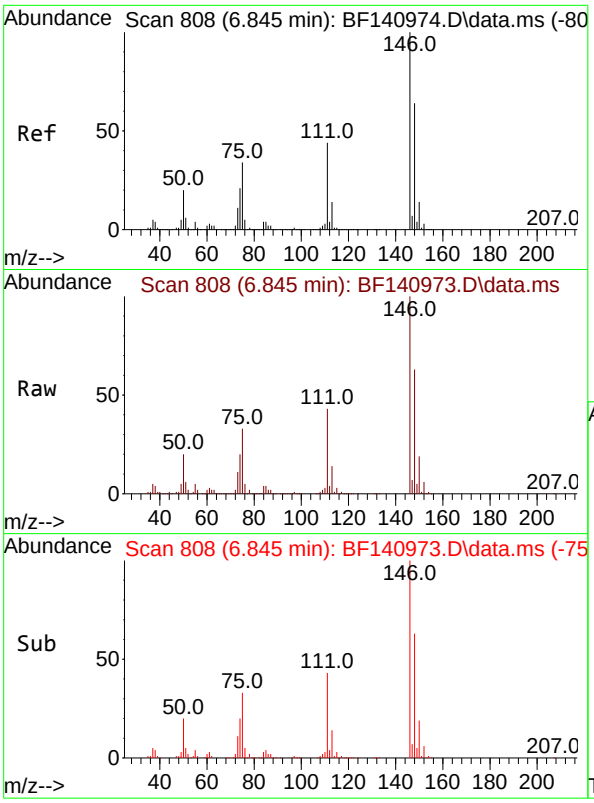


#12
1,3-Dichlorobenzene
Concen: 21.366 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:146 Resp: 444586

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
75	31.5	26.1	39.1



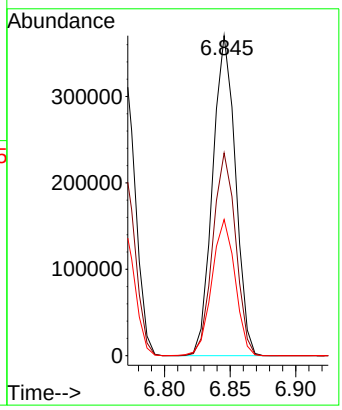


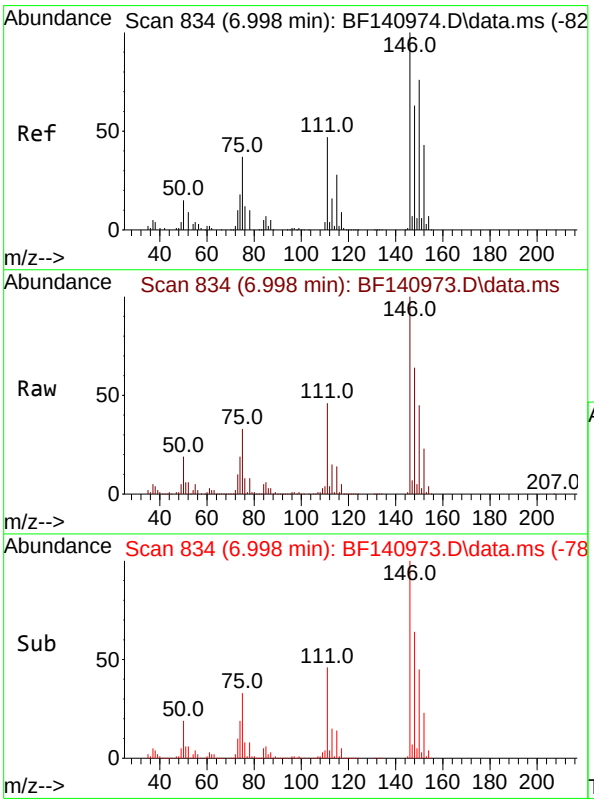
#13
1,4-Dichlorobenzene
Concen: 21.355 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 447949

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.3	76.9
111	42.6	35.3	52.9

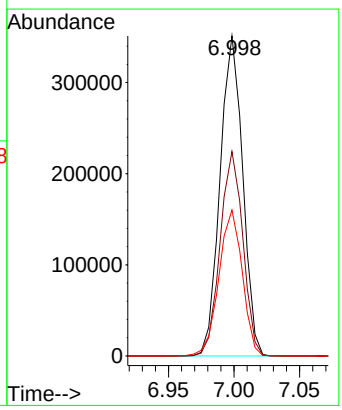


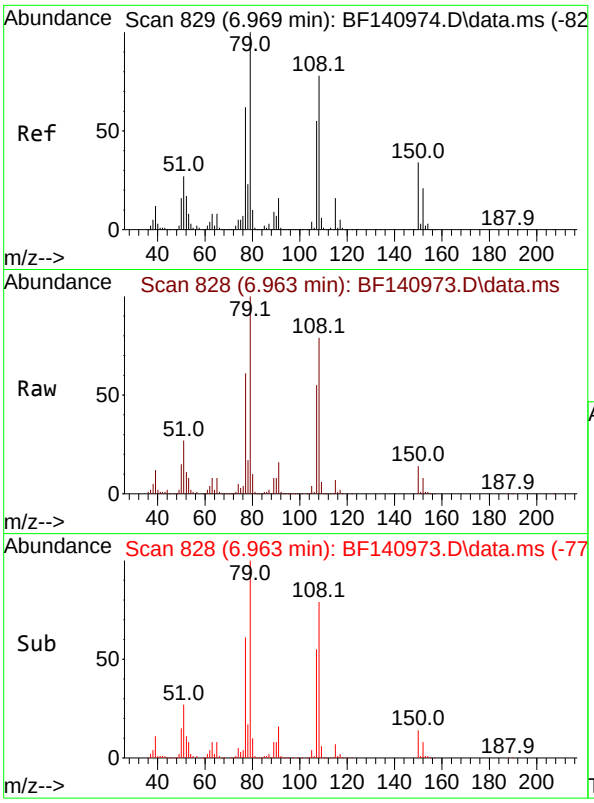


#14
1,2-Dichlorobenzene
Concen: 21.530 ng
RT: 6.998 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:146 Resp: 421063

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	76.0
111	45.6	37.3	55.9



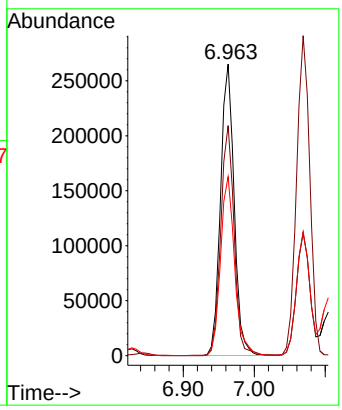


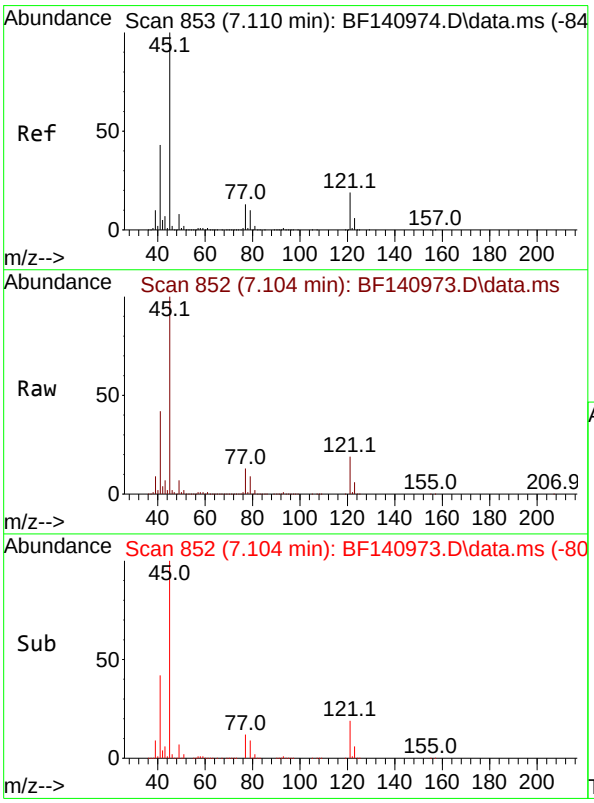
#15
Benzyl Alcohol
Concen: 21.140 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 349962

Ion	Ratio	Lower	Upper
79	100		
108	78.9	62.5	93.7
77	61.4	49.3	73.9

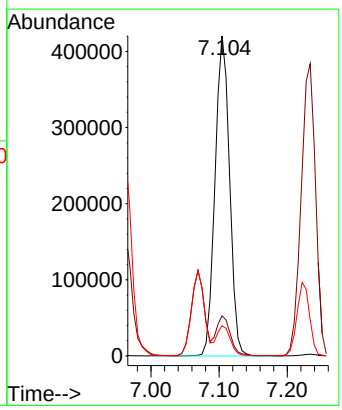


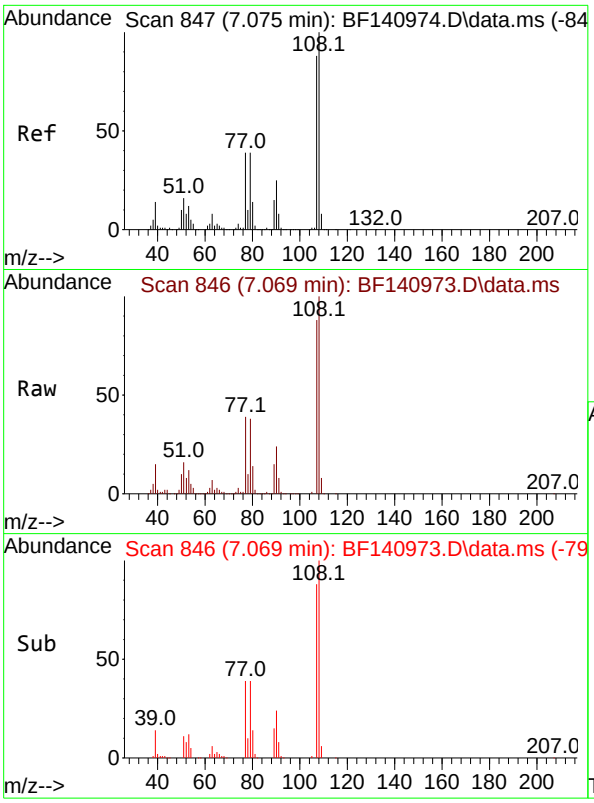


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.433 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 45 Resp: 623448

Ion	Ratio	Lower	Upper
45	100		
77	12.5	0.0	33.1
79	9.5	0.0	30.1



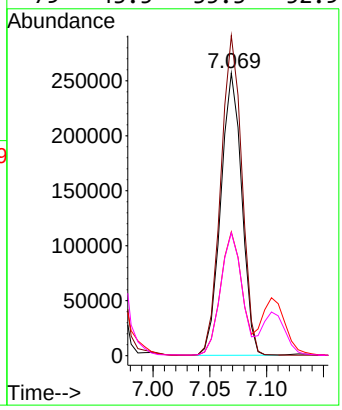


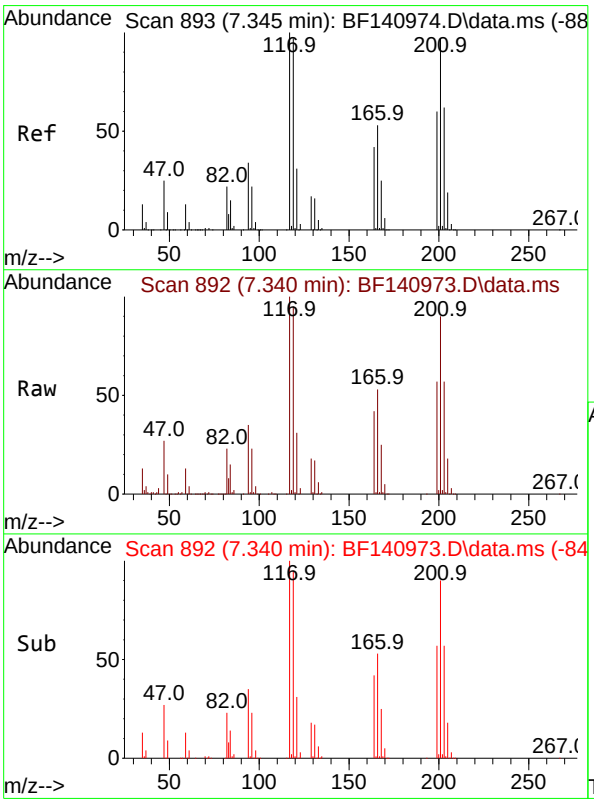
#17
2-Methylphenol
Concen: 21.106 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 330603

Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.6	136.0
77	43.8	35.3	52.9
79	43.5	35.3	52.9

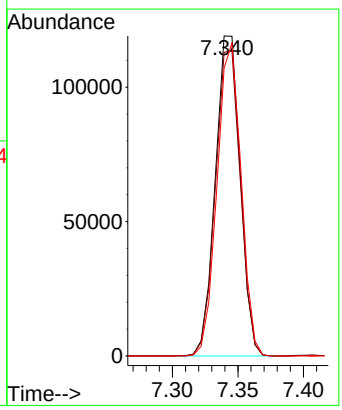


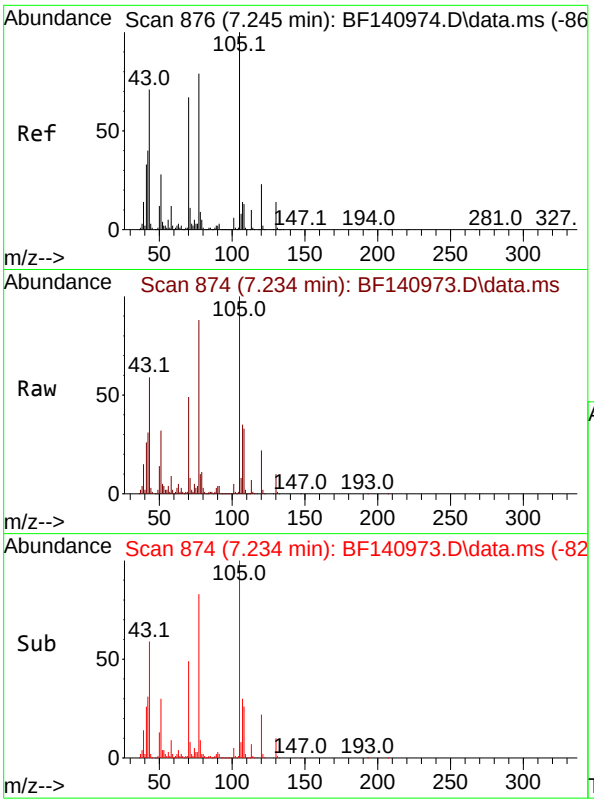


#18
Hexachloroethane
Concen: 21.113 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:117 Resp: 157325

Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.5	116.3
201	90.0	77.4	116.2



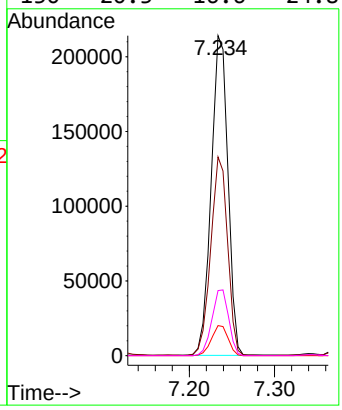


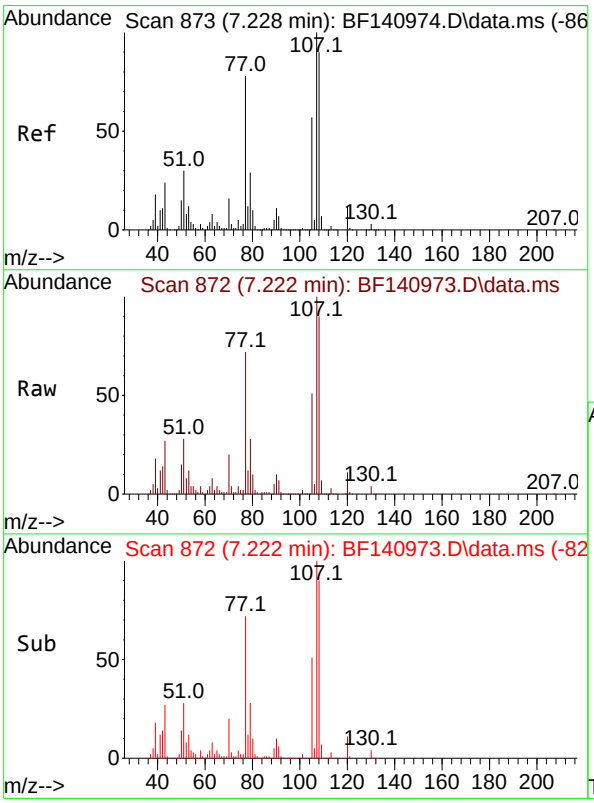
#19
n-Nitroso-di-n-propylamine
Concen: 20.617 ng
RT: 7.234 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 290977

Ion	Ratio	Lower	Upper
70	100		
42	62.1	48.1	72.1
101	9.4	7.6	11.4
130	20.3	16.6	24.8

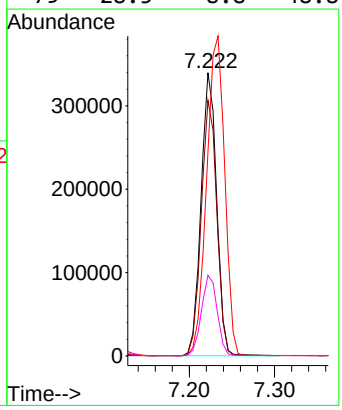


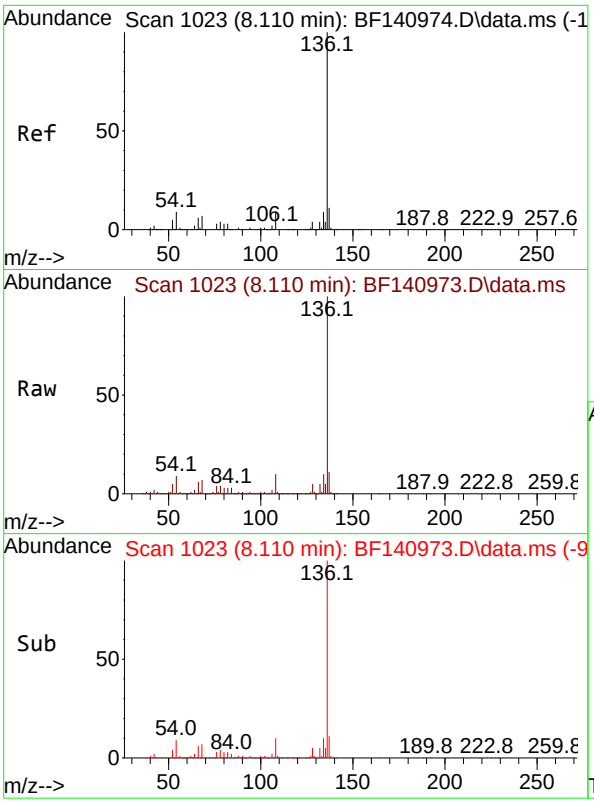


#20
3+4-Methylphenols
Concen: 21.737 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:107 Resp: 430865

Ion	Ratio	Lower	Upper
107	100		
108	90.3	69.6	109.6
77	72.0	57.6	97.6
79	28.5	8.8	48.8



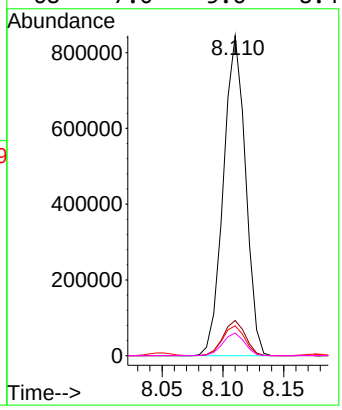


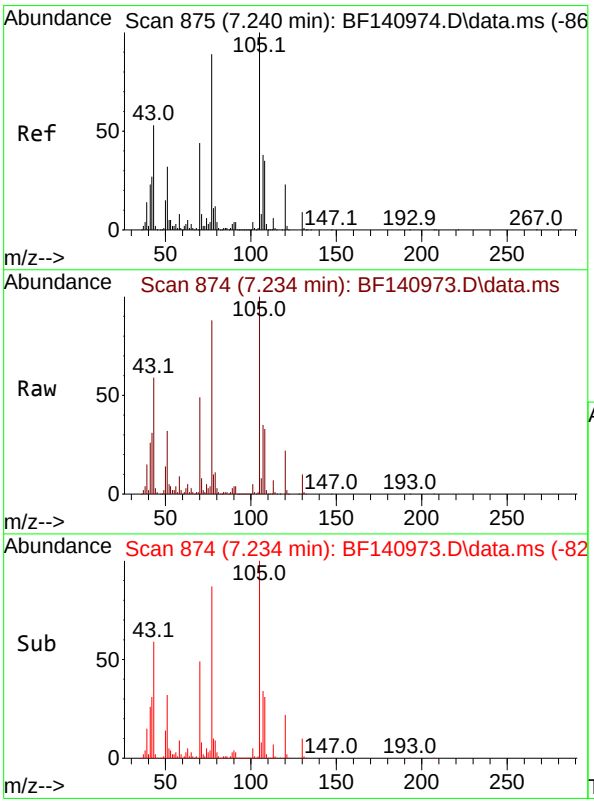
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1065985

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.4	7.6	11.4
68	7.0	5.6	8.4

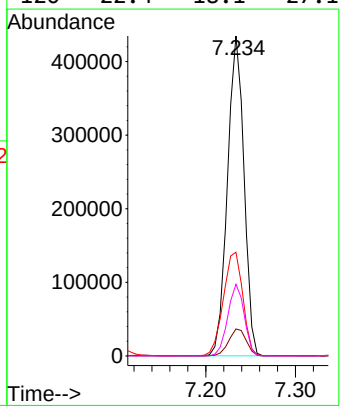


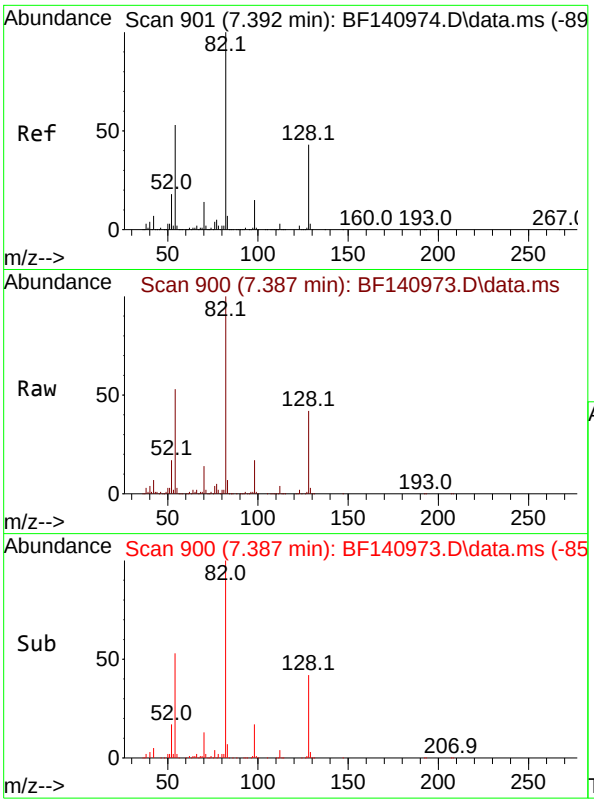


#22
Acetophenone
Concen: 21.244 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:105 Resp: 555544

Ion	Ratio	Lower	Upper
105	100		
71	8.5	6.1	9.1
51	32.4	25.8	38.6
120	22.4	18.1	27.1



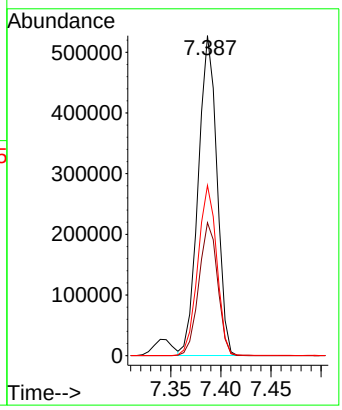


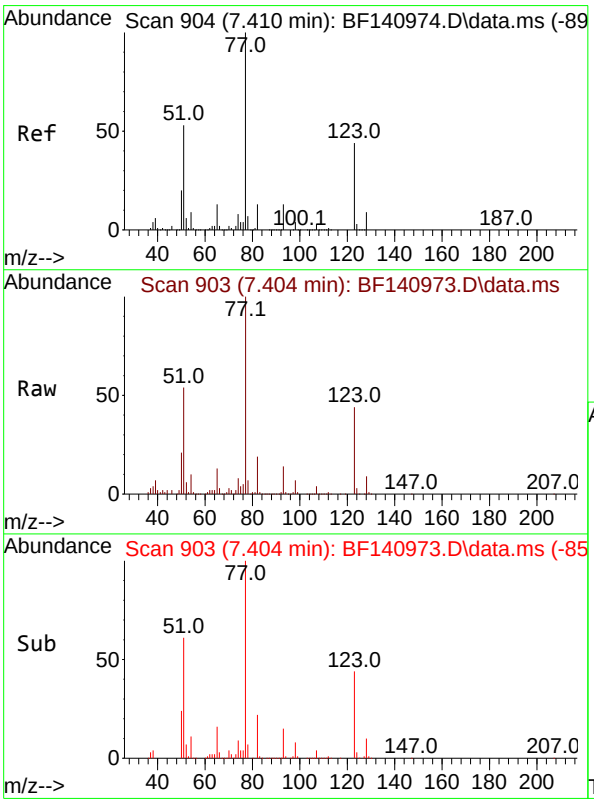
#23
Nitrobenzene-d5
Concen: 41.117 ng
RT: 7.387 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 685087

Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.4	51.6
54	53.2	42.4	63.6

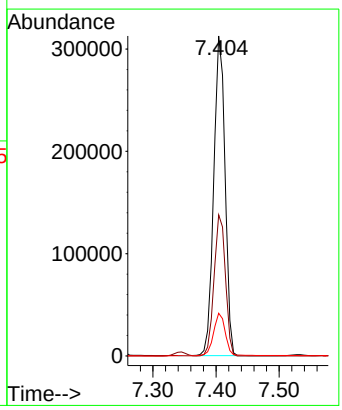


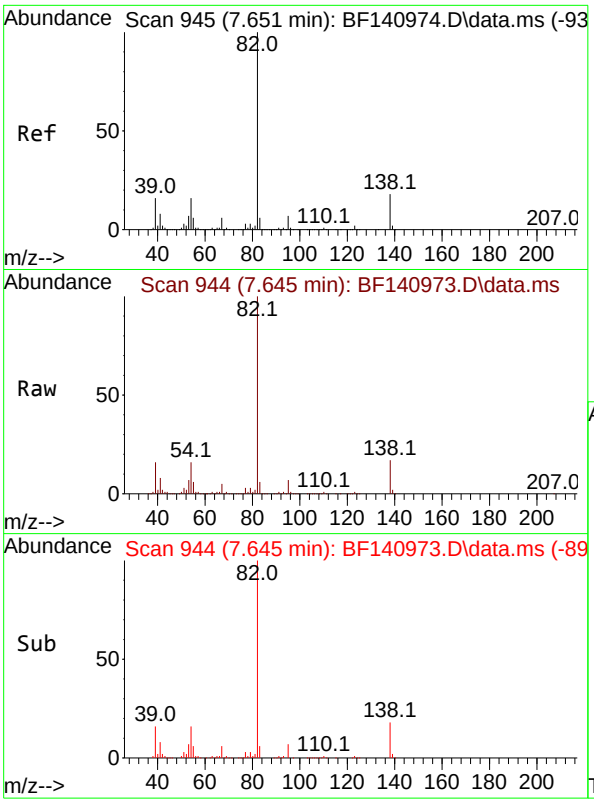


#24
Nitrobenzene
Concen: 20.868 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 77 Resp: 388514

Ion	Ratio	Lower	Upper
77	100		
123	44.1	35.4	53.2
65	13.3	10.7	16.1



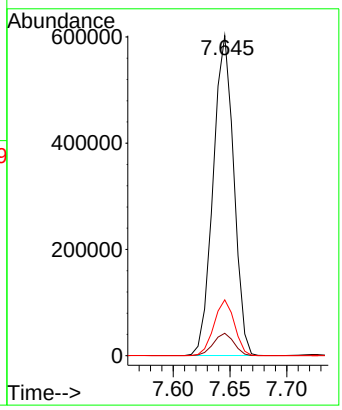


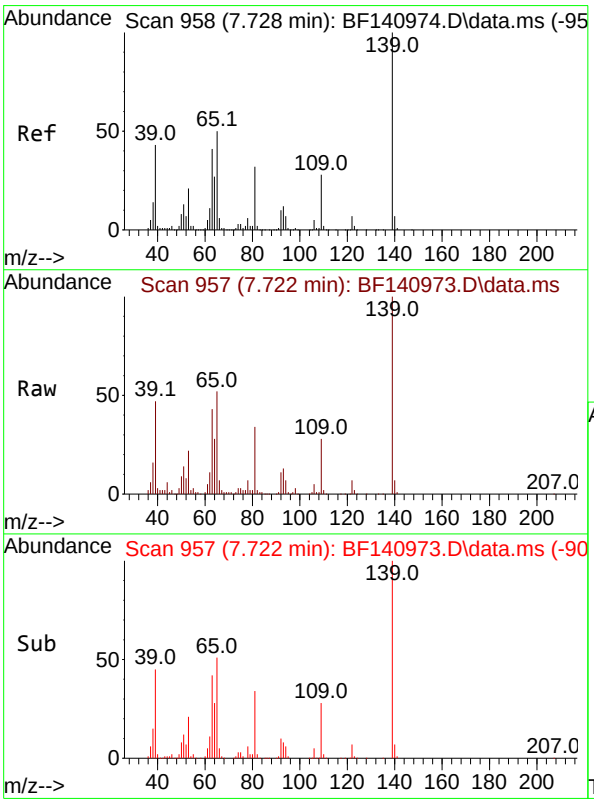
#25
Isophorone
Concen: 20.997 ng
RT: 7.645 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 761280

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.4	14.6	21.8

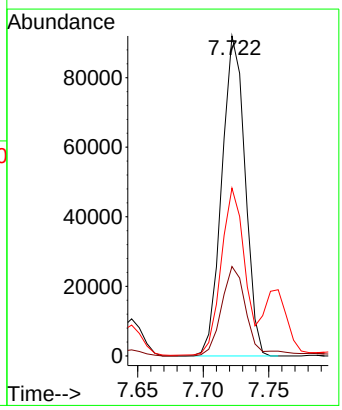


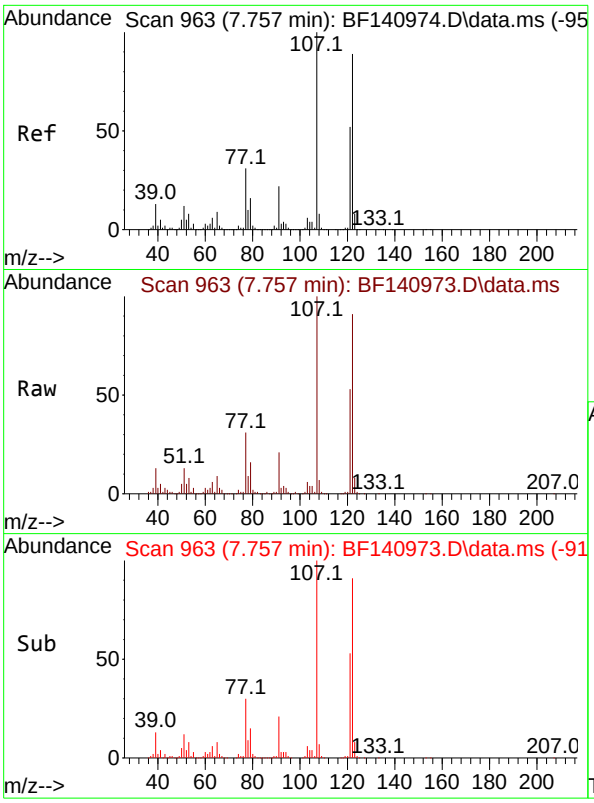


#26
2-Nitrophenol
Concen: 18.546 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:139 Resp: 113601

Ion	Ratio	Lower	Upper
139	100		
109	28.0	22.2	33.4
65	52.5	40.2	60.4



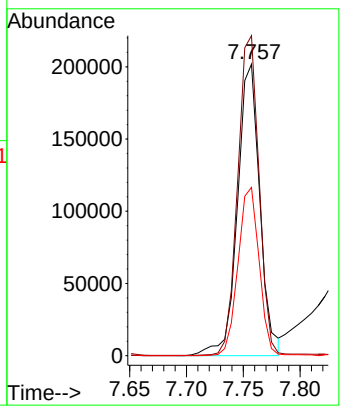


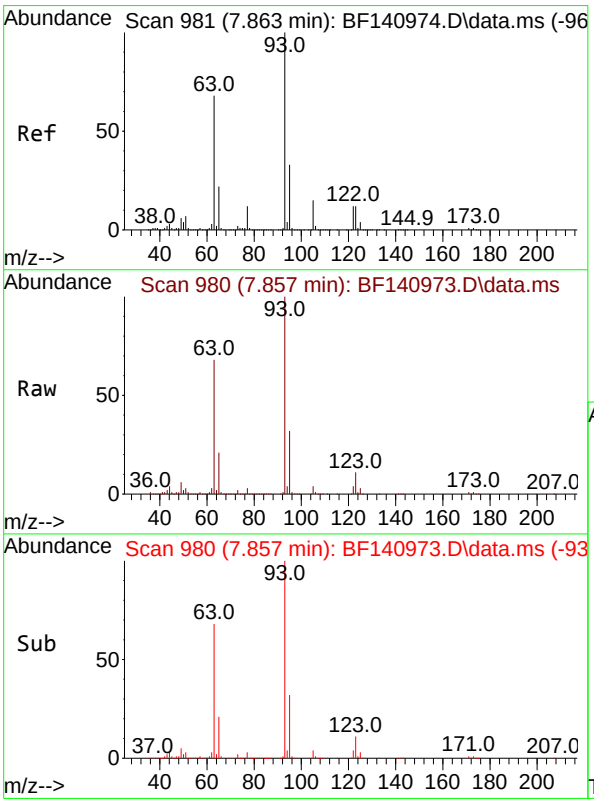
#27
2,4-Dimethylphenol
Concen: 20.884 ng
RT: 7.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 276735

Ion	Ratio	Lower	Upper
122	100		
107	109.8	89.4	134.2
121	57.7	46.7	70.1

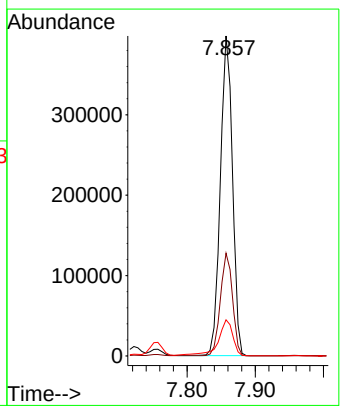


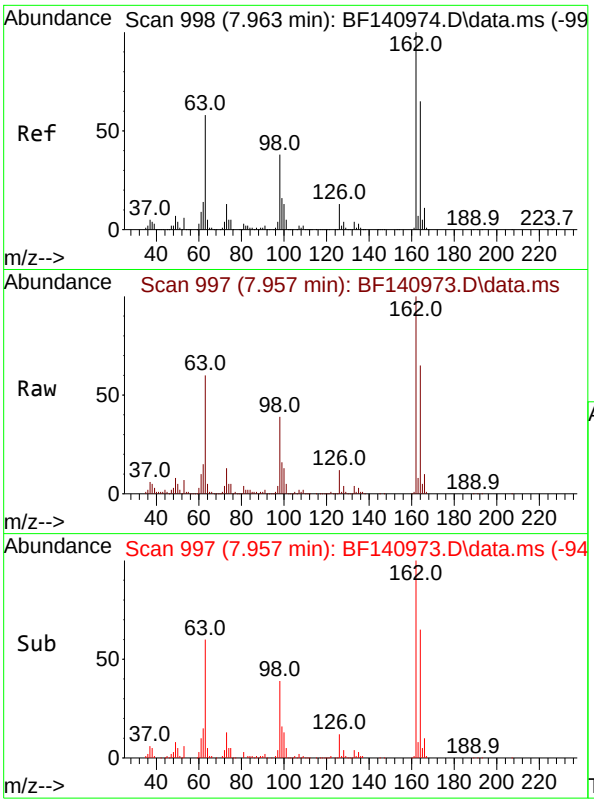


#28
bis(2-Chloroethoxy)methane
Concen: 21.434 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 93 Resp: 492370

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.2	39.4
123	11.3	9.9	14.9



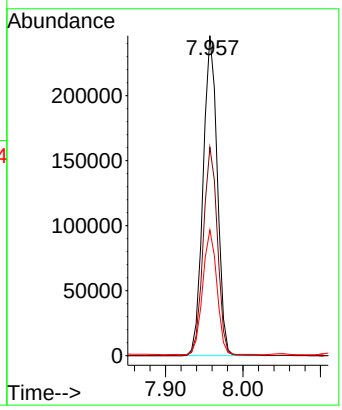


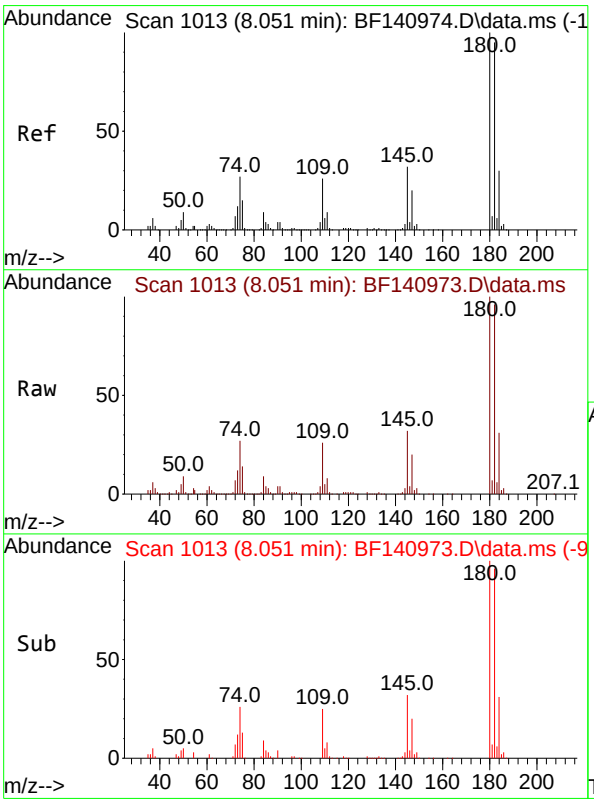
#29
2,4-Dichlorophenol
Concen: 20.906 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 314184

Ion	Ratio	Lower	Upper
162	100		
164	65.1	44.8	84.8
98	39.3	18.6	58.6

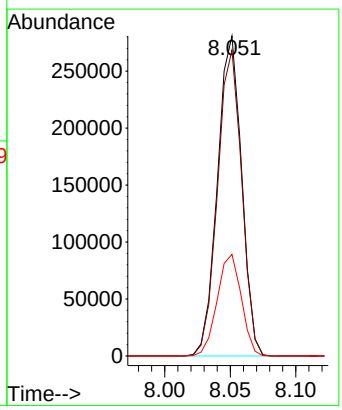


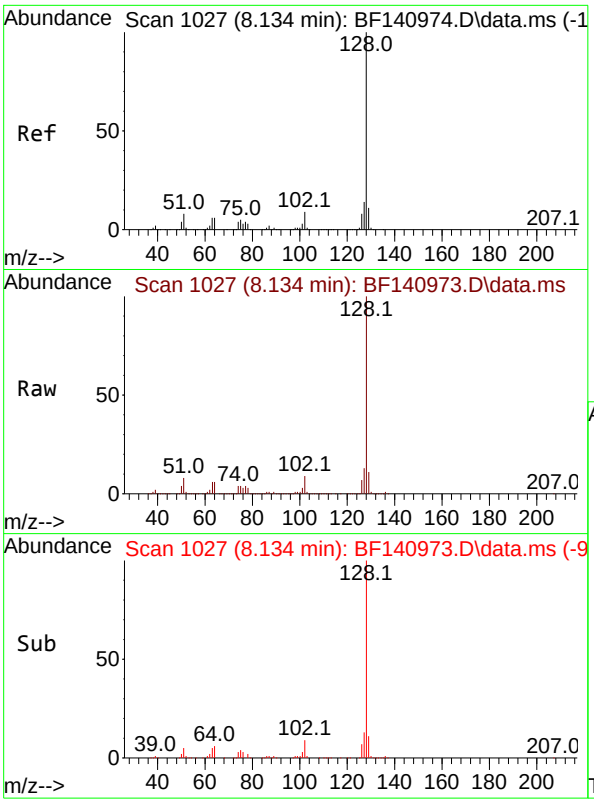


#30
1,2,4-Trichlorobenzene
Concen: 21.106 ng
RT: 8.051 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:180 Resp: 359008

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.4
145	31.8	25.4	38.2



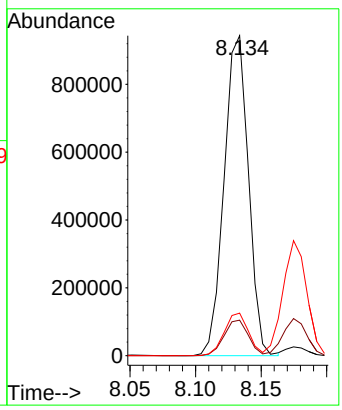


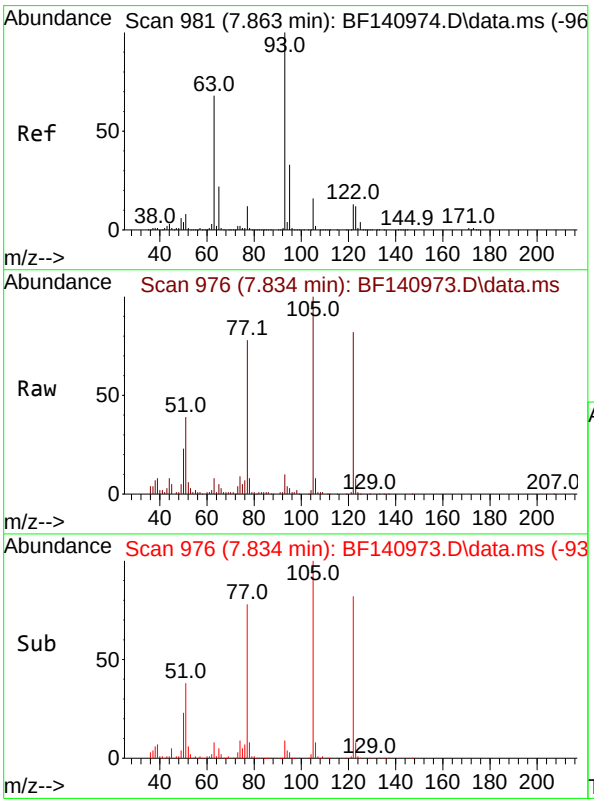
#31
Naphthalene
Concen: 21.677 ng
RT: 8.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1217616

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	13.3	11.0	16.4

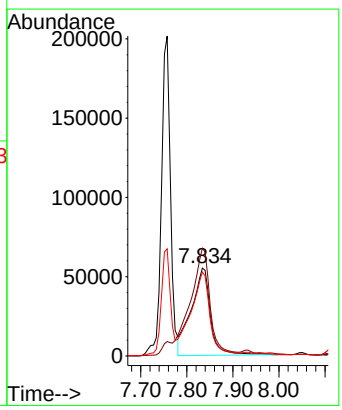


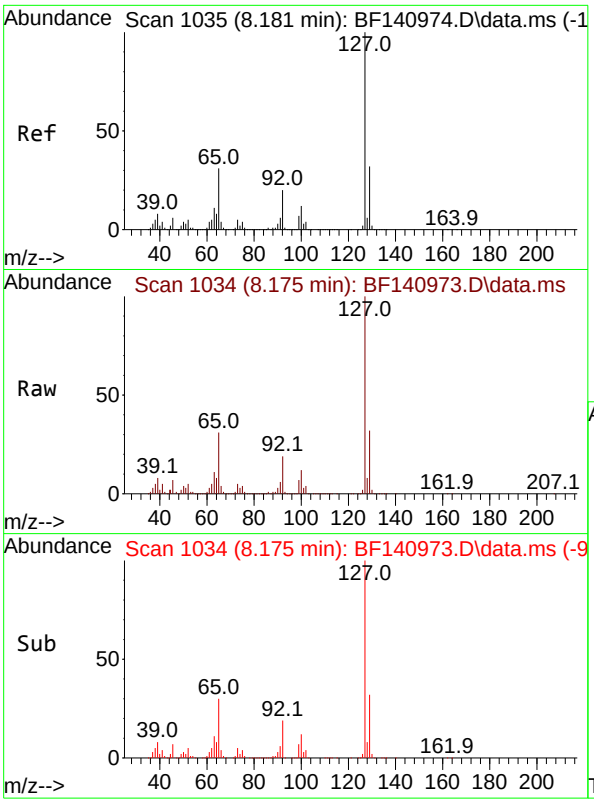


#32
Benzoic acid
Concen: 20.134 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.029 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:122 Resp: 161566

Ion	Ratio	Lower	Upper
122	100		
105	122.5	105.4	145.4
77	95.4	76.4	116.4



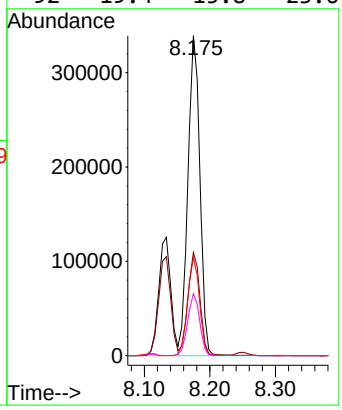


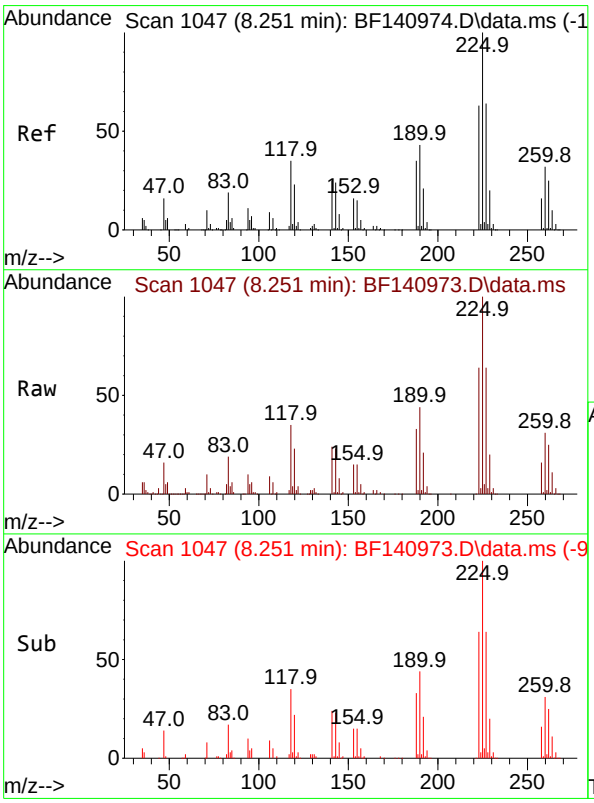
#33
4-Chloroaniline
Concen: 21.167 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 430141

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	30.7	24.6	37.0
92	19.4	15.8	23.6

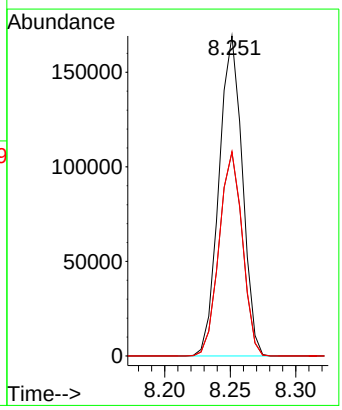


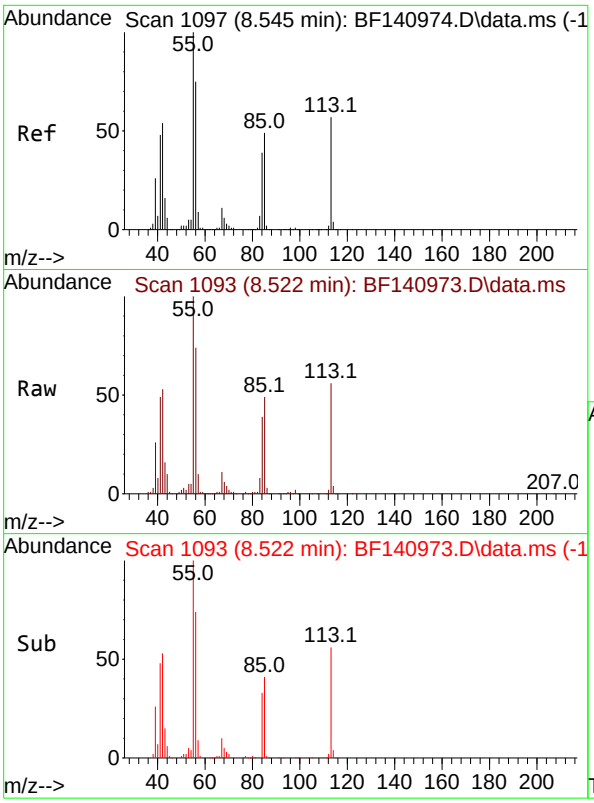


#34
Hexachlorobutadiene
Concen: 20.878 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:225 Resp: 209359

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.3	75.5
227	63.9	50.8	76.2



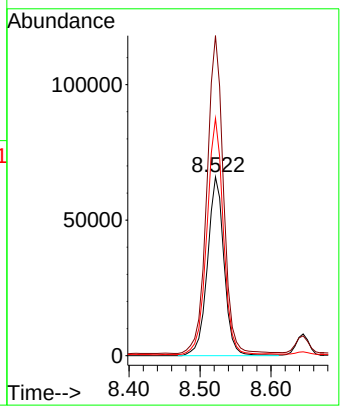


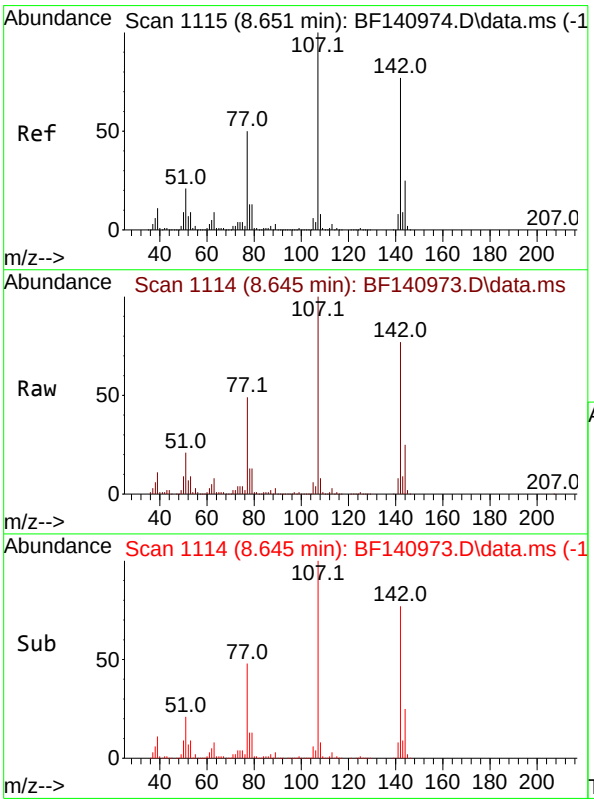
#35
Caprolactam
Concen: 20.875 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 106661

Ion	Ratio	Lower	Upper
113	100		
55	179.1	156.6	196.6
56	132.8	111.7	151.7

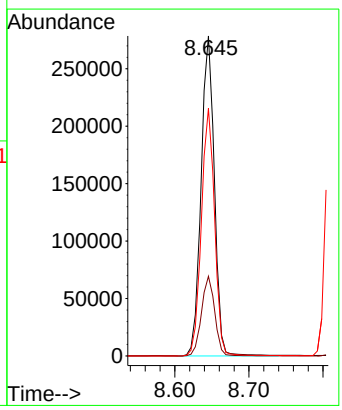


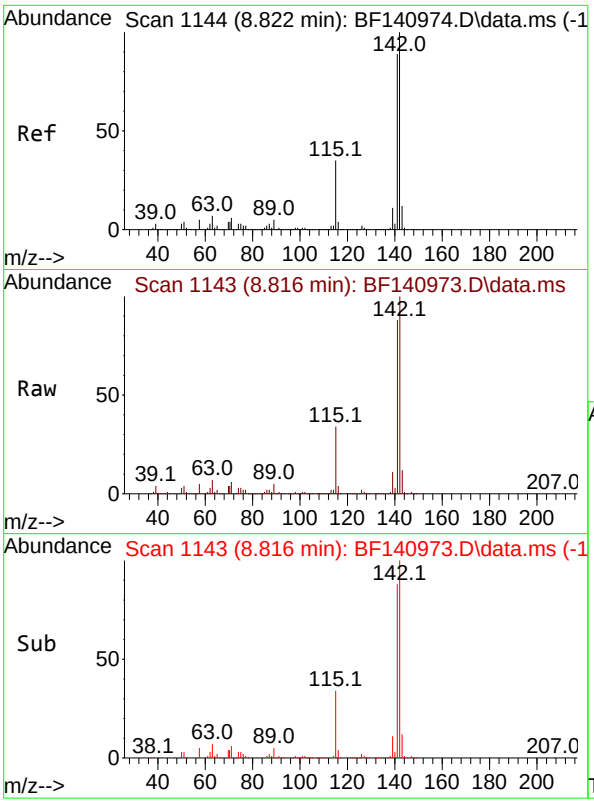


#36
4-Chloro-3-methylphenol
Concen: 20.870 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:107 Resp: 348318

Ion	Ratio	Lower	Upper
107	100		
144	24.9	19.9	29.9
142	77.4	61.8	92.8



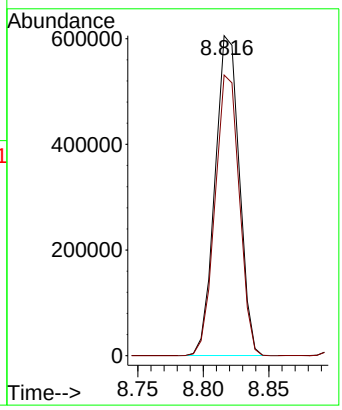


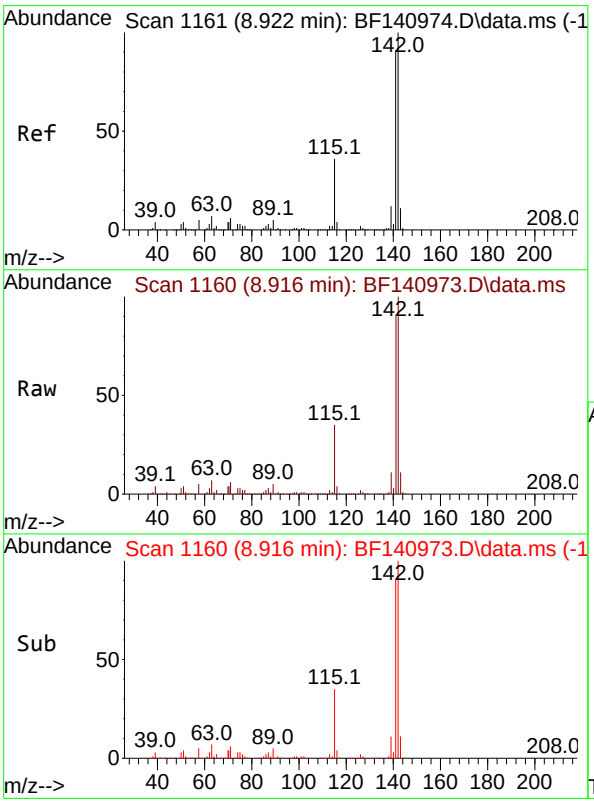
#37
2-Methylnaphthalene
Concen: 21.701 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 779831

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.1	106.7

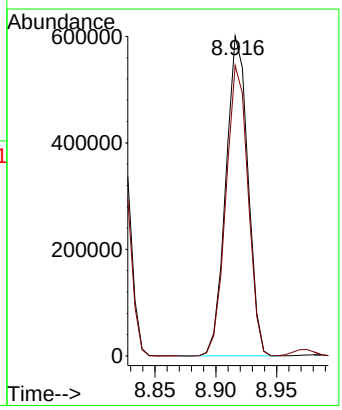


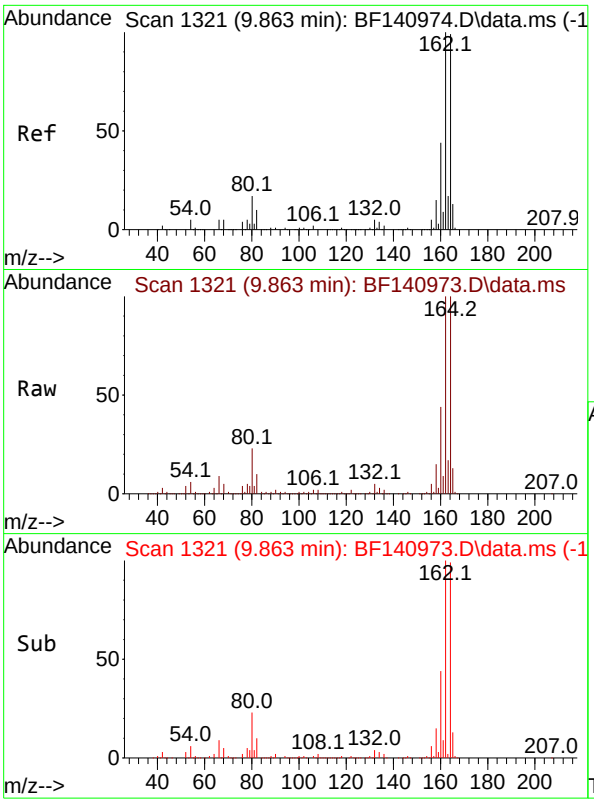


#38
1-Methylnaphthalene
Concen: 21.432 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:142 Resp: 756896

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.7	109.1



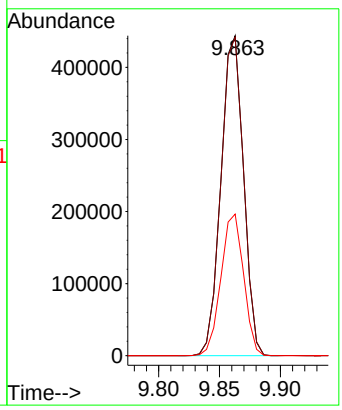


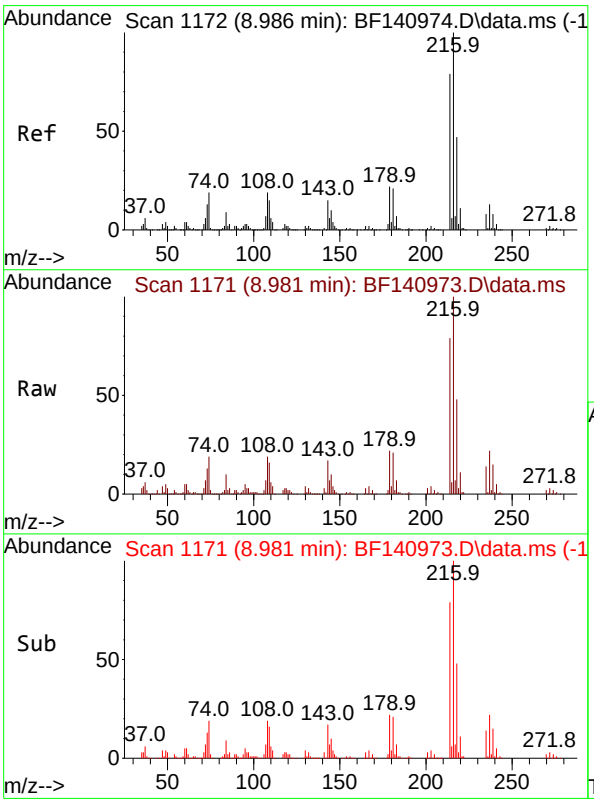
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 573072

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	44.2	35.7	53.5

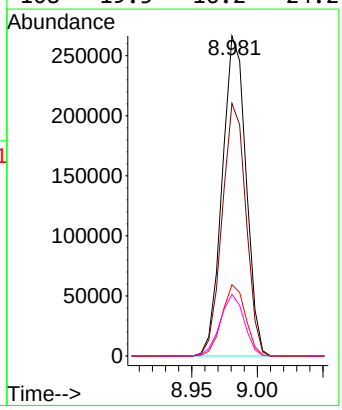


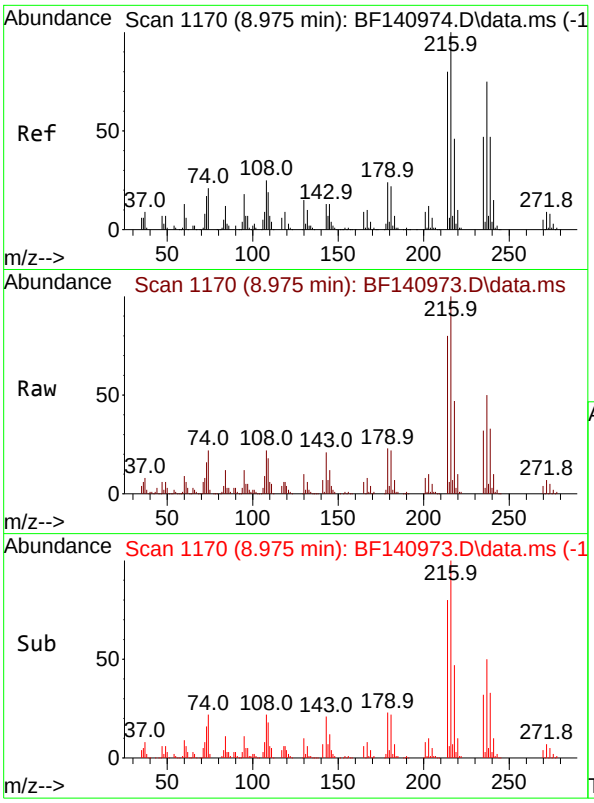


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.287 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:216 Resp: 335609

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.6
179	22.0	17.9	26.9
108	19.5	16.2	24.2



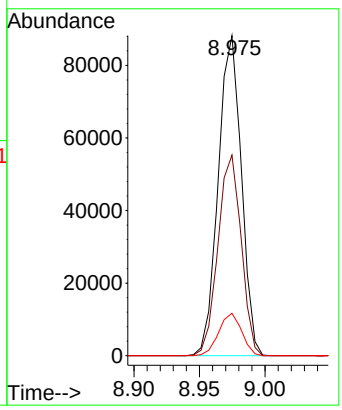


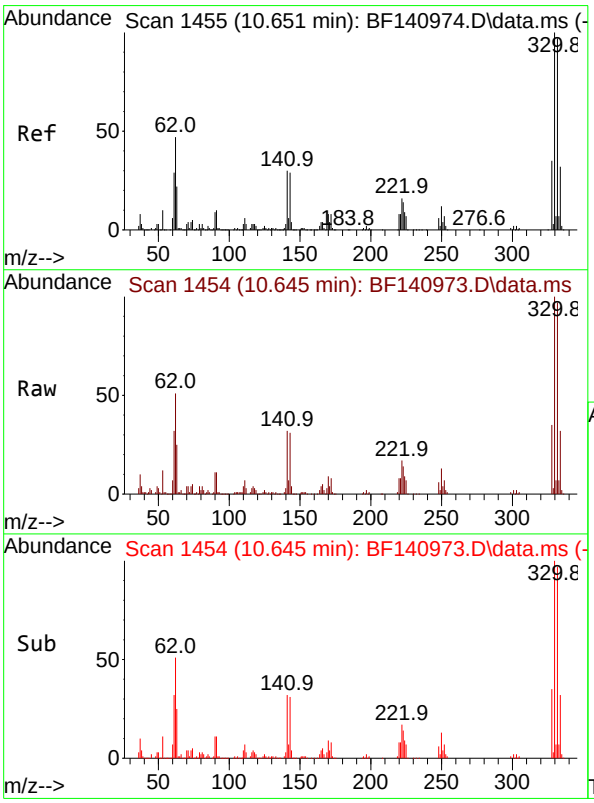
#41
Hexachlorocyclopentadiene
Concen: 20.700 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 108149

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.4	83.4
272	13.2	0.0	32.6

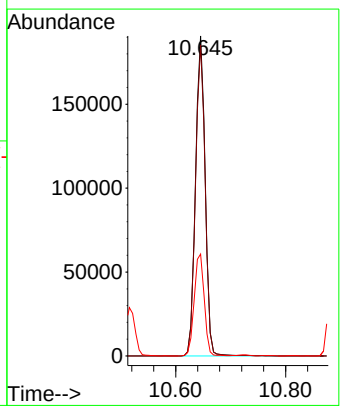


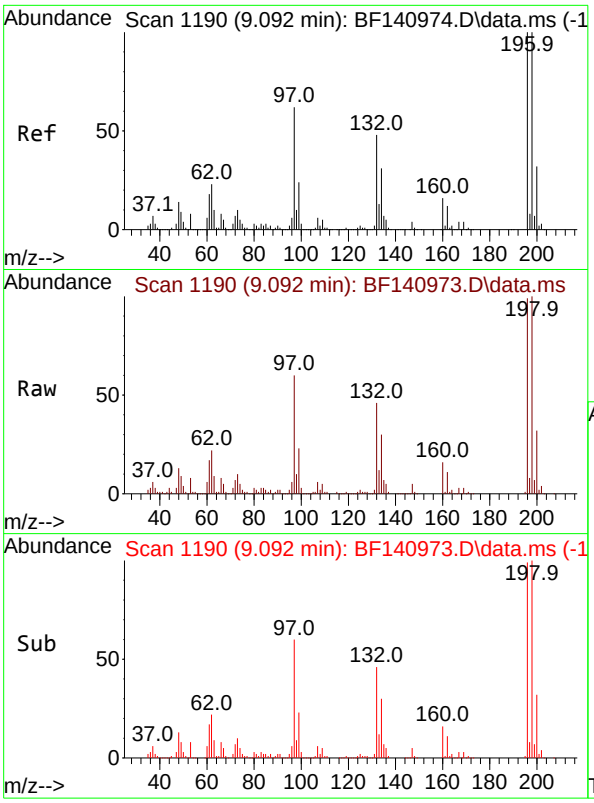


#42
2,4,6-Tribromophenol
Concen: 41.797 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:330 Resp: 232752

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.0	117.0
141	33.3	26.4	39.6



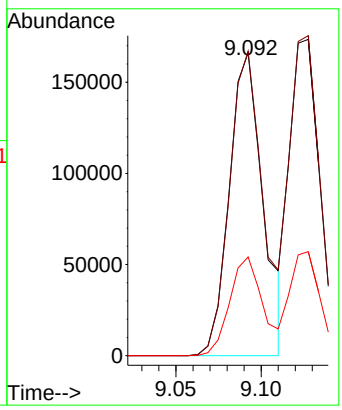


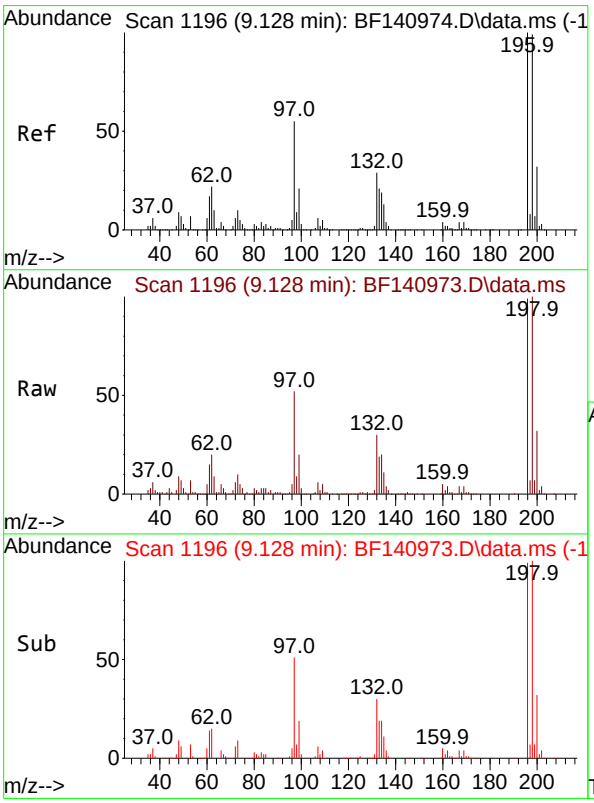
#43
2,4,6-Trichlorophenol
Concen: 21.723 ng
RT: 9.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 227943

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.2	120.4
200	32.6	25.8	38.6

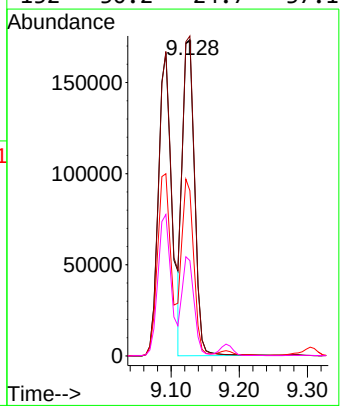


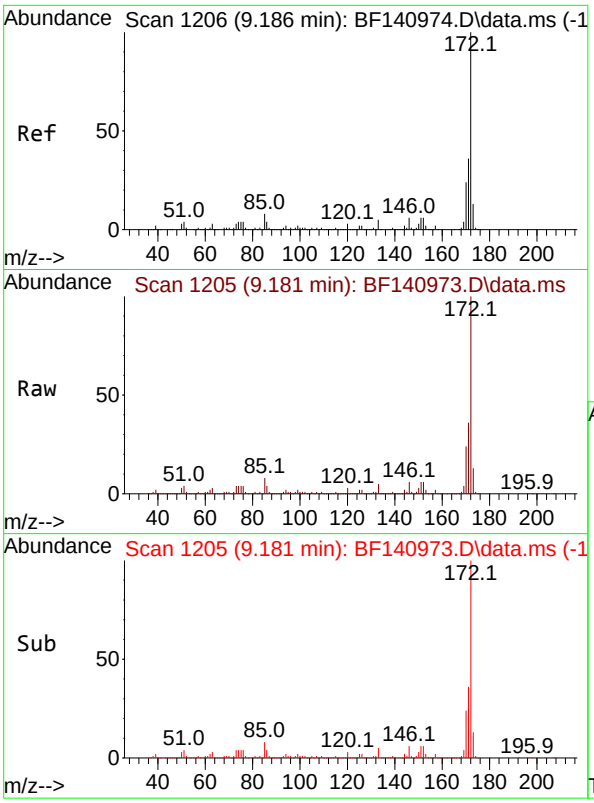


#44
2,4,5-Trichlorophenol
Concen: 20.108 ng
RT: 9.128 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:196 Resp: 215889

Ion	Ratio	Lower	Upper
196	100		
198	101.1	79.9	119.9
97	52.2	44.3	66.5
132	30.2	24.7	37.1



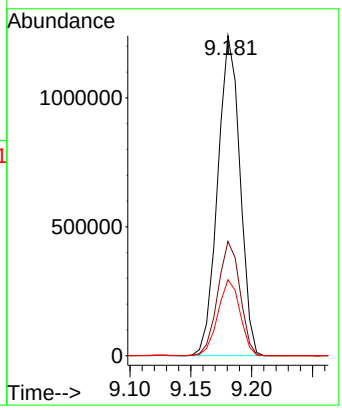


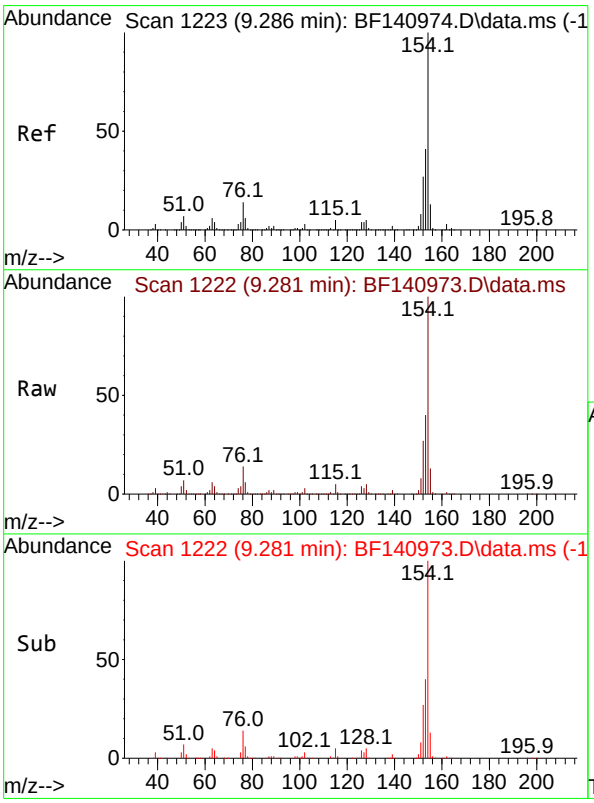
#45
2-Fluorobiphenyl
Concen: 43.899 ng
RT: 9.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1579020

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.4
170	23.7	19.6	29.4

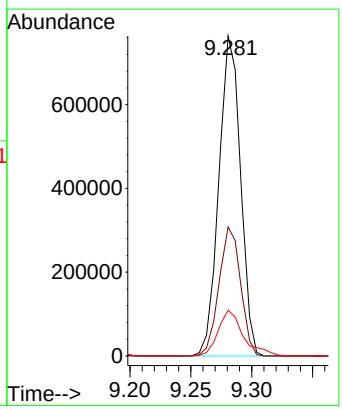


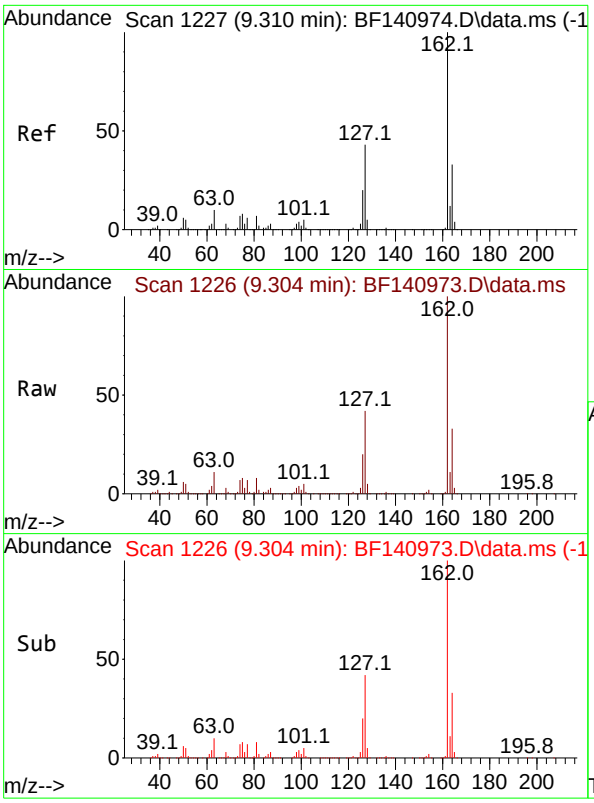


#46
1,1'-Biphenyl
Concen: 21.562 ng
RT: 9.281 min Scan# 1222
Delta R.T. -0.005 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:154 Resp: 946134

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.9	60.9
76	14.3	0.0	34.0



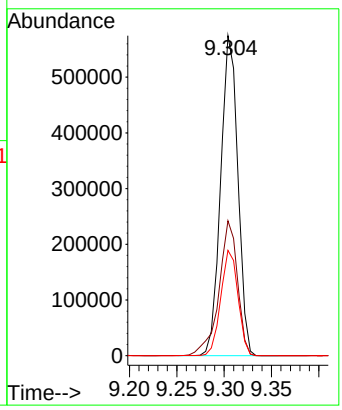


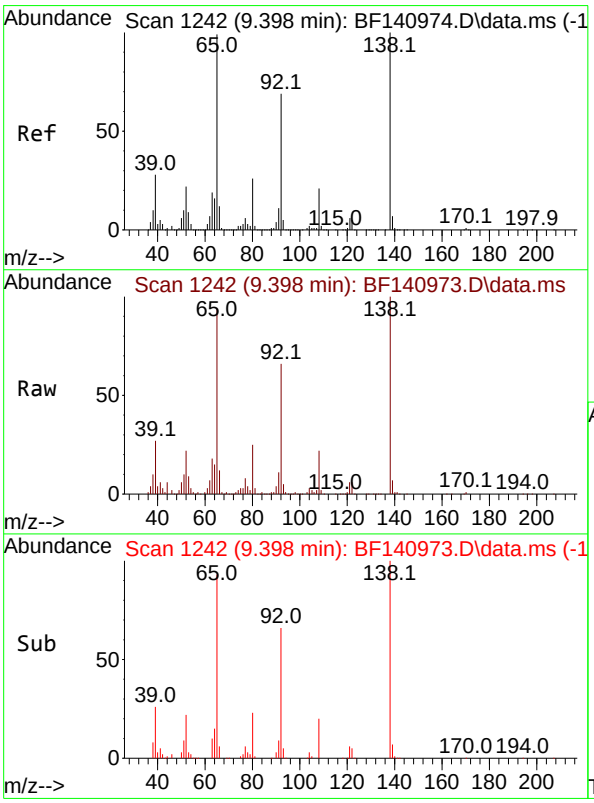
#47
2-Chloronaphthalene
Concen: 21.387 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 727825

Ion	Ratio	Lower	Upper
162	100		
127	42.2	34.2	51.4
164	32.9	26.6	40.0

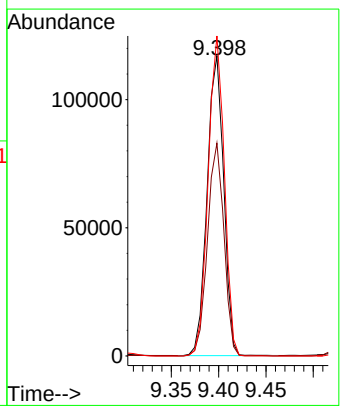


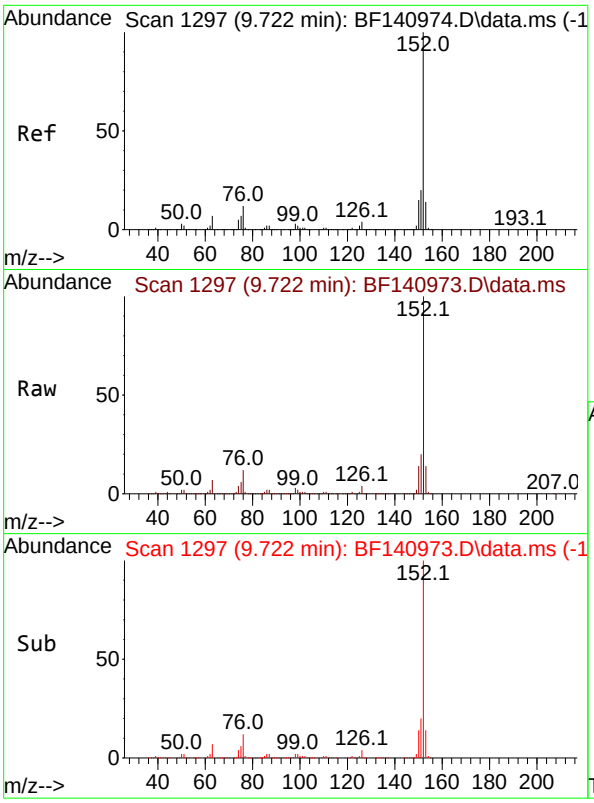


#48
2-Nitroaniline
Concen: 19.054 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 65 Resp: 142035

Ion	Ratio	Lower	Upper
65	100		
92	70.8	55.6	83.4
138	106.5	80.5	120.7



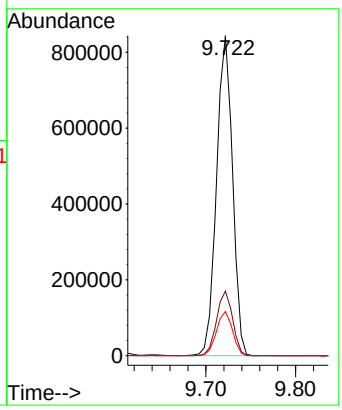


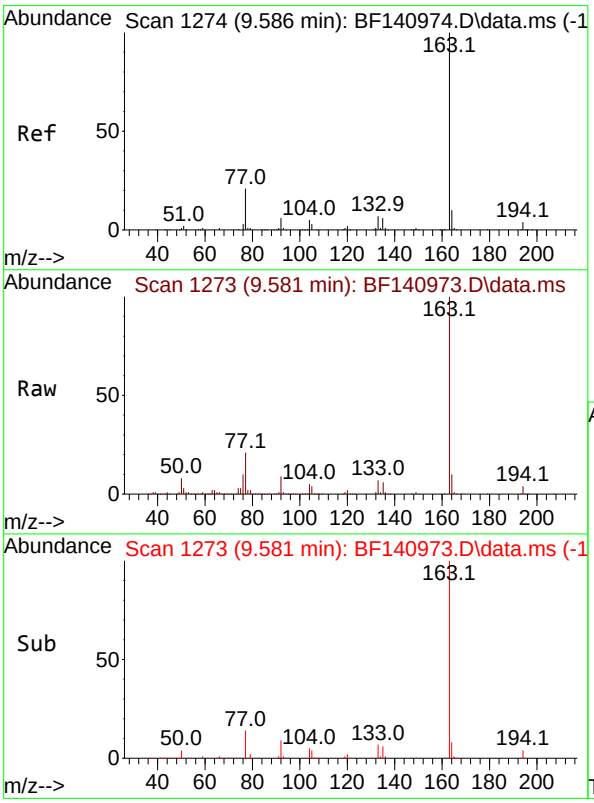
#49
Acenaphthylene
Concen: 21.333 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1045099

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4
153	13.8	11.4	17.0

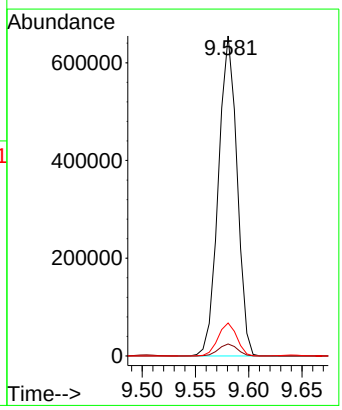


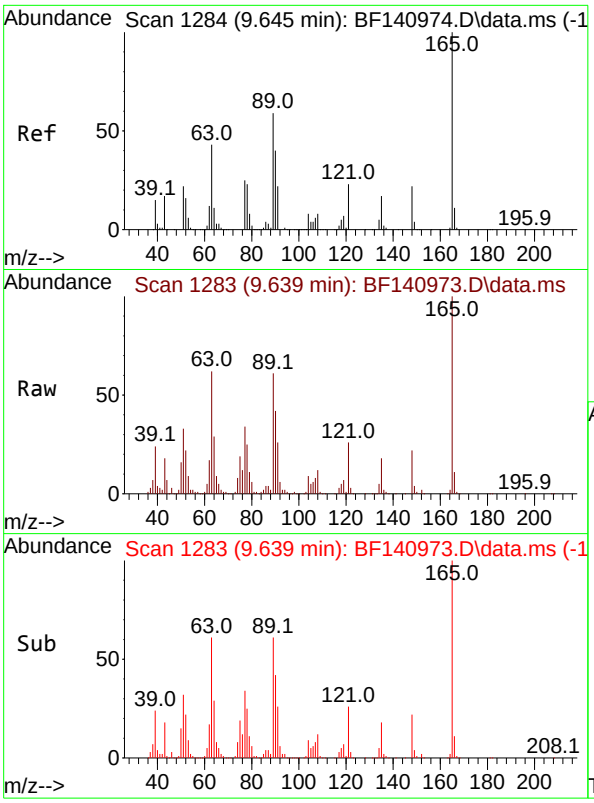


#50
Dimethylphthalate
Concen: 21.121 ng
RT: 9.581 min Scan# 1273
Delta R.T. -0.005 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:163 Resp: 796157

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.3	8.3	12.5



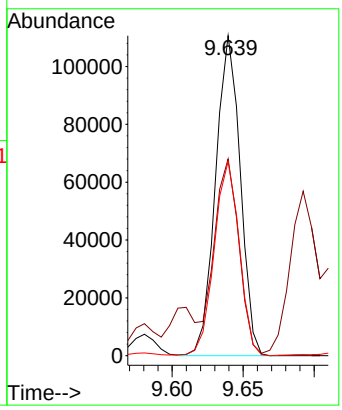


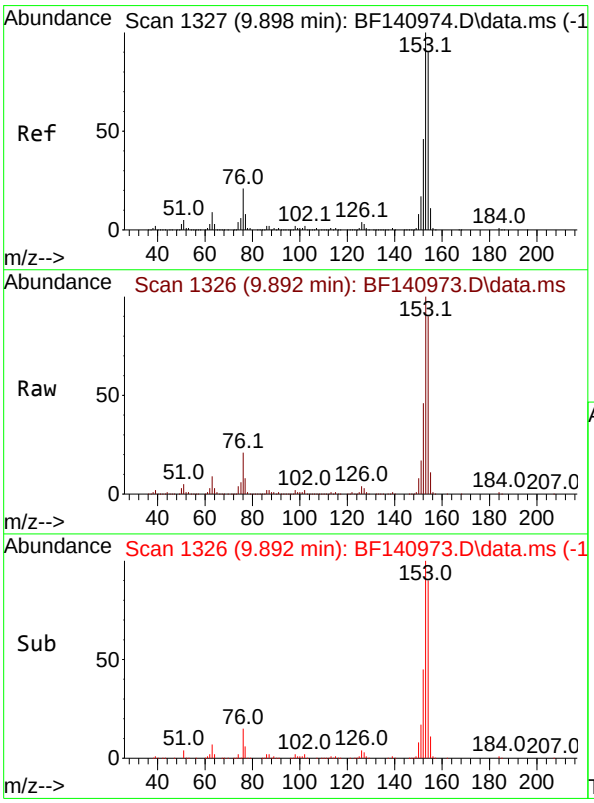
#51
2,6-Dinitrotoluene
Concen: 19.707 ng
RT: 9.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 133566

Ion	Ratio	Lower	Upper
165	100		
63	61.5	47.1	70.7
89	60.8	47.0	70.4

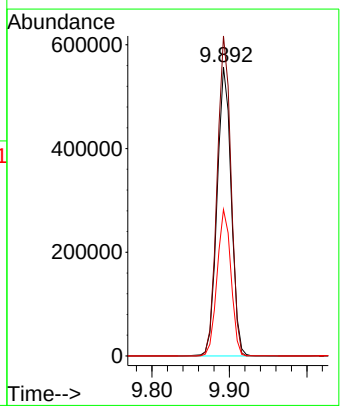


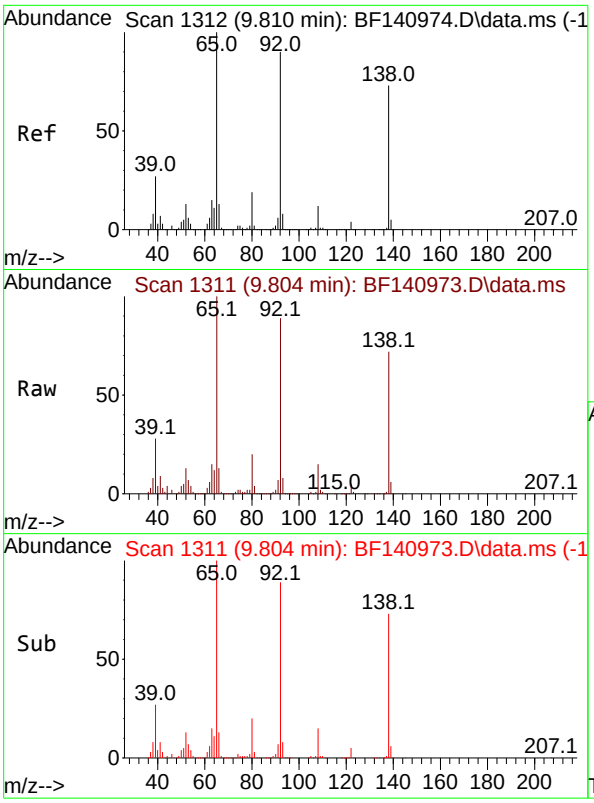


#52
Acenaphthene
Concen: 21.265 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:154 Resp: 704299

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.2	133.8
152	50.7	40.9	61.3



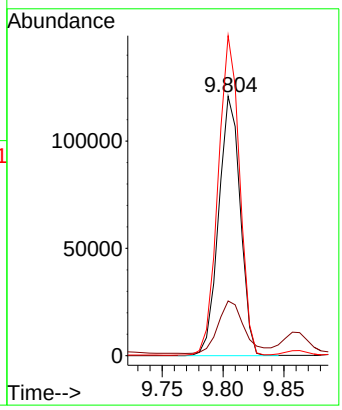


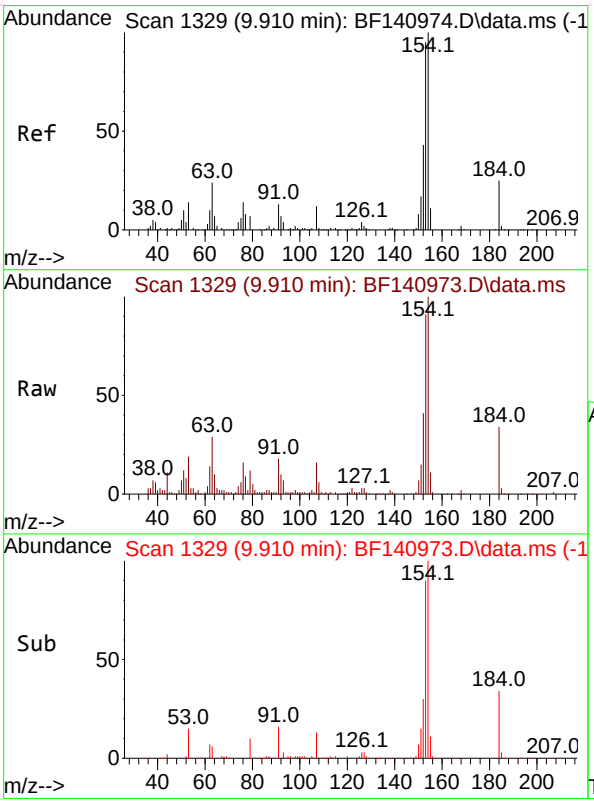
#53
3-Nitroaniline
Concen: 19.906 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 149270

Ion	Ratio	Lower	Upper
138	100		
108	21.1	13.5	20.3#
92	123.4	97.7	146.5

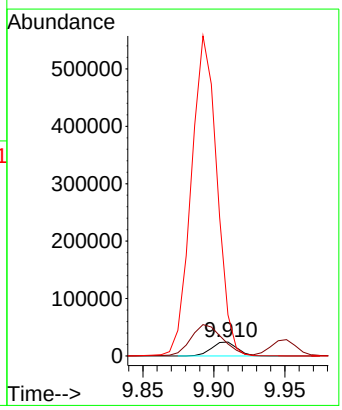


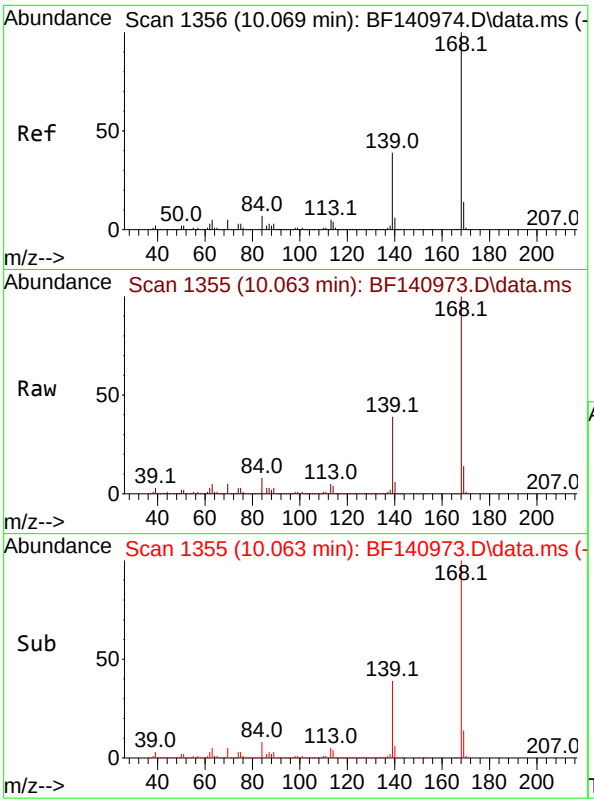


#54
2,4-Dinitrophenol
Concen: 19.424 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:184 Resp: 30382

Ion	Ratio	Lower	Upper
184	100		
63	86.6	81.6	122.4
154	295.3	363.5	545.3#



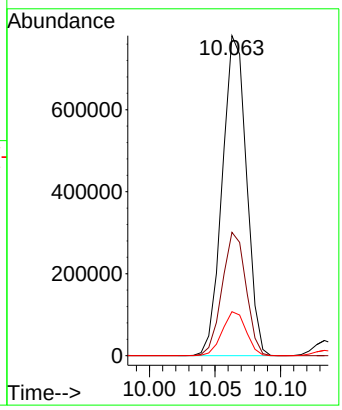


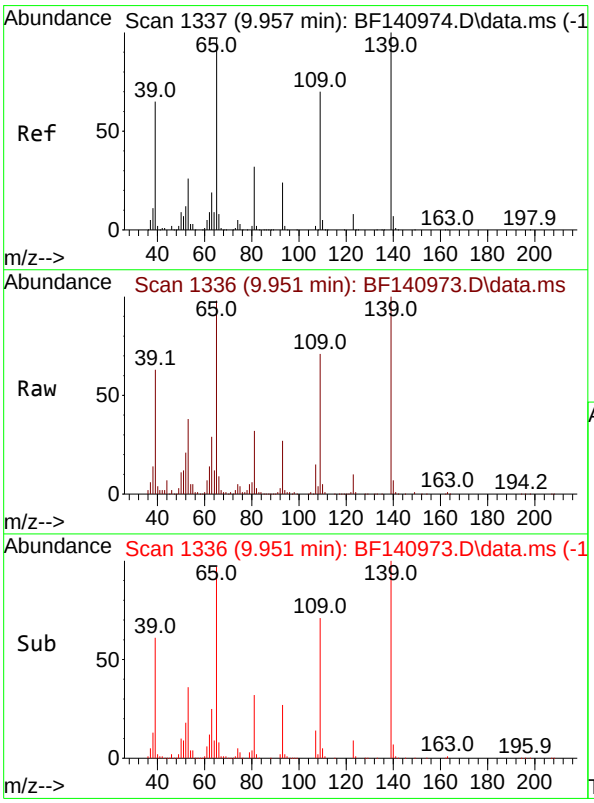
#55
Dibenzofuran
Concen: 21.463 ng
RT: 10.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 999002

Ion	Ratio	Lower	Upper
168	100		
139	38.6	31.6	47.4
169	13.8	11.0	16.6

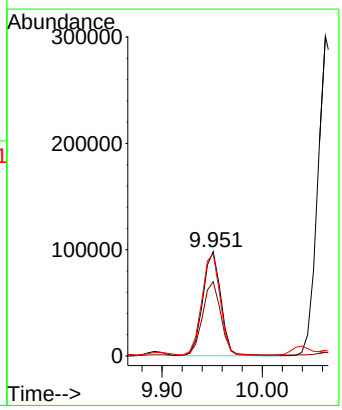


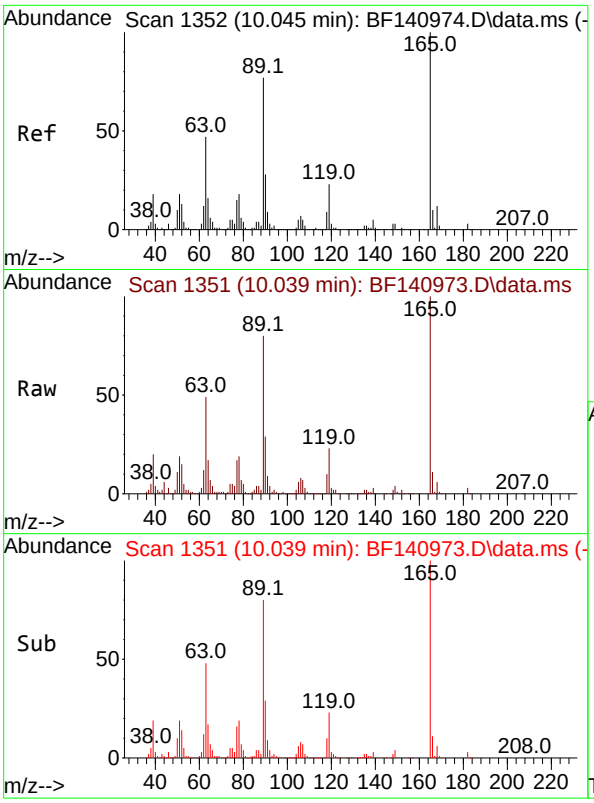


#56
4-Nitrophenol
Concen: 18.962 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:139 Resp: 122269

Ion	Ratio	Lower	Upper
139	100		
109	71.2	50.8	90.8
65	97.9	78.5	118.5



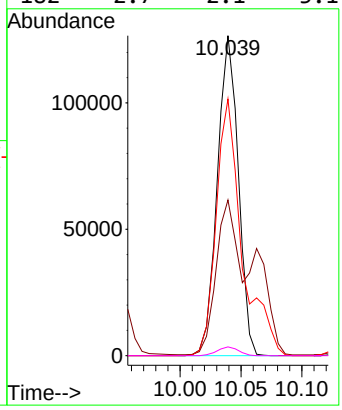


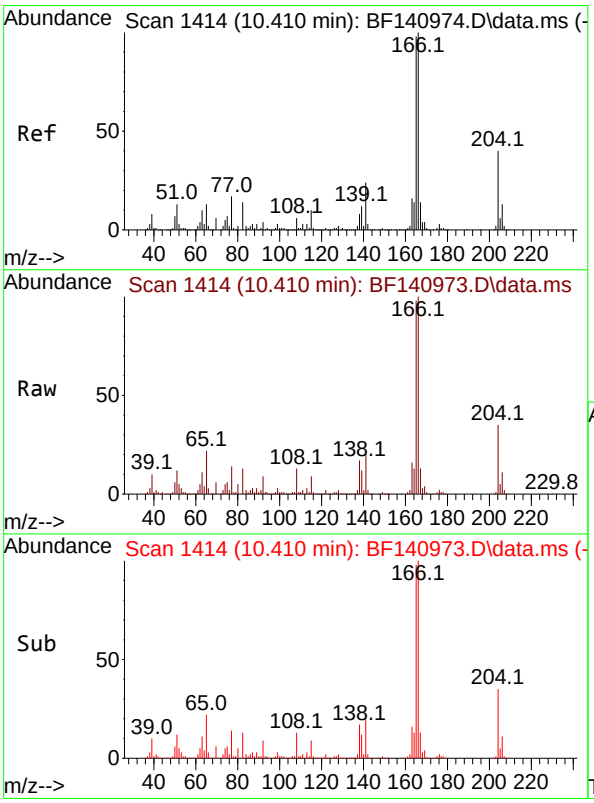
#57
2,4-Dinitrotoluene
Concen: 19.116 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 151712

Ion	Ratio	Lower	Upper
165	100		
63	48.7	38.1	57.1
89	80.2	61.4	92.2
182	2.7	2.1	3.1

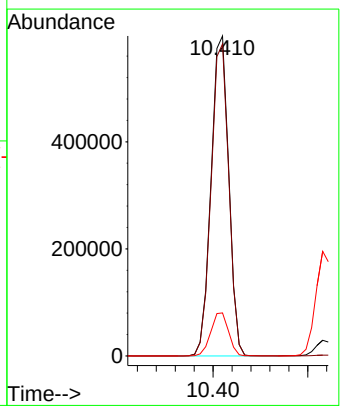


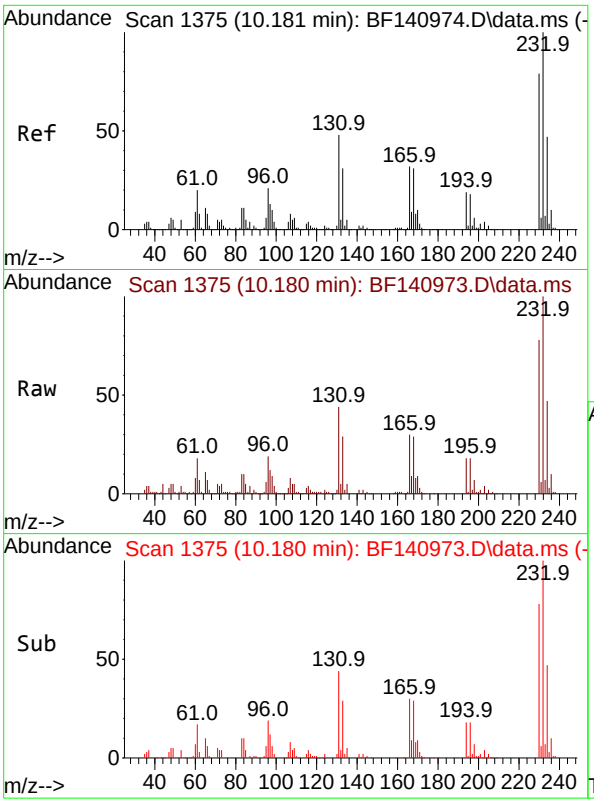


#58
Fluorene
Concen: 21.447 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:166 Resp: 774090

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.3	117.5
167	13.5	10.9	16.3



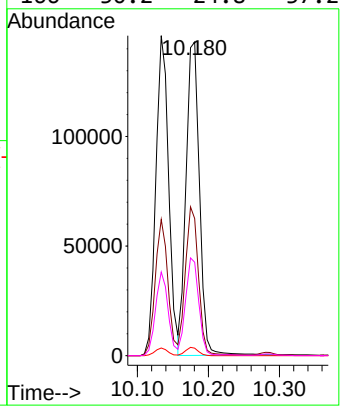


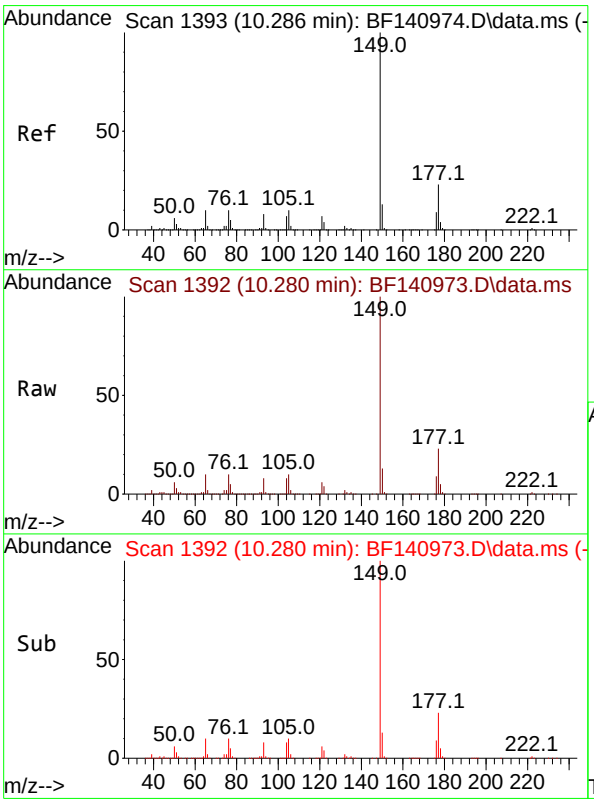
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.084 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 187475

Ion	Ratio	Lower	Upper
232	100		
131	46.1	37.4	56.2
130	2.5	1.8	2.8
166	30.2	24.8	37.2

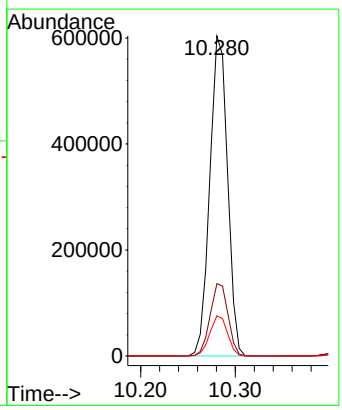


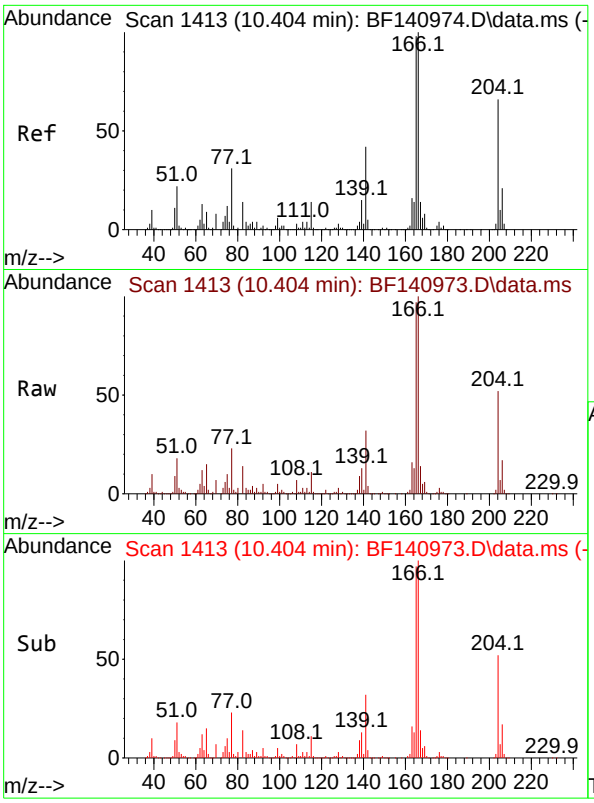


#60
Diethylphthalate
Concen: 21.089 ng
RT: 10.280 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:149 Resp: 784780

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.3	27.5
150	12.6	10.4	15.6



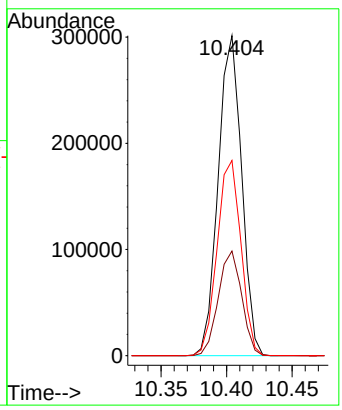


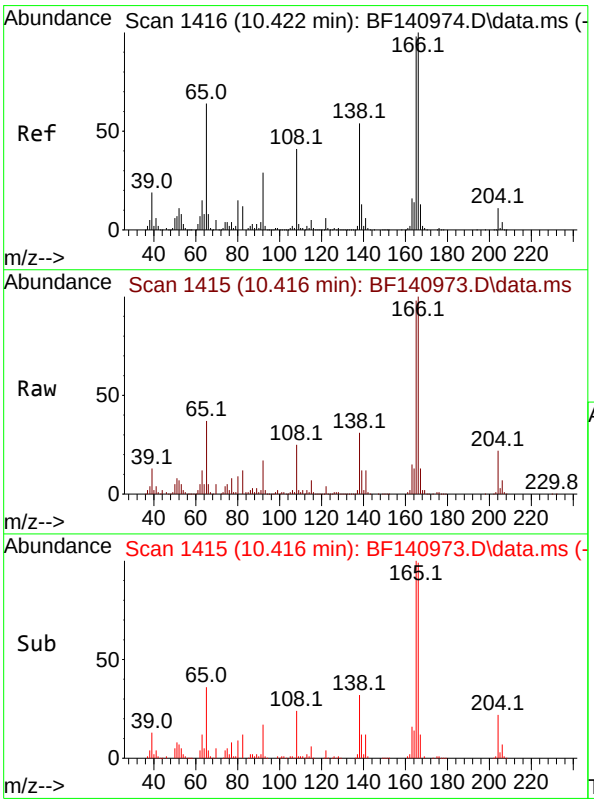
#61
4-Chlorophenyl-phenylether
Concen: 21.556 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 374361

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.8	38.6
141	61.0	51.2	76.8

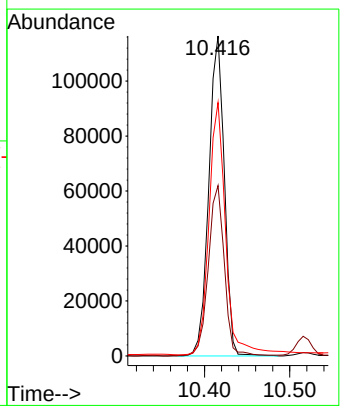


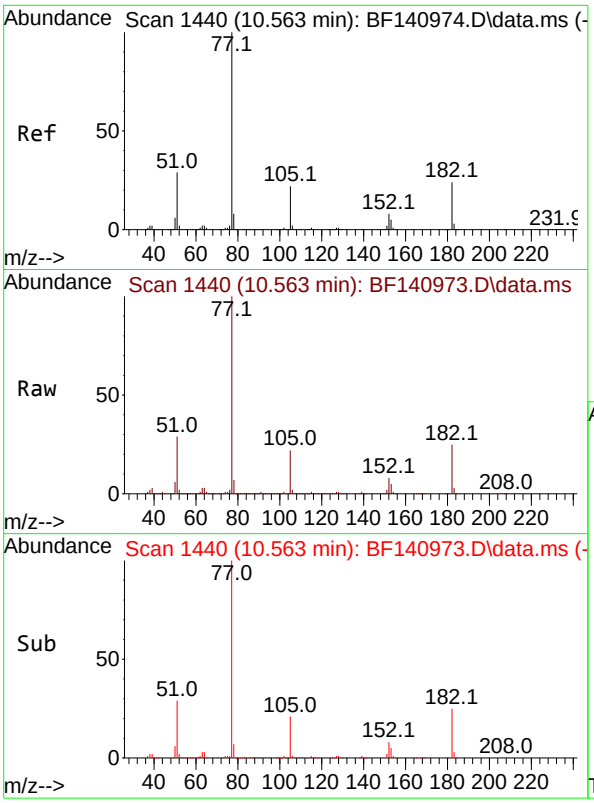


#62
4-Nitroaniline
Concen: 19.756 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:138 Resp: 147320

Ion	Ratio	Lower	Upper
138	100		
92	53.2	34.8	74.8
108	79.2	55.9	95.9



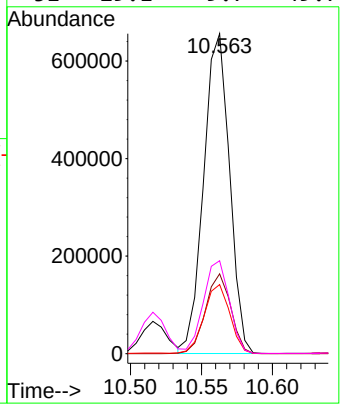


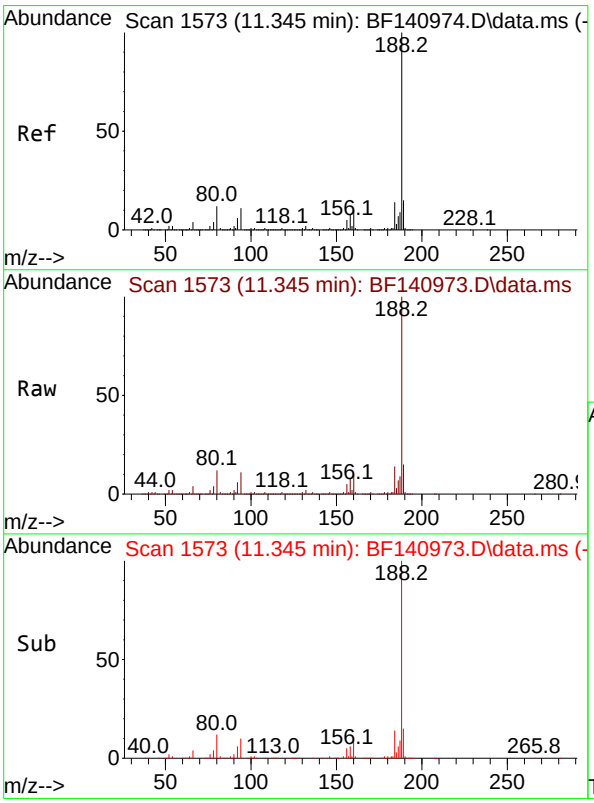
#63
Azobenzene
Concen: 21.240 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 829641

Ion	Ratio	Lower	Upper
77	100		
182	24.9	4.1	44.1
105	21.6	1.8	41.8
51	29.1	9.7	49.7

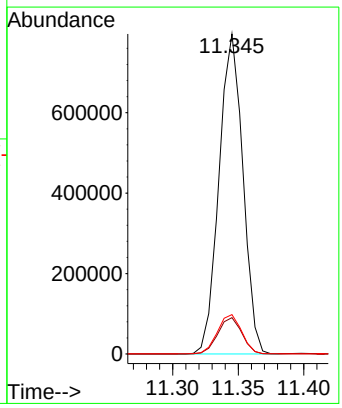


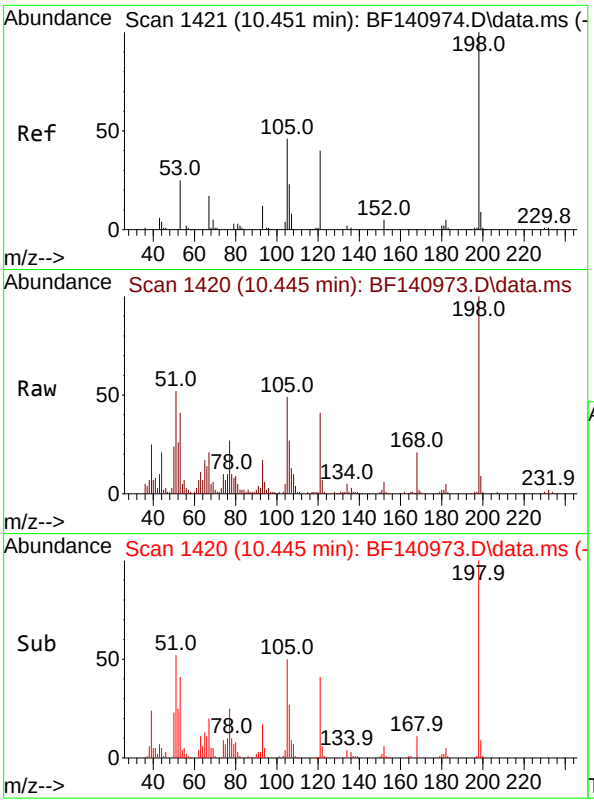


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:188 Resp: 1007534

Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.0	13.6
80	12.3	9.8	14.6



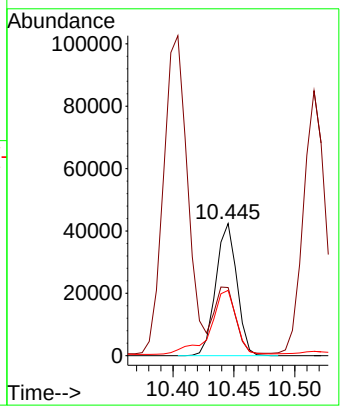


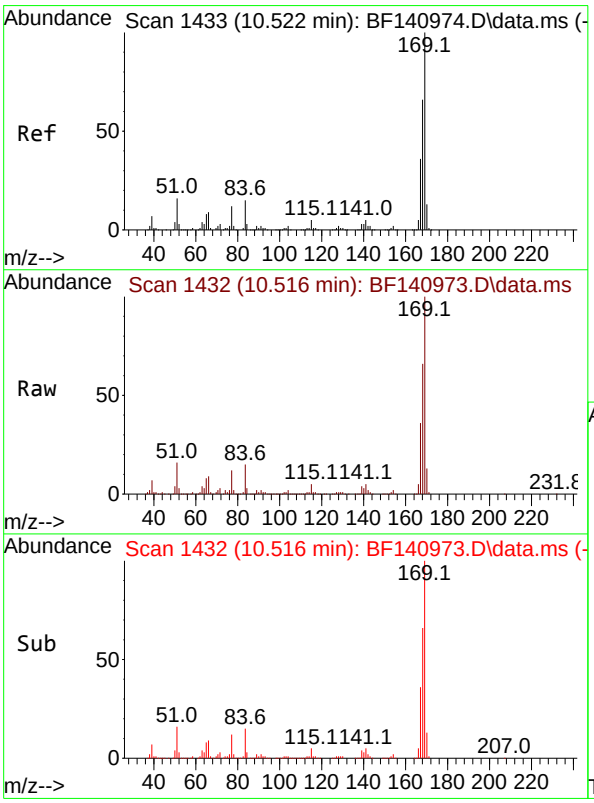
#65
4,6-Dinitro-2-methylphenol
Concen: 19.580 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 51061

Ion	Ratio	Lower	Upper
198	100		
51	51.6	32.3	72.3
105	49.4	28.4	68.4

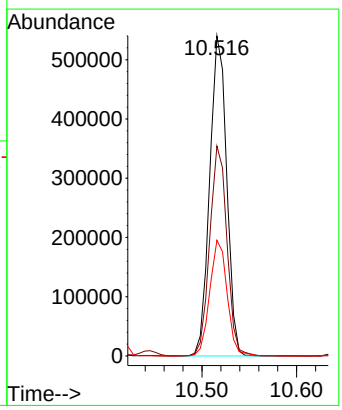


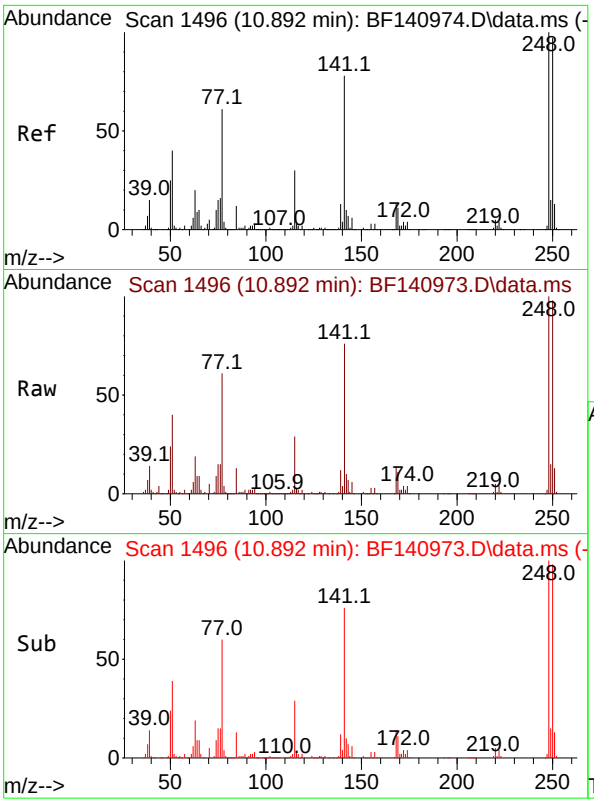


#66
n-Nitrosodiphenylamine
Concen: 21.221 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:169 Resp: 673269

Ion	Ratio	Lower	Upper
169	100		
168	65.6	52.6	79.0
167	36.2	29.0	43.4



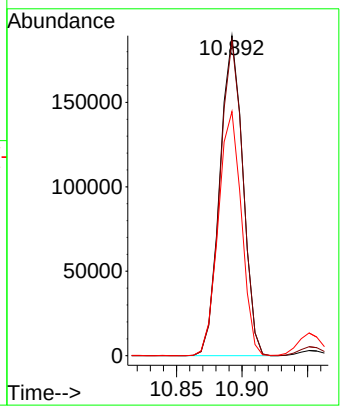


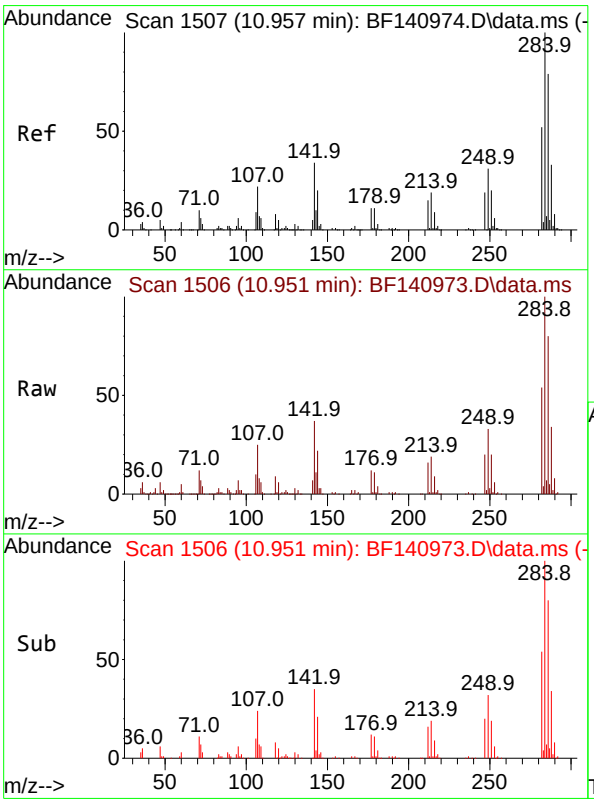
#67
4-Bromophenyl-phenylether
Concen: 21.137 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 230220

Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.7	116.5
141	76.3	62.1	93.1

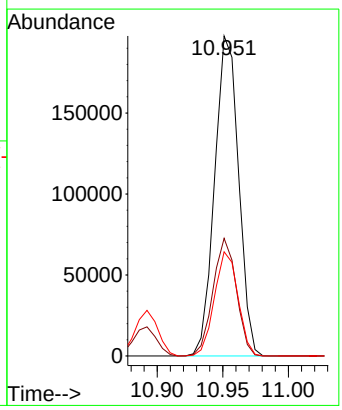


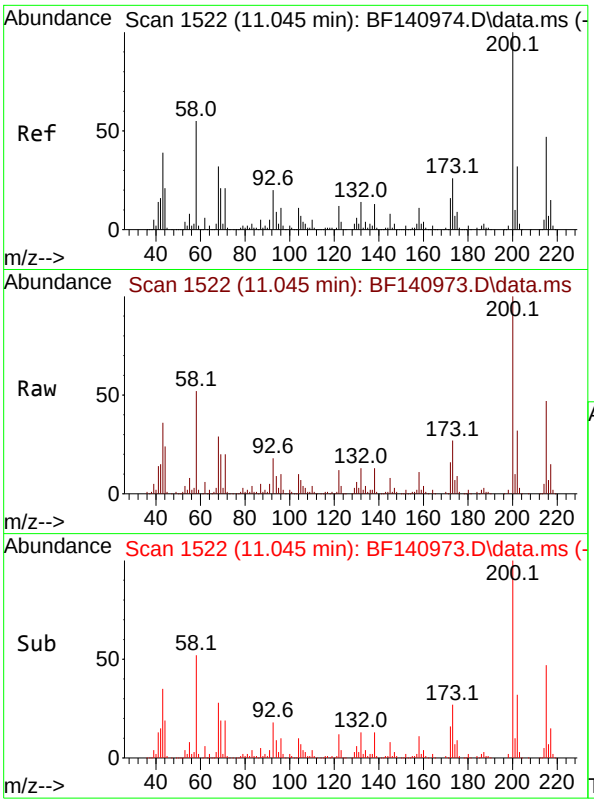


#68
Hexachlorobenzene
Concen: 20.861 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:284 Resp: 250540

Ion	Ratio	Lower	Upper
284	100		
142	36.8	27.1	40.7
249	32.6	25.1	37.7



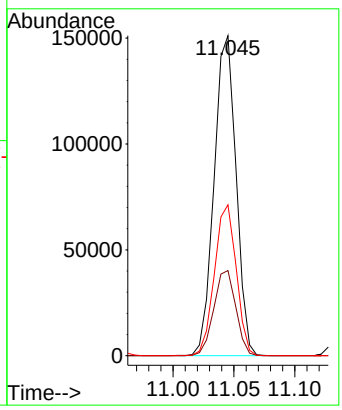


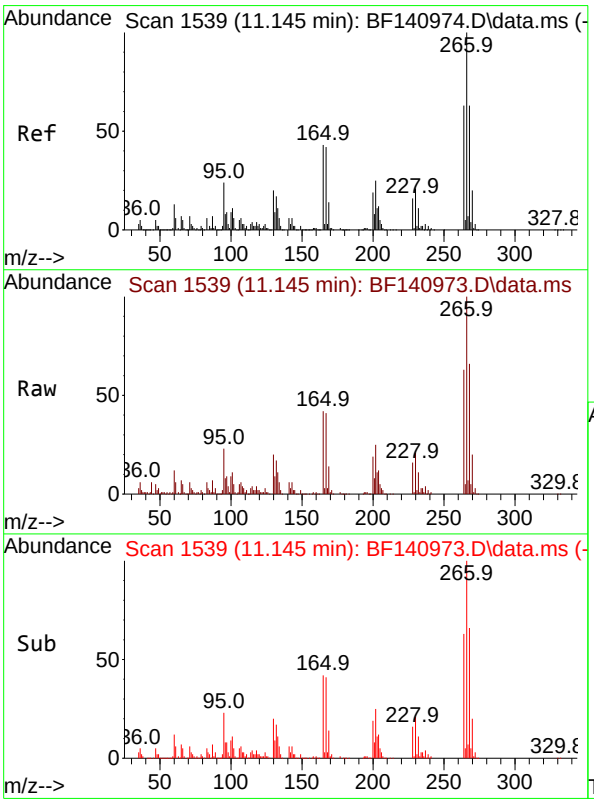
#69
Atrazine
Concen: 21.443 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 190058

Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.4	46.4
215	47.2	27.2	67.2

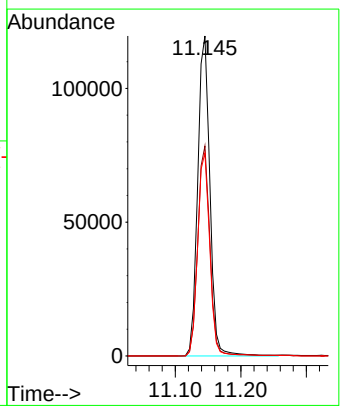


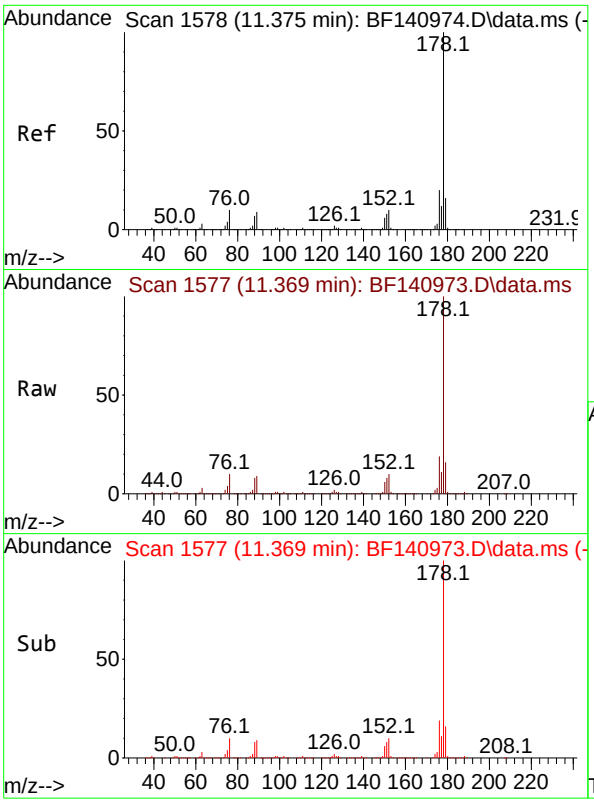


#70
Pentachlorophenol
Concen: 20.736 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:266 Resp: 155053

Ion	Ratio	Lower	Upper
266	100		
268	65.6	50.5	75.7
264	63.4	50.2	75.4



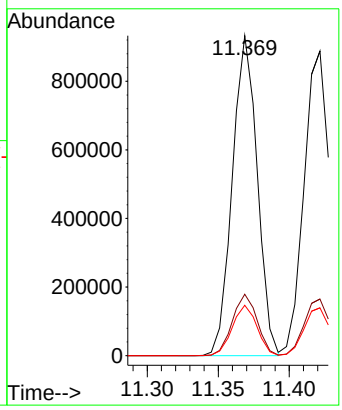


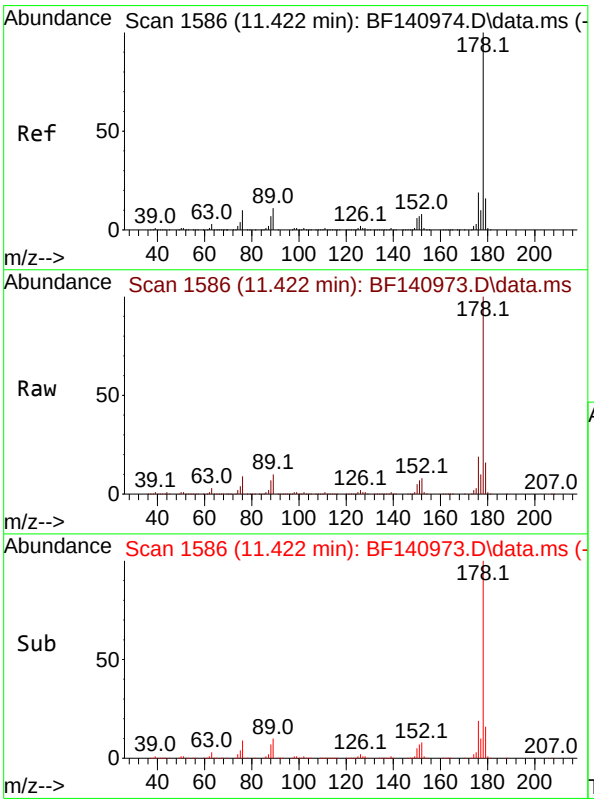
#71
Phenanthrene
Concen: 21.443 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1137057

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.6
179	15.7	12.6	19.0

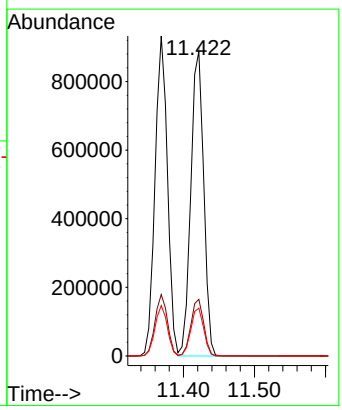


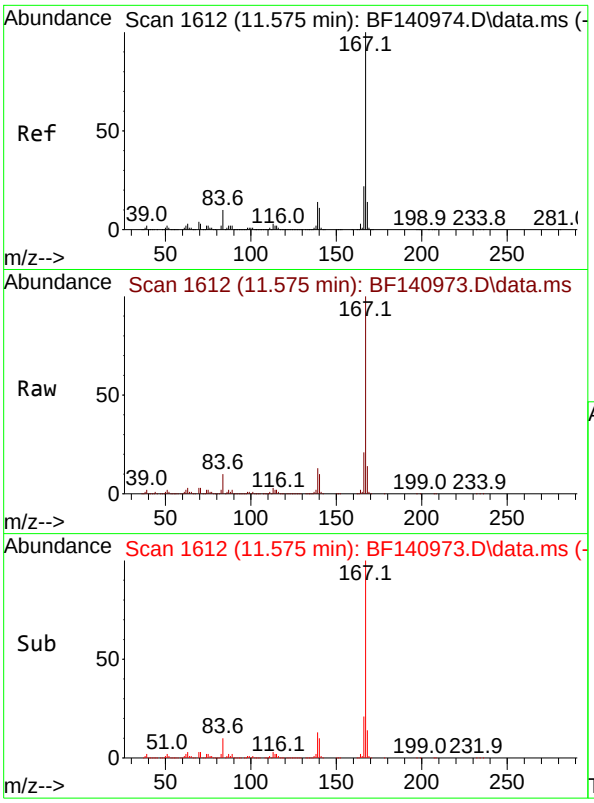


#72
Anthracene
Concen: 21.582 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:178 Resp: 1121403

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.7	12.9	19.3



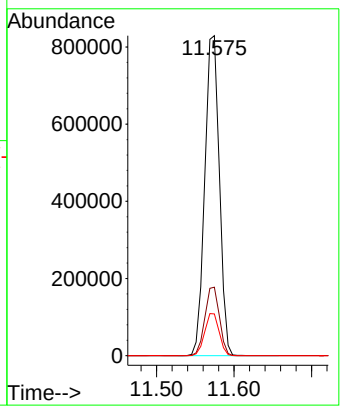


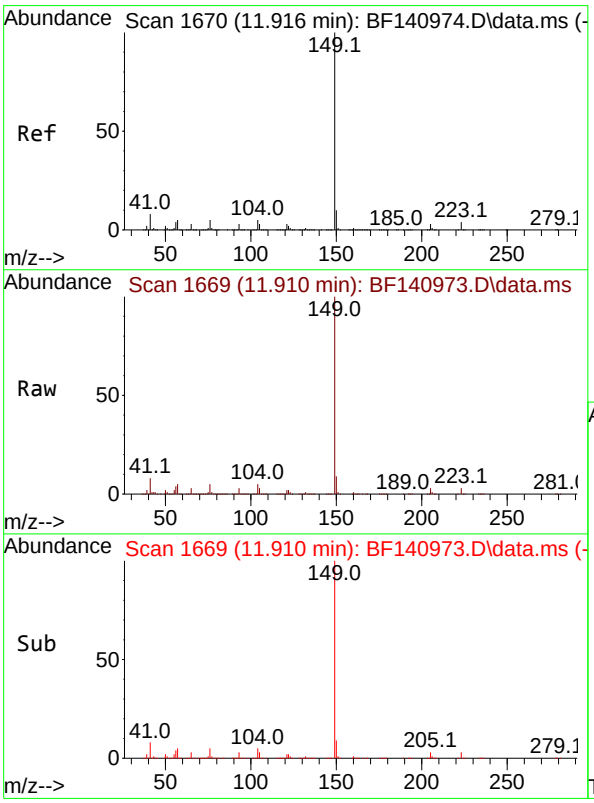
#73
Carbazole
Concen: 21.699 ng
RT: 11.575 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1083881

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.0	11.0	16.4

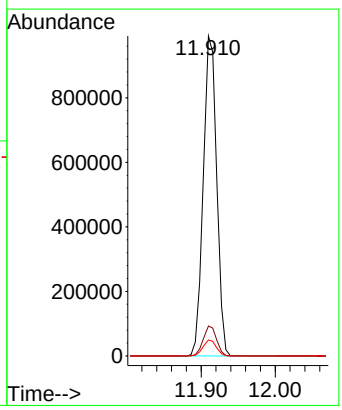


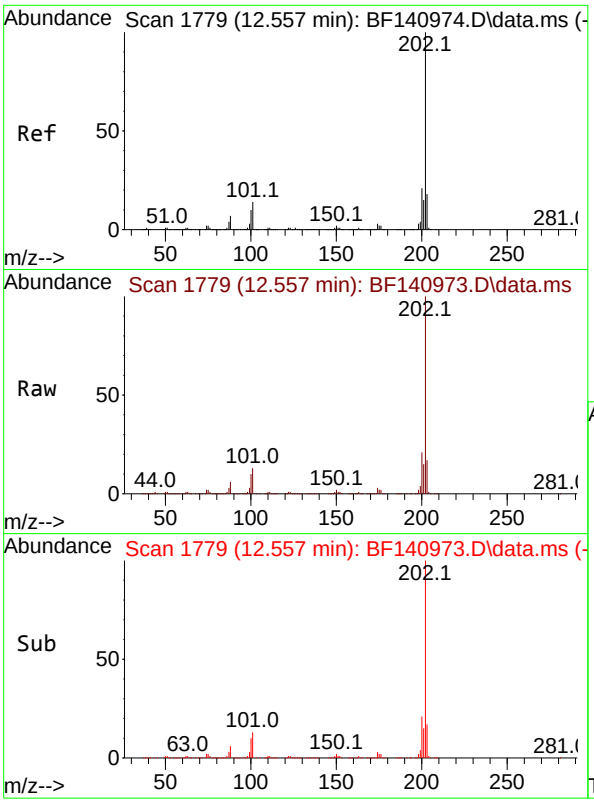


#74
Di-n-butylphthalate
Concen: 21.931 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:149 Resp: 1245979

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.7	11.5
104	5.0	4.1	6.1



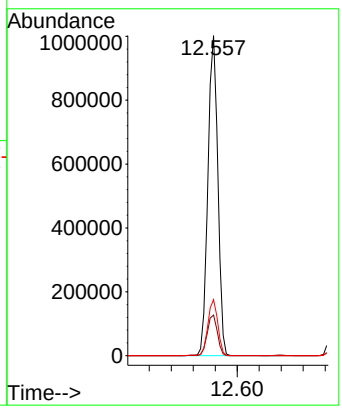


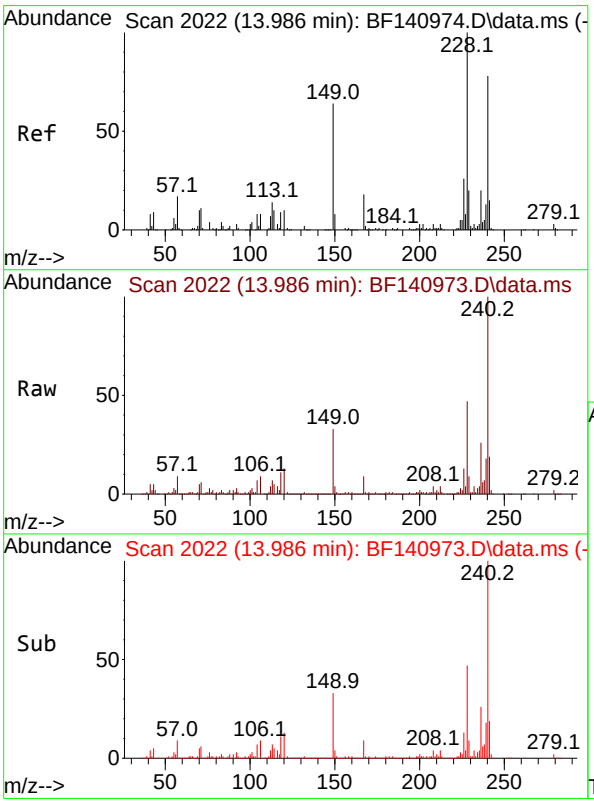
#75
Fluoranthene
Concen: 21.767 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1251854

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.7
203	17.5	0.0	38.1

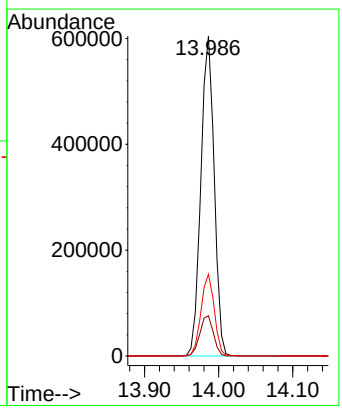


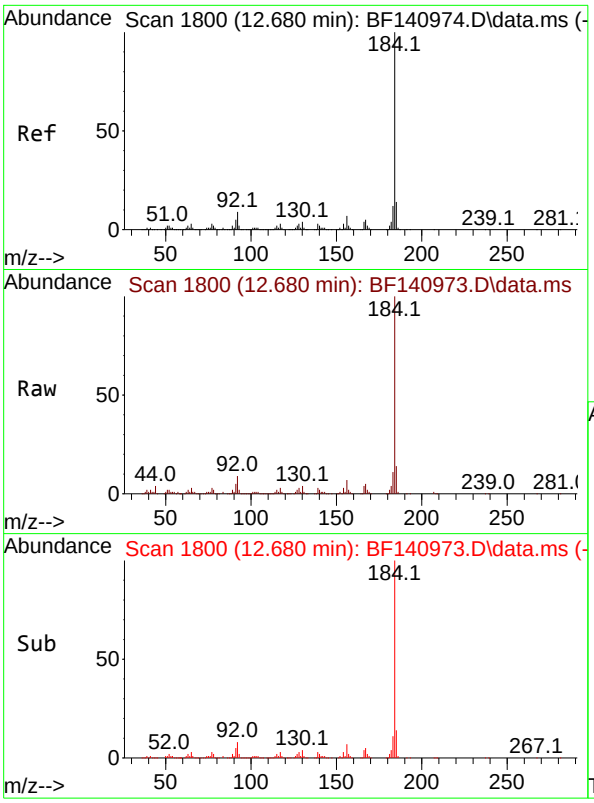


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:240 Resp: 755829

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.7	16.1
236	25.6	20.6	31.0



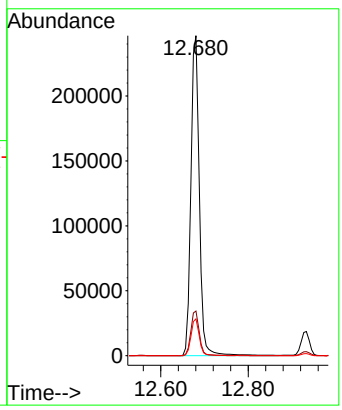


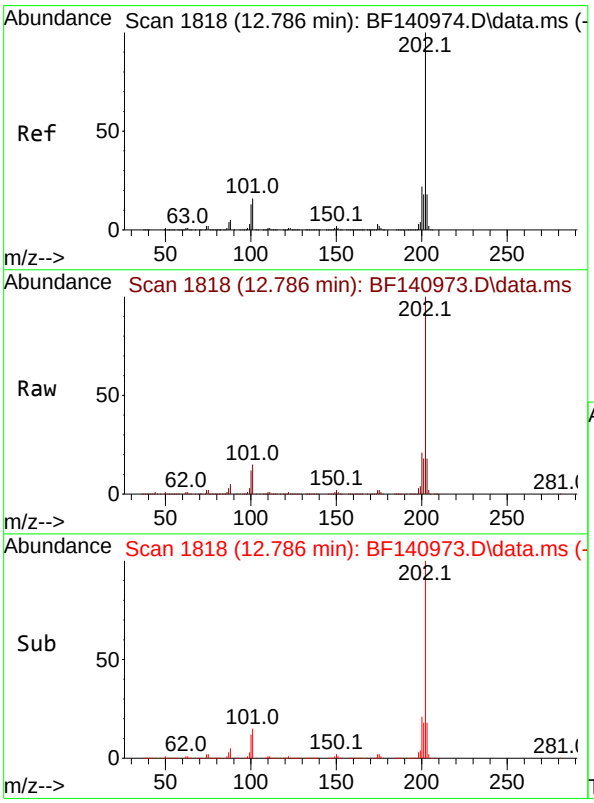
#77
Benzidine
Concen: 20.685 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 330414

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.4	17.2
183	11.5	9.4	14.0

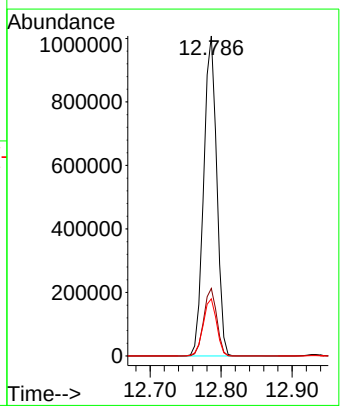


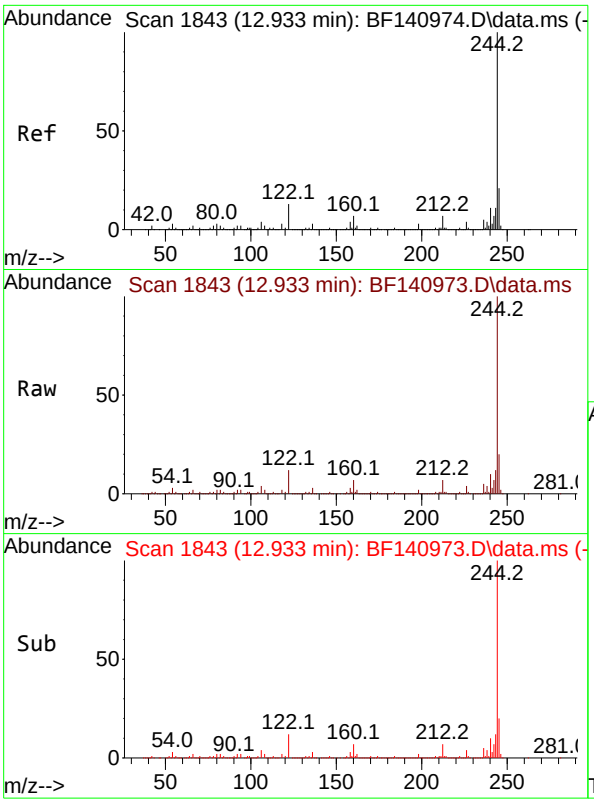


#78
Pyrene
Concen: 19.452 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:202 Resp: 1285846

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9
203	17.9	14.6	21.8



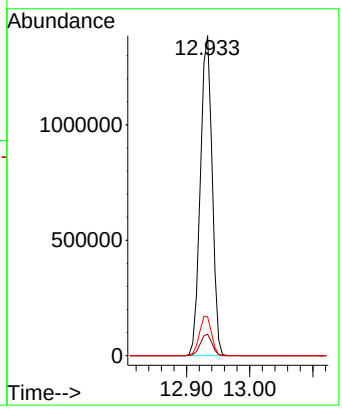


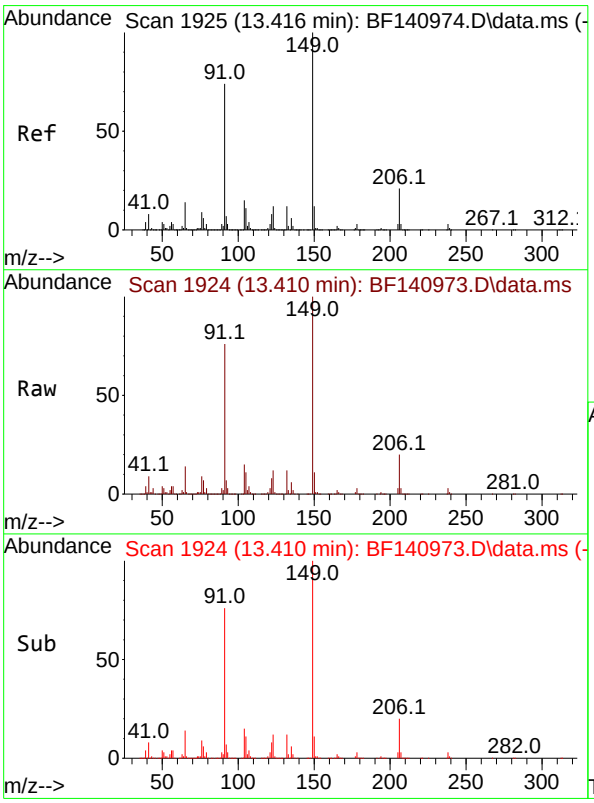
#79
Terphenyl-d14
Concen: 39.463 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 1795750

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	12.2	10.2	15.2

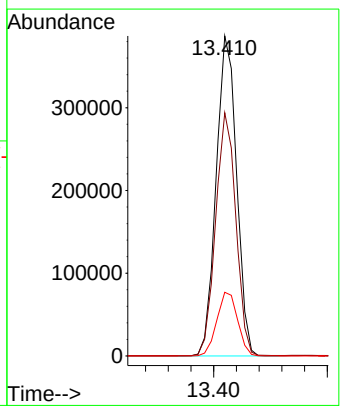


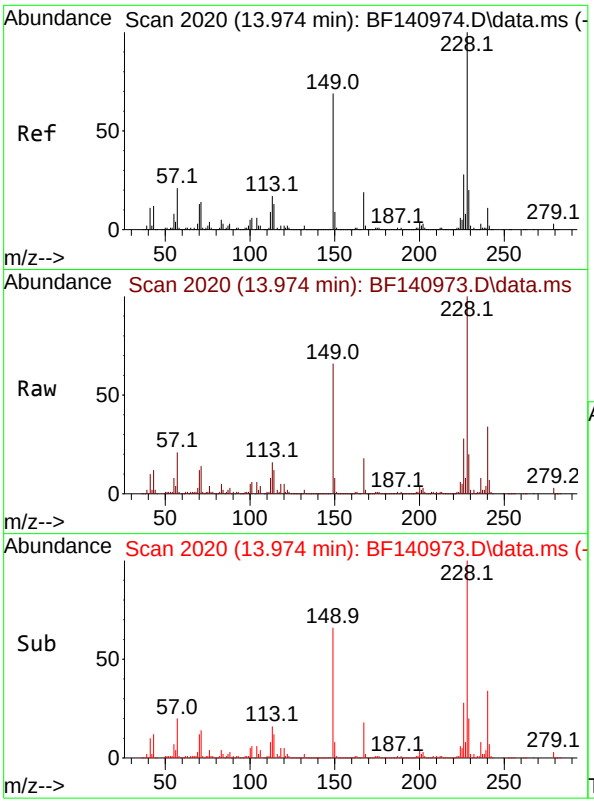


#80
Butylbenzylphthalate
Concen: 20.036 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:149 Resp: 483615

Ion	Ratio	Lower	Upper
149	100		
91	76.0	59.5	89.3
206	19.9	17.1	25.7



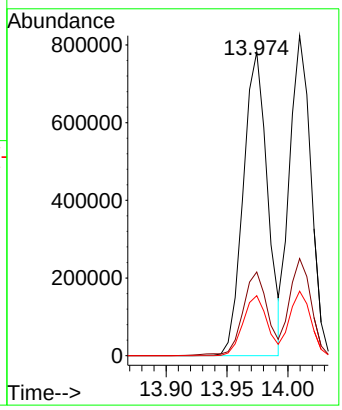


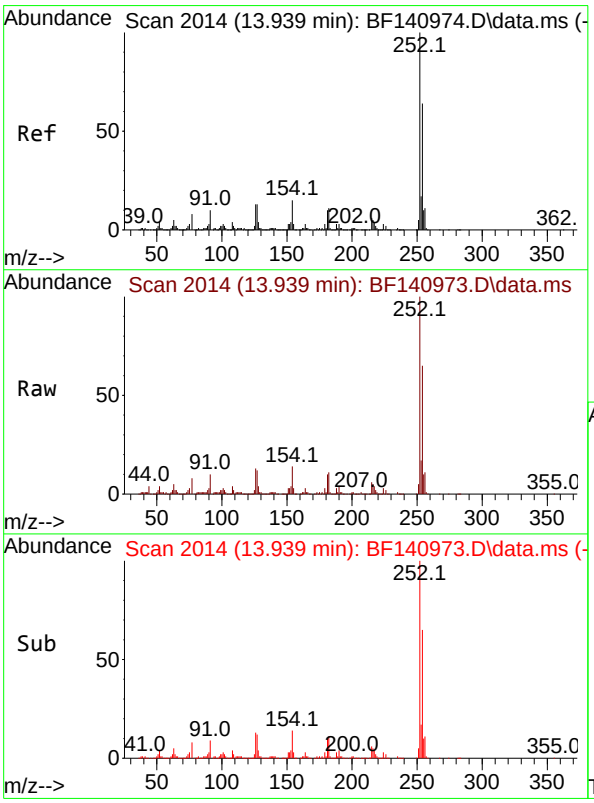
#81
Benzo(a)anthracene
Concen: 20.620 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1086206

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	19.8	16.2	24.2

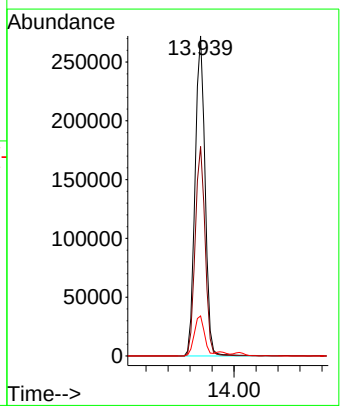


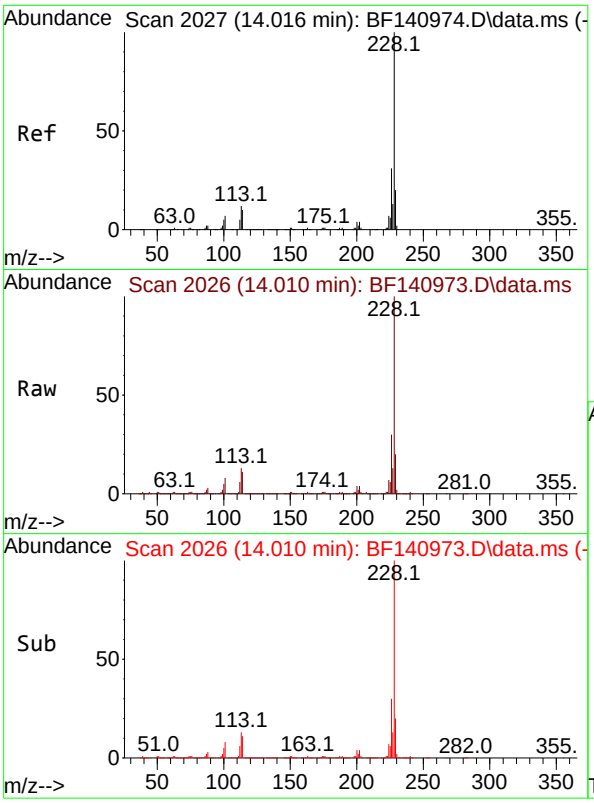


#82
3,3'-Dichlorobenzidine
Concen: 21.722 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:252 Resp: 343789

Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.5	77.3
126	12.5	10.3	15.5



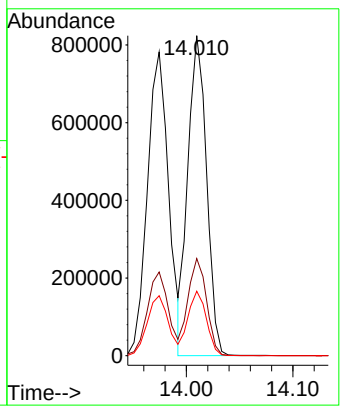


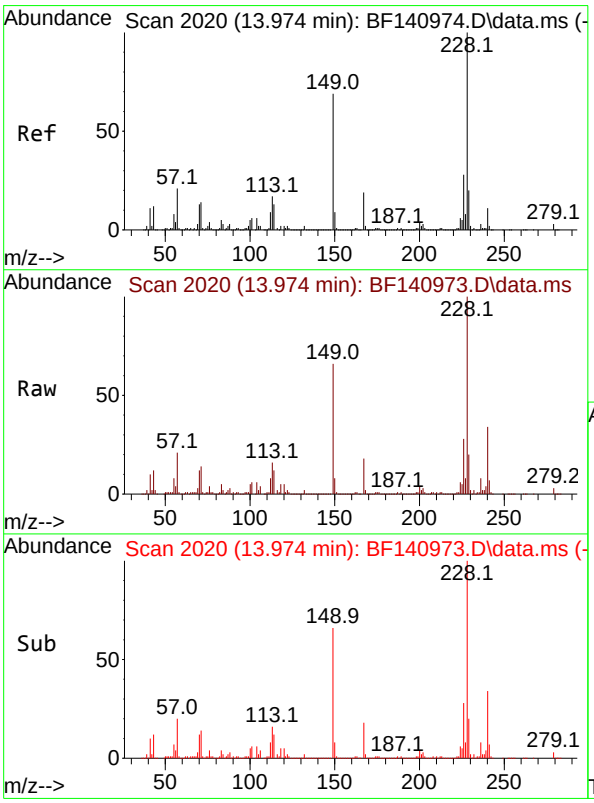
#83
Chrysene
Concen: 21.114 ng
RT: 14.010 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1002629

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.5	36.7
229	20.1	16.2	24.4

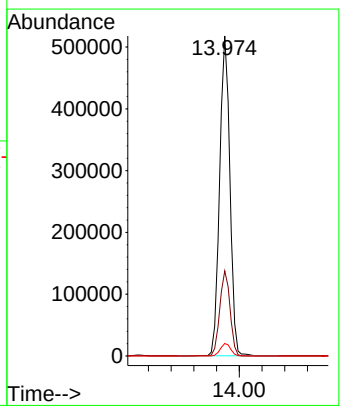


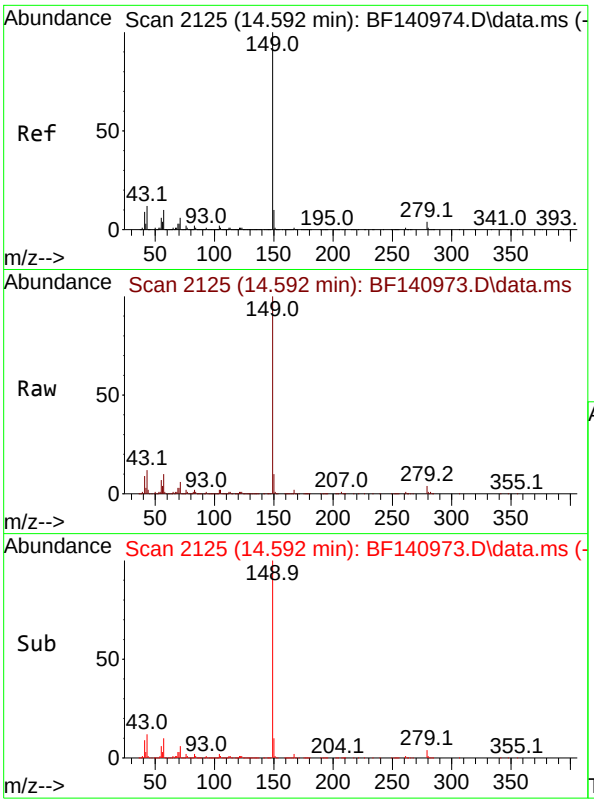


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.731 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:149 Resp: 649103

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.6	32.4
279	3.9	3.2	4.8



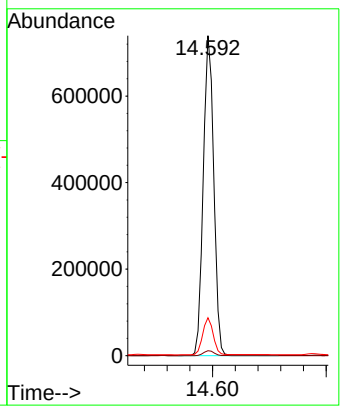


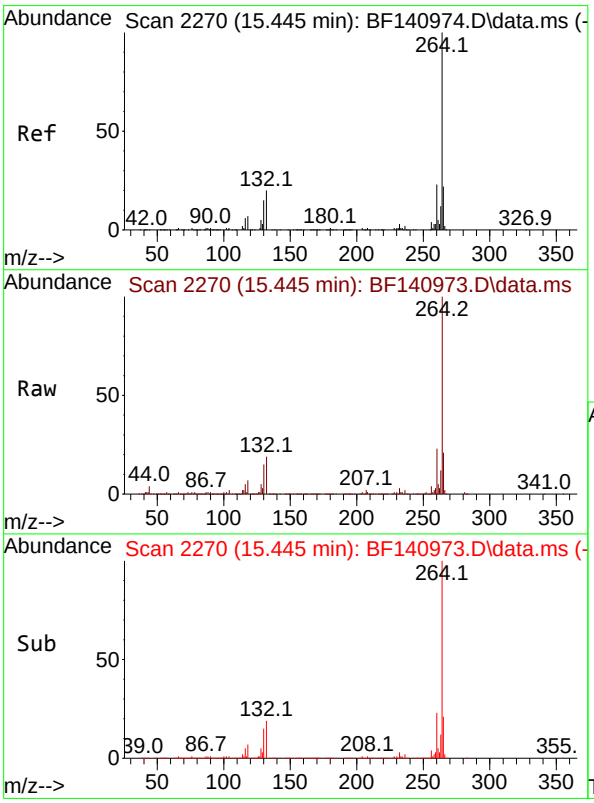
#85
Di-n-octyl phthalate
Concen: 20.891 ng
RT: 14.592 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 946713

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.6	9.3	13.9

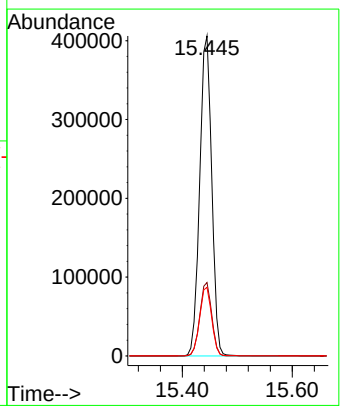


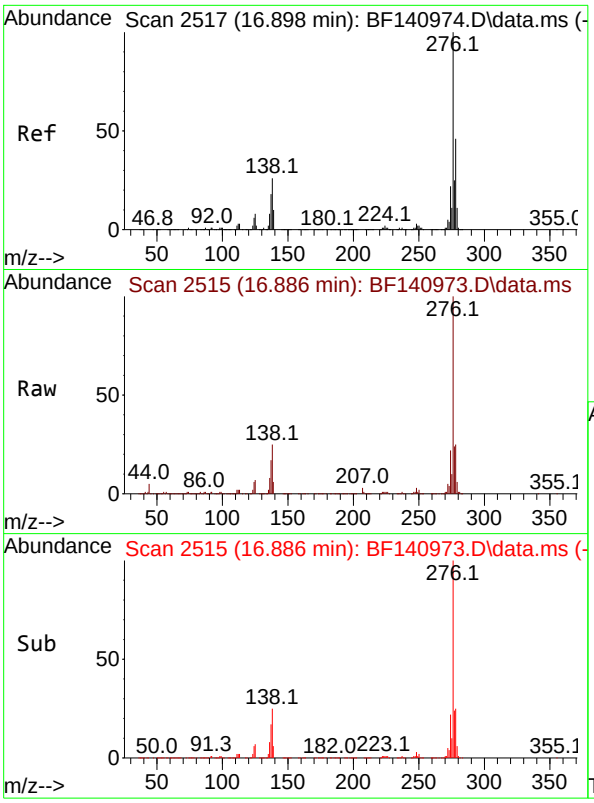


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:264 Resp: 616760

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.5	17.4	26.2



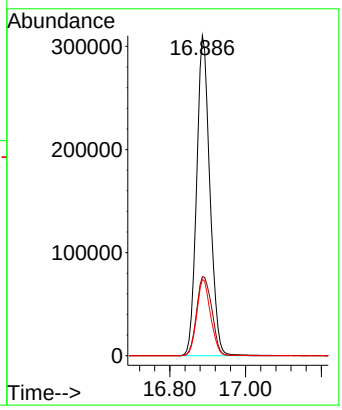


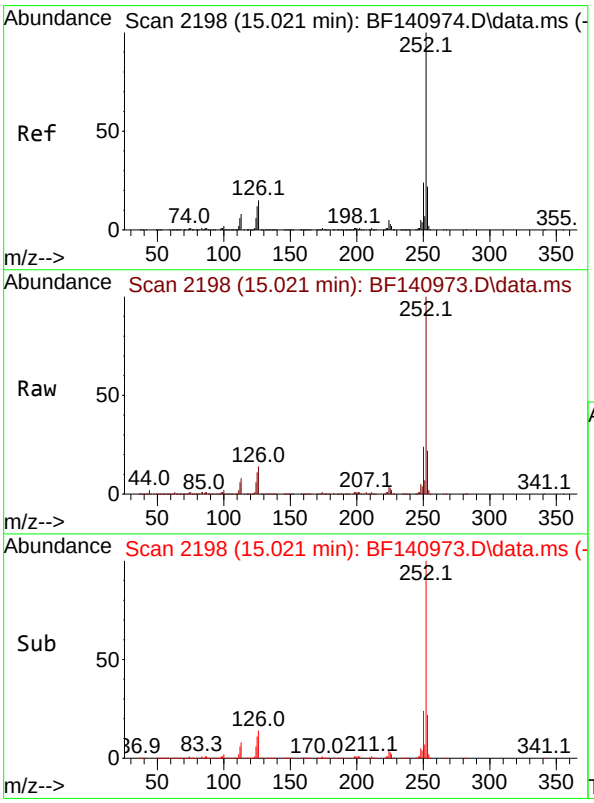
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.433 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 755113

Ion	Ratio	Lower	Upper
276	100		
138	28.5	23.1	34.7
277	24.8	20.4	30.6

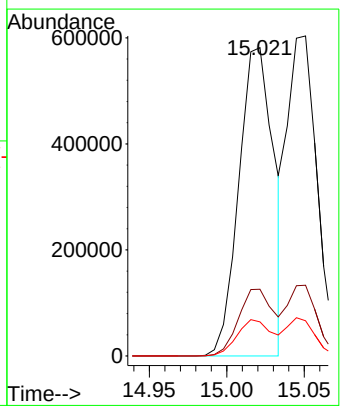


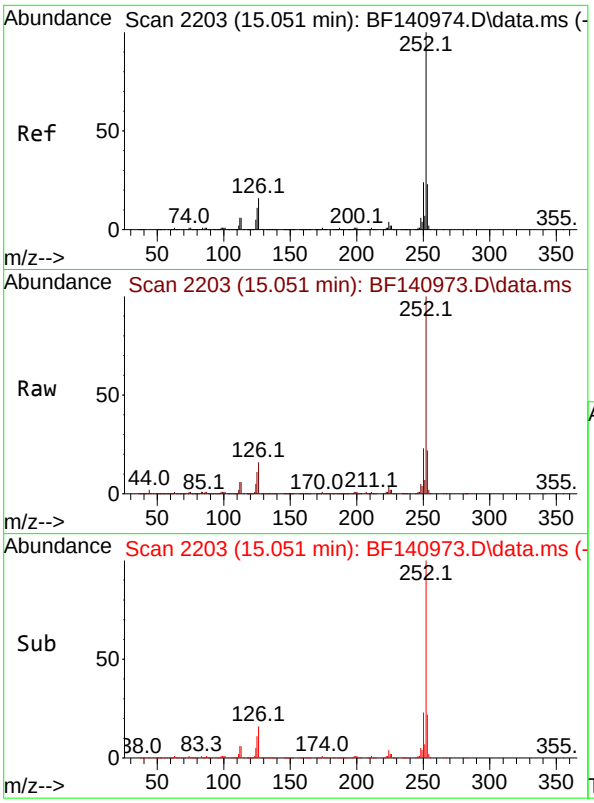


#88
Benzo(b)fluoranthene
Concen: 21.208 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:252 Resp: 912288

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.1	9.3	13.9



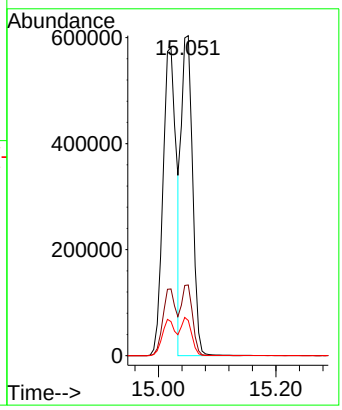


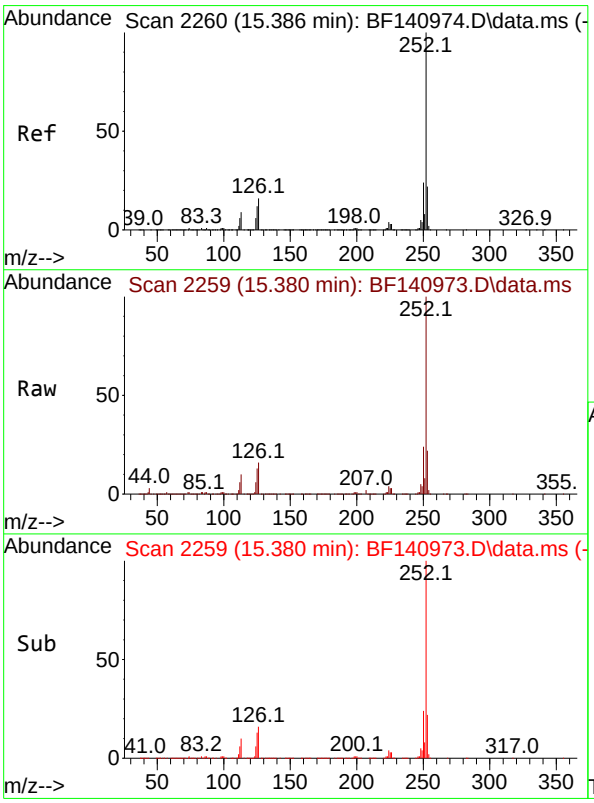
#89
Benzo(k)fluoranthene
Concen: 23.796 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 802261

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	11.0	9.4	14.0

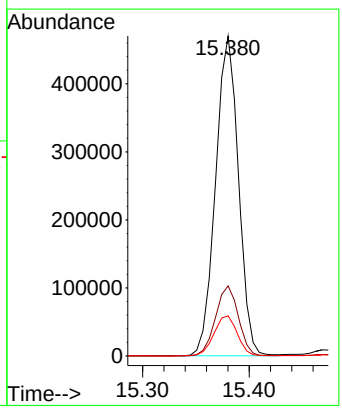


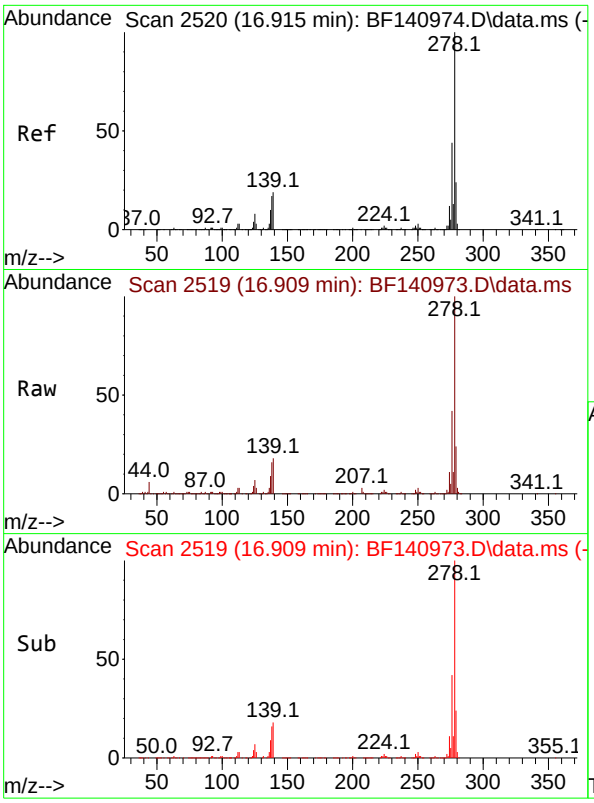


#90
Benzo(a)pyrene
Concen: 20.998 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:252 Resp: 701080

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	12.6	9.8	14.8



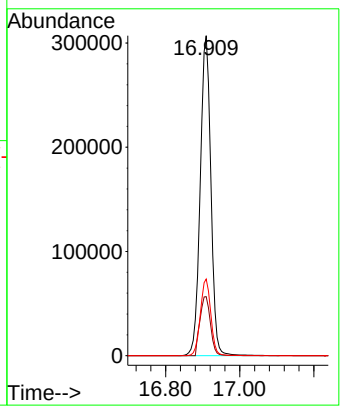


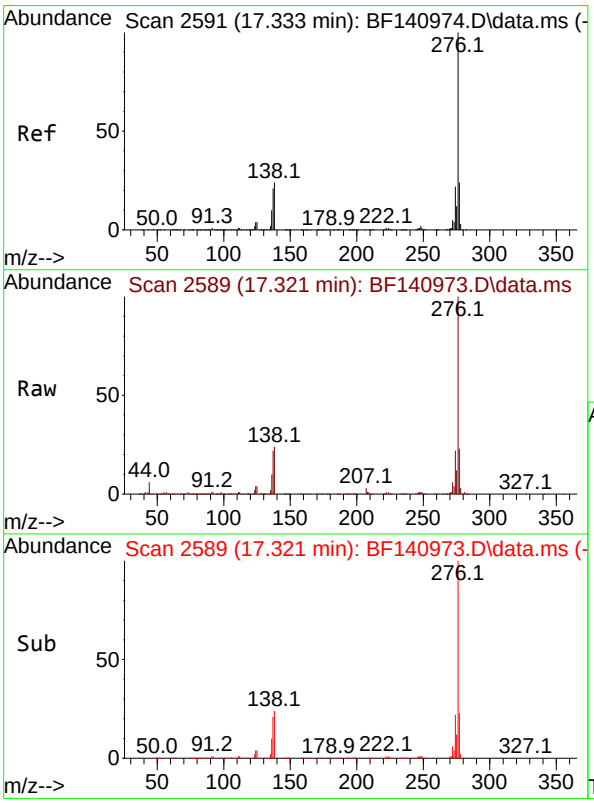
#91
Dibenzo(a,h)anthracene
Concen: 19.424 ng
RT: 16.909 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 611811

Ion	Ratio	Lower	Upper
278	100		
139	18.5	14.9	22.3
279	24.0	19.0	28.6

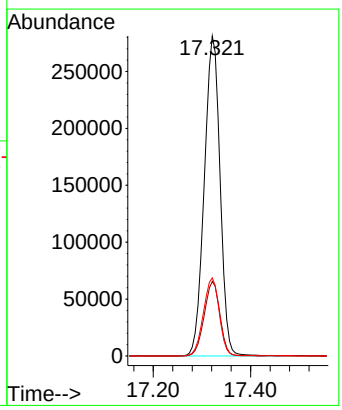




#92
Benzo(g,h,i)perylene
Concen: 19.314 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:276 Resp: 630980

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.4
138	24.4	19.4	29.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140974.D
Acq On : 26 Dec 2024 18:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:22:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	264114	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1047016	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	555398	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	980435	20.000	ng	0.00
76) Chrysene-d12	13.986	240	652144	20.000	ng	0.00
86) Perylene-d12	15.445	264	531798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1365623	77.940	ng	0.00
7) Phenol-d6	6.451	99	1760717	78.007	ng	0.00
23) Nitrobenzene-d5	7.392	82	1367946	83.588	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	435705	80.733	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	2610026	74.872	ng	0.00
79) Terphenyl-d14	12.933	244	2976692	75.816	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.552	88	315557	39.780	ng	100
3) Pyridine	3.293	79	759262	39.166	ng	100
4) n-Nitrosodimethylamine	3.240	42	393459	40.058	ng	100
6) Aniline	6.510	93	853180m	42.382	ng	
8) 2-Chlorophenol	6.610	128	732249	39.639	ng	100
9) Benzaldehyde	6.375	77	454816	41.536	ng	100
10) Phenol	6.463	94	921228	39.471	ng	100
11) bis(2-Chloroethyl)ether	6.563	93	719951	38.239	ng	100
12) 1,3-Dichlorobenzene	6.769	146	800536	39.267	ng	100
13) 1,4-Dichlorobenzene	6.845	146	801219	38.985	ng	100
14) 1,2-Dichlorobenzene	6.998	146	748204	39.046	ng	100
15) Benzyl Alcohol	6.969	79	647599	39.926	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1115398	39.138	ng	100
17) 2-Methylphenol	7.075	107	608223	39.632	ng	100
18) Hexachloroethane	7.345	117	287289	39.351	ng	100
19) n-Nitroso-di-n-propyla...	7.245	70	532284	38.493	ng	100
20) 3+4-Methylphenols	7.228	107	766762	39.481	ng	100
22) Acetophenone	7.240	105	983828	38.304	ng	100
24) Nitrobenzene	7.410	77	767486	41.970	ng	100
25) Isophorone	7.651	82	1374822	38.606	ng	100
26) 2-Nitrophenol	7.728	139	266201	36.900	ng	100
27) 2,4-Dimethylphenol	7.757	122	505676	38.853	ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	869568	38.540	ng	100
29) 2,4-Dichlorophenol	7.963	162	582167	39.440	ng	100
30) 1,2,4-Trichlorobenzene	8.051	180	654033	39.147	ng	100
31) Naphthalene	8.134	128	2136130	38.718	ng	100
32) Benzoic acid	7.863	122	372684	36.912	ng	100
33) 4-Chloroaniline	8.181	127	768068	38.482	ng	100
34) Hexachlorobutadiene	8.251	225	380095	38.591	ng	100
35) Caprolactam	8.545	113	197606m	39.375	ng	
36) 4-Chloro-3-methylphenol	8.651	107	646441	39.434	ng	100
37) 2-Methylnaphthalene	8.822	142	1343941	38.077	ng	100
38) 1-Methylnaphthalene	8.922	142	1330393	38.354	ng	100
40) 1,2,4,5-Tetrachloroben...	8.986	216	594643	38.917	ng	100
41) Hexachlorocyclopentadiene	8.975	237	207209	40.922	ng	100
43) 2,4,6-Trichlorophenol	9.092	196	404147	39.741	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140974.D
Acq On : 26 Dec 2024 18:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:22:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	422062	40.562	ng	100
46) 1,1'-Biphenyl	9.286	154	1643157	38.638	ng	100
47) 2-Chloronaphthalene	9.310	162	1266026	38.385	ng	100
48) 2-Nitroaniline	9.398	65	319958	38.138	ng	100
49) Acenaphthylene	9.722	152	1837752	38.706	ng	100
50) Dimethylphthalate	9.586	163	1427475	39.074	ng	100
51) 2,6-Dinitrotoluene	9.645	165	283992	38.871	ng	100
52) Acenaphthene	9.898	154	1243394	38.737	ng	100
53) 3-Nitroaniline	9.810	138	312579	39.221	ng	100
54) 2,4-Dinitrophenol	9.910	184	79893	37.853	ng	100
55) Dibenzofuran	10.069	168	1738272	38.535	ng	100
56) 4-Nitrophenol	9.957	139	254611	40.744	ng	100
57) 2,4-Dinitrotoluene	10.045	165	344129	38.708	ng	100
58) Fluorene	10.410	166	1323793	37.844	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.181	232	348605	40.453	ng	100
60) Diethylphthalate	10.286	149	1406132	38.988	ng	100
61) 4-Chlorophenyl-phenyle...	10.404	204	642732	38.186	ng	100
62) 4-Nitroaniline	10.422	138	309322	38.897	ng	100
63) Azobenzene	10.563	77	1465453	38.712	ng	100
65) 4,6-Dinitro-2-methylph...	10.451	198	130378	36.204	ng	100
66) n-Nitrosodiphenylamine	10.522	169	1187207	38.454	ng	100
67) 4-Bromophenyl-phenylether	10.892	248	416835	39.329	ng	100
68) Hexachlorobenzene	10.957	284	454182	38.863	ng	100
69) Atrazine	11.045	200	306702	35.559	ng	100
70) Pentachlorophenol	11.145	266	304066	41.789	ng	100
71) Phenanthrene	11.375	178	1970080	38.179	ng	100
72) Anthracene	11.422	178	1943496	38.437	ng	100
73) Carbazole	11.575	167	1856207	38.188	ng	100
74) Di-n-butylphthalate	11.916	149	2124340	38.425	ng	100
75) Fluoranthene	12.557	202	2140117	38.240	ng	100
77) Benzidine	12.680	184	540933	39.248	ng	100
78) Pyrene	12.786	202	2206885	38.693	ng	100
80) Butylbenzylphthalate	13.416	149	856154	41.109	ng	100
81) Benzo(a)anthracene	13.974	228	1786080	39.297	ng	100
82) 3,3'-Dichlorobenzidine	13.939	252	524994	38.446	ng	100
83) Chrysene	14.016	228	1574996	38.441	ng	100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1069992	39.607	ng	100
85) Di-n-octyl phthalate	14.592	149	1563317	39.982	ng	100
87) Indeno(1,2,3-cd)pyrene	16.898	276	1394102	41.609	ng	100
88) Benzo(b)fluoranthene	15.021	252	1506798	40.626	ng	100
89) Benzo(k)fluoranthene	15.051	252	1133027	38.976	ng	100
90) Benzo(a)pyrene	15.386	252	1136531	39.479	ng	100
91) Dibenzo(a,h)anthracene	16.915	278	1137962	41.900	ng	100
92) Benzo(g,h,i)perylene	17.333	276	1197853	42.524	ng	100

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

ICAL Form

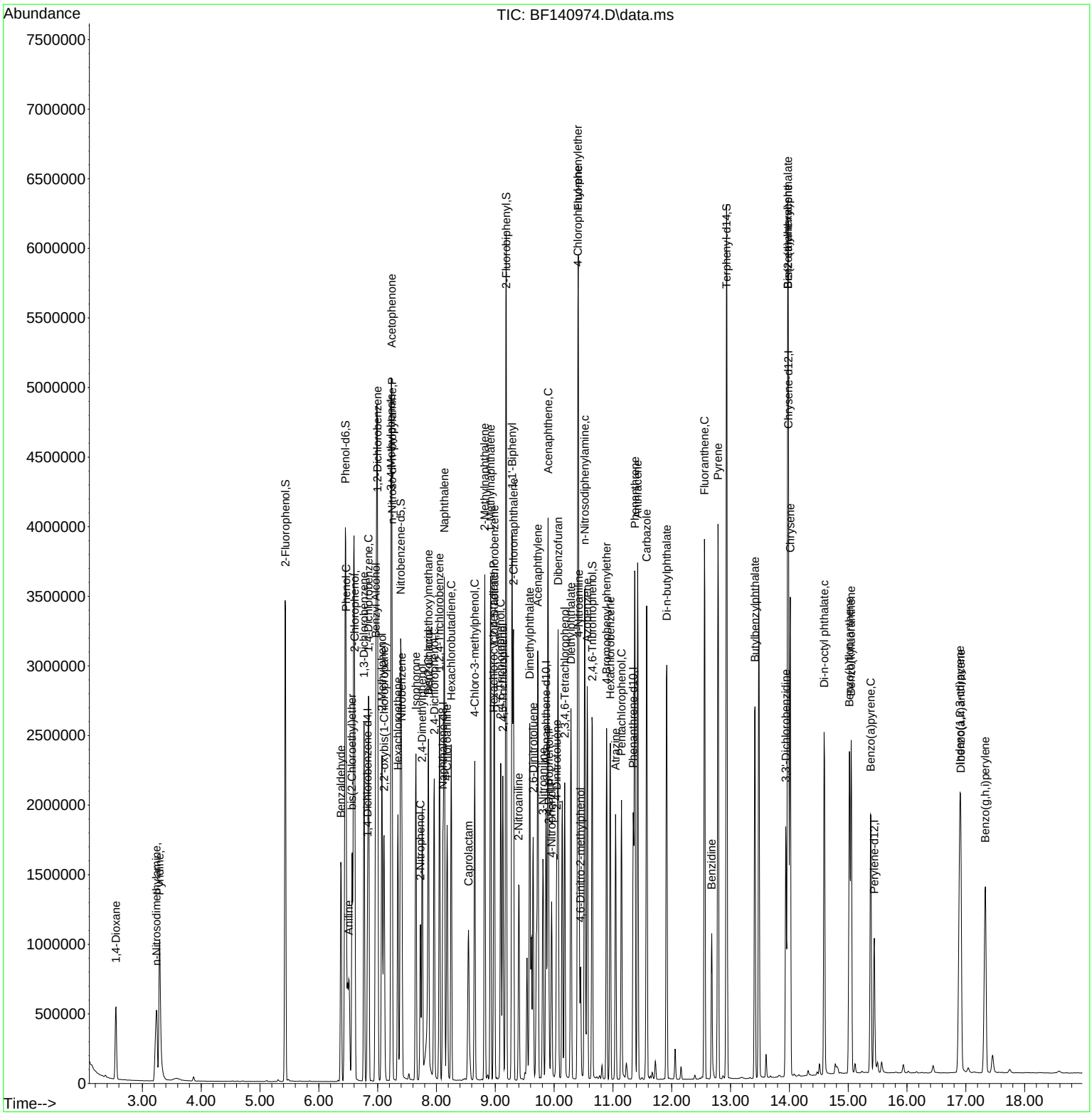
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140974.D
Acq On : 26 Dec 2024 18:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

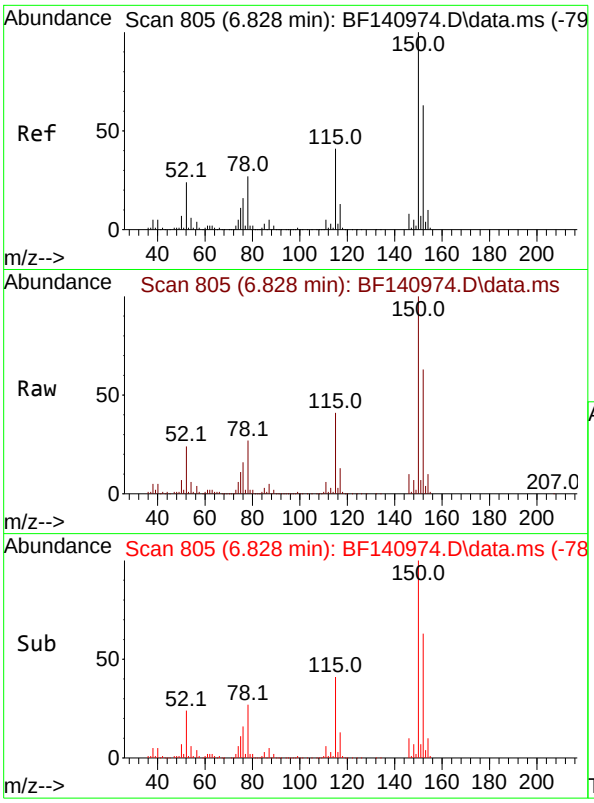
Quant Time: Dec 27 00:22:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

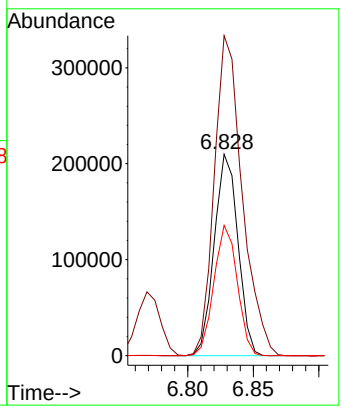




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:152 Resp: 26411

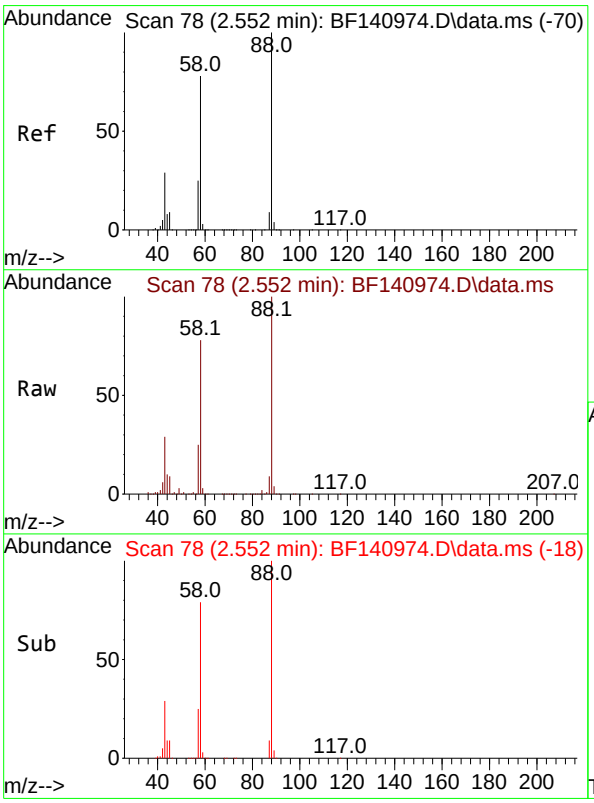
Ion	Ratio	Lower	Upper
152	100		
150	158.8	127.0	190.6
115	64.6	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

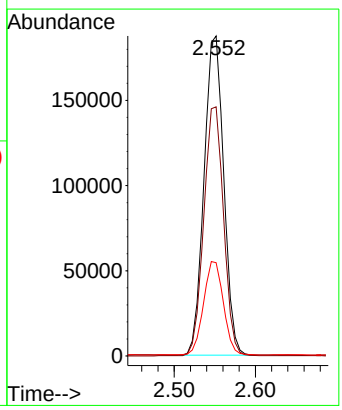
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

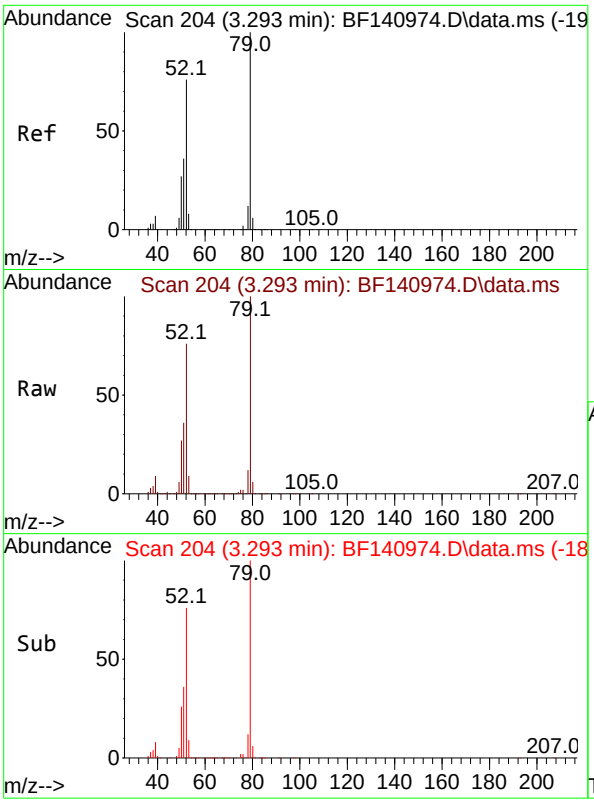


#2
1,4-Dioxane
Concen: 39.780 ng
RT: 2.552 min Scan# 78
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 88 Resp: 315557

Ion	Ratio	Lower	Upper
88	100		
58	78.7	63.0	94.4
43	29.3	23.4	35.2





#3
Pyridine
Concen: 39.166 ng
RT: 3.293 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

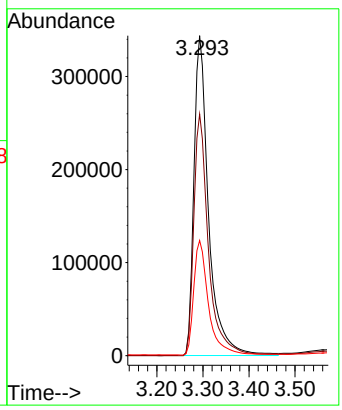
Tgt Ion: 79 Resp: 75926

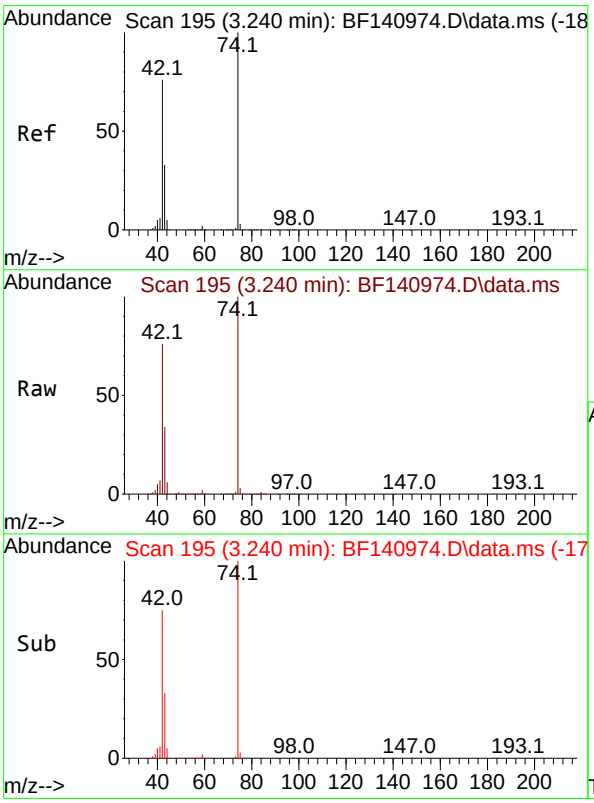
Ion	Ratio	Lower	Upper
79	100		
52	75.5	60.4	90.6
51	36.0	28.8	43.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

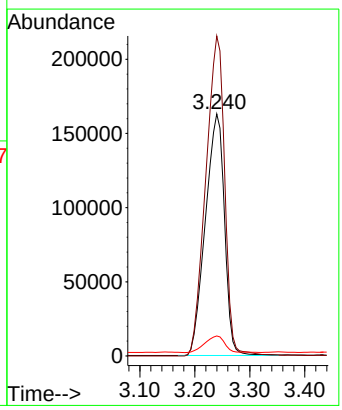


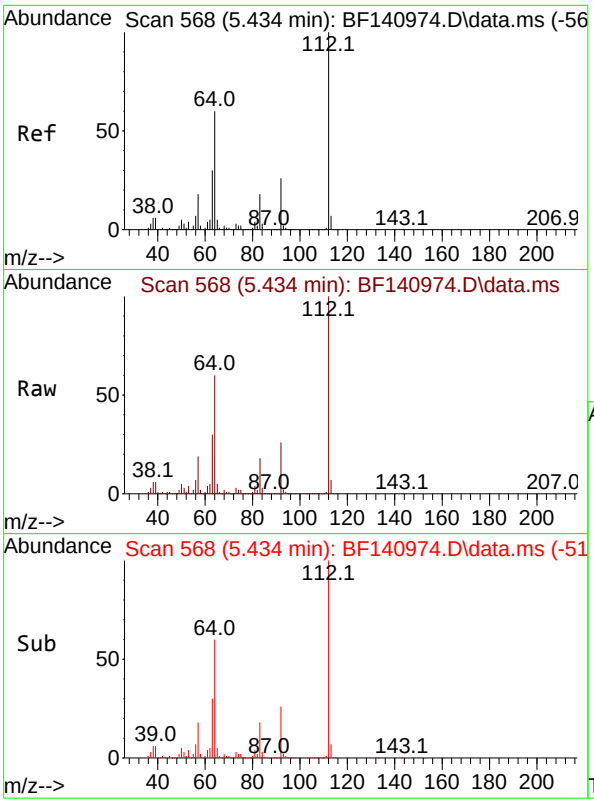


#4
n-Nitrosodimethylamine
Concen: 40.058 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 42 Resp: 393459

Ion	Ratio	Lower	Upper
42	100		
74	132.2	105.8	158.6
44	8.3	6.6	10.0





#5
2-Fluorophenol
Concen: 77.940 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

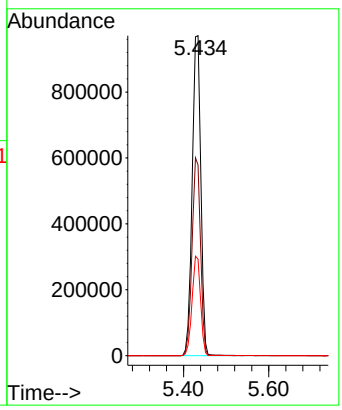
Tgt Ion:112 Resp: 136562

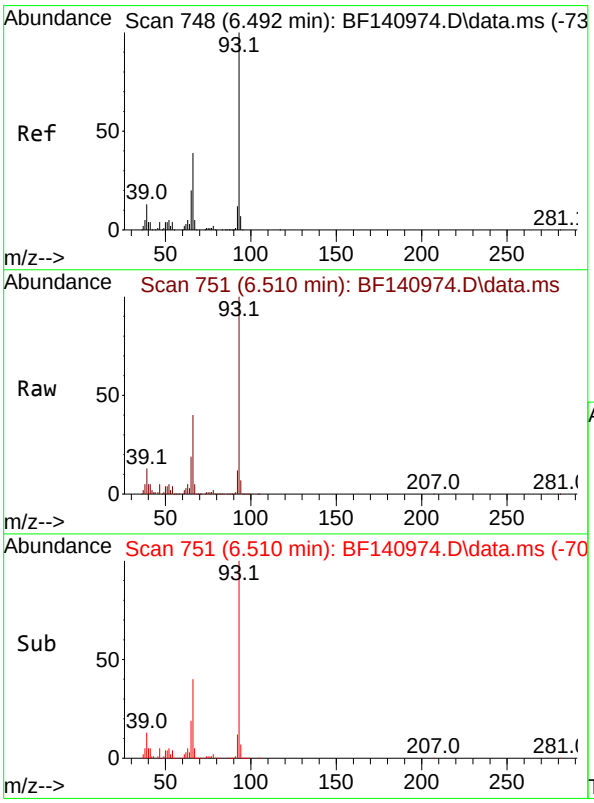
Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.7	71.5
63	30.2	24.2	36.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

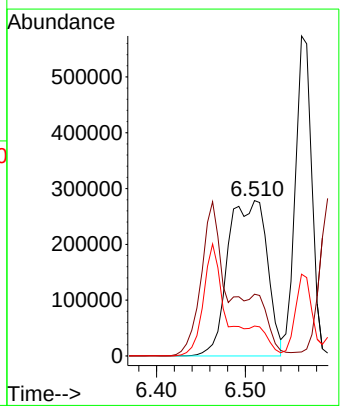


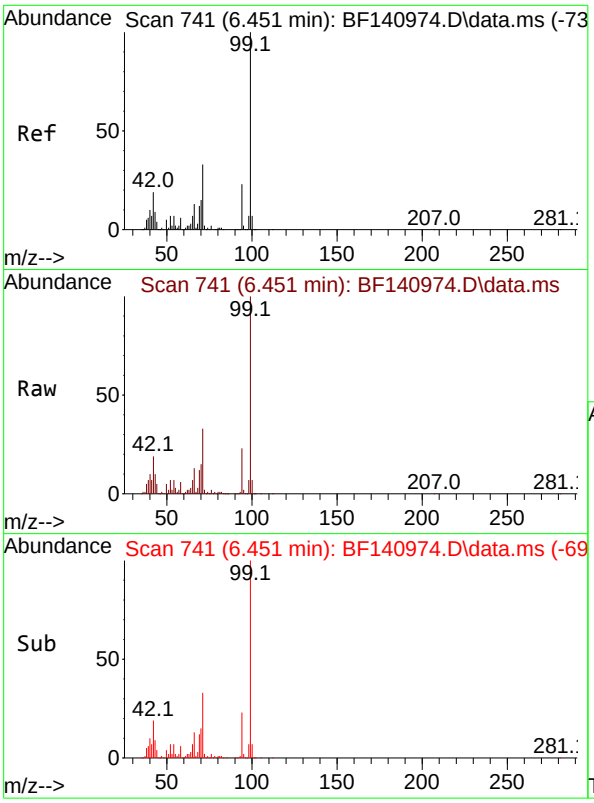


#6
Aniline
Concen: 42.382 ng m
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 93 Resp: 853180

Ion	Ratio	Lower	Upper
93	100		
66	39.8	31.8	47.8
65	19.2	15.4	23.0

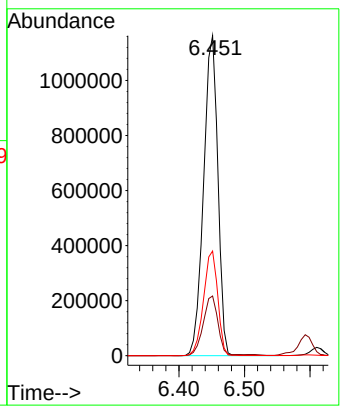




#7
Phenol-d6
Concen: 78.007 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 99 Resp: 176071

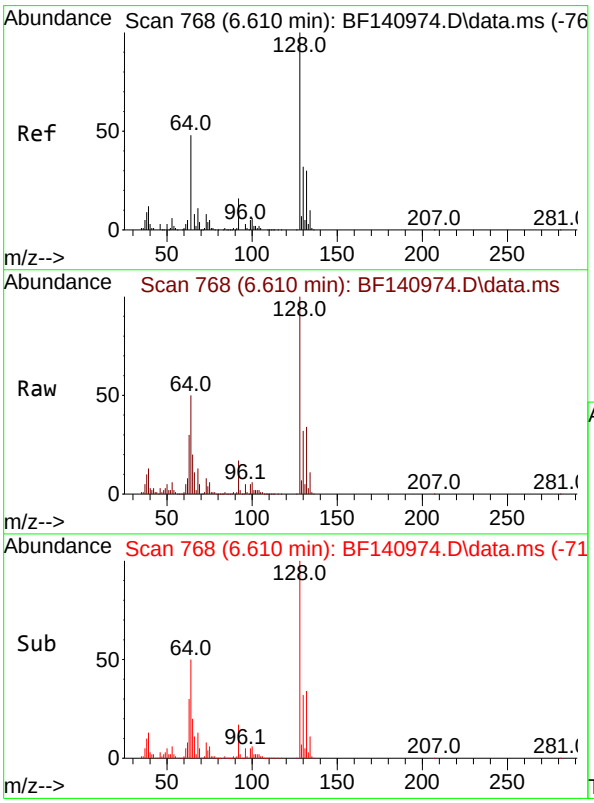
Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.4
71	32.7	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

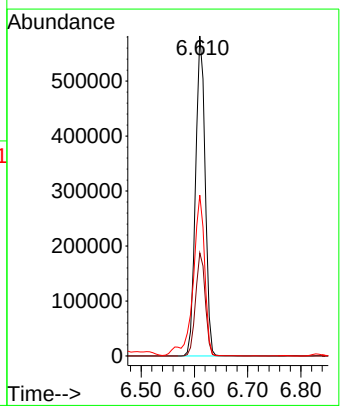
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

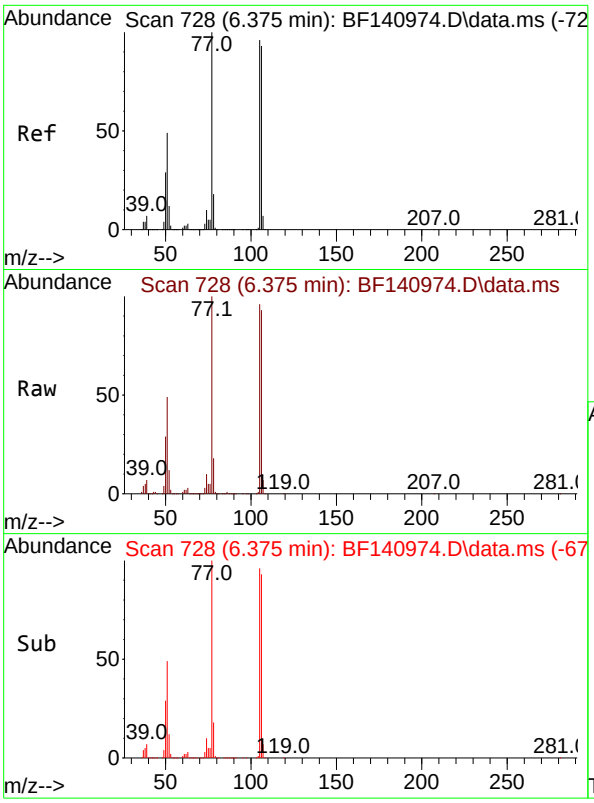


#8
2-Chlorophenol
Concen: 39.639 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:128 Resp: 732249

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.2	52.2
64	50.3	30.3	70.3

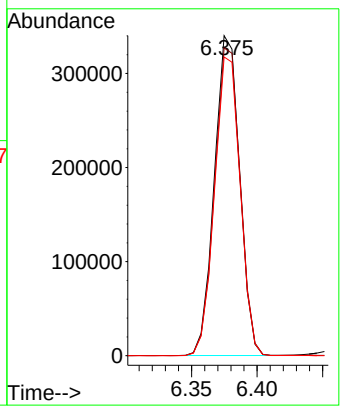




#9
Benzaldehyde
Concen: 41.536 ng
RT: 6.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 77 Resp: 45481

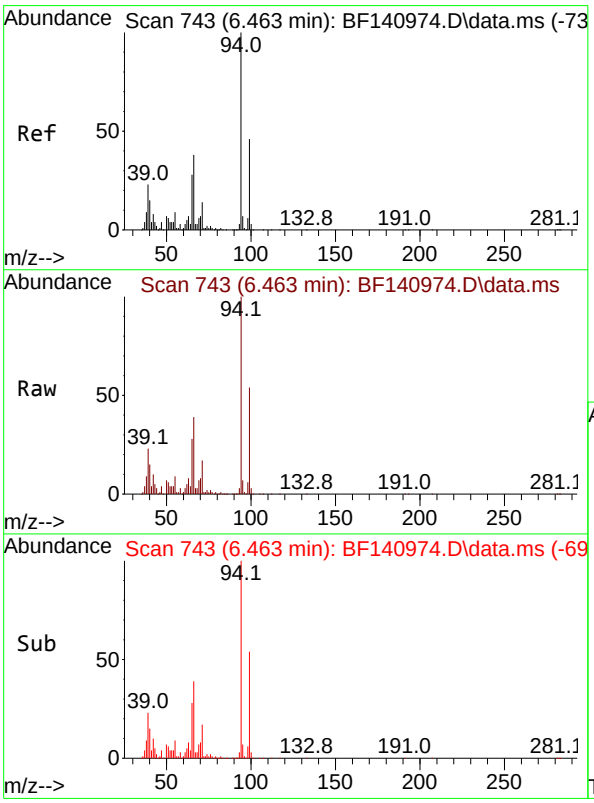
Ion	Ratio	Lower	Upper
77	100		
105	96.2	76.2	116.2
106	93.4	73.4	113.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

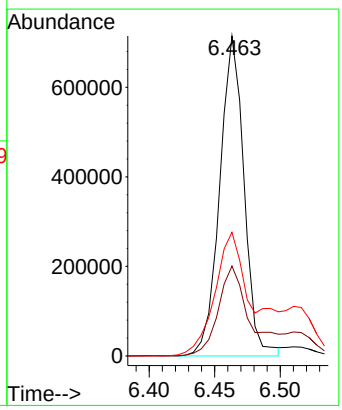
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

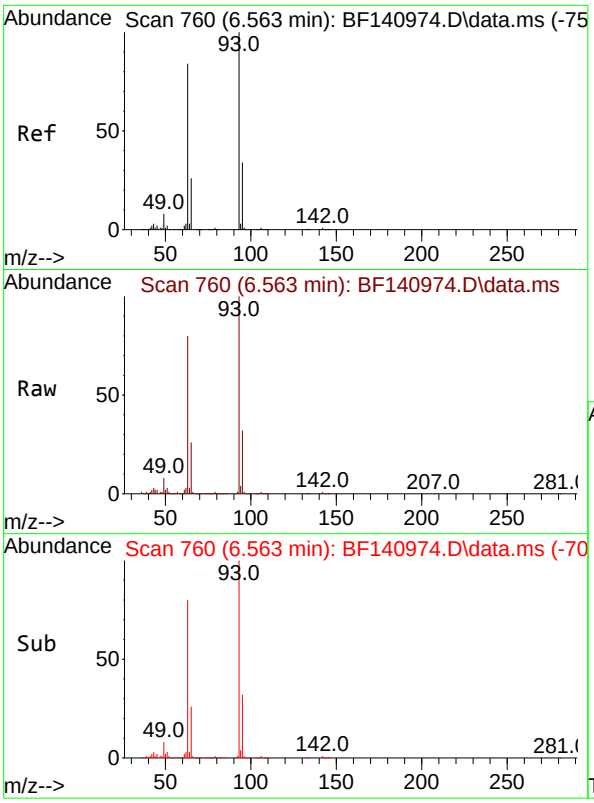


#10
Phenol
Concen: 39.471 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 94 Resp: 921228

Ion	Ratio	Lower	Upper
94	100		
65	28.1	8.1	48.1
66	38.7	18.7	58.7

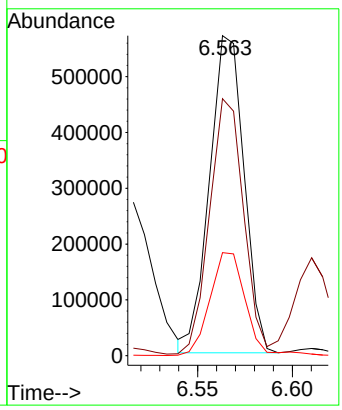




#11
bis(2-Chloroethyl)ether
Concen: 38.239 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 93 Resp: 71995

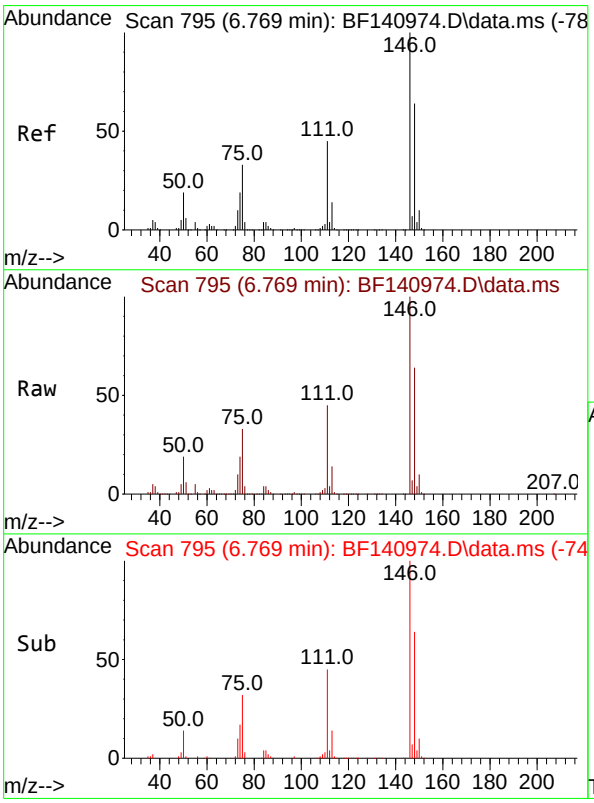
Ion	Ratio	Lower	Upper
93	100		
63	80.3	60.3	100.3
95	32.2	12.2	52.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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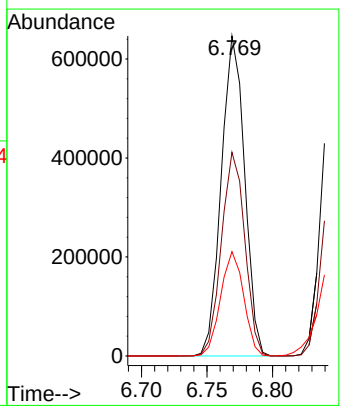
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

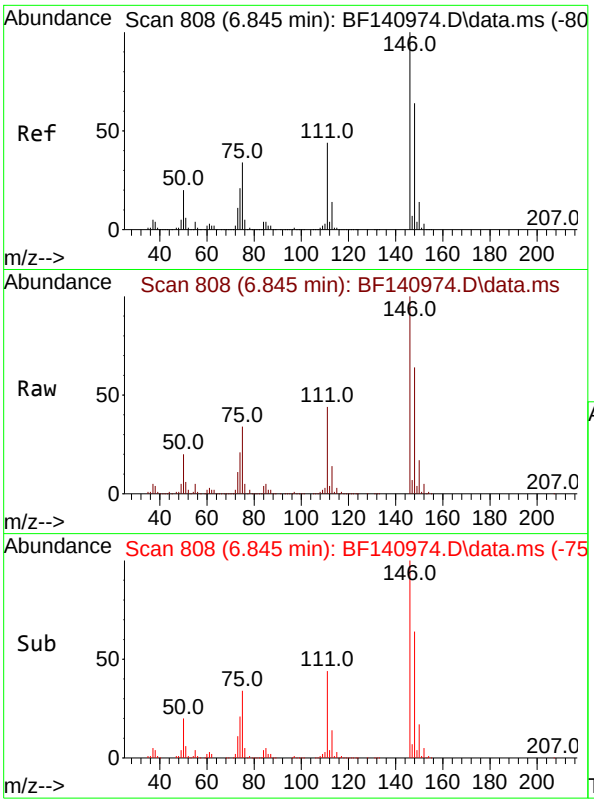


#12
1,3-Dichlorobenzene
Concen: 39.267 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:146 Resp: 800536

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
75	32.6	26.1	39.1

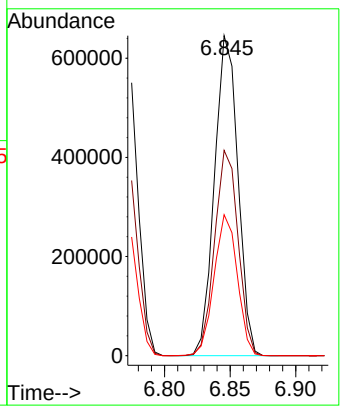




#13
1,4-Dichlorobenzene
Concen: 38.985 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:146 Resp: 80121

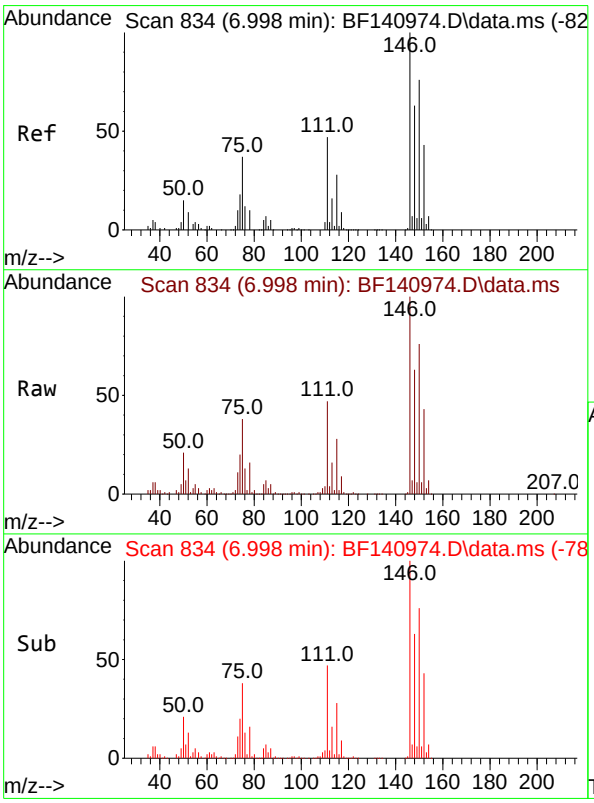
Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
111	44.1	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

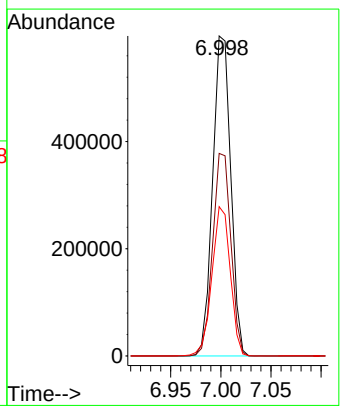
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

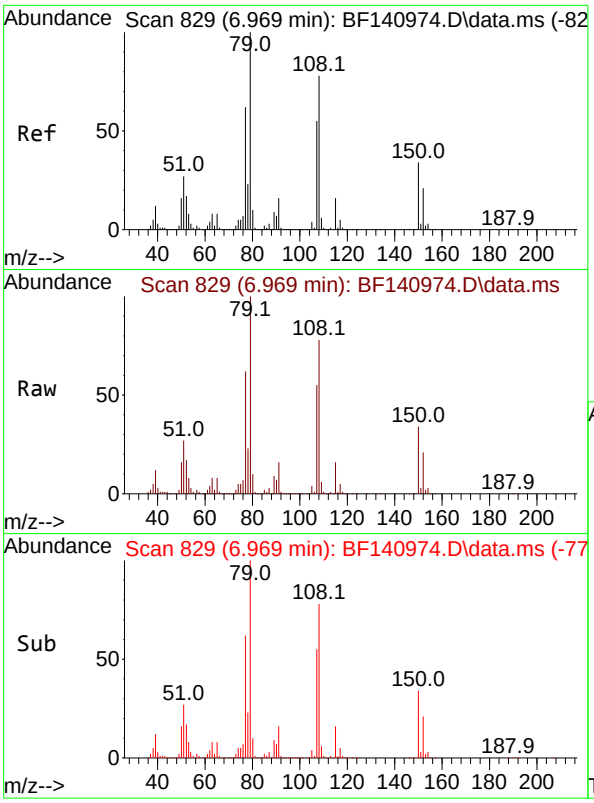


#14
1,2-Dichlorobenzene
Concen: 39.046 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:146 Resp: 748204

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
111	46.6	37.3	55.9

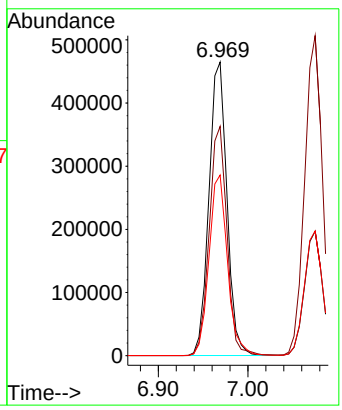




#15
Benzyl Alcohol
Concen: 39.926 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 79 Resp: 64759

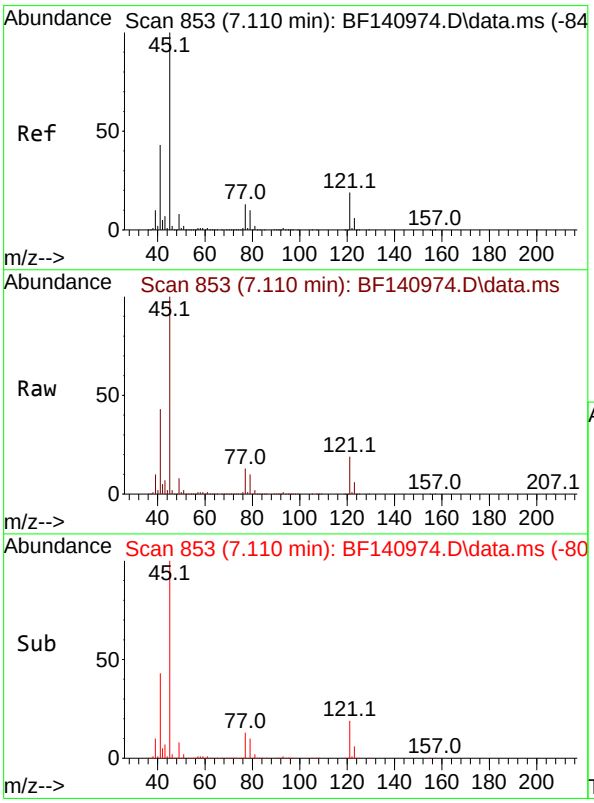
Ion	Ratio	Lower	Upper
79	100		
108	78.1	62.5	93.7
77	61.6	49.3	73.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

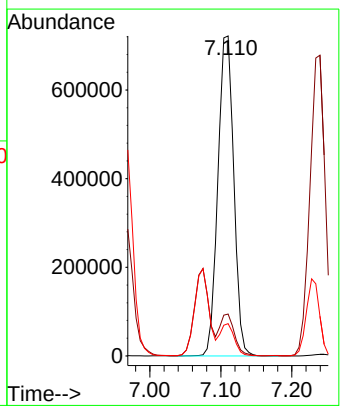
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

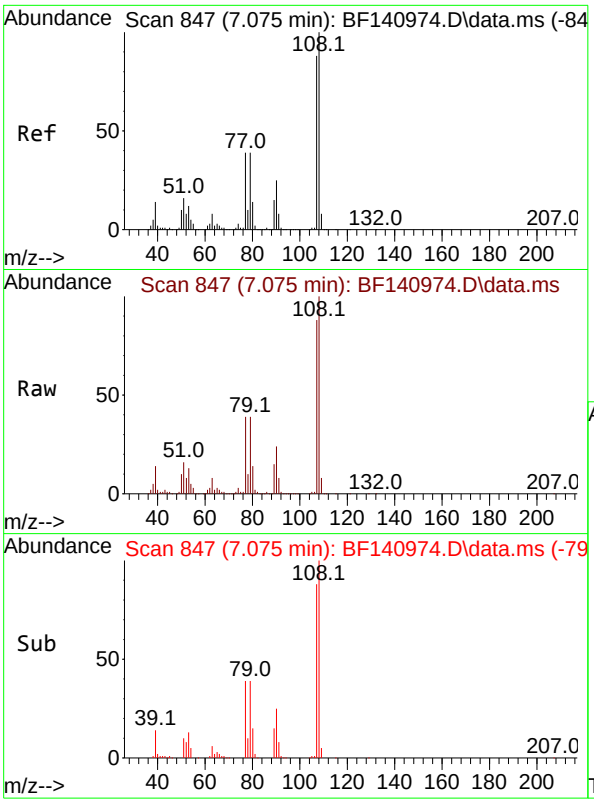


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.138 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 45 Resp: 1115398

Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	33.1
79	10.1	0.0	30.1

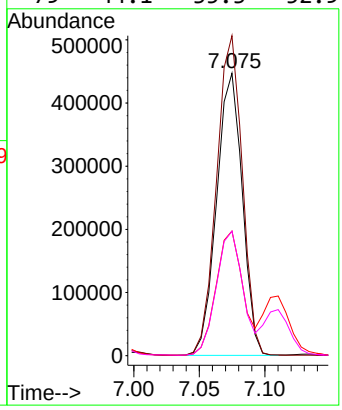




#17
2-Methylphenol
Concen: 39.632 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:107 Resp: 60822

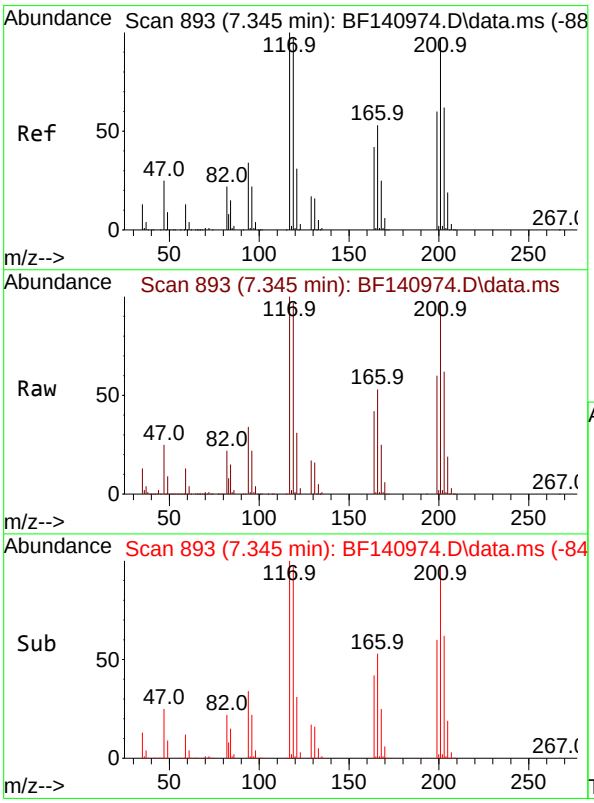
Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	136.0
77	44.1	35.3	52.9
79	44.1	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

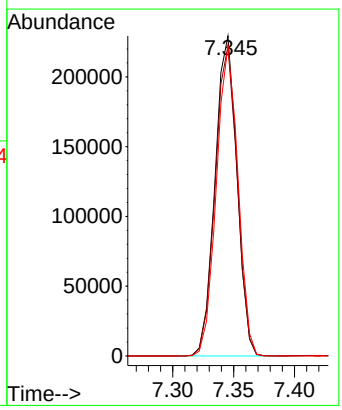
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

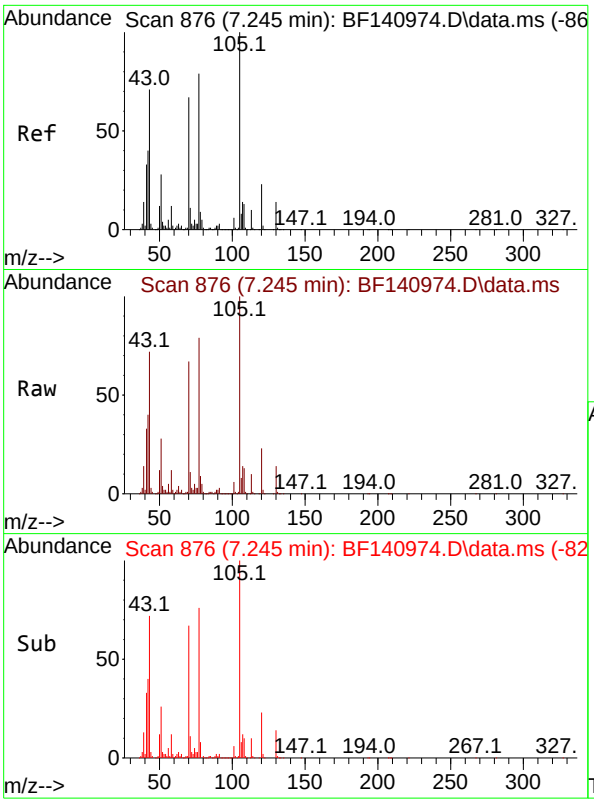


#18
Hexachloroethane
Concen: 39.351 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:117 Resp: 287289

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
201	96.8	77.4	116.2

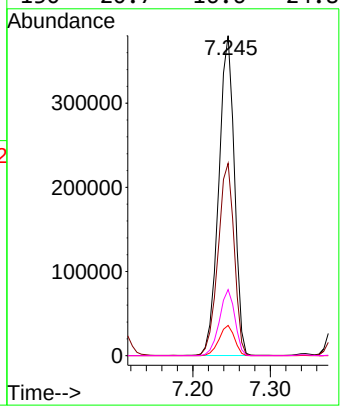




#19
n-Nitroso-di-n-propylamine
Concen: 38.493 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 70 Resp: 53228

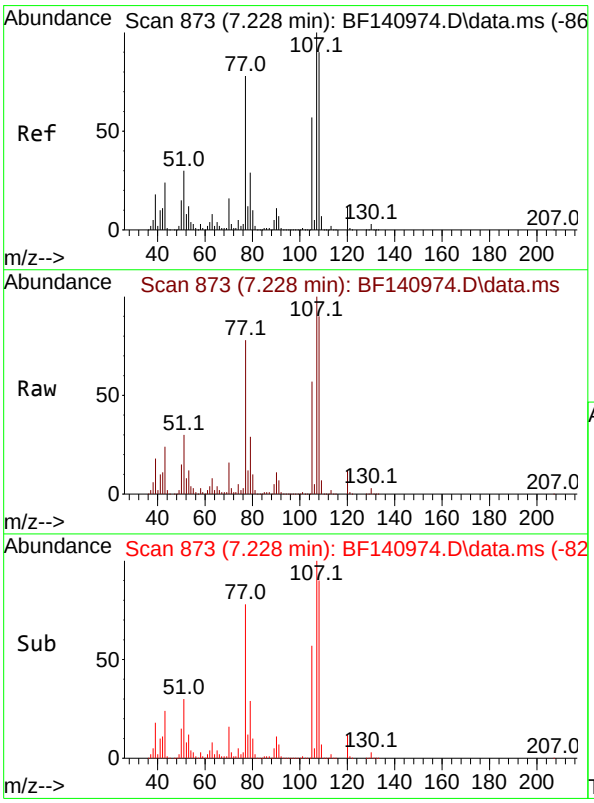
Ion	Ratio	Lower	Upper
70	100		
42	60.1	48.1	72.1
101	9.5	7.6	11.4
130	20.7	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

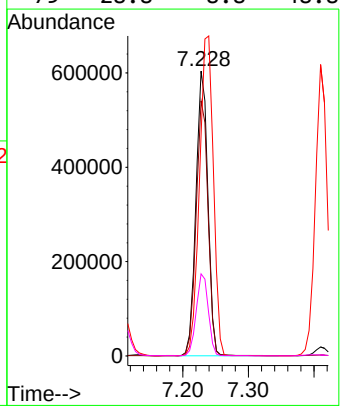
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

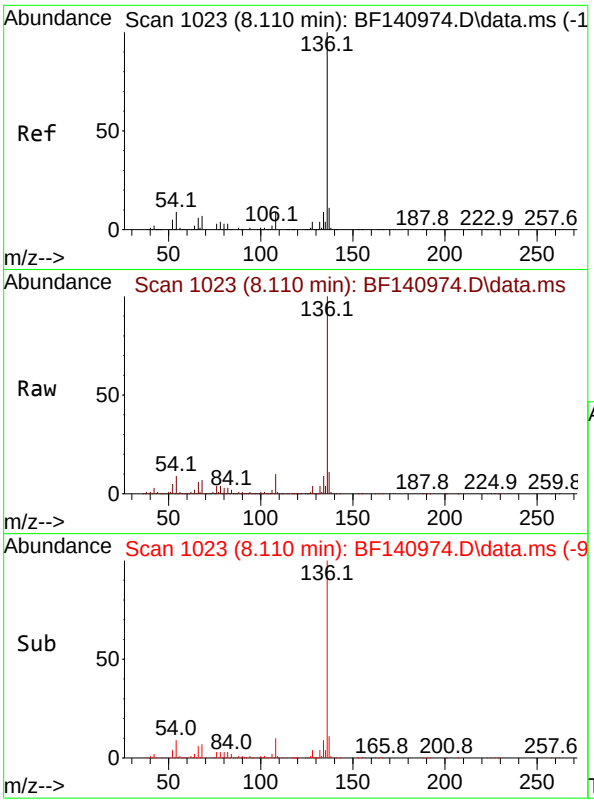


#20
3+4-Methylphenols
Concen: 39.481 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:107 Resp: 766762

Ion	Ratio	Lower	Upper
107	100		
108	89.6	69.6	109.6
77	77.6	57.6	97.6
79	28.8	8.8	48.8

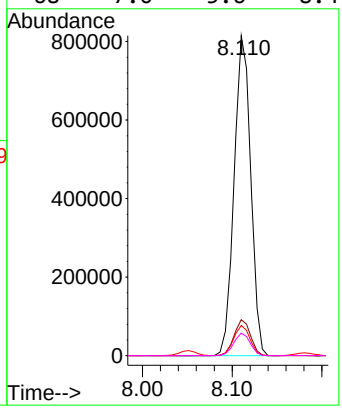




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:136 Resp: 104701(

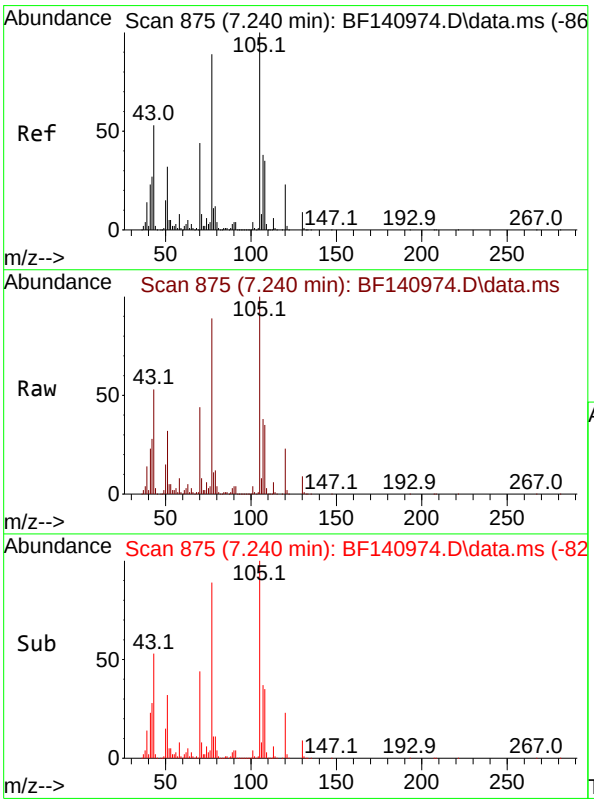
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.5	7.6	11.4
68	7.0	5.6	8.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

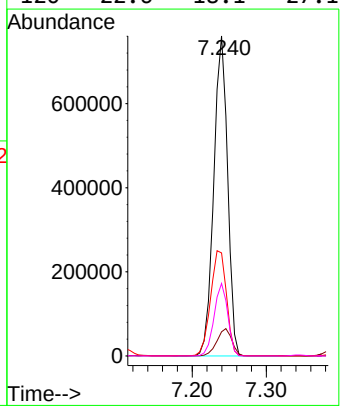
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

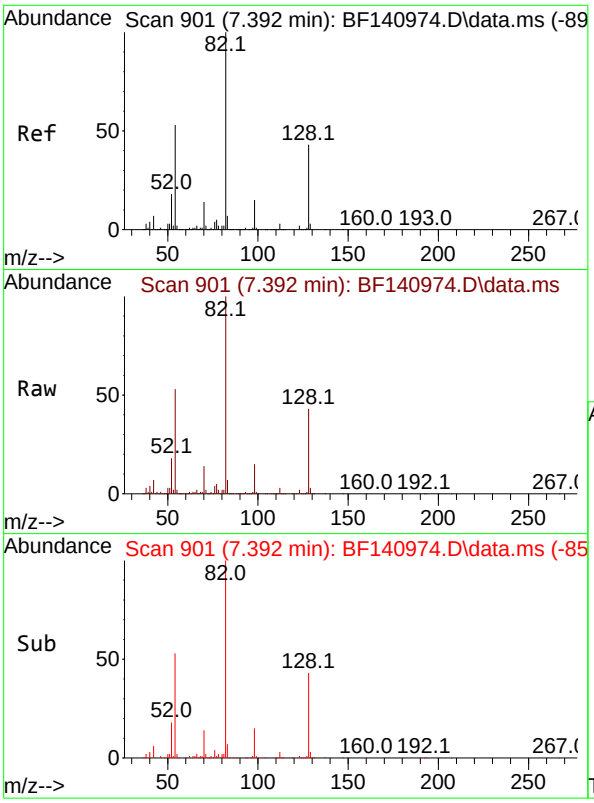


#22
Acetophenone
Concen: 38.304 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:105 Resp: 983828

Ion	Ratio	Lower	Upper
105	100		
71	7.6	6.1	9.1
51	32.2	25.8	38.6
120	22.6	18.1	27.1

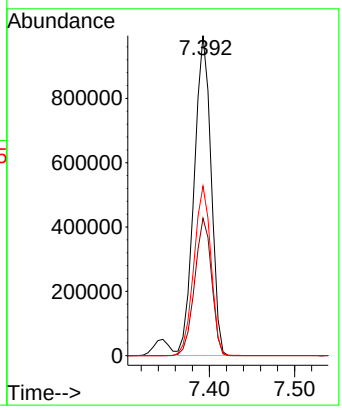




#23
Nitrobenzene-d5
Concen: 83.588 ng
RT: 7.392 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 82 Resp: 136794(

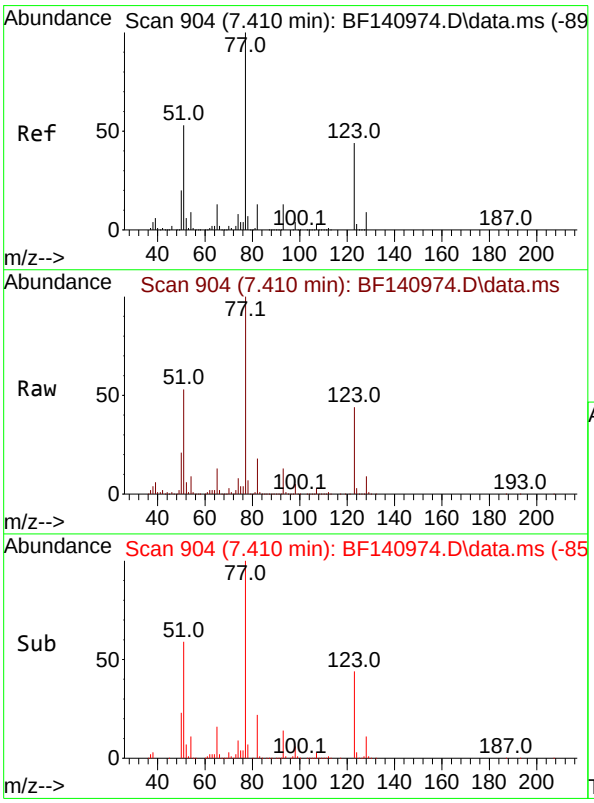
Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.4	51.6
54	53.0	42.4	63.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

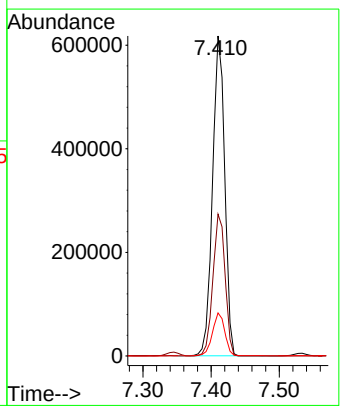
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

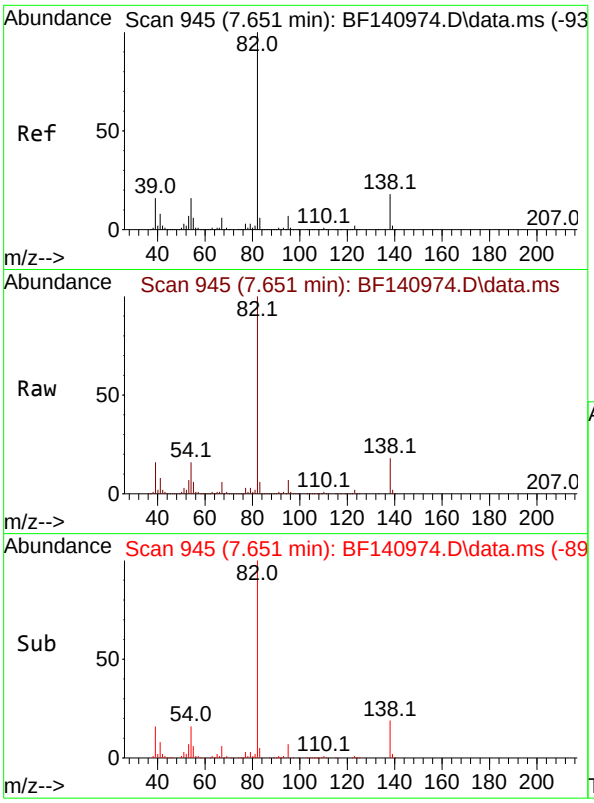


#24
Nitrobenzene
Concen: 41.970 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 77 Resp: 767486

Ion	Ratio	Lower	Upper
77	100		
123	44.3	35.4	53.2
65	13.4	10.7	16.1

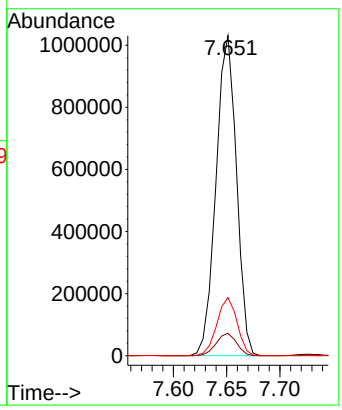




#25
Isophorone
Concen: 38.606 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 82 Resp: 137482

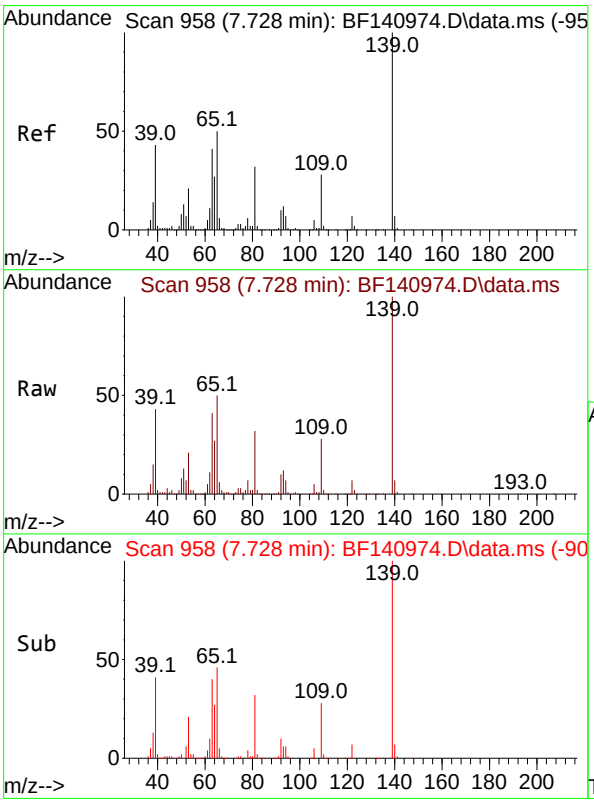
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	18.2	14.6	21.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

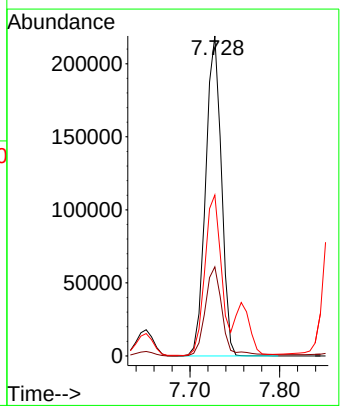
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

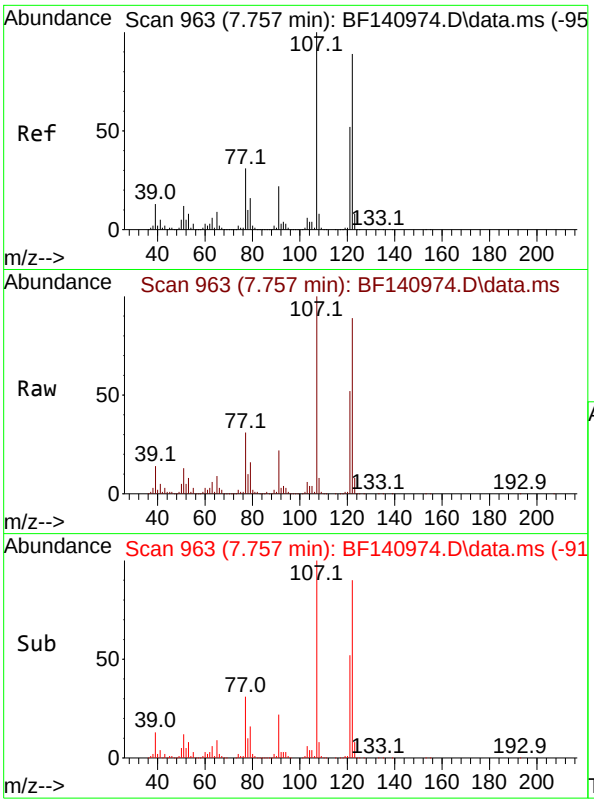


#26
2-Nitrophenol
Concen: 36.900 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:139 Resp: 266201

Ion	Ratio	Lower	Upper
139	100		
109	27.8	22.2	33.4
65	50.3	40.2	60.4

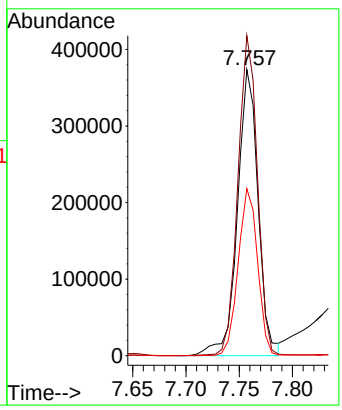




#27
2,4-Dimethylphenol
Concen: 38.853 ng
RT: 7.757 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:122 Resp: 50567(

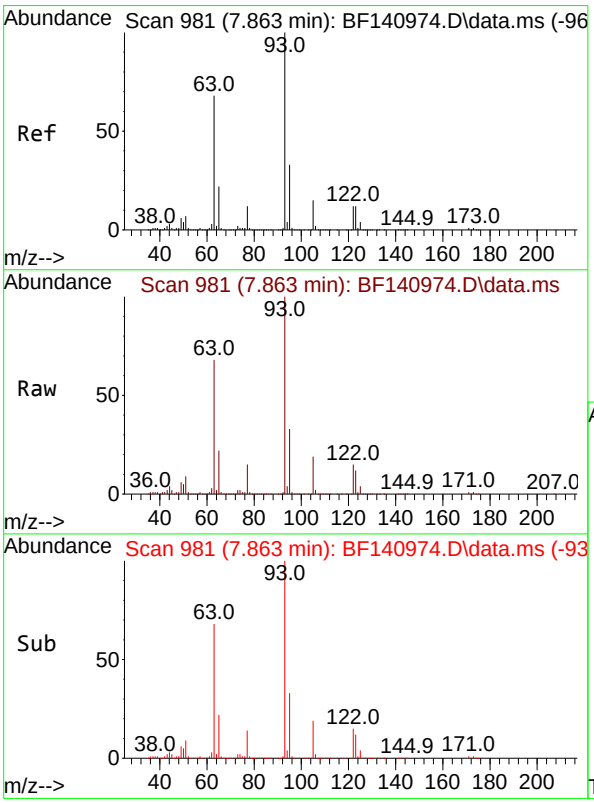
Ion	Ratio	Lower	Upper
122	100		
107	111.8	89.4	134.2
121	58.4	46.7	70.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

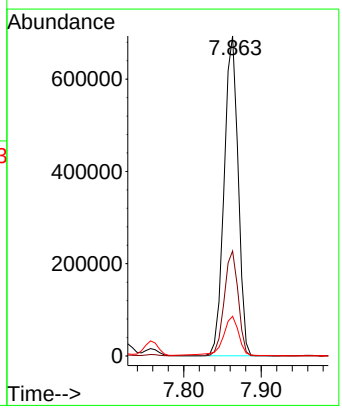
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

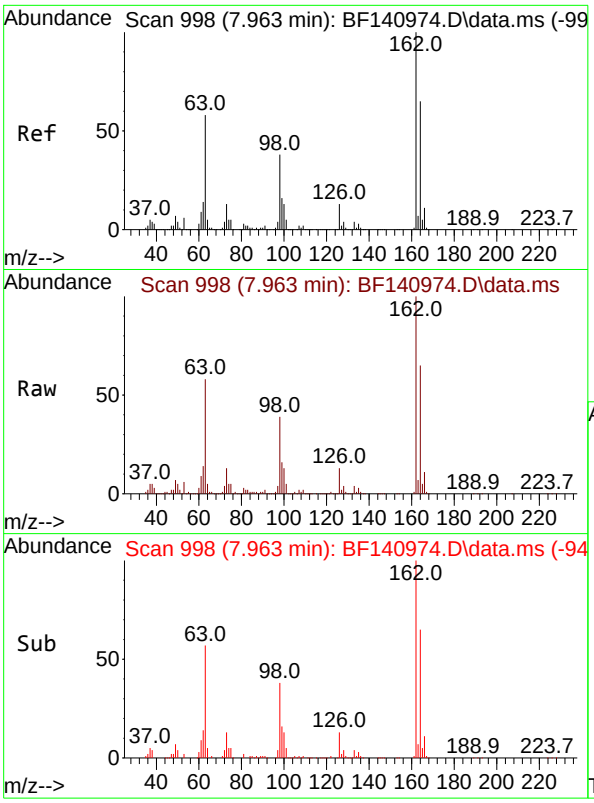


#28
bis(2-Chloroethoxy)methane
Concen: 38.540 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 93 Resp: 869568

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	12.4	9.9	14.9





#29
2,4-Dichlorophenol
Concen: 39.440 ng
RT: 7.963 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

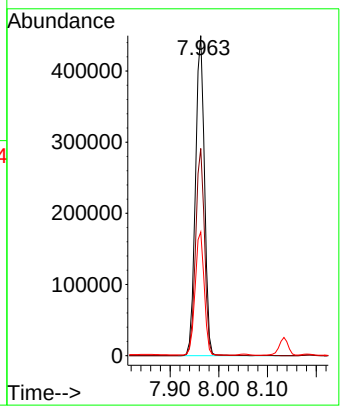
Tgt Ion:162 Resp: 58216

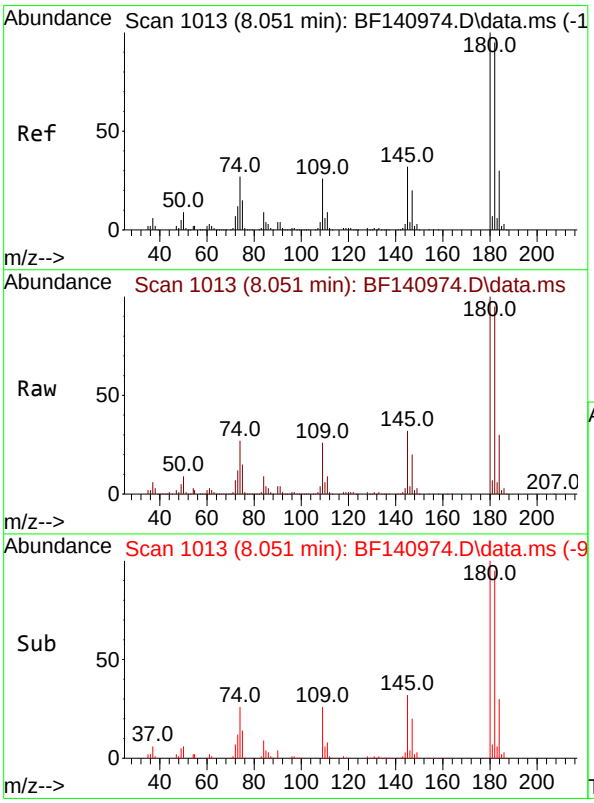
Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.8	84.8
98	38.6	18.6	58.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

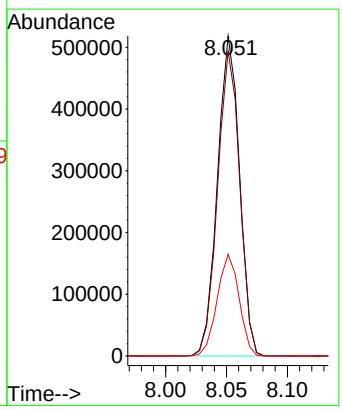


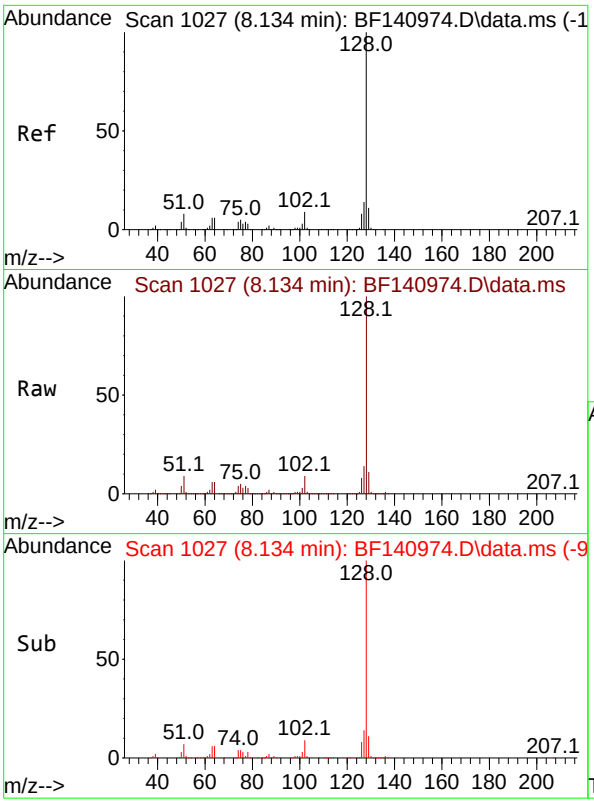


#30
1,2,4-Trichlorobenzene
Concen: 39.147 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:180 Resp: 654033

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	31.8	25.4	38.2

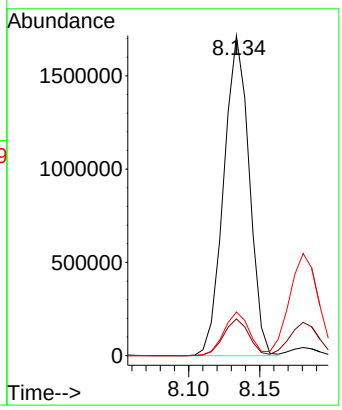




#31
Naphthalene
Concen: 38.718 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:128 Resp: 213613

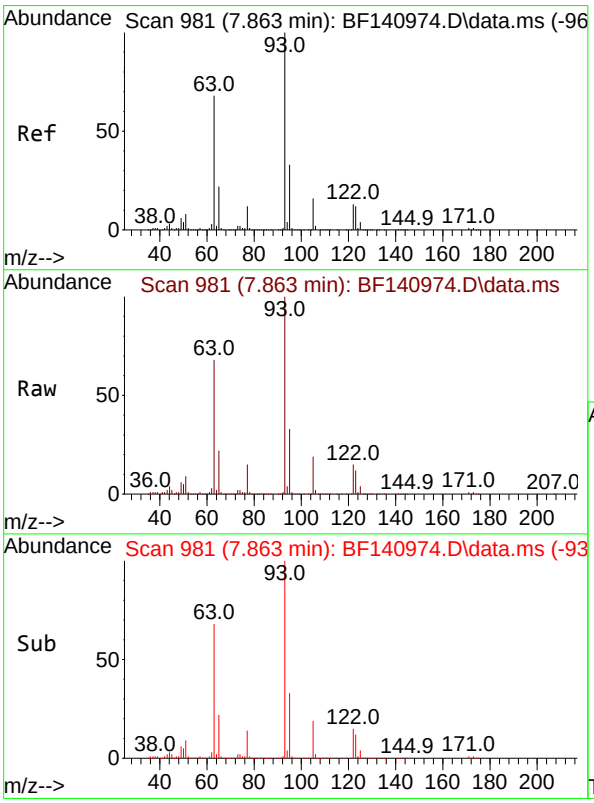
Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.7	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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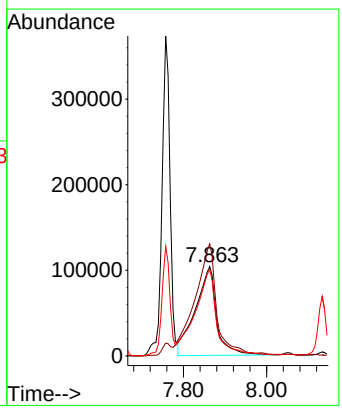
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

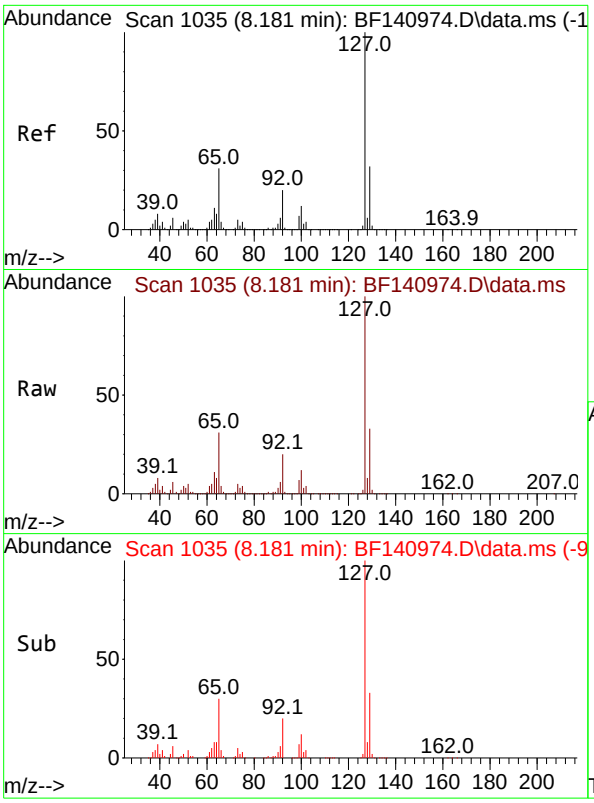


#32
Benzoic acid
Concen: 36.912 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:122 Resp: 372684

Ion	Ratio	Lower	Upper
122	100		
105	125.4	105.4	145.4
77	96.4	76.4	116.4

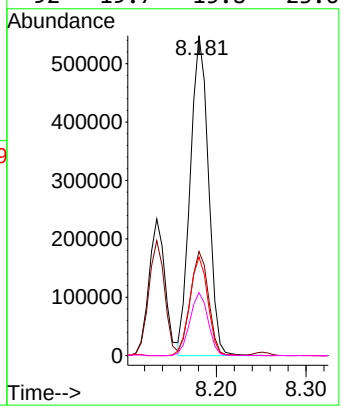




#33
4-Chloroaniline
Concen: 38.482 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:127 Resp: 76806

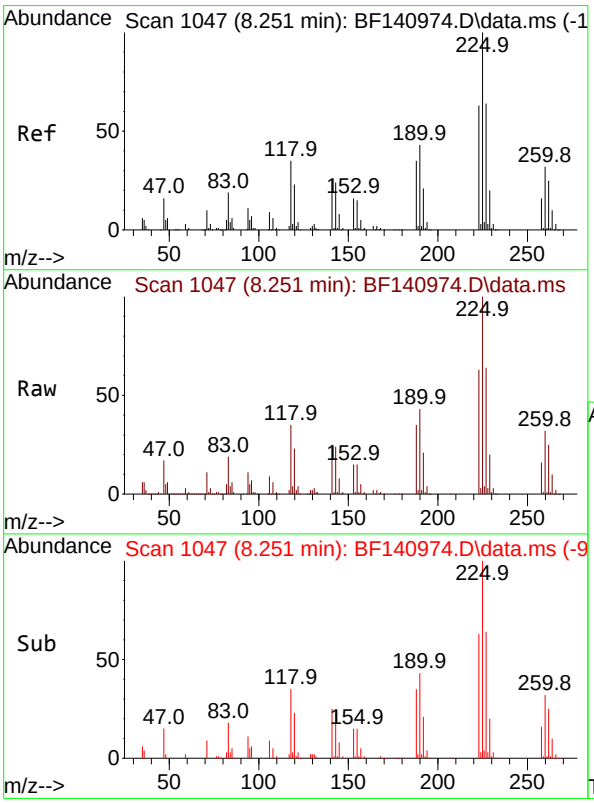
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	30.8	24.6	37.0
92	19.7	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

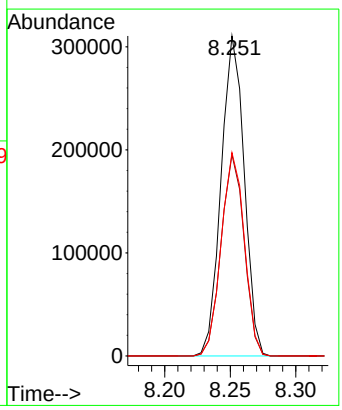
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

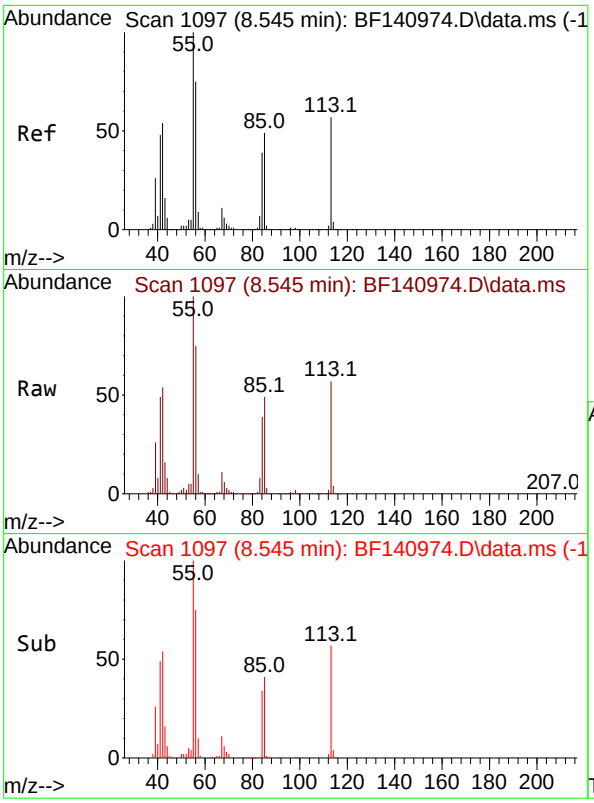


#34
Hexachlorobutadiene
Concen: 38.591 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:225 Resp: 380095

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	63.5	50.8	76.2

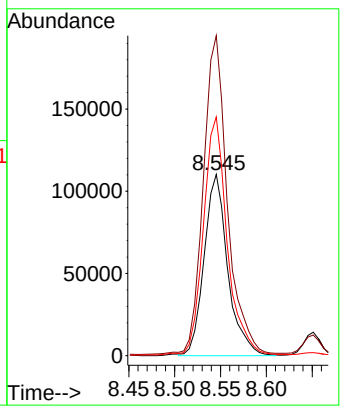




#35
Caprolactam
Concen: 39.375 ng m
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:113 Resp: 19760

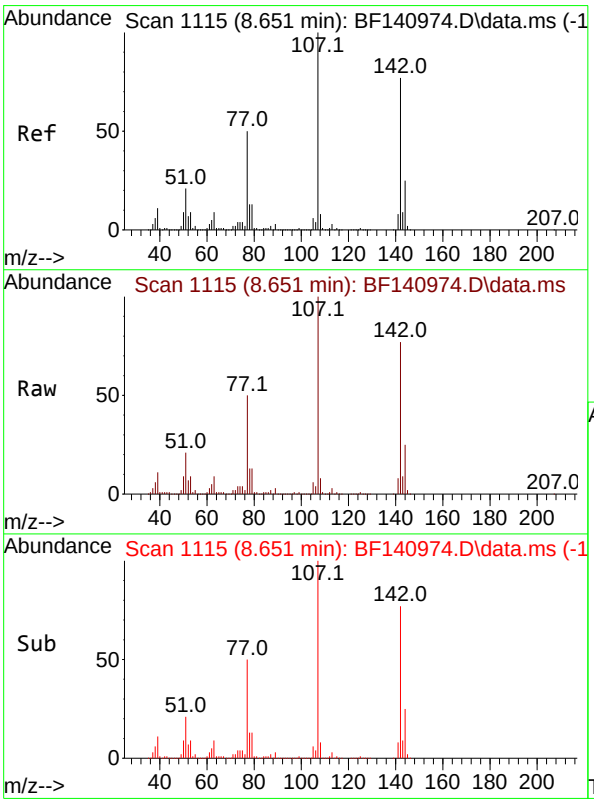
Ion	Ratio	Lower	Upper
113	100		
55	176.6	156.6	196.6
56	131.7	111.7	151.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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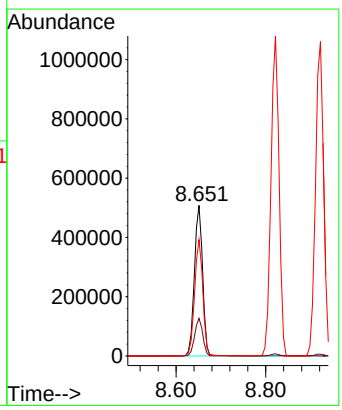
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

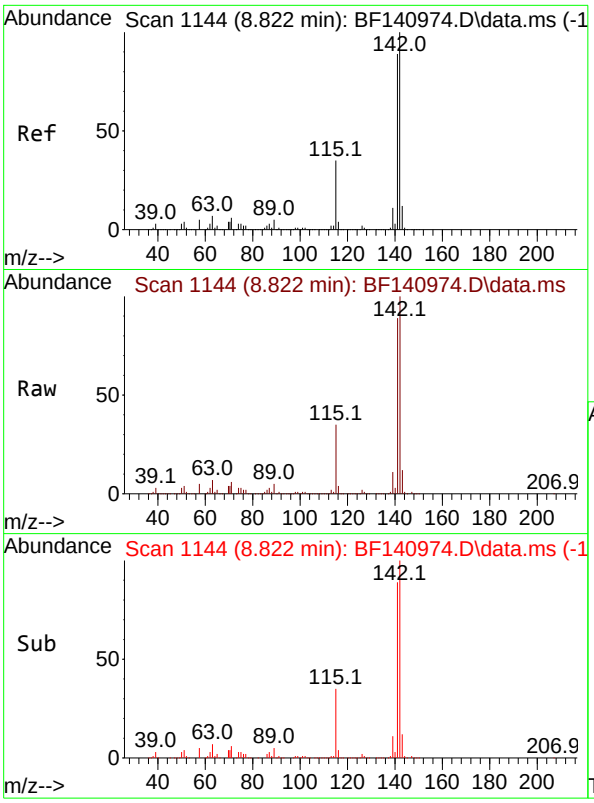


#36
4-Chloro-3-methylphenol
Concen: 39.434 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:107 Resp: 646441

Ion	Ratio	Lower	Upper
107	100		
144	24.9	19.9	29.9
142	77.3	61.8	92.8





#37
2-Methylnaphthalene
Concen: 38.077 ng
RT: 8.822 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

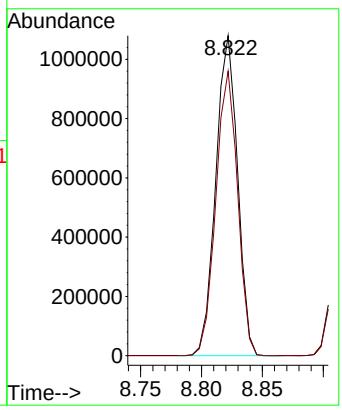
Tgt Ion:142 Resp: 134394

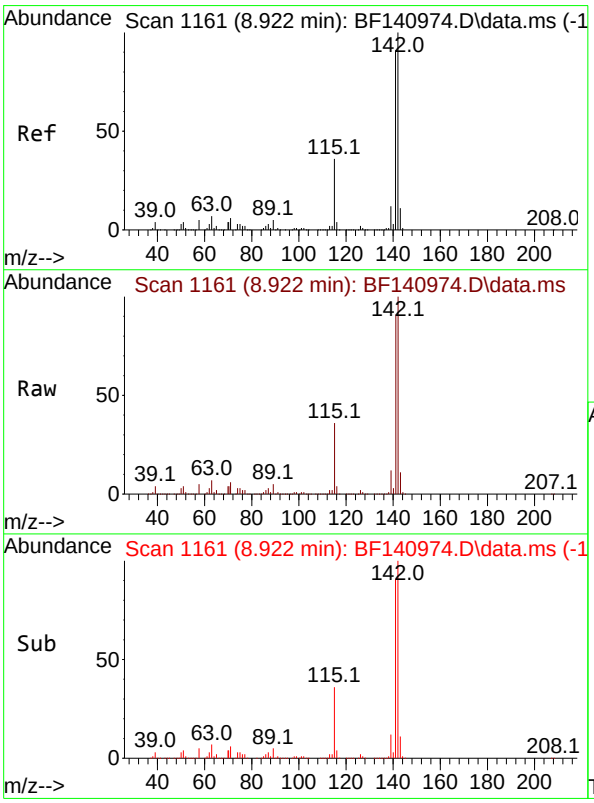
Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.1	106.7

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

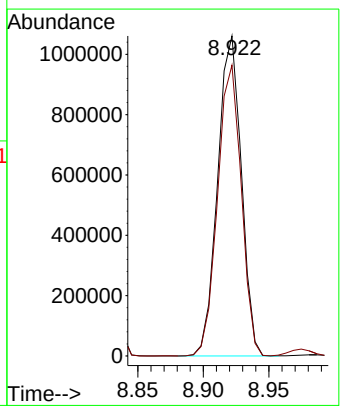


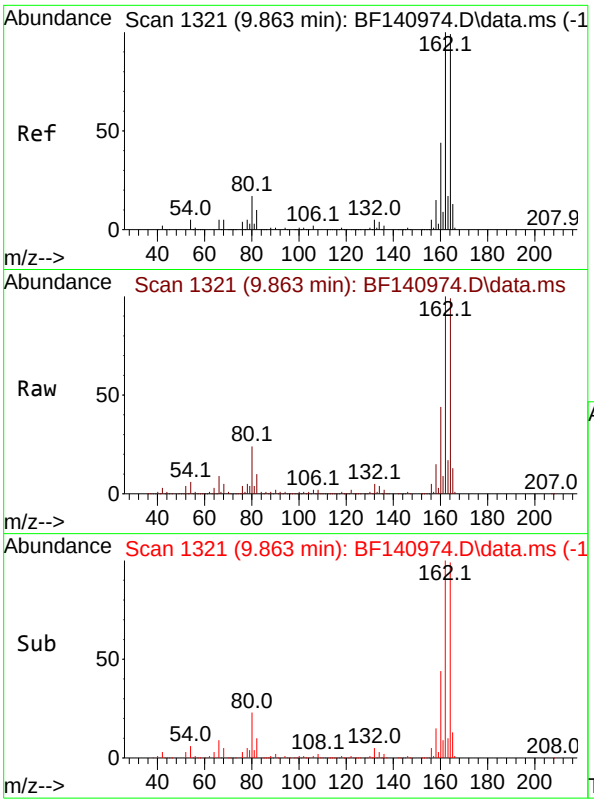


#38
1-Methylnaphthalene
Concen: 38.354 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:142 Resp: 1330393

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.7	109.1

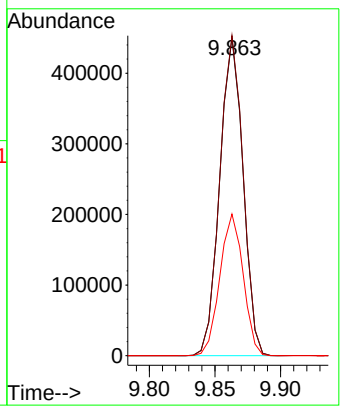




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:164 Resp: 55539

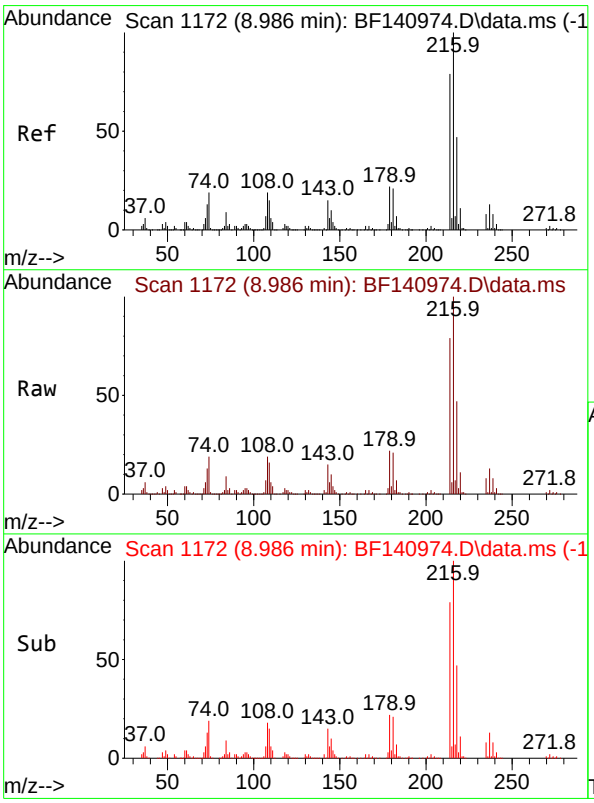
Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.6	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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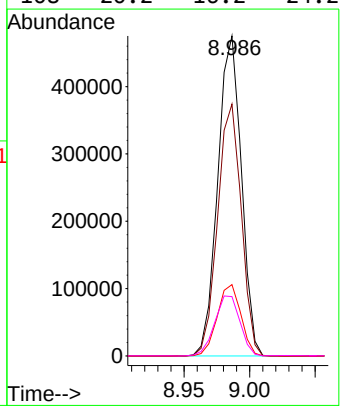
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

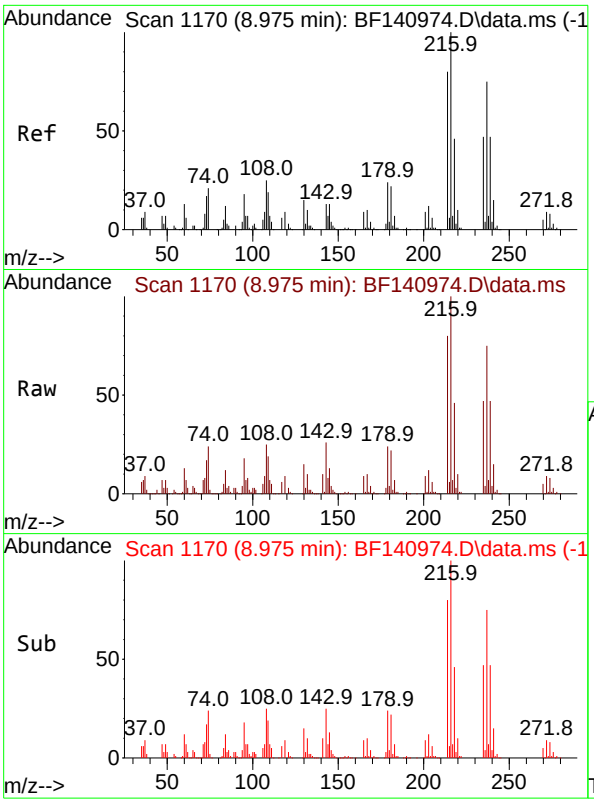


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.917 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:216 Resp: 594643

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.6
179	22.4	17.9	26.9
108	20.2	16.2	24.2





#41
Hexachlorocyclopentadiene
Concen: 40.922 ng
RT: 8.975 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

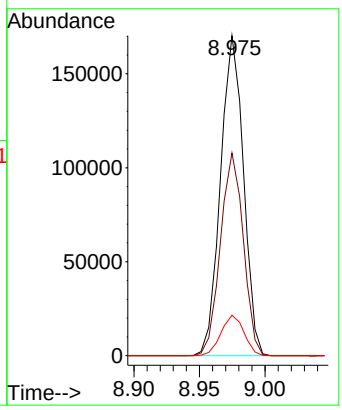
Tgt Ion:237 Resp: 20720

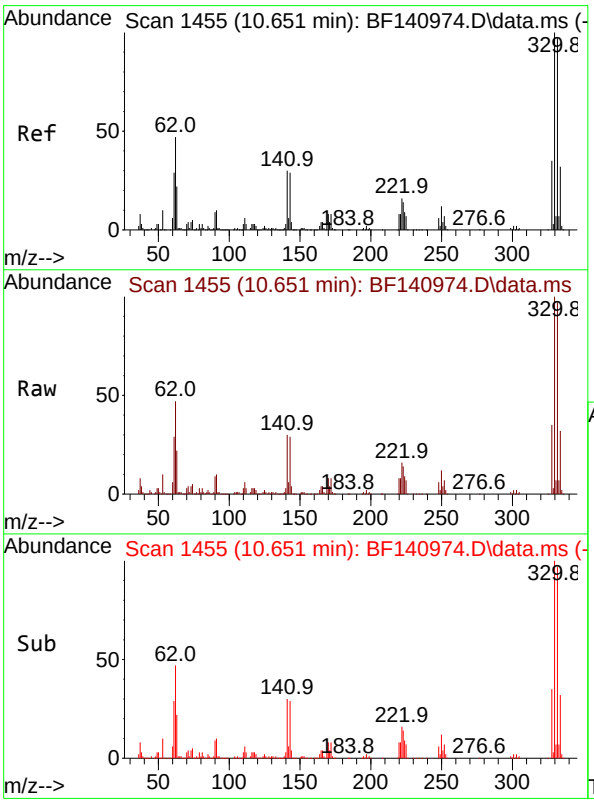
Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.4	83.4
272	12.6	0.0	32.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

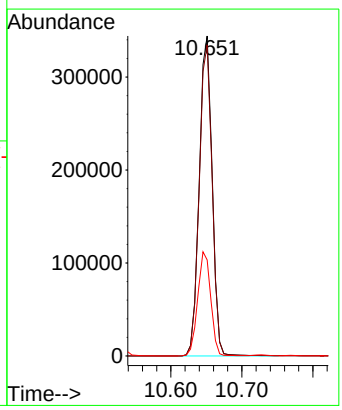


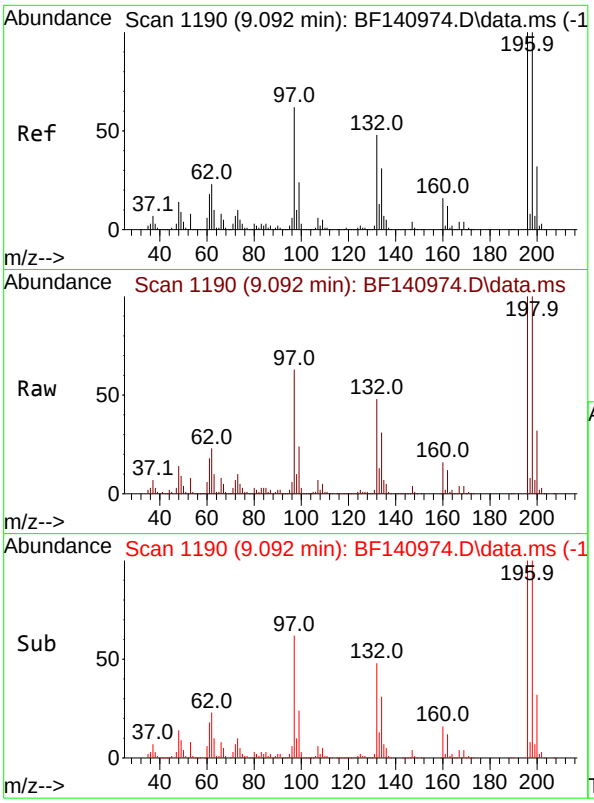


#42
2,4,6-Tribromophenol
Concen: 80.733 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:330 Resp: 435705

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	33.0	26.4	39.6

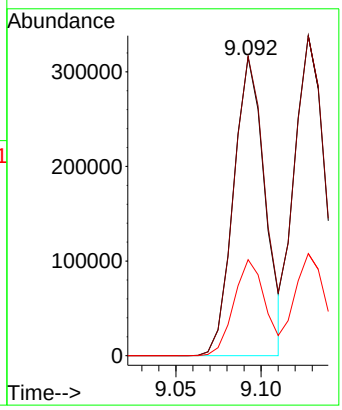




#43
2,4,6-Trichlorophenol
Concen: 39.741 ng
RT: 9.092 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:196 Resp: 40414

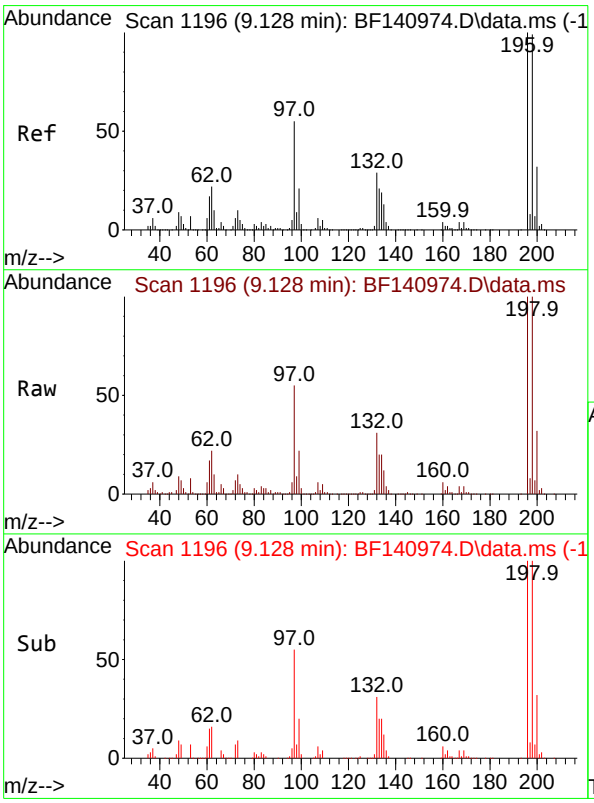
Ion	Ratio	Lower	Upper
196	100		
198	100.3	80.2	120.4
200	32.2	25.8	38.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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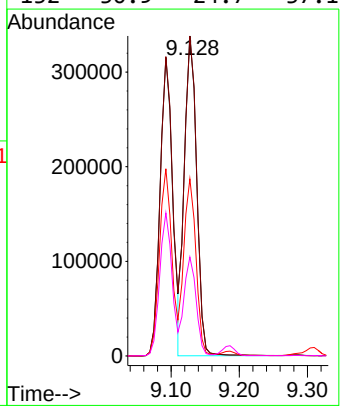
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

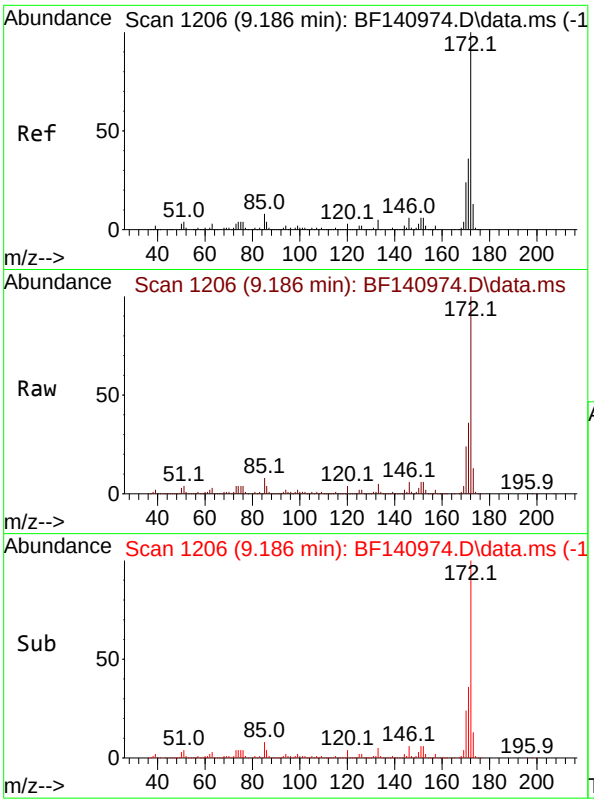


#44
2,4,5-Trichlorophenol
Concen: 40.562 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:196 Resp: 422062

Ion	Ratio	Lower	Upper
196	100		
198	99.9	79.9	119.9
97	55.4	44.3	66.5
132	30.9	24.7	37.1

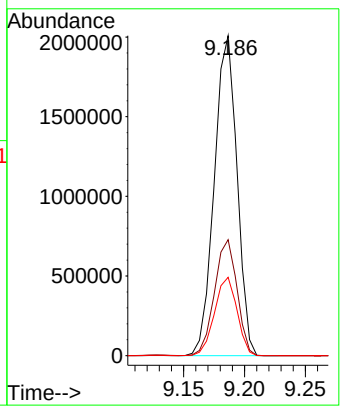




#45
2-Fluorobiphenyl
Concen: 74.872 ng
RT: 9.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:172 Resp: 261002

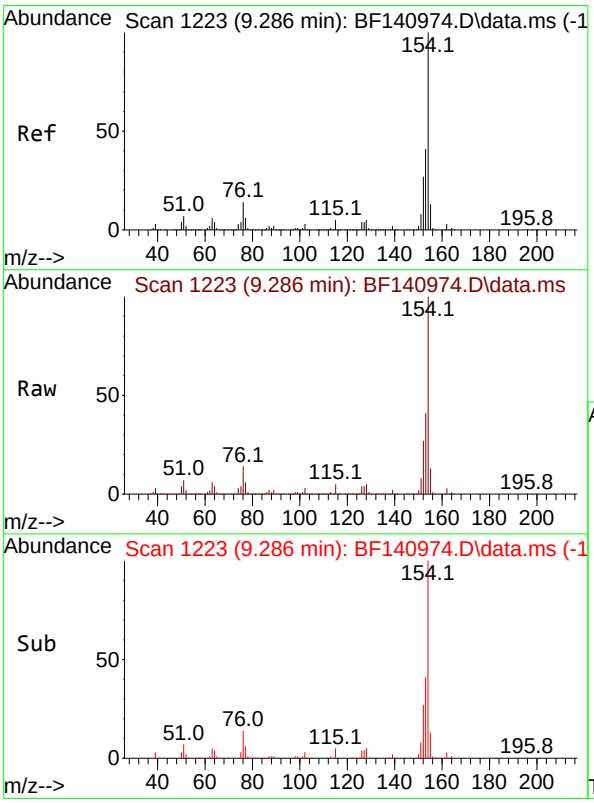
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.5	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

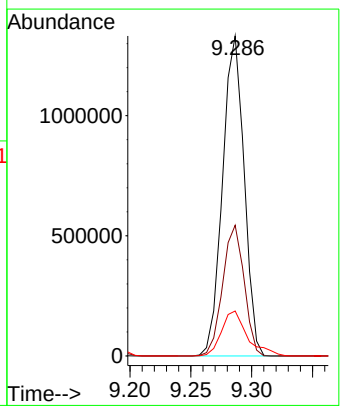
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

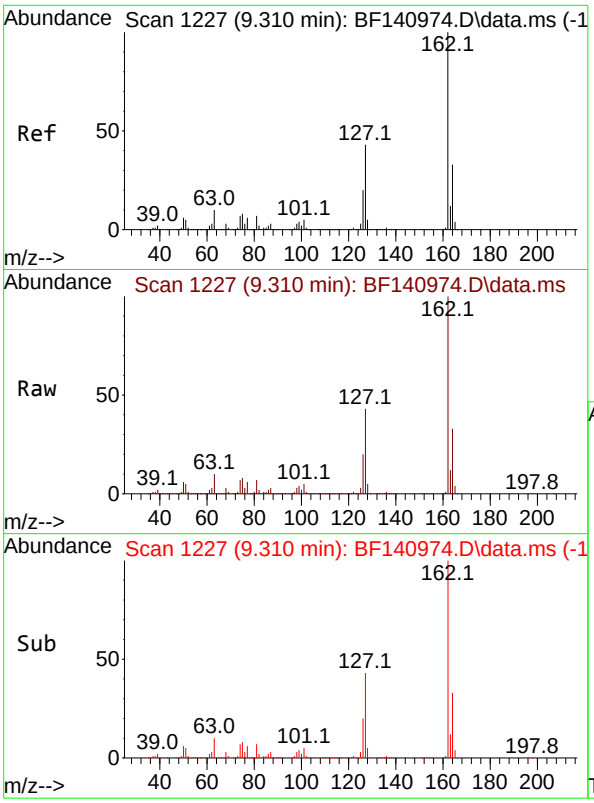


#46
1,1'-Biphenyl
Concen: 38.638 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:154 Resp: 1643157

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.9	60.9
76	14.0	0.0	34.0

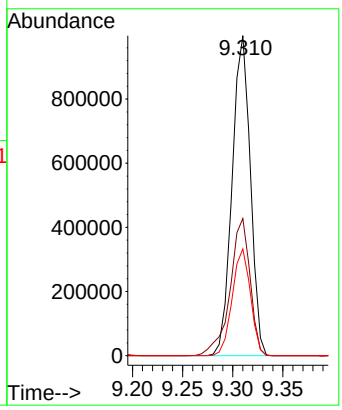




#47
2-Chloronaphthalene
Concen: 38.385 ng
RT: 9.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:162 Resp: 126602

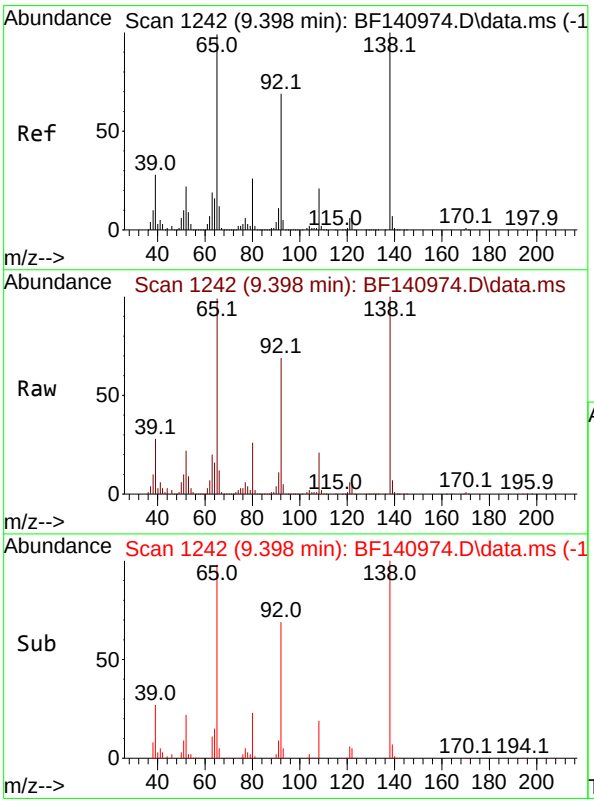
Ion	Ratio	Lower	Upper
162	100		
127	42.8	34.2	51.4
164	33.3	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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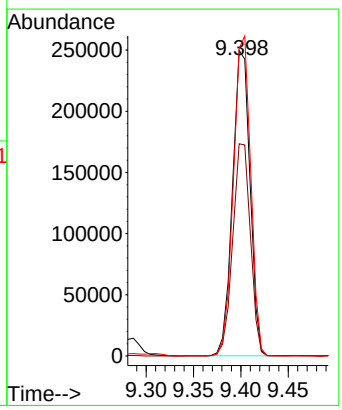
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

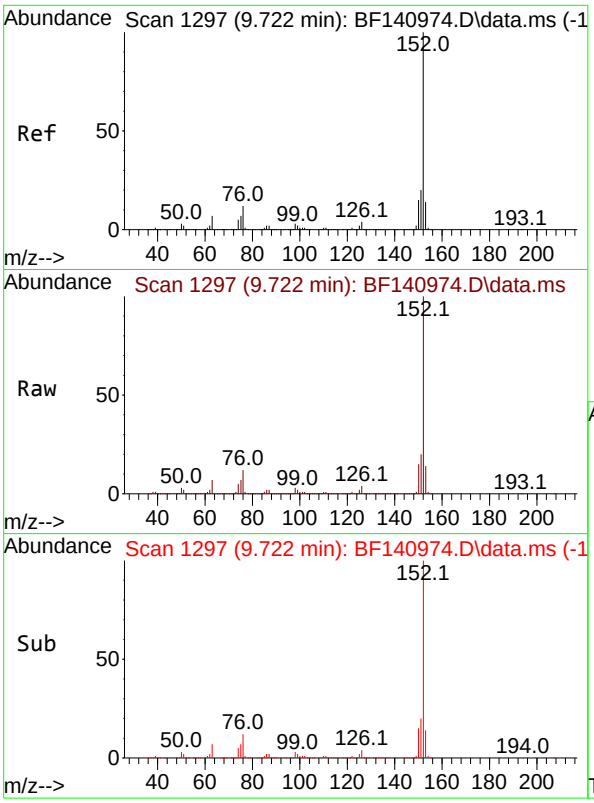


#48
2-Nitroaniline
Concen: 38.138 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 65 Resp: 319958

Ion	Ratio	Lower	Upper
65	100		
92	69.5	55.6	83.4
138	100.6	80.5	120.7





#49
Acenaphthylene
Concen: 38.706 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

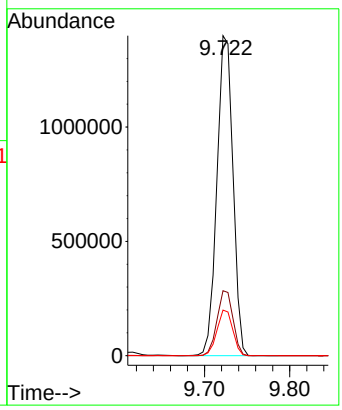
Tgt Ion:152 Resp: 183775

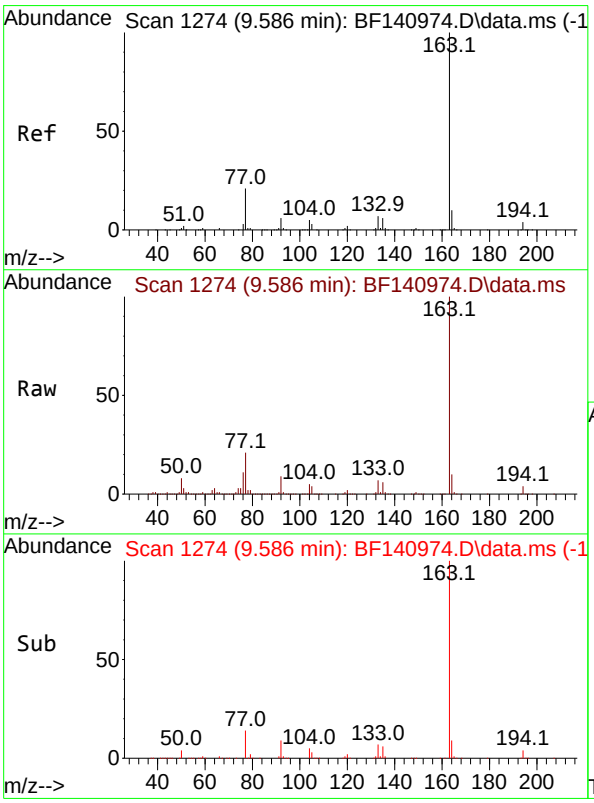
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	14.2	11.4	17.0

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

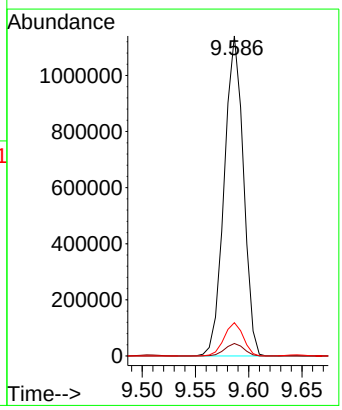


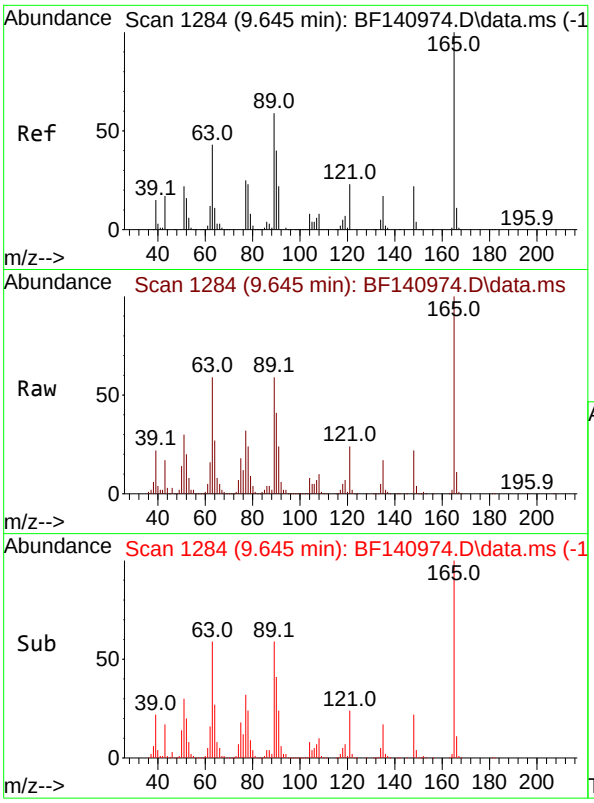


#50
Dimethylphthalate
Concen: 39.074 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:163 Resp: 1427475

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.3	12.5

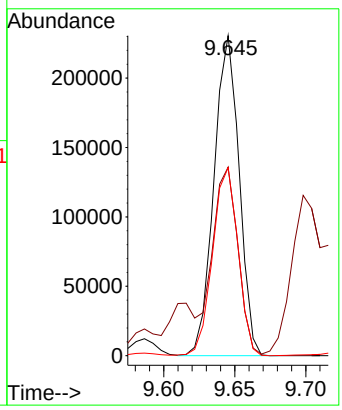




#51
2,6-Dinitrotoluene
Concen: 38.871 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:165 Resp: 28399

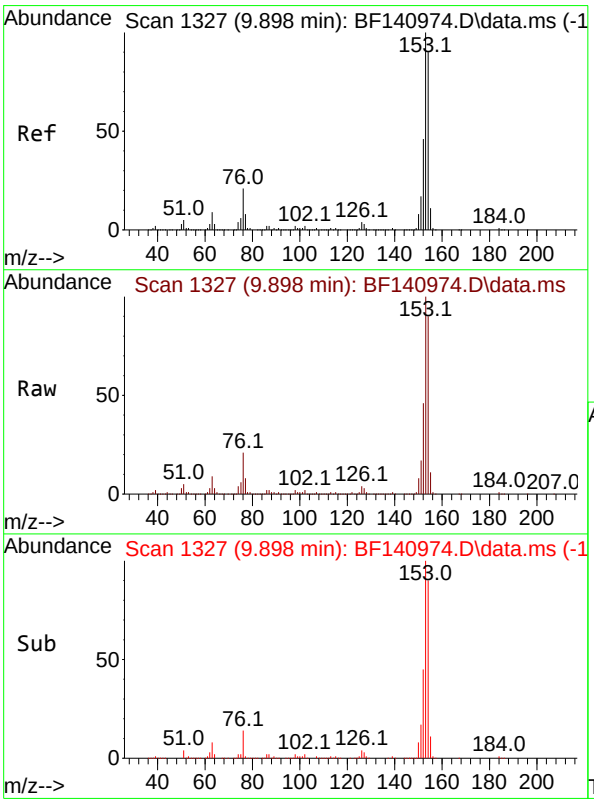
Ion	Ratio	Lower	Upper
165	100		
63	58.9	47.1	70.7
89	58.7	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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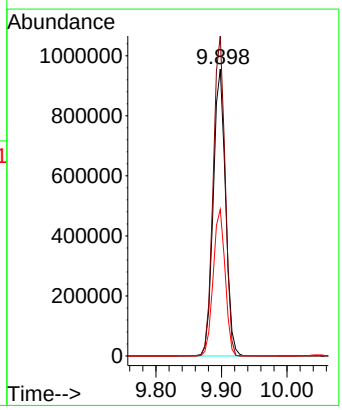
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

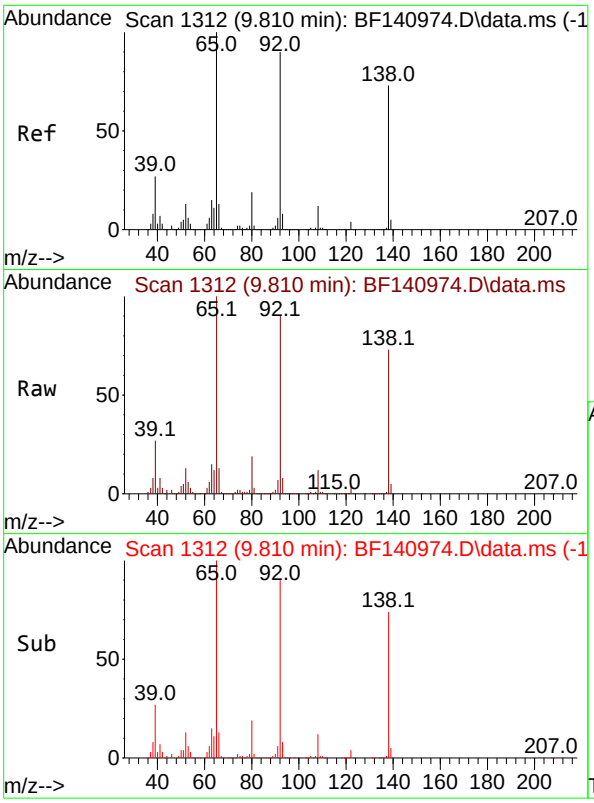


#52
Acenaphthene
Concen: 38.737 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:154 Resp: 1243394

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.2	133.8
152	51.1	40.9	61.3





#53
3-Nitroaniline
Concen: 39.221 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

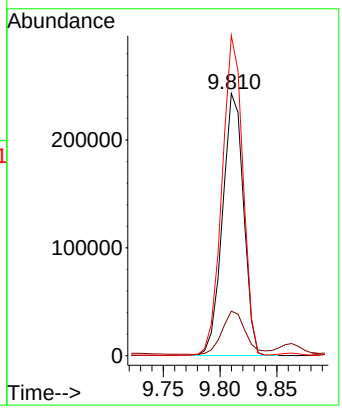
Tgt Ion:138 Resp: 31257

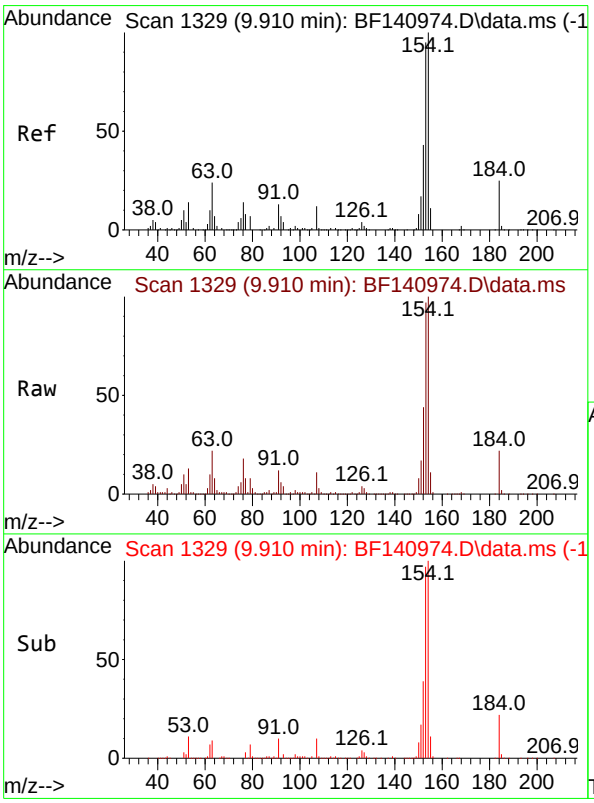
Ion	Ratio	Lower	Upper
138	100		
108	16.9	13.5	20.3
92	122.1	97.7	146.5

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

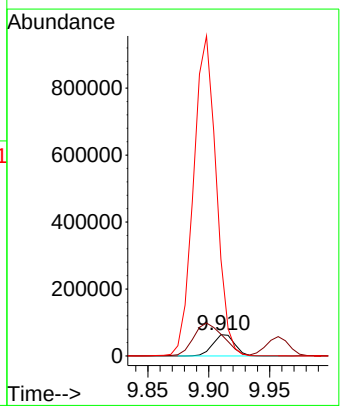


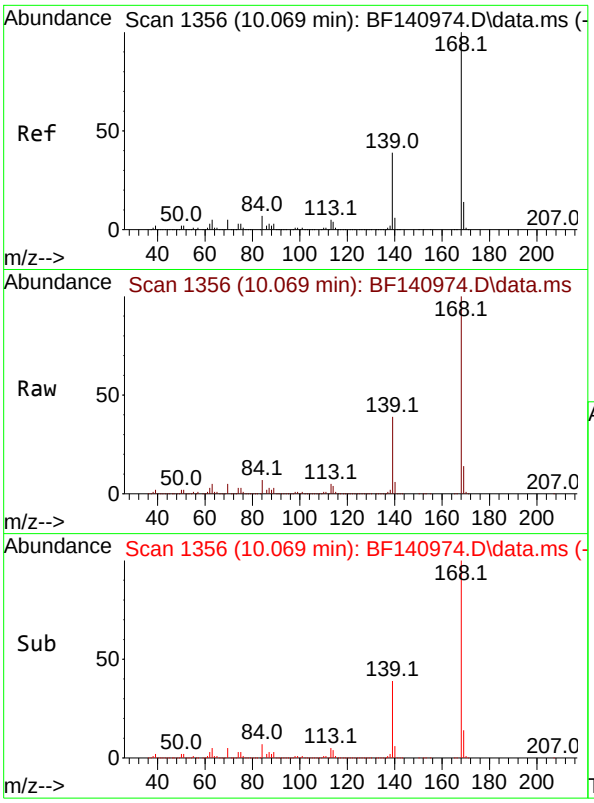


#54
2,4-Dinitrophenol
Concen: 37.853 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:184 Resp: 79893

Ion	Ratio	Lower	Upper
184	100		
63	102.0	81.6	122.4
154	454.4	363.5	545.3

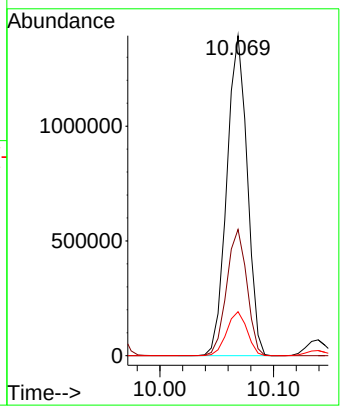




#55
Dibenzofuran
Concen: 38.535 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:168 Resp: 173827

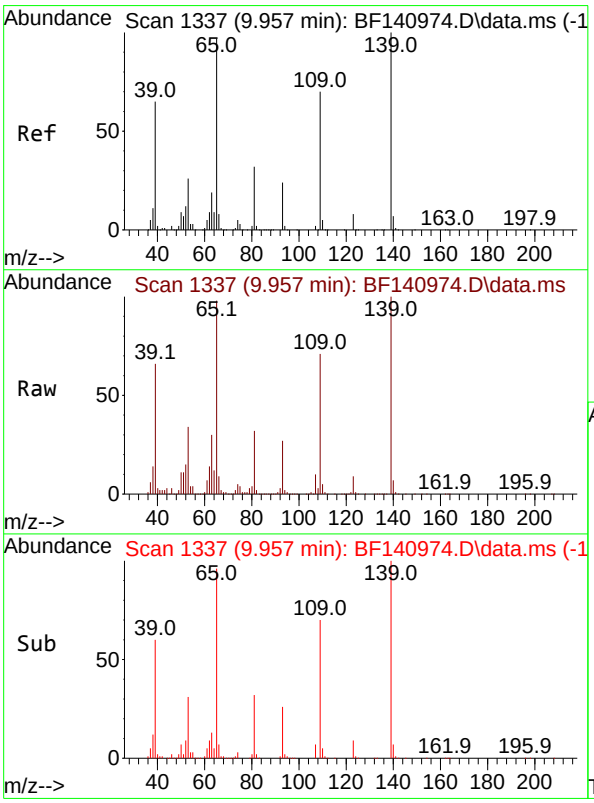
Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.6	47.4
169	13.8	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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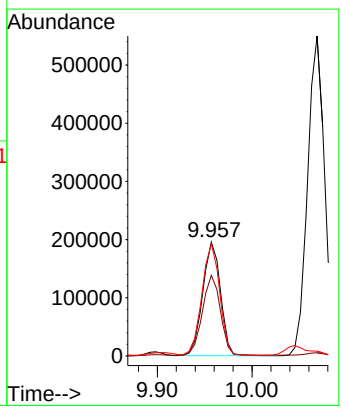
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

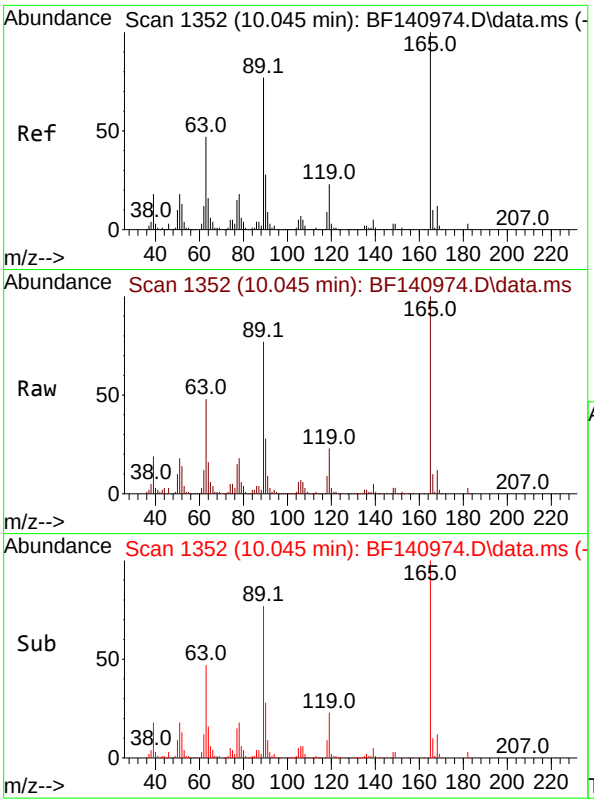


#56
4-Nitrophenol
Concen: 40.744 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:139 Resp: 254611

Ion	Ratio	Lower	Upper
139	100		
109	70.8	50.8	90.8
65	98.5	78.5	118.5

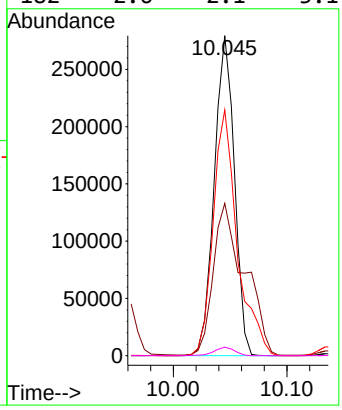




#57
2,4-Dinitrotoluene
Concen: 38.708 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:165 Resp: 34412

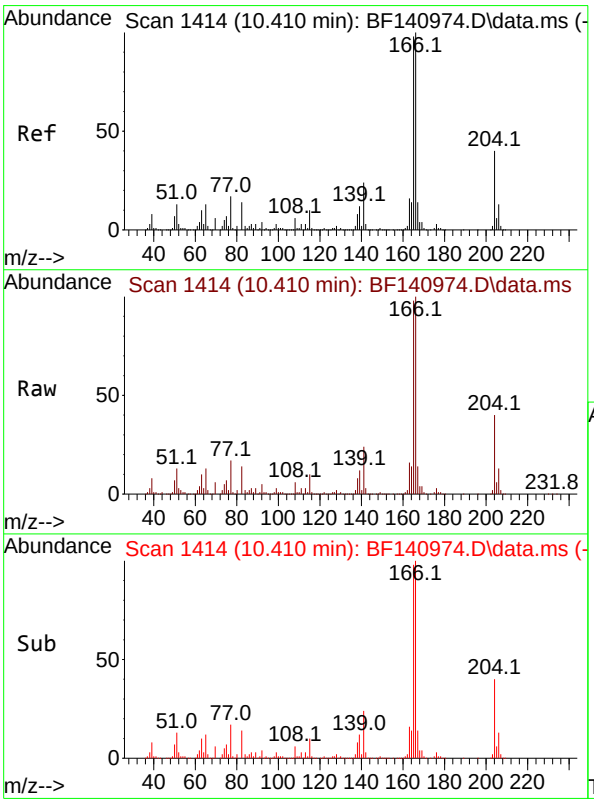
Ion	Ratio	Lower	Upper
165	100		
63	47.6	38.1	57.1
89	76.8	61.4	92.2
182	2.6	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

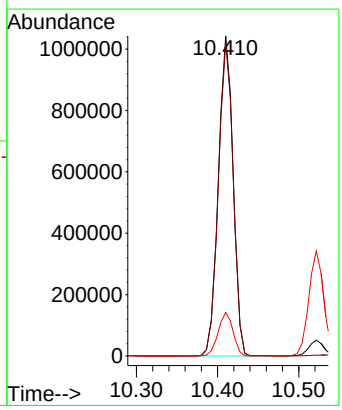
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

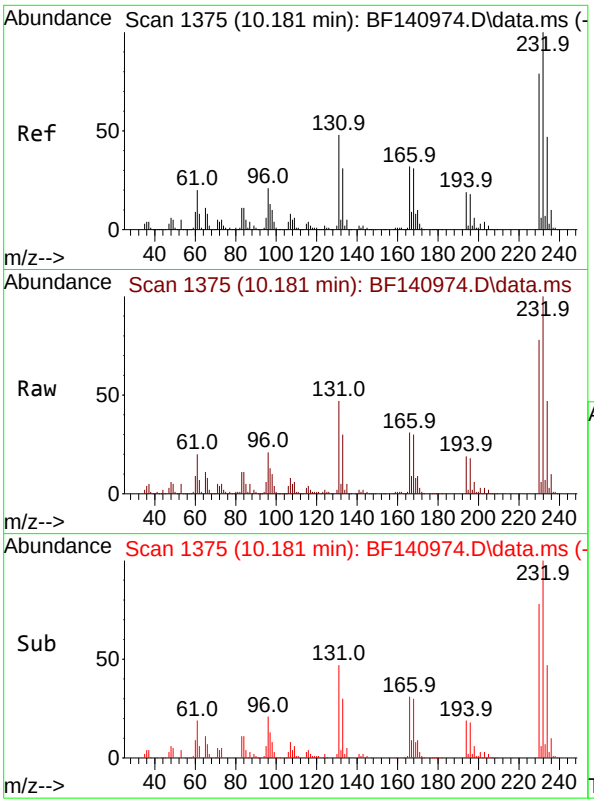


#58
Fluorene
Concen: 37.844 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:166 Resp: 1323793

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.3	117.5
167	13.6	10.9	16.3

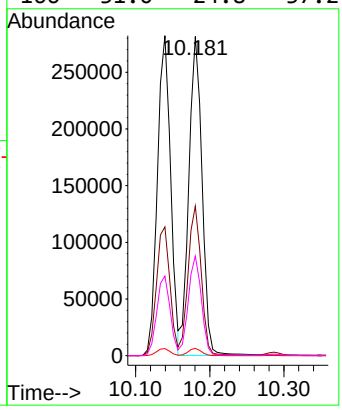




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.453 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:232 Resp: 34860

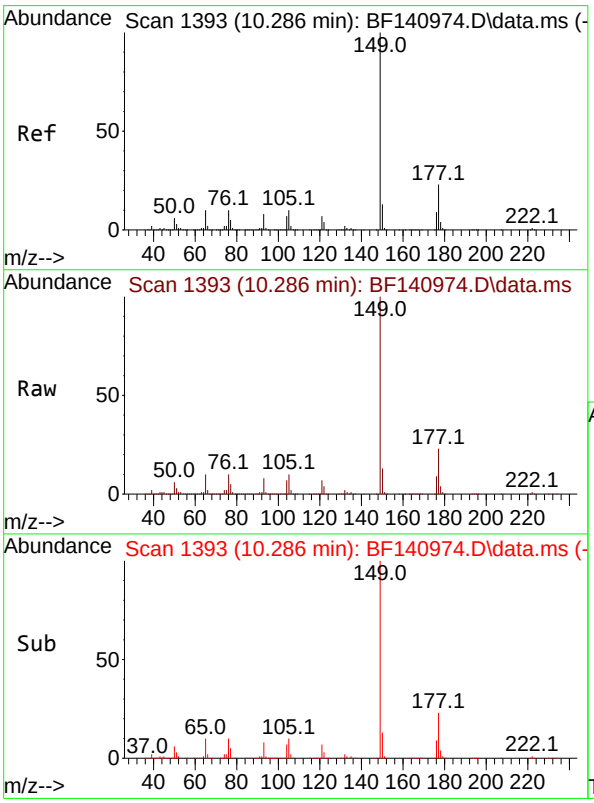
Ion	Ratio	Lower	Upper
232	100		
131	46.8	37.4	56.2
130	2.3	1.8	2.8
166	31.0	24.8	37.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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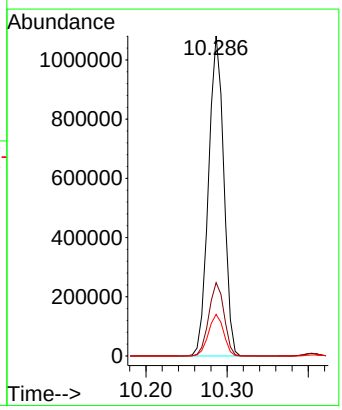
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

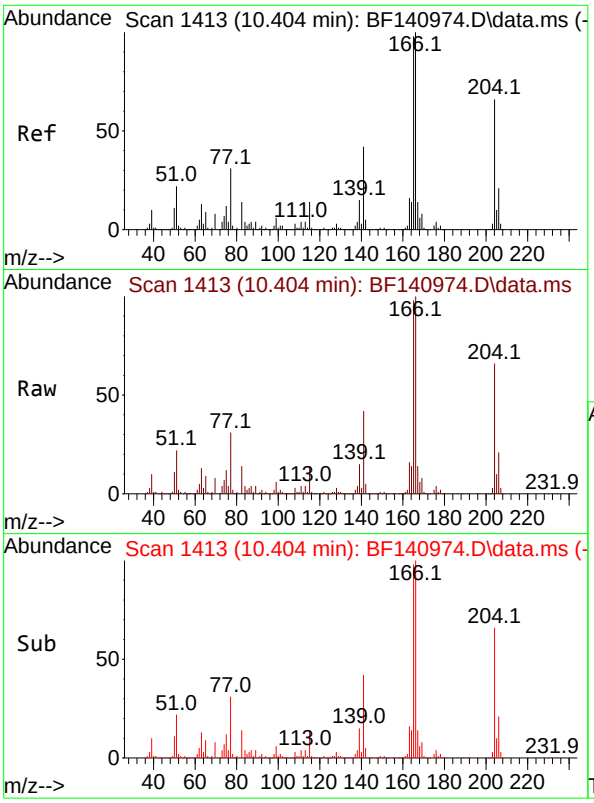


#60
Diethylphthalate
Concen: 38.988 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:149 Resp: 1406132

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	13.0	10.4	15.6





#61
4-Chlorophenyl-phenylether
Concen: 38.186 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

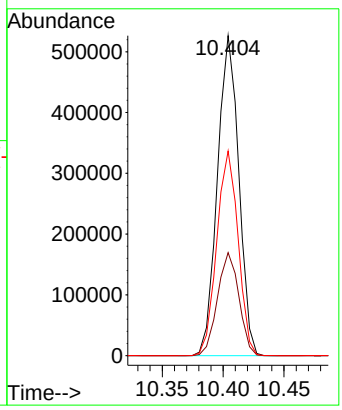
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

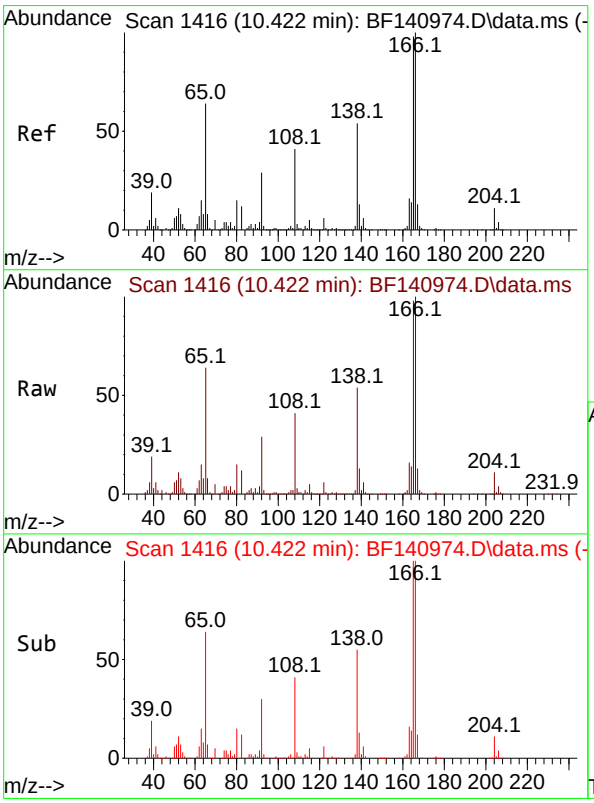
Tgt Ion:204 Resp: 64273

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.8	38.6
141	64.0	51.2	76.8

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Supervised By :mohammad ahmed 12/27/2024

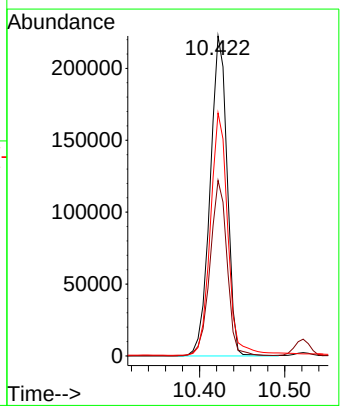


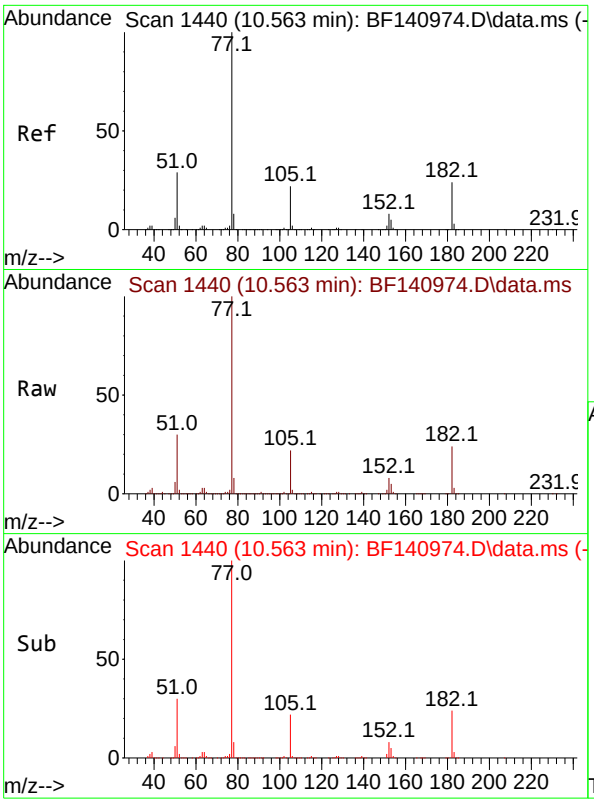


#62
4-Nitroaniline
Concen: 38.897 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:138 Resp: 309322

Ion	Ratio	Lower	Upper
138	100		
92	54.8	34.8	74.8
108	75.9	55.9	95.9





#63
Azobenzene
Concen: 38.712 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

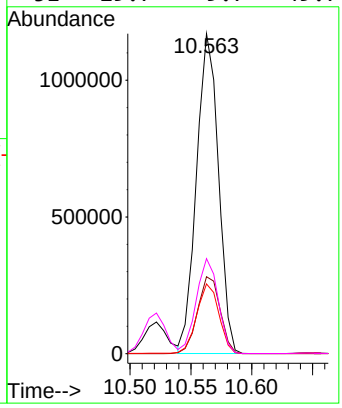
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

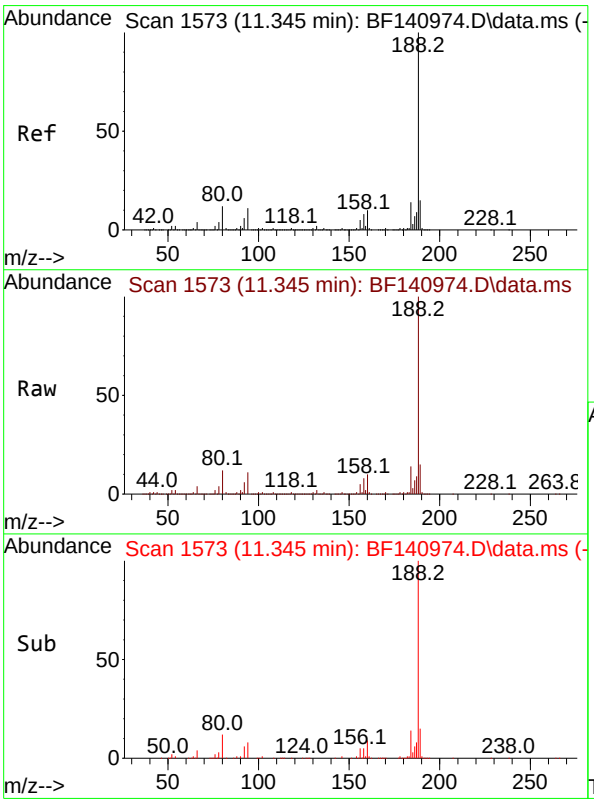
Tgt Ion: 77 Resp: 146545

Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.1	44.1
105	21.8	1.8	41.8
51	29.7	9.7	49.7

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

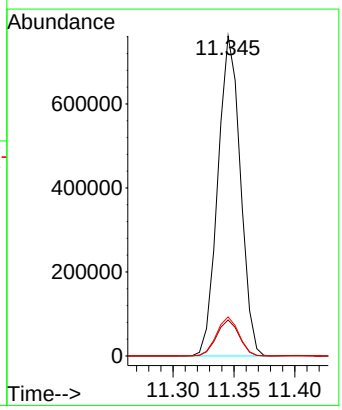


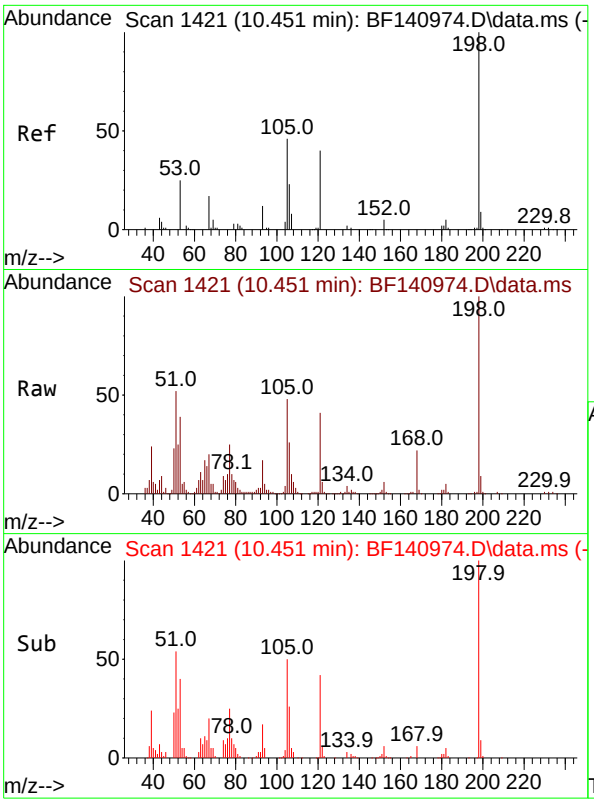


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:188 Resp: 980435

Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.0	13.6
80	12.2	9.8	14.6





#65
4,6-Dinitro-2-methylphenol
Concen: 36.204 ng
RT: 10.451 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

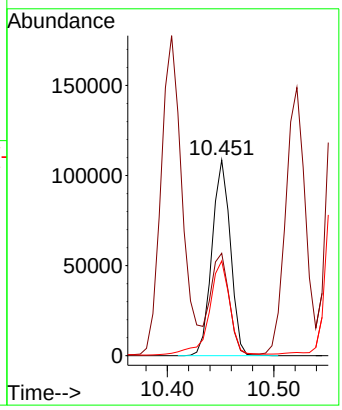
Tgt Ion:198 Resp: 13037

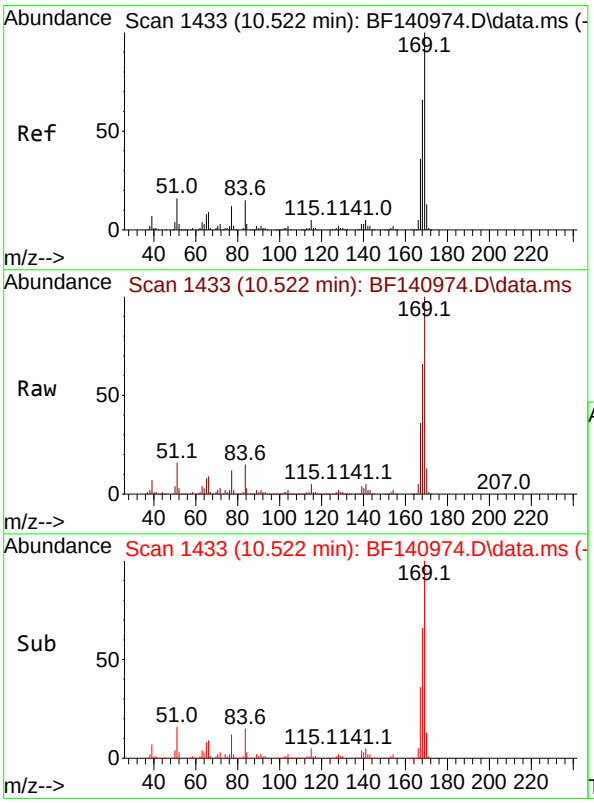
Ion	Ratio	Lower	Upper
198	100		
51	52.3	32.3	72.3
105	48.4	28.4	68.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

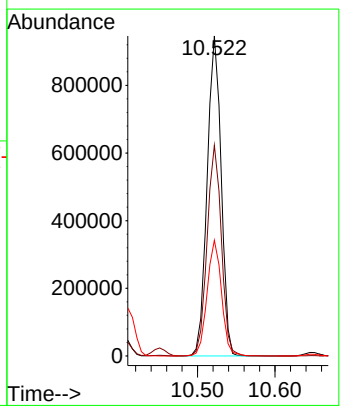


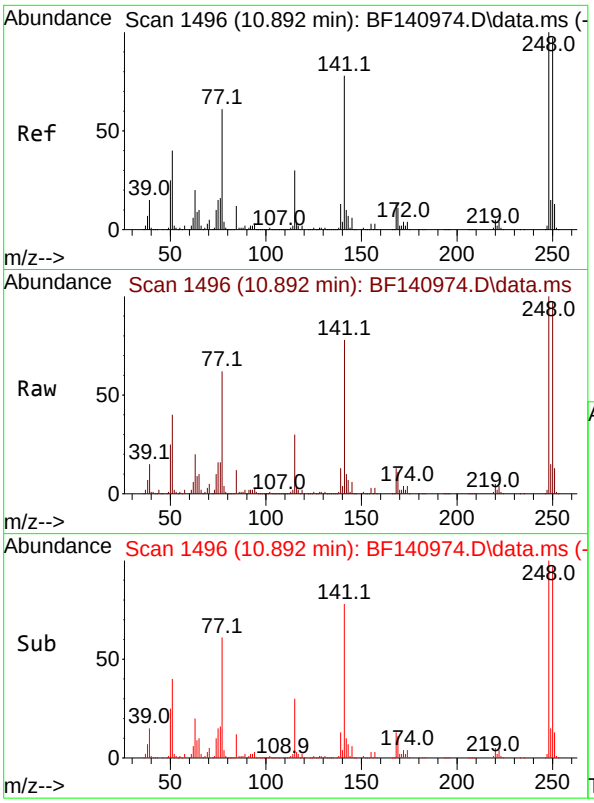


#66
n-Nitrosodiphenylamine
Concen: 38.454 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:169 Resp: 1187207

Ion	Ratio	Lower	Upper
169	100		
168	65.8	52.6	79.0
167	36.2	29.0	43.4





#67
4-Bromophenyl-phenylether
Concen: 39.329 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

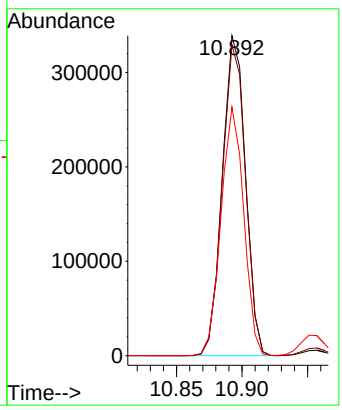
Tgt Ion:248 Resp: 41683

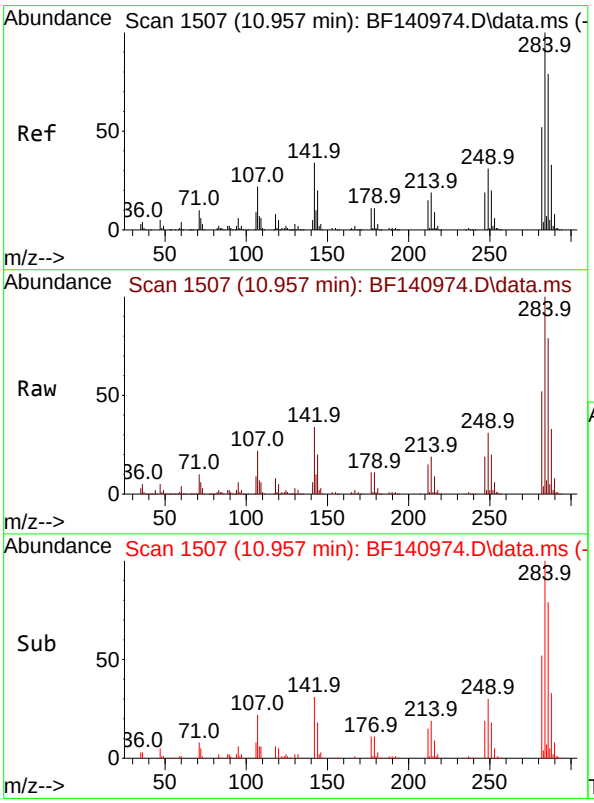
Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.7	116.5
141	77.6	62.1	93.1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

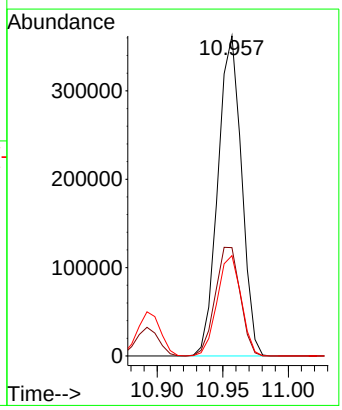


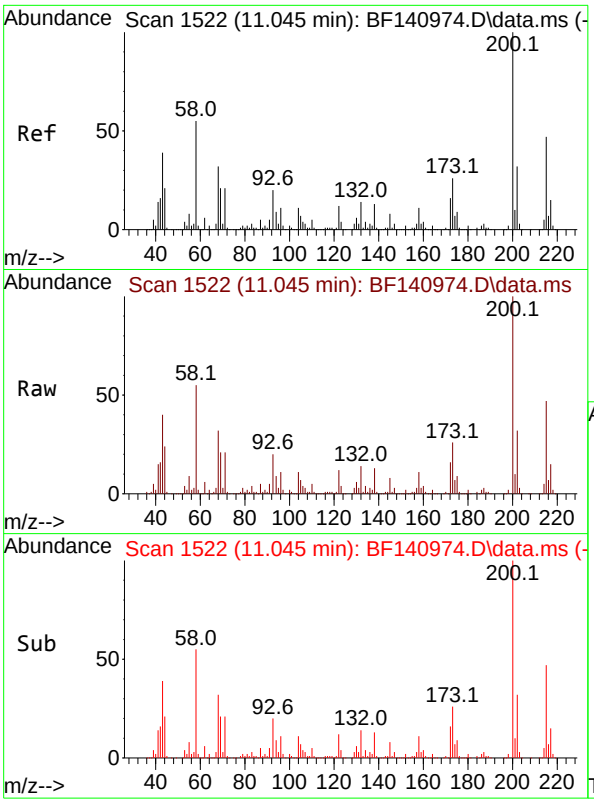


#68
Hexachlorobenzene
Concen: 38.863 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:284 Resp: 454182

Ion	Ratio	Lower	Upper
284	100		
142	33.9	27.1	40.7
249	31.4	25.1	37.7

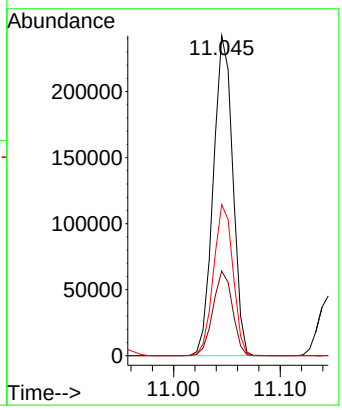




#69
Atrazine
Concen: 35.559 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:200 Resp: 30670

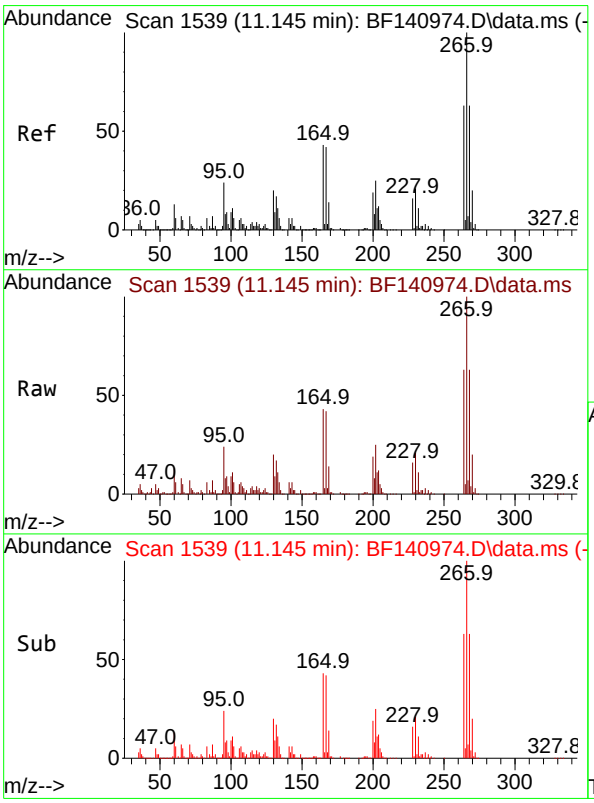
Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.4	46.4
215	47.2	27.2	67.2



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations
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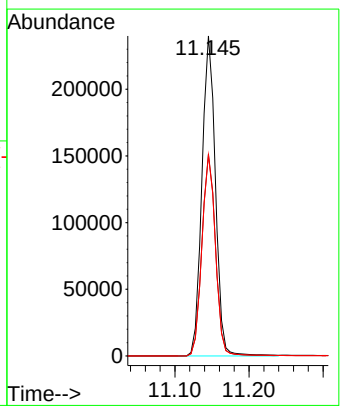
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

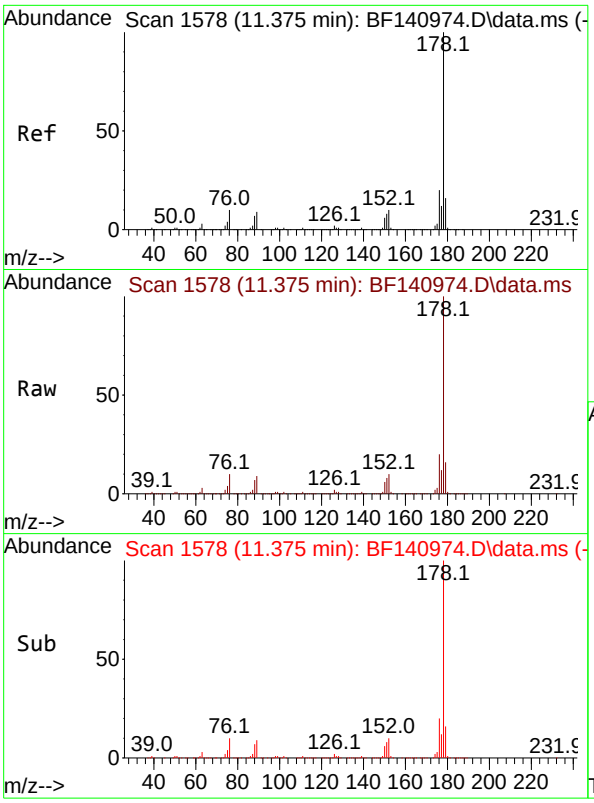


#70
Pentachlorophenol
Concen: 41.789 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:266 Resp: 304066

Ion	Ratio	Lower	Upper
266	100		
268	63.1	50.5	75.7
264	62.8	50.2	75.4

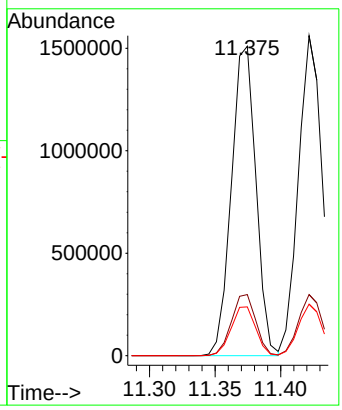




#71
Phenanthrene
Concen: 38.179 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:178 Resp: 197008

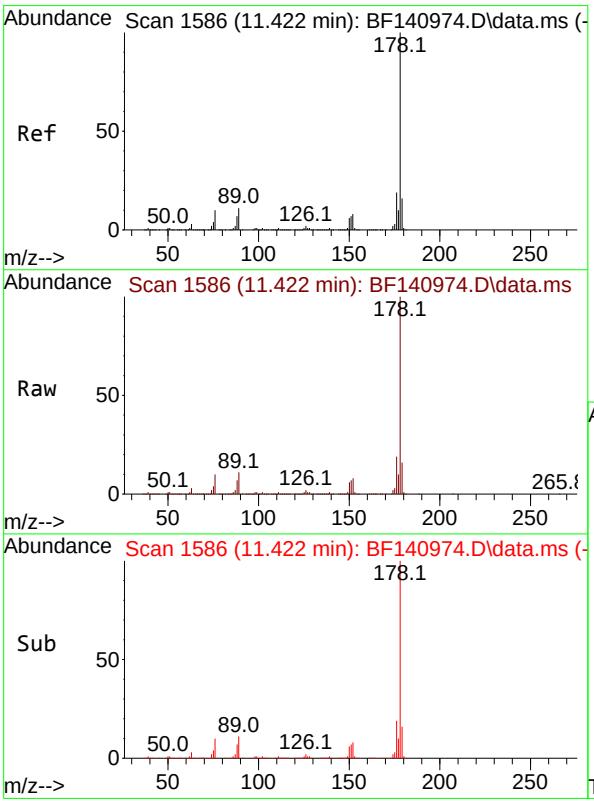
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	15.8	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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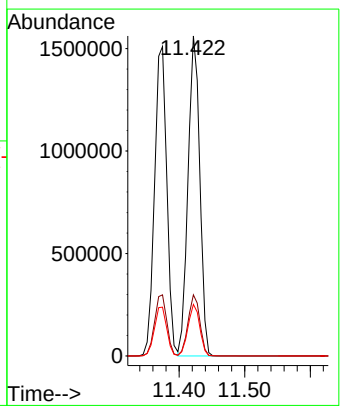
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

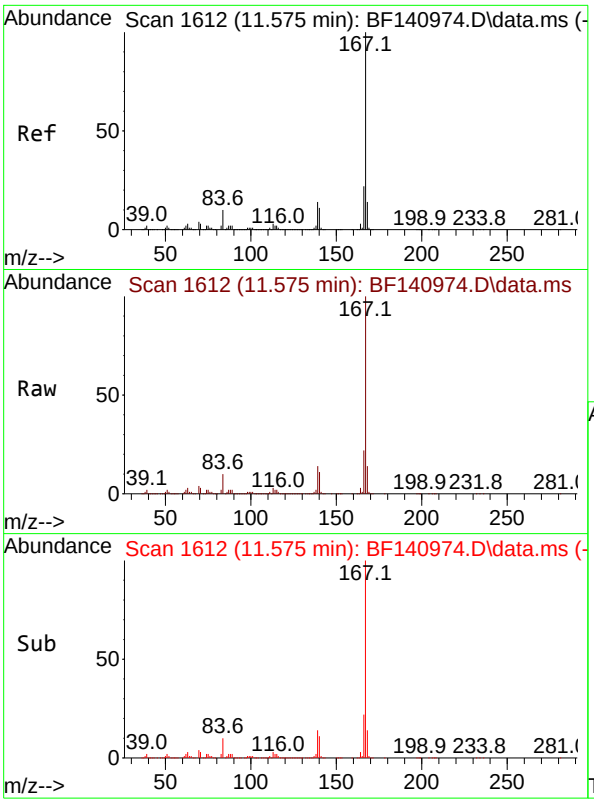


#72
Anthracene
Concen: 38.437 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:178 Resp: 1943496

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	16.1	12.9	19.3

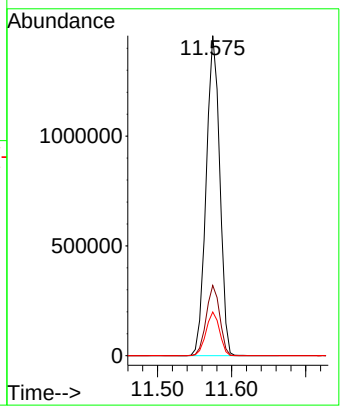




#73
Carbazole
Concen: 38.188 ng
RT: 11.575 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:167 Resp: 185620

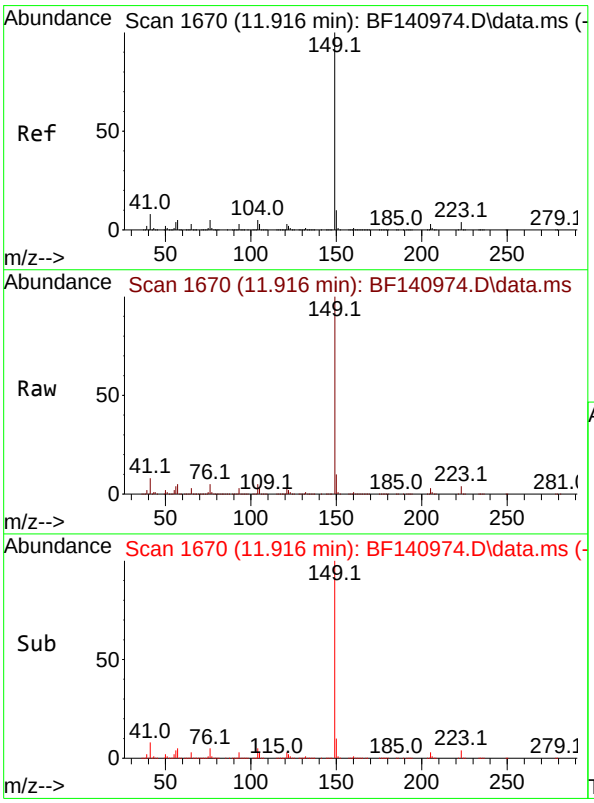
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.7	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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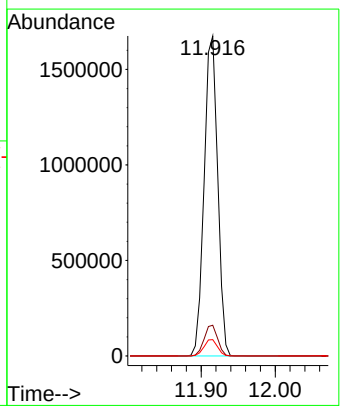
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

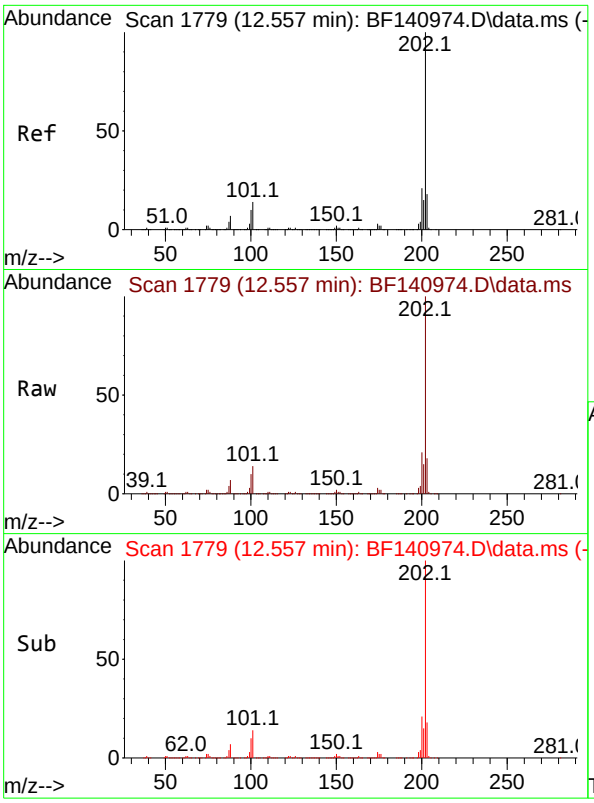


#74
Di-n-butylphthalate
Concen: 38.425 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:149 Resp: 2124340

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	5.1	4.1	6.1

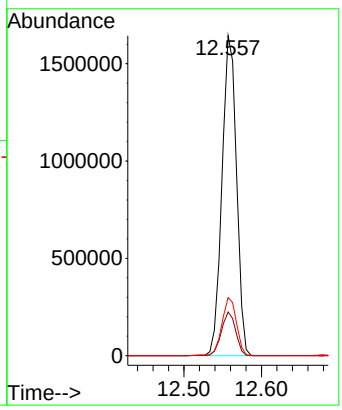




#75
Fluoranthene
Concen: 38.240 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:202 Resp: 214011

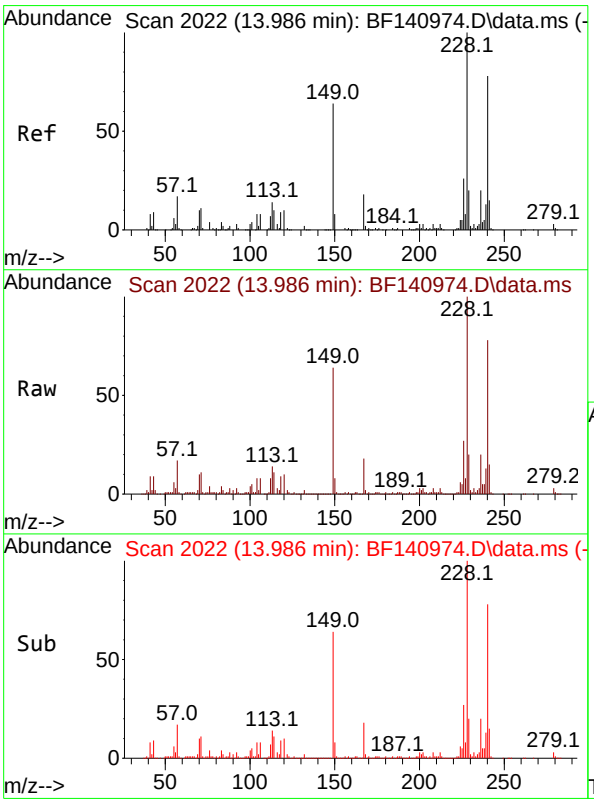
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.7
203	18.1	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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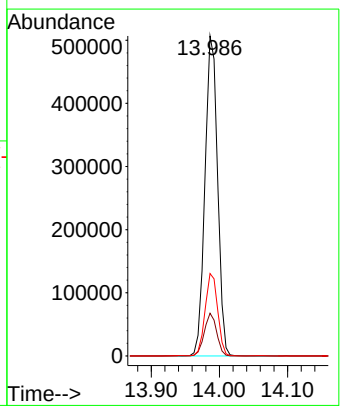
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

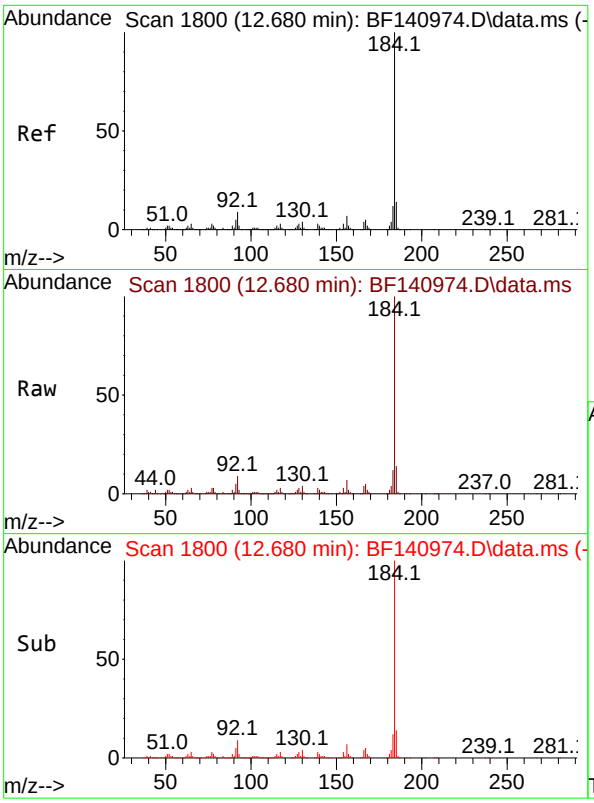


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:240 Resp: 652144

Ion	Ratio	Lower	Upper
240	100		
120	13.4	10.7	16.1
236	25.8	20.6	31.0

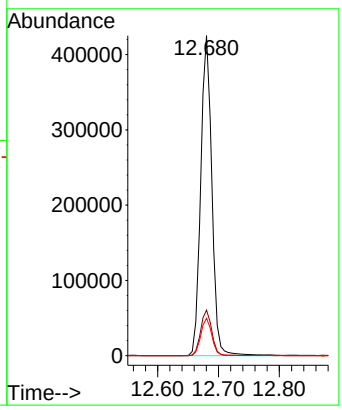




#77
Benzidine
Concen: 39.248 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:184 Resp: 54093

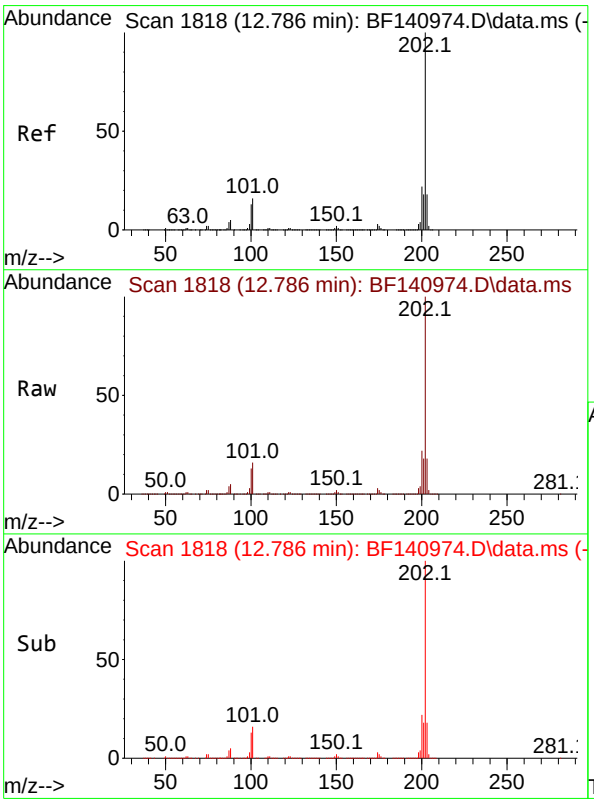
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.7	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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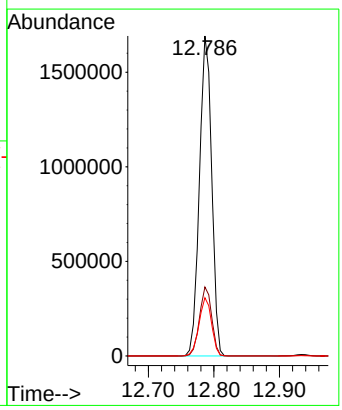
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

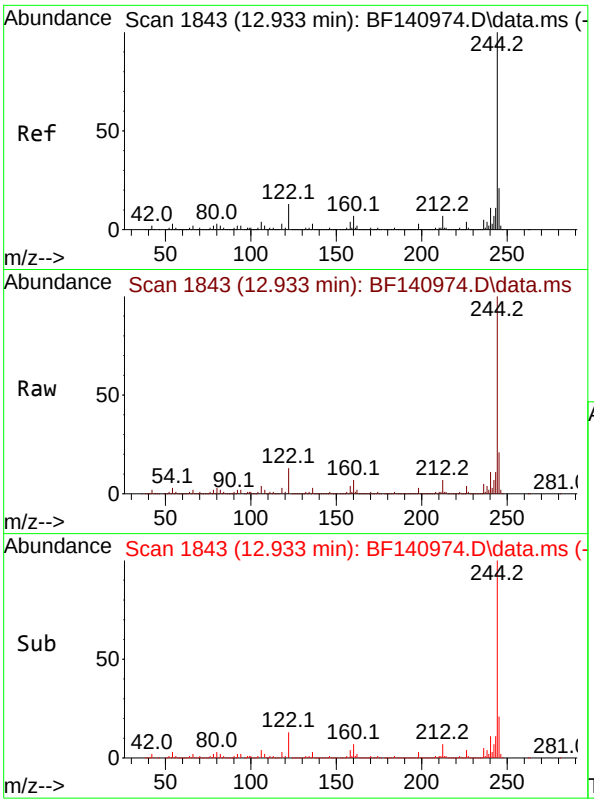


#78
Pyrene
Concen: 38.693 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:202 Resp: 2206885

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.2	14.6	21.8

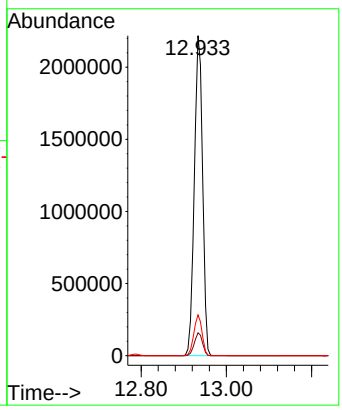




#79
Terphenyl-d14
Concen: 75.816 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:244 Resp: 297669

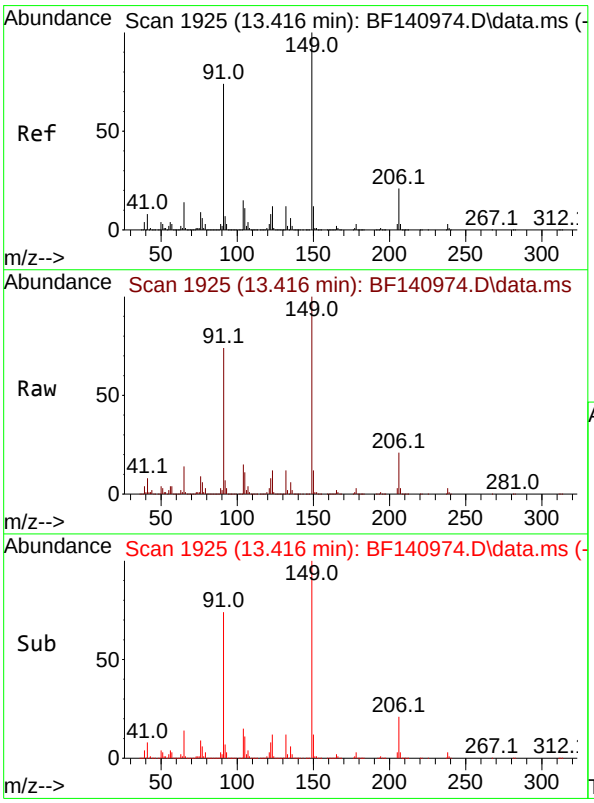
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.7	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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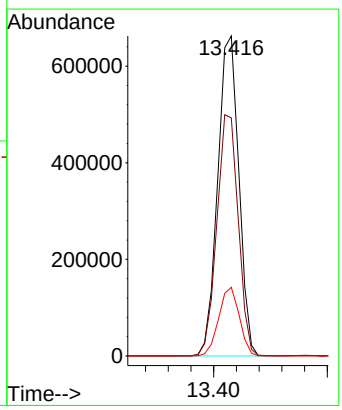
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

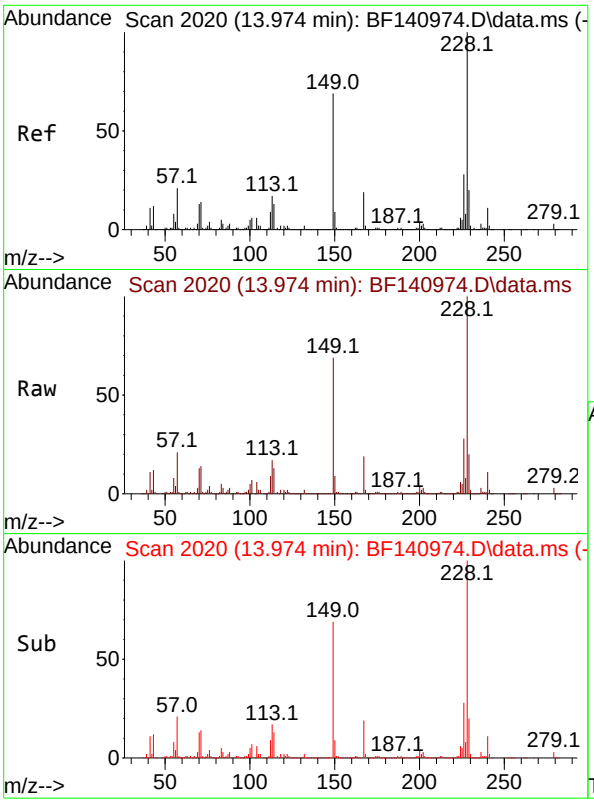


#80
Butylbenzylphthalate
Concen: 41.109 ng
RT: 13.416 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:149 Resp: 856154

Ion	Ratio	Lower	Upper
149	100		
91	74.4	59.5	89.3
206	21.4	17.1	25.7

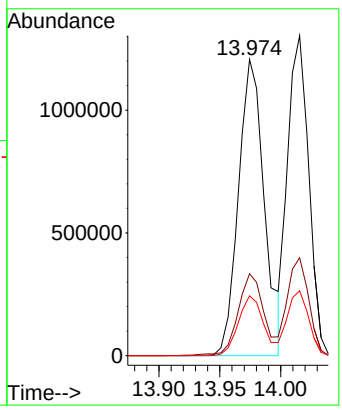




#81
Benzo(a)anthracene
Concen: 39.297 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:228 Resp: 178608

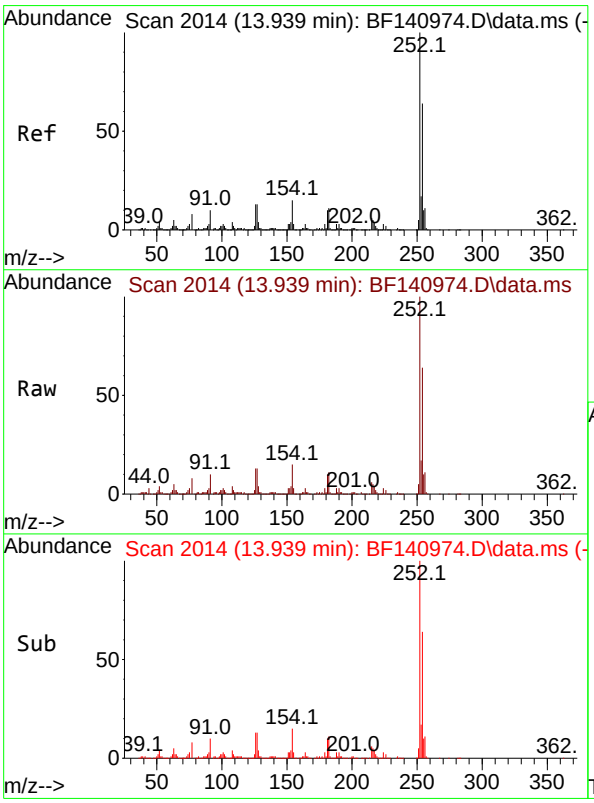
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	20.2	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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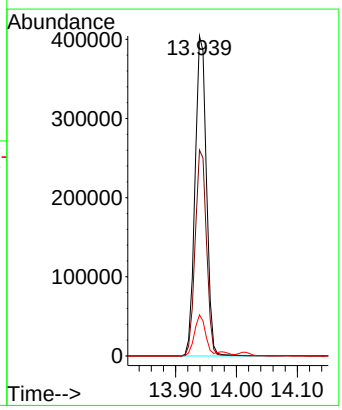
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

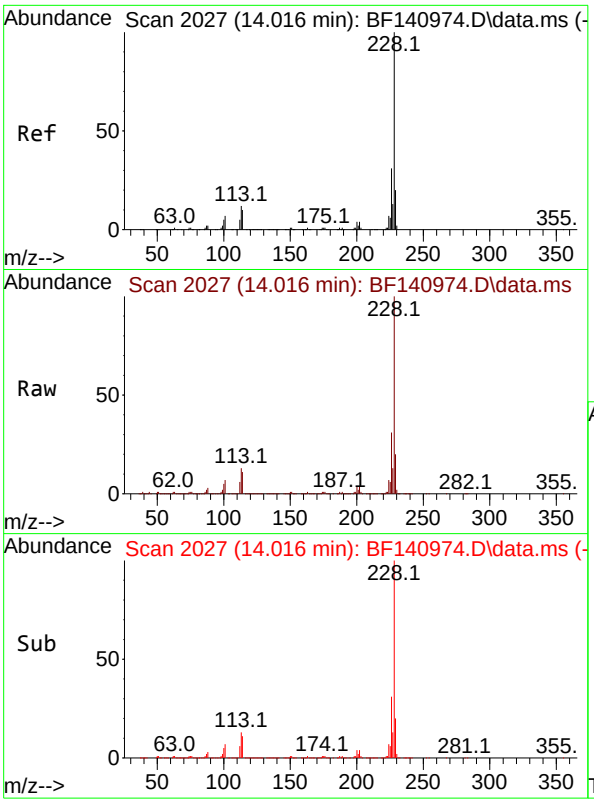


#82
3,3'-Dichlorobenzidine
Concen: 38.446 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:252 Resp: 524994

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	12.9	10.3	15.5

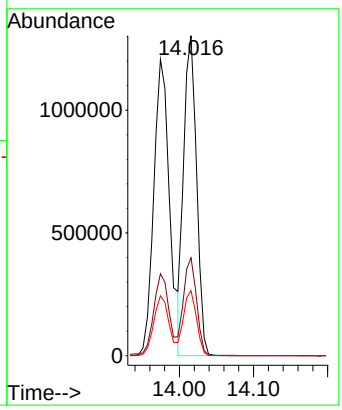




#83
Chrysene
Concen: 38.441 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:228 Resp: 157499

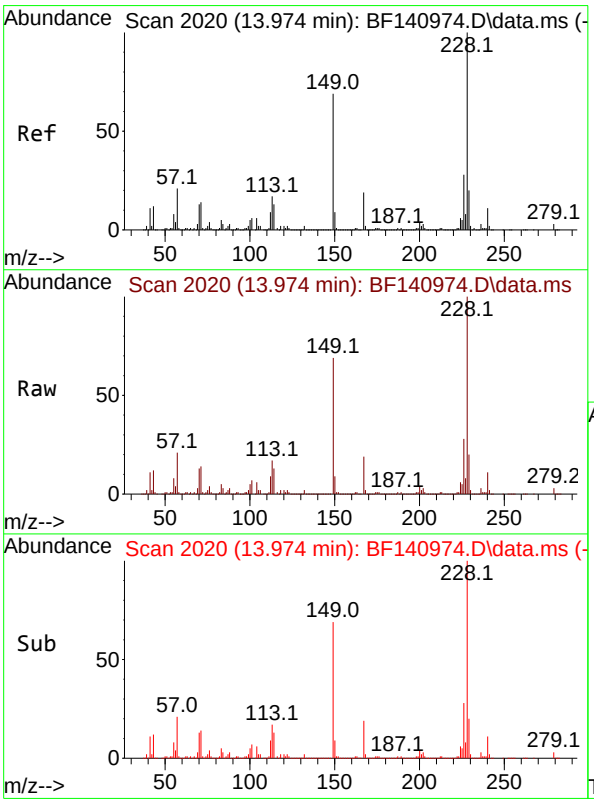
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	20.3	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

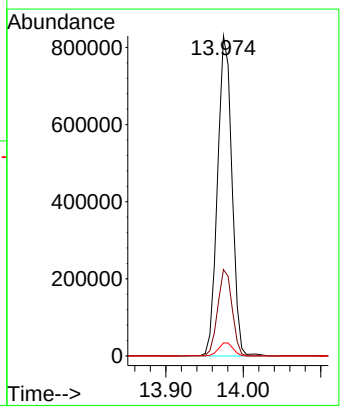
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

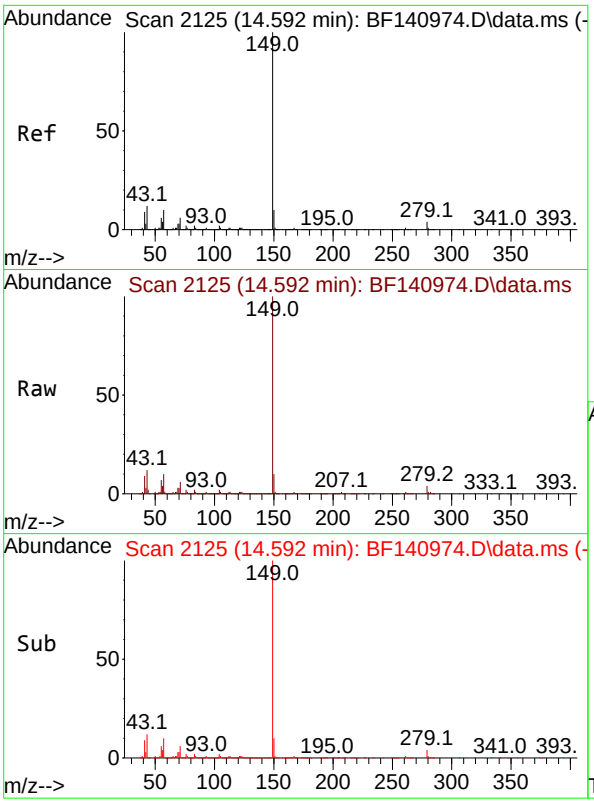


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.607 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:149 Resp: 1069992

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.6	32.4
279	4.0	3.2	4.8

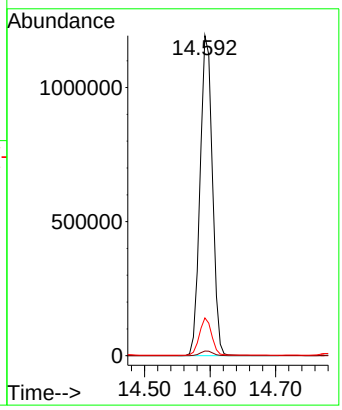




#85
Di-n-octyl phthalate
Concen: 39.982 ng
RT: 14.592 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:149 Resp: 156331

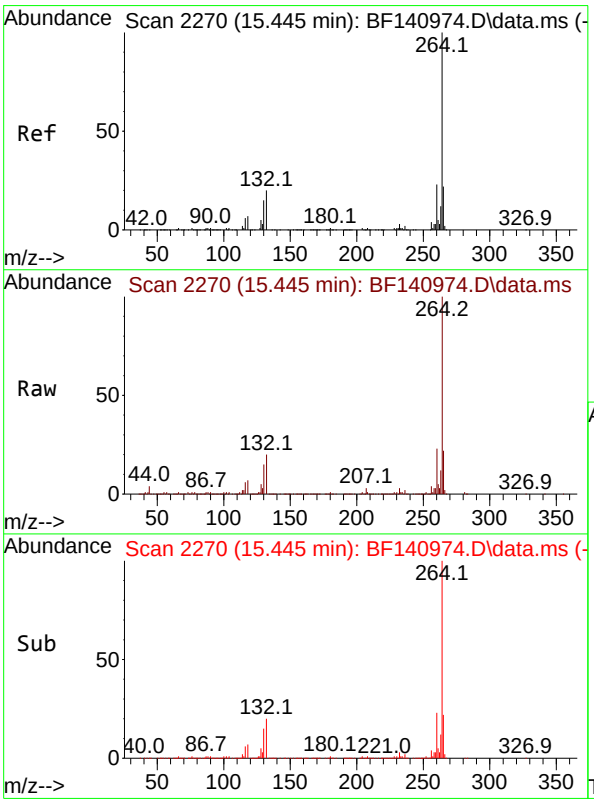
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.6	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

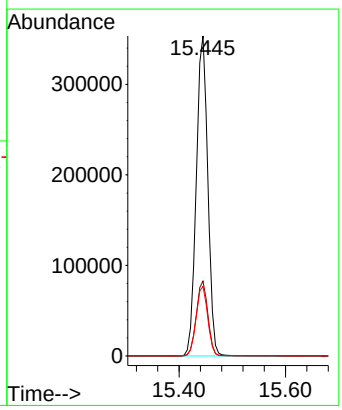
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

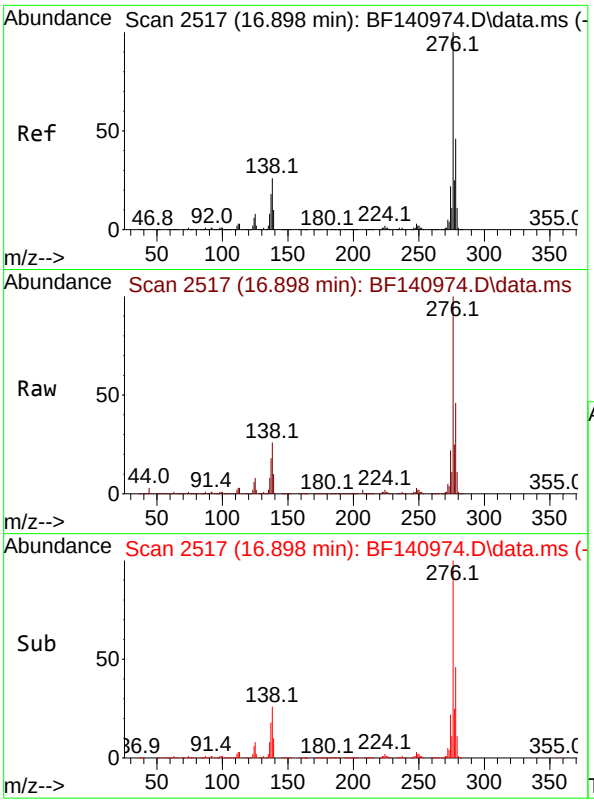


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:264 Resp: 531798

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.8	17.4	26.2

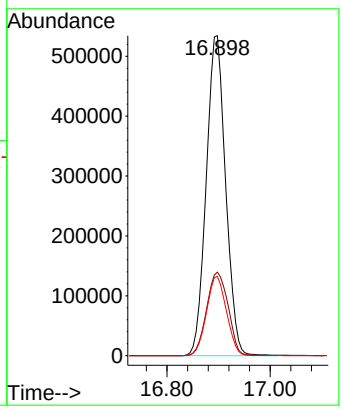




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.609 ng
RT: 16.898 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:276 Resp: 139410

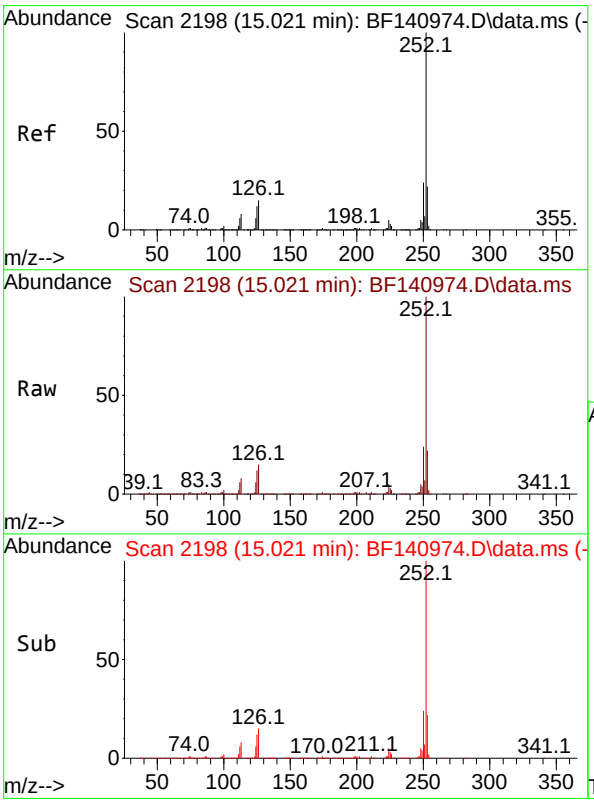
Ion	Ratio	Lower	Upper
276	100		
138	28.9	23.1	34.7
277	25.5	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

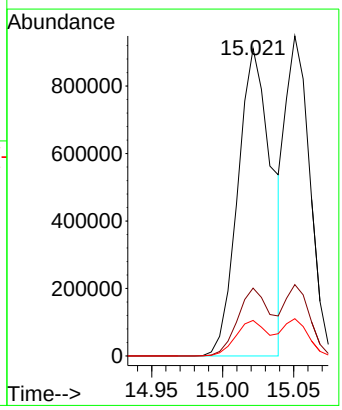
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

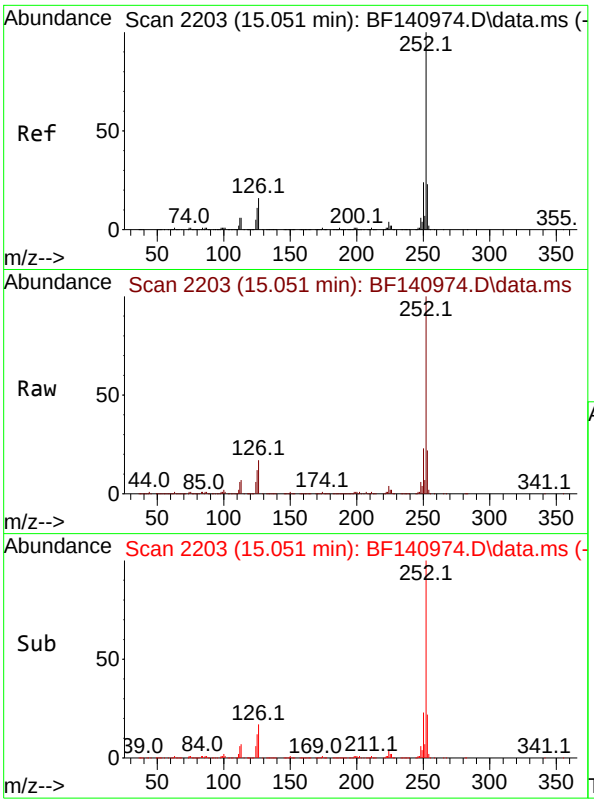


#88
Benzo(b)fluoranthene
Concen: 40.626 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:252 Resp: 1506798

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.6	9.3	13.9

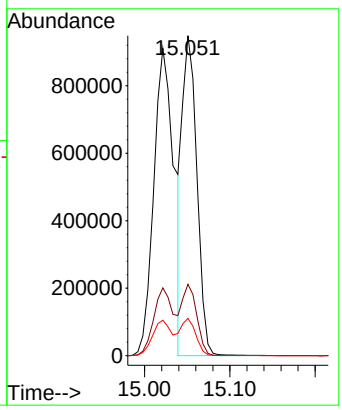




#89
Benzo(k)fluoranthene
Concen: 38.976 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:252 Resp: 113302

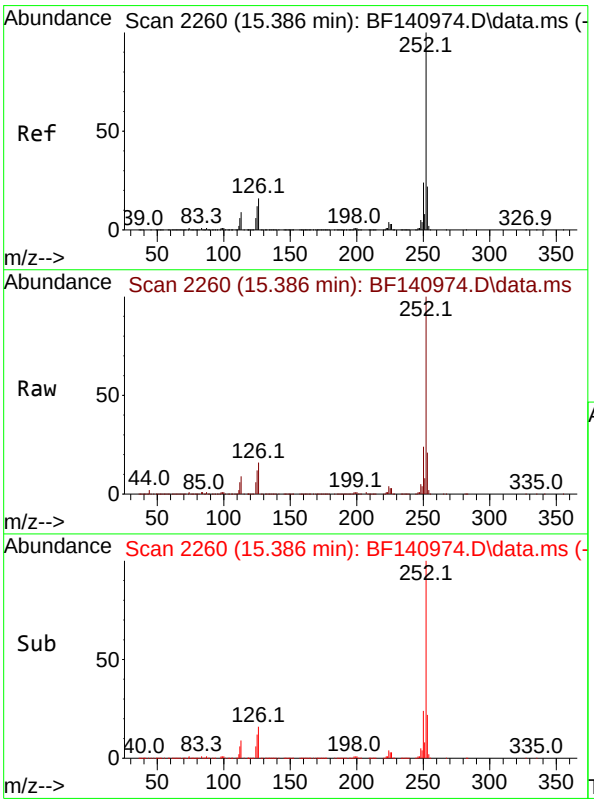
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.7	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

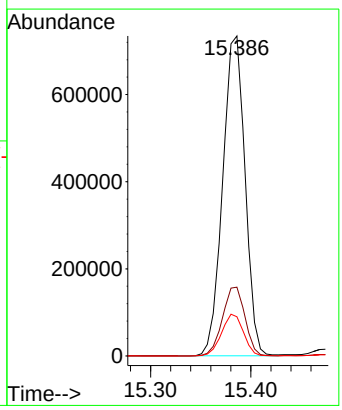
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

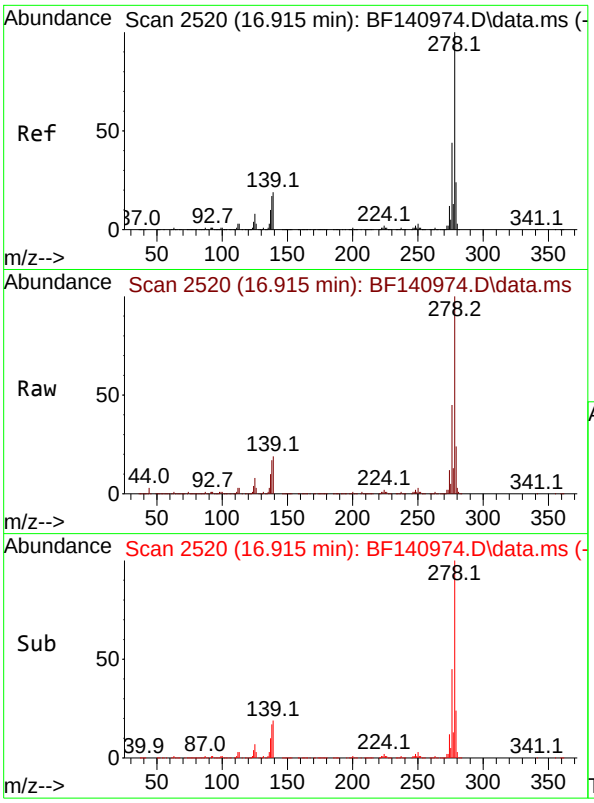


#90
Benzo(a)pyrene
Concen: 39.479 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:252 Resp: 1136531

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	12.3	9.8	14.8

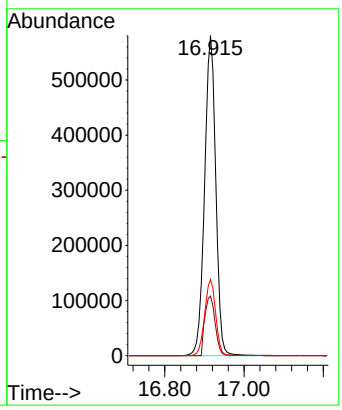




#91
Dibenzo(a,h)anthracene
Concen: 41.900 ng
RT: 16.915 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:278 Resp: 113796

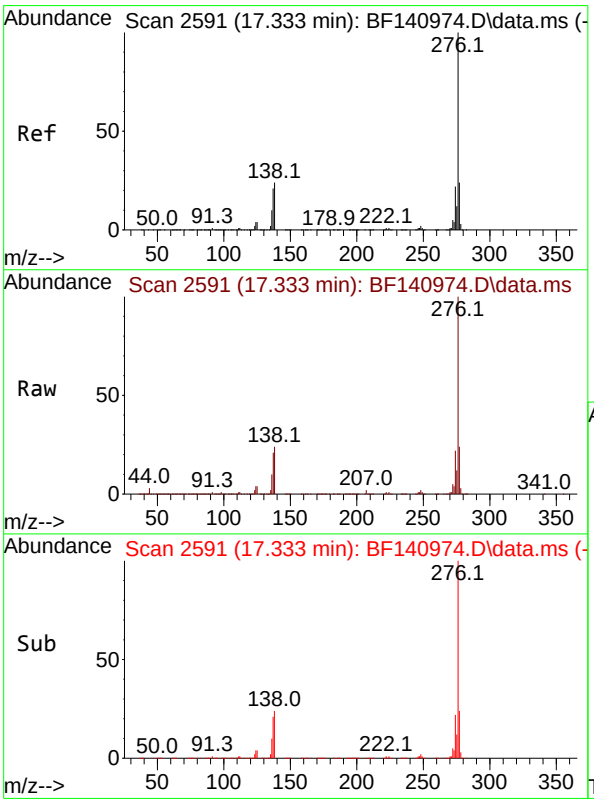
Ion	Ratio	Lower	Upper
278	100		
139	18.6	14.9	22.3
279	23.8	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

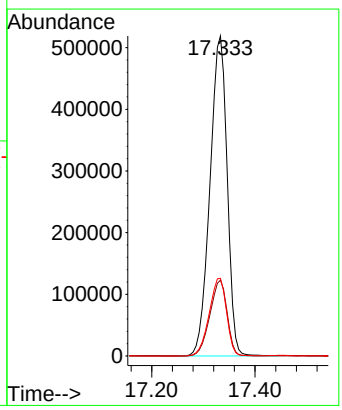
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#92
Benzo(g,h,i)perylene
Concen: 42.524 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:276 Resp: 1197853

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	24.3	19.4	29.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140975.D
Acq On : 26 Dec 2024 18:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:23:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.828	152	275845	20.000	ng		0.00
21) Naphthalene-d8	8.110	136	1074985	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	568540	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	984477	20.000	ng		0.00
76) Chrysene-d12	13.986	240	594739	20.000	ng		0.00
86) Perylene-d12	15.445	264	515270	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	1735294	94.827	ng		0.00
7) Phenol-d6	6.451	99	2240716	95.051	ng		0.00
23) Nitrobenzene-d5	7.398	82	1814319	107.979	ng		0.00
42) 2,4,6-Tribromophenol	10.651	330	561625	101.660	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	3208983	89.926	ng		0.00
79) Terphenyl-d14	12.939	244	3551774	99.194	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.563	88	404513	48.826	ng		100
3) Pyridine	3.304	79	961017	47.465	ng		100
4) n-Nitrosodimethylamine	3.257	42	511762	49.886	ng		98
6) Aniline	6.528	93	1020551m	48.540	ng		
8) 2-Chlorophenol	6.616	128	922056	47.791	ng		98
9) Benzaldehyde	6.381	77	546478	49.354	ng		98
10) Phenol	6.469	94	1160486	47.608	ng		98
11) bis(2-Chloroethyl)ether	6.569	93	976603	49.665	ng		97
12) 1,3-Dichlorobenzene	6.769	146	1008461	47.362	ng		99
13) 1,4-Dichlorobenzene	6.845	146	1018871	47.467	ng		99
14) 1,2-Dichlorobenzene	7.004	146	942310	47.085	ng		99
15) Benzyl Alcohol	6.969	79	826544	48.792	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1412151	47.443	ng		100
17) 2-Methylphenol	7.075	107	775619	48.390	ng		99
18) Hexachloroethane	7.345	117	371106	48.670	ng		99
19) n-Nitroso-di-n-propyla...	7.251	70	681599	47.195	ng		98
20) 3+4-Methylphenols	7.233	107	956631	47.163	ng		91
22) Acetophenone	7.239	105	1233868	46.789	ng	#	95
24) Nitrobenzene	7.416	77	997447	53.126	ng		98
25) Isophorone	7.651	82	1758021	48.082	ng		99
26) 2-Nitrophenol	7.728	139	381135	49.366	ng		99
27) 2,4-Dimethylphenol	7.763	122	648052	48.497	ng		99
28) bis(2-Chloroethoxy)met...	7.863	93	1107863	47.823	ng		100
29) 2,4-Dichlorophenol	7.963	162	755436	49.847	ng		99
30) 1,2,4-Trichlorobenzene	8.051	180	815821	47.560	ng		99
31) Naphthalene	8.133	128	2656943	46.905	ng		100
32) Benzoic acid	7.880	122	533388	48.423	ng		98
33) 4-Chloroaniline	8.186	127	988410	48.233	ng		100
34) Hexachlorobutadiene	8.251	225	485520	48.012	ng		99
35) Caprolactam	8.551	113	251835m	48.876	ng		
36) 4-Chloro-3-methylphenol	8.651	107	817788	48.589	ng		99
37) 2-Methylnaphthalene	8.822	142	1691438	46.676	ng		100
38) 1-Methylnaphthalene	8.922	142	1659875	46.607	ng		100
40) 1,2,4,5-Tetrachloroben...	8.986	216	748540	47.857	ng		100
41) Hexachlorocyclopentadiene	8.975	237	268748	51.849	ng		99
43) 2,4,6-Trichlorophenol	9.092	196	505859	48.593	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140975.D
Acq On : 26 Dec 2024 18:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:23:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	548701	51.514	ng		98
46) 1,1'-Biphenyl	9.286	154	2019837	46.398	ng		99
47) 2-Chloronaphthalene	9.310	162	1584423	46.928	ng		99
48) 2-Nitroaniline	9.404	65	434235	49.051	ng		95
49) Acenaphthylene	9.727	152	2300924	47.341	ng		99
50) Dimethylphthalate	9.592	163	1771217	47.363	ng		100
51) 2,6-Dinitrotoluene	9.645	165	382604	50.003	ng		96
52) Acenaphthene	9.898	154	1557911	47.414	ng		100
53) 3-Nitroaniline	9.816	138	410444	49.386	ng		96
54) 2,4-Dinitrophenol	9.916	184	121967	49.996	ng	#	6
55) Dibenzofuran	10.069	168	2165075	46.887	ng		99
56) 4-Nitrophenol	9.963	139	337300	52.728	ng		97
57) 2,4-Dinitrotoluene	10.051	165	463773	49.535	ng		100
58) Fluorene	10.410	166	1628964	45.492	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.180	232	436271	49.455	ng		100
60) Diethylphthalate	10.286	149	1748454	47.359	ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	796072	46.203	ng		99
62) 4-Nitroaniline	10.427	138	412091	49.614	ng		99
63) Azobenzene	10.569	77	1840946	47.507	ng		99
65) 4,6-Dinitro-2-methylph...	10.457	198	193168	48.976	ng		97
66) n-Nitrosodiphenylamine	10.522	169	1463039	47.193	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	521276	48.981	ng		97
68) Hexachlorobenzene	10.957	284	567592	48.368	ng		98
69) Atrazine	11.051	200	362786	41.889	ng		98
70) Pentachlorophenol	11.145	266	383398	52.476	ng		99
71) Phenanthrene	11.374	178	2417558	46.658	ng		99
72) Anthracene	11.427	178	2370103	46.682	ng		100
73) Carbazole	11.574	167	2272076	46.552	ng		100
74) Di-n-butylphthalate	11.916	149	2595020	46.746	ng		100
75) Fluoranthene	12.557	202	2583438	45.972	ng		99
77) Benzidine	12.680	184	651097	51.801	ng		100
78) Pyrene	12.786	202	2651339	50.973	ng		100
80) Butylbenzylphthalate	13.415	149	1016502	53.519	ng		99
81) Benzo(a)anthracene	13.974	228	1991732	48.052	ng		100
82) 3,3'-Dichlorobenzidine	13.939	252	568561	45.655	ng		100
83) Chrysene	14.015	228	1774901	47.501	ng		99
84) Bis(2-ethylhexyl)phtha...	13.974	149	1230112	49.929	ng		100
85) Di-n-octyl phthalate	14.598	149	1740215	48.803	ng		99
87) Indeno(1,2,3-cd)pyrene	16.898	276	1799974	55.447	ng		100
88) Benzo(b)fluoranthene	15.021	252	1682869	46.828	ng		100
89) Benzo(k)fluoranthene	15.051	252	1382080	49.069	ng		100
90) Benzo(a)pyrene	15.386	252	1349208	48.370	ng		99
91) Dibenzo(a,h)anthracene	16.921	278	1451477	55.158	ng		99
92) Benzo(g,h,i)perylene	17.339	276	1537634	56.337	ng		99

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

ICAL Form

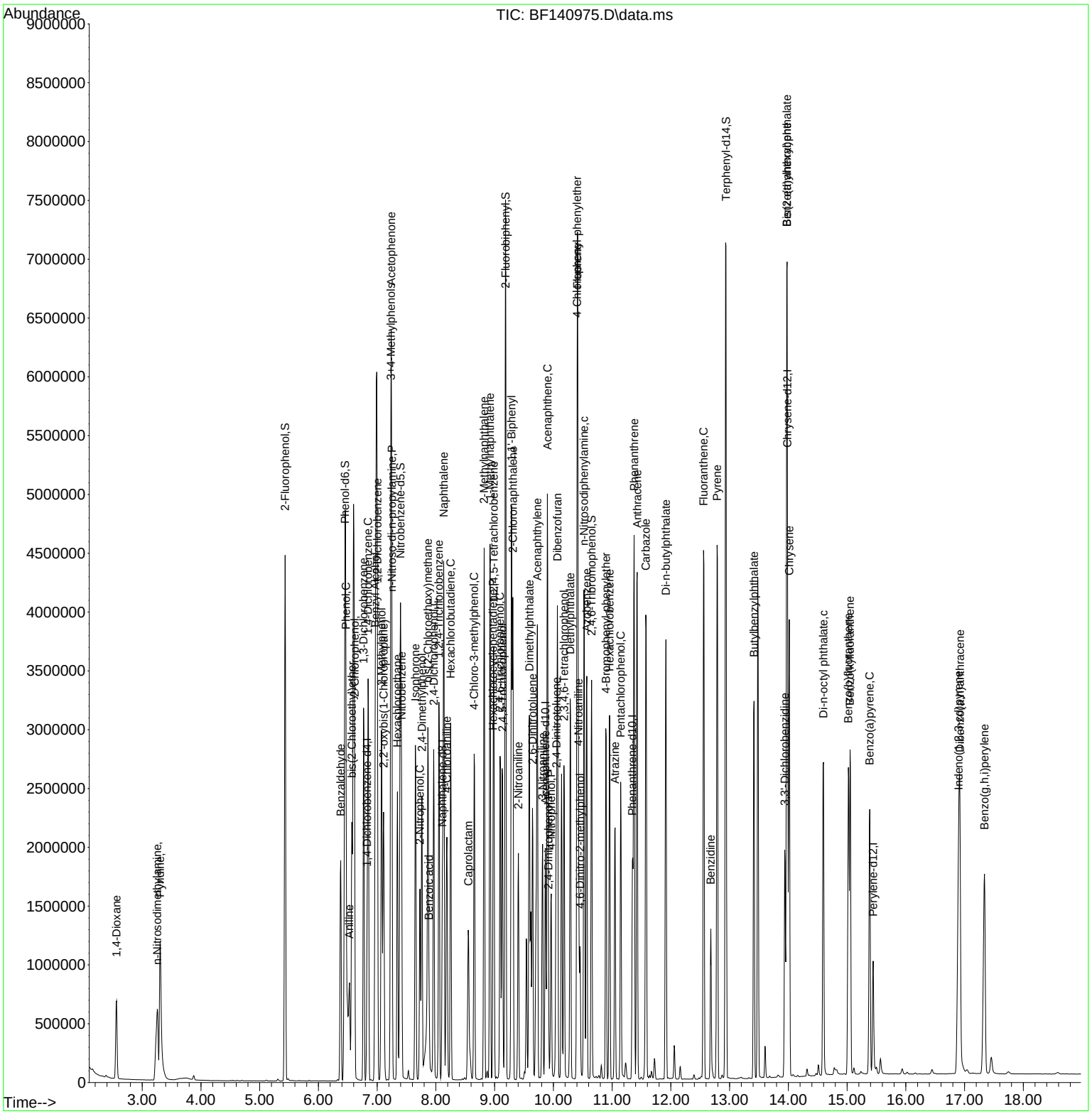
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140975.D
Acq On : 26 Dec 2024 18:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

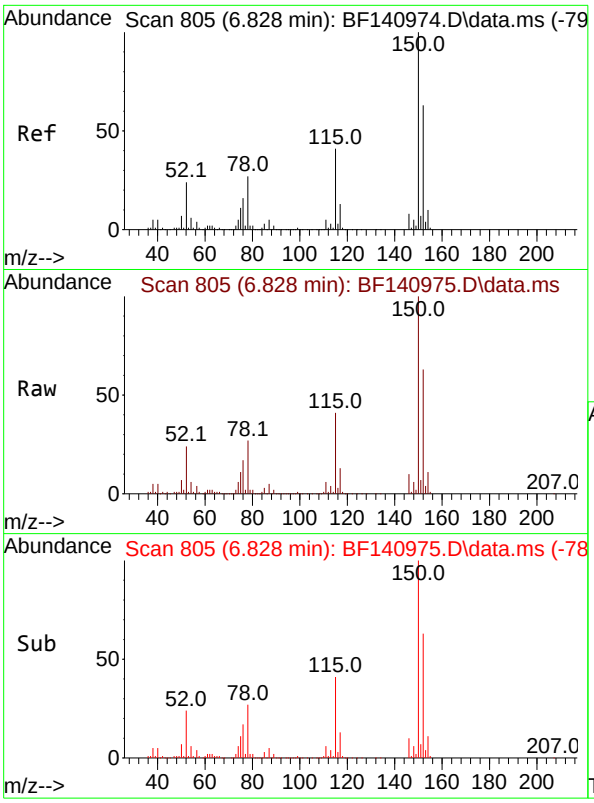
Quant Time: Dec 27 00:23:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

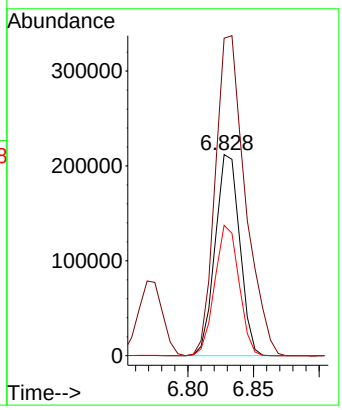




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:152 Resp: 27584

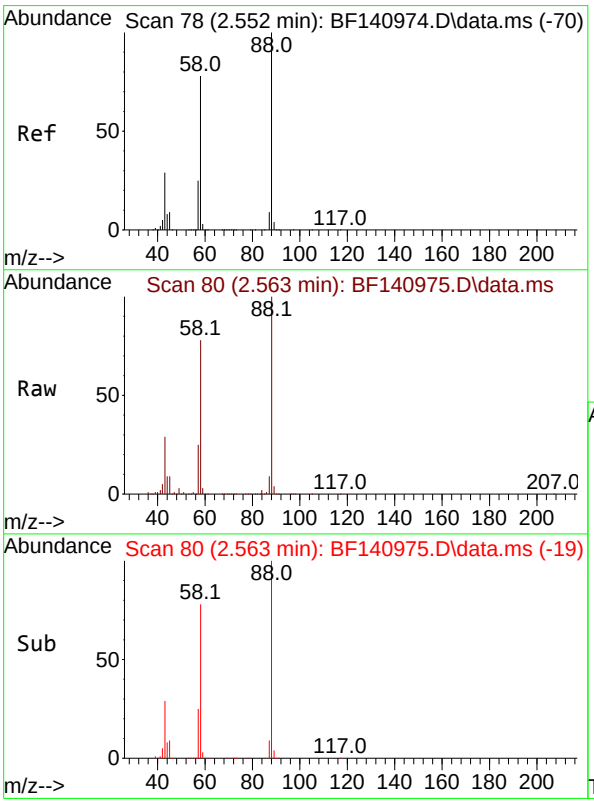
Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.0	190.6
115	64.8	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

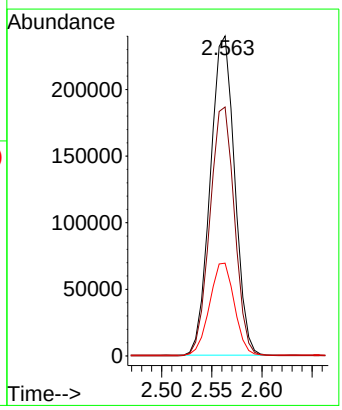
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

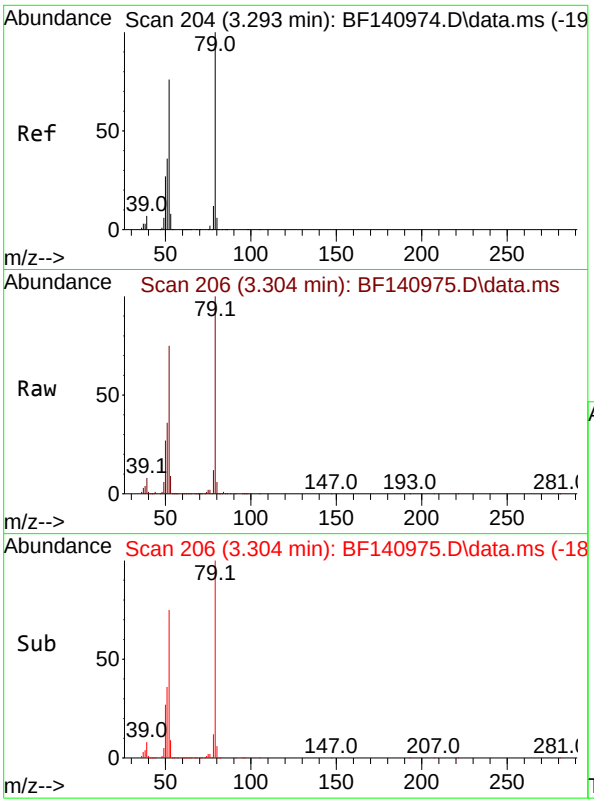


#2
1,4-Dioxane
Concen: 48.826 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.012 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 88 Resp: 404513

Ion	Ratio	Lower	Upper
88	100		
58	78.9	63.0	94.4
43	29.4	23.4	35.2

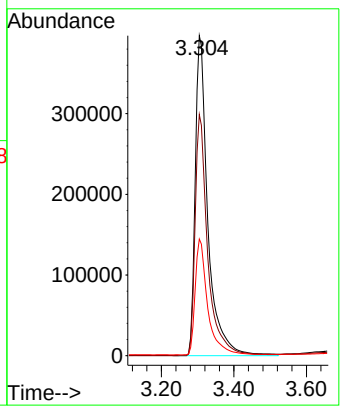




#3
Pyridine
Concen: 47.465 ng
RT: 3.304 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 79 Resp: 96101

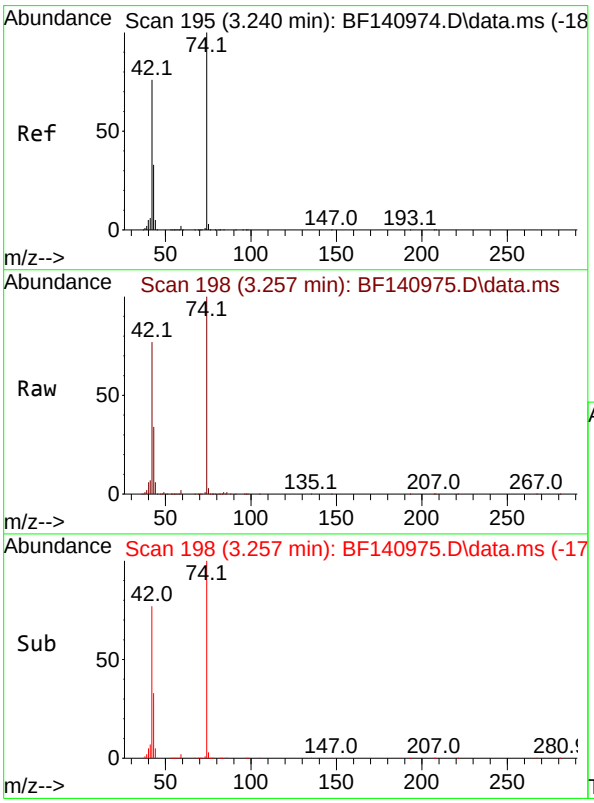
Ion	Ratio	Lower	Upper
79	100		
52	75.4	60.4	90.6
51	36.4	28.8	43.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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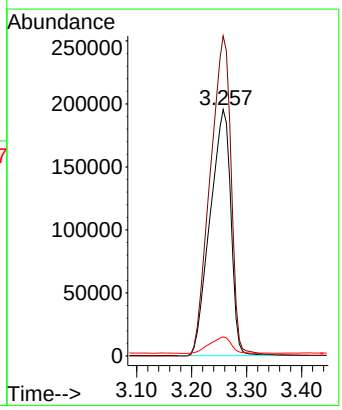
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

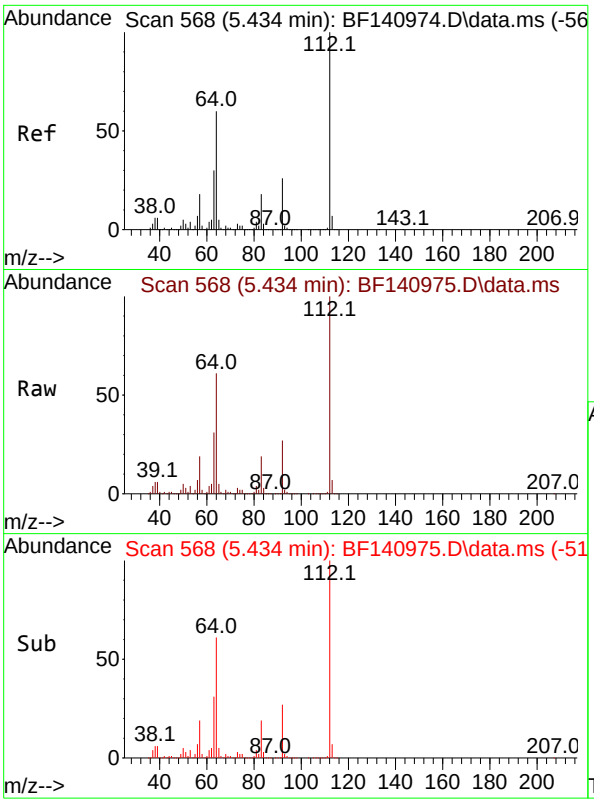


#4
n-Nitrosodimethylamine
Concen: 49.886 ng
RT: 3.257 min Scan# 198
Delta R.T. 0.017 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 42 Resp: 511762

Ion	Ratio	Lower	Upper
42	100		
74	129.9	105.8	158.6
44	7.7	6.6	10.0





#5
2-Fluorophenol
Concen: 94.827 ng
RT: 5.434 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

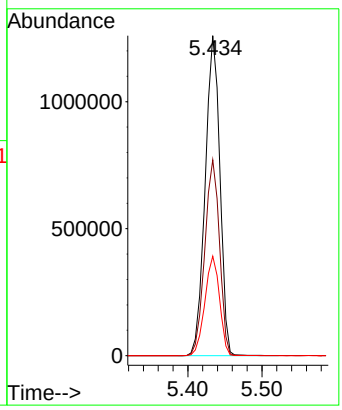
Tgt Ion:112 Resp: 173529

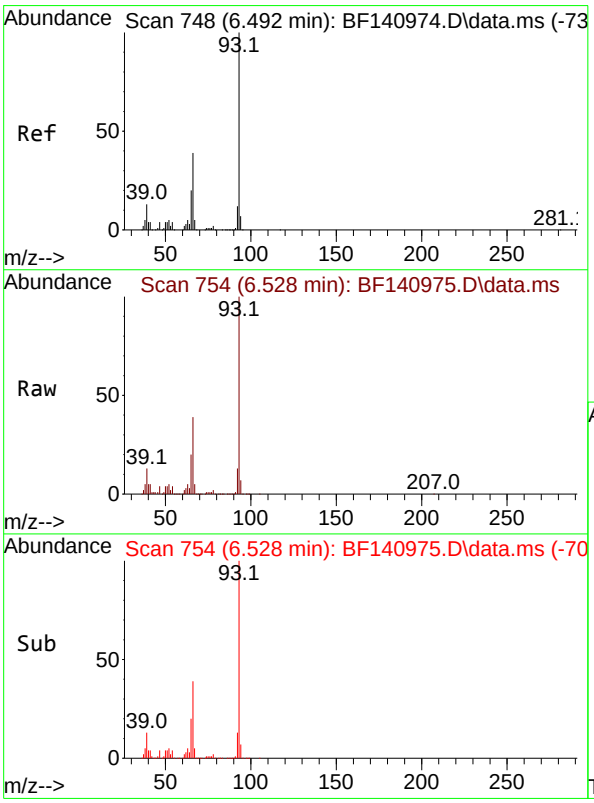
Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.7	71.5
63	31.1	24.2	36.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

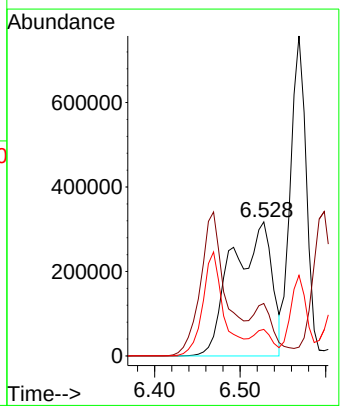


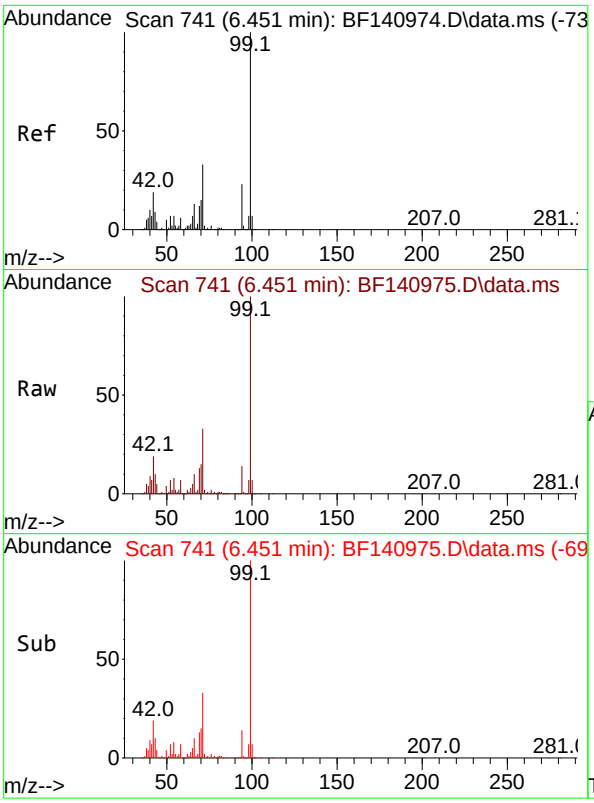


#6
Aniline
Concen: 48.540 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.017 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 93 Resp: 1020551

Ion	Ratio	Lower	Upper
93	100		
66	39.2	31.8	47.8
65	19.8	15.4	23.0

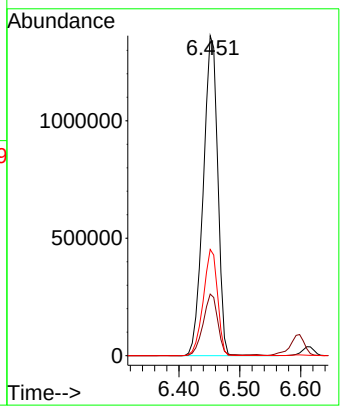




#7
Phenol-d6
Concen: 95.051 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 99 Resp: 224071

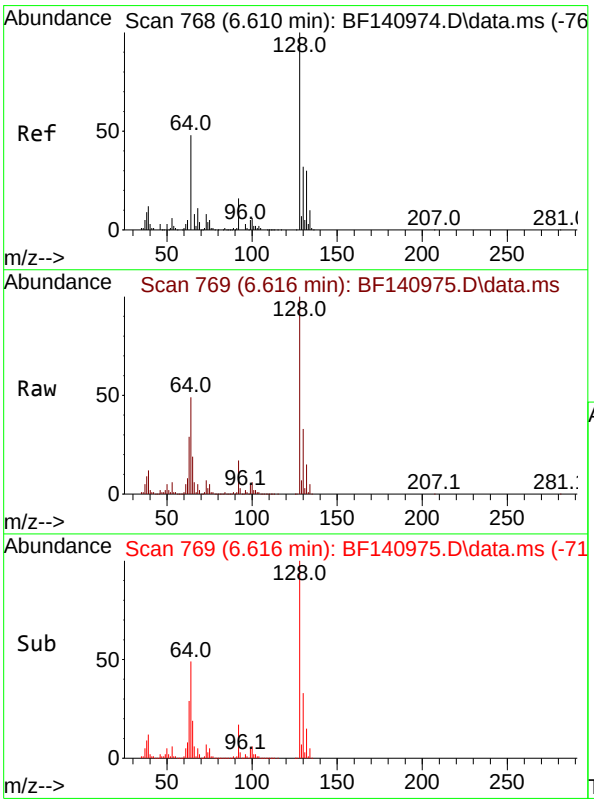
Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.0	22.4
71	33.2	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

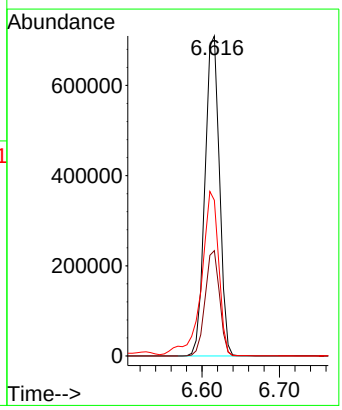
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

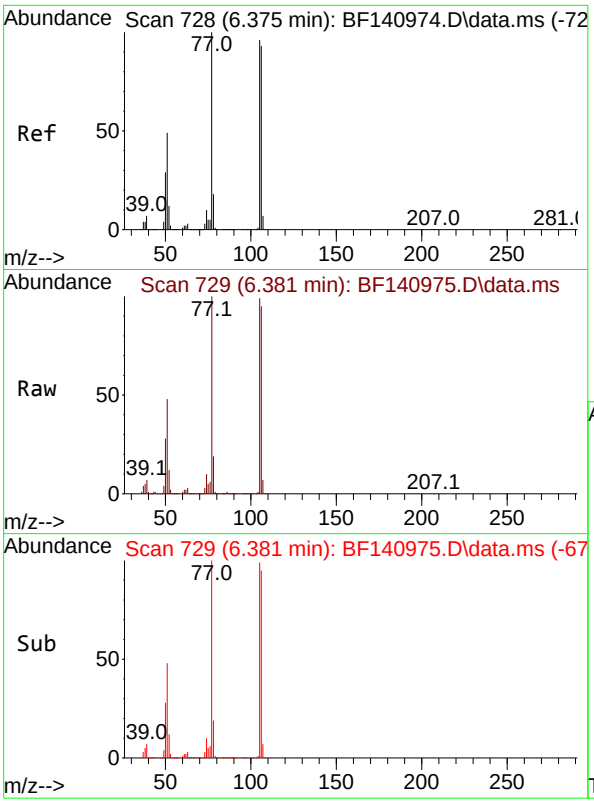


#8
2-Chlorophenol
Concen: 47.791 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:128 Resp: 922056

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.2	52.2
64	48.6	30.3	70.3

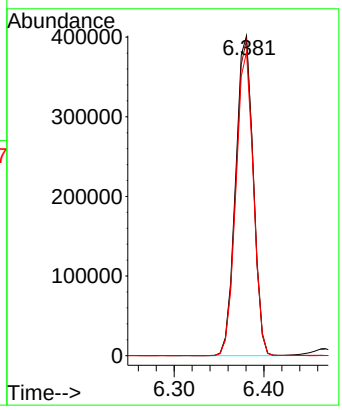




#9
Benzaldehyde
Concen: 49.354 ng
RT: 6.381 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 77 Resp: 54647

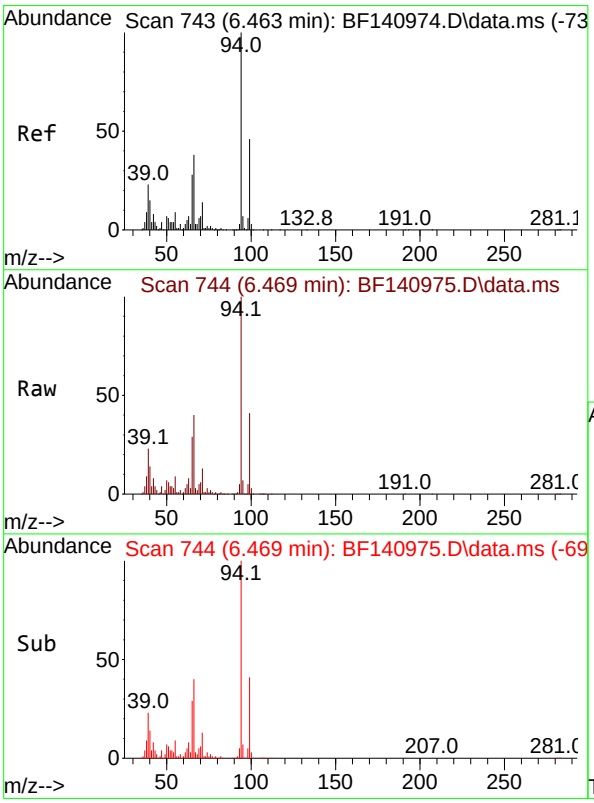
Ion	Ratio	Lower	Upper
77	100		
105	98.8	76.2	116.2
106	94.8	73.4	113.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

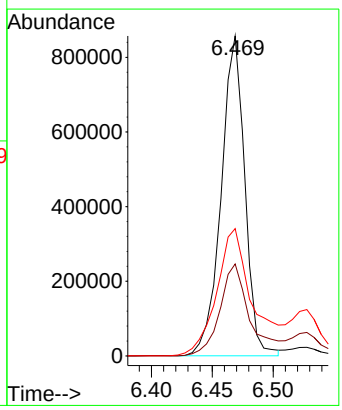
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

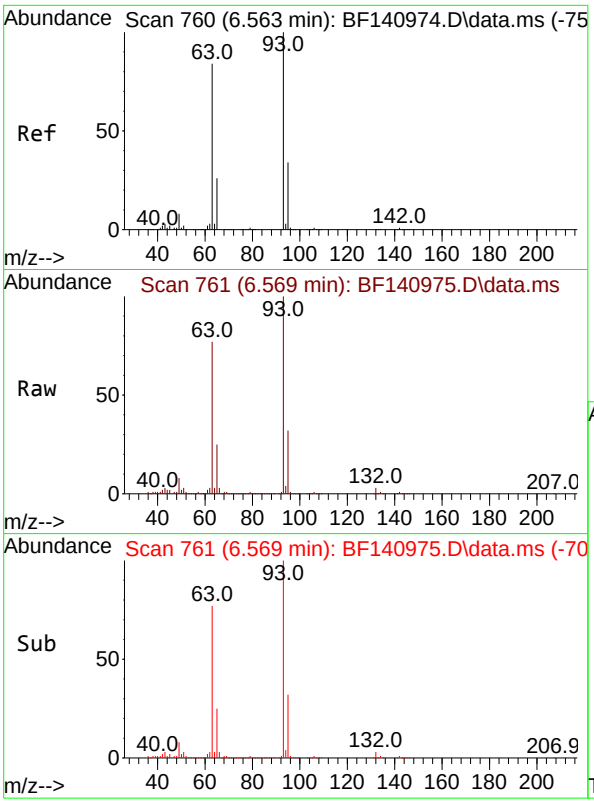


#10
Phenol
Concen: 47.608 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 94 Resp: 1160486

Ion	Ratio	Lower	Upper
94	100		
65	28.7	8.1	48.1
66	39.8	18.7	58.7

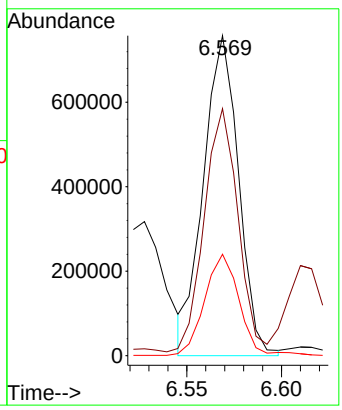




#11
bis(2-Chloroethyl)ether
Concen: 49.665 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 93 Resp: 97660

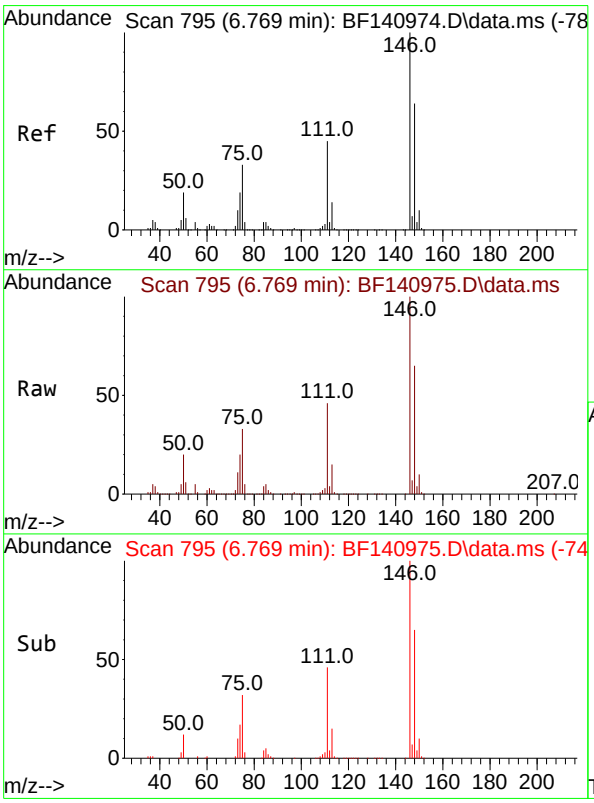
Ion	Ratio	Lower	Upper
93	100		
63	77.2	60.3	100.3
95	31.7	12.2	52.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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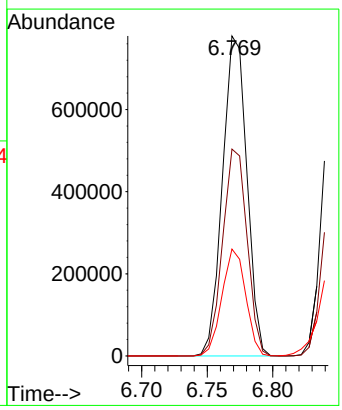
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

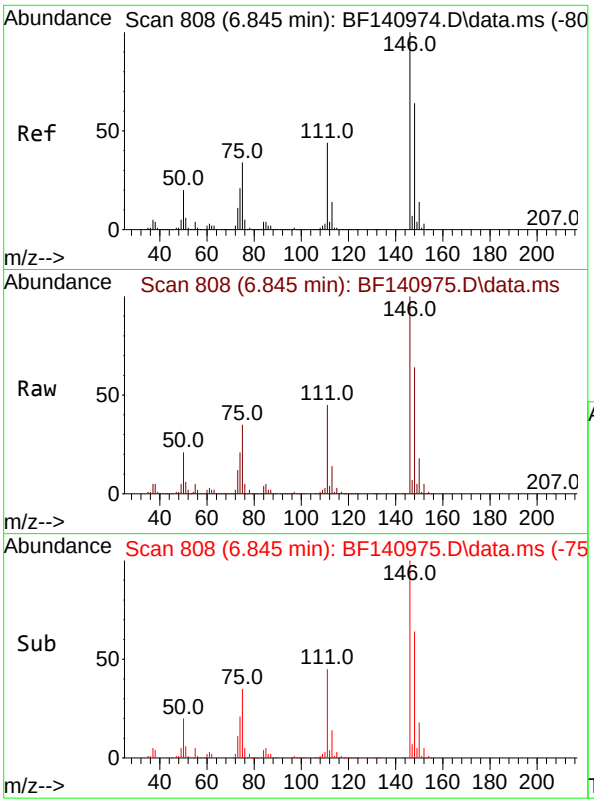


#12
1,3-Dichlorobenzene
Concen: 47.362 ng
RT: 6.769 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:146 Resp: 1008461

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.4
75	33.4	26.1	39.1

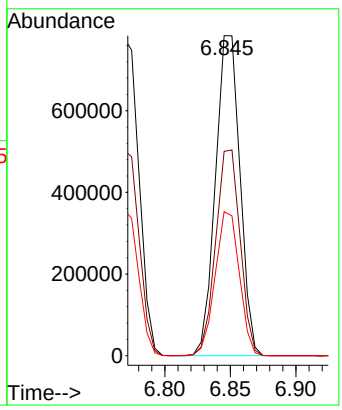




#13
1,4-Dichlorobenzene
Concen: 47.467 ng
RT: 6.845 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:146 Resp: 101887

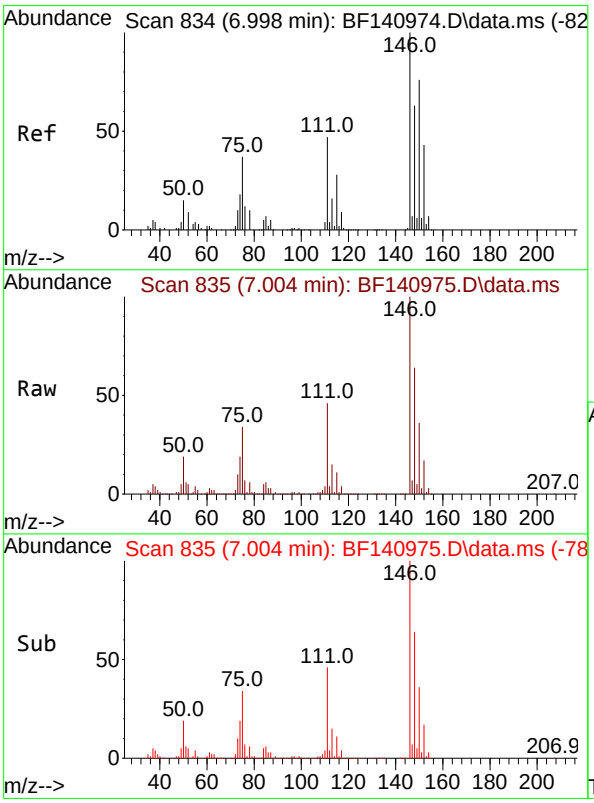
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.3	76.9
111	45.0	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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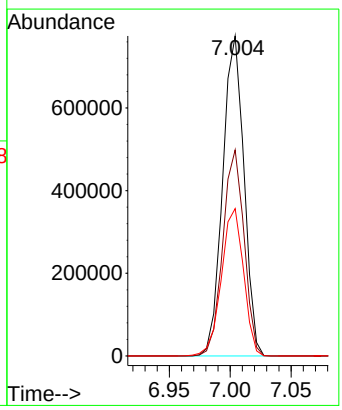
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

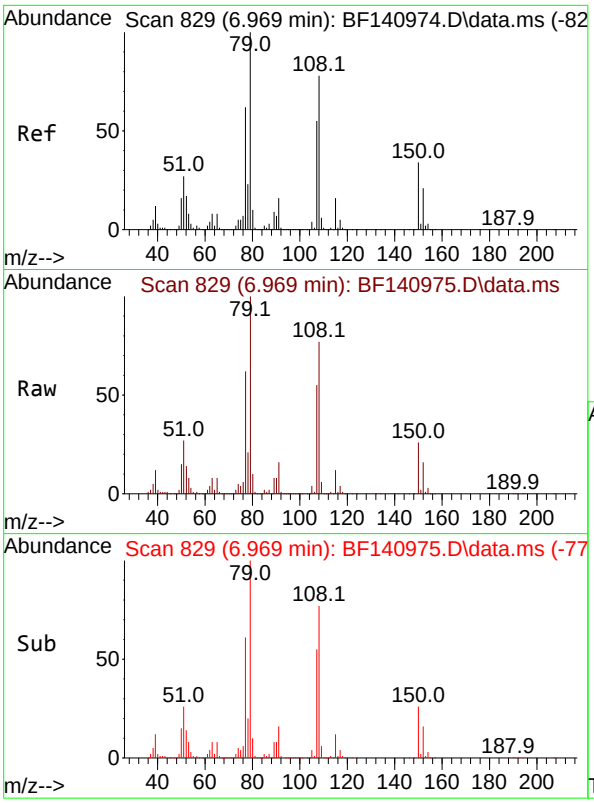


#14
1,2-Dichlorobenzene
Concen: 47.085 ng
RT: 7.004 min Scan# 835
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:146 Resp: 942310

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.6	76.0
111	46.1	37.3	55.9





#15
Benzyl Alcohol
Concen: 48.792 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

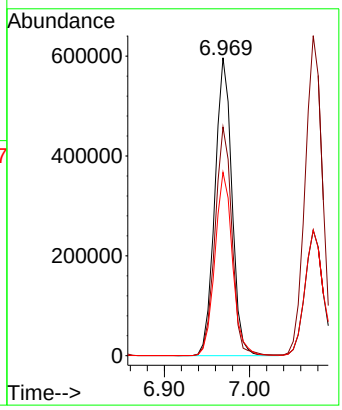
Tgt Ion: 79 Resp: 82654

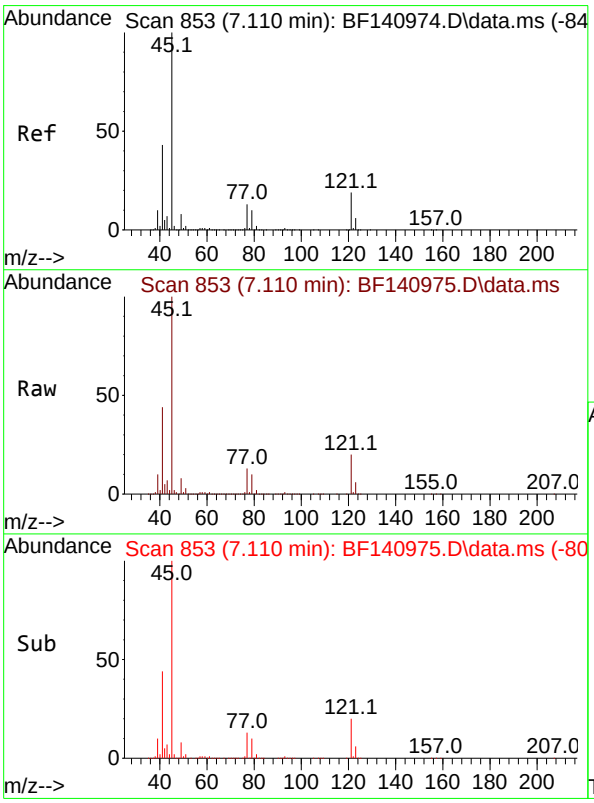
Ion	Ratio	Lower	Upper
79	100		
108	76.8	62.5	93.7
77	61.5	49.3	73.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

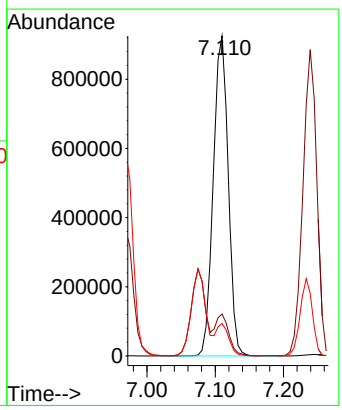


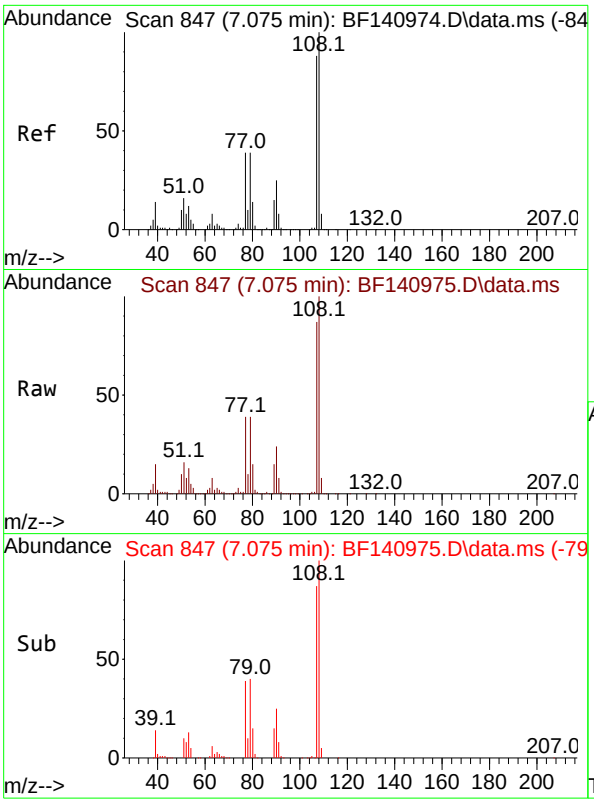


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.443 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 45 Resp: 1412151

Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	33.1
79	10.2	0.0	30.1

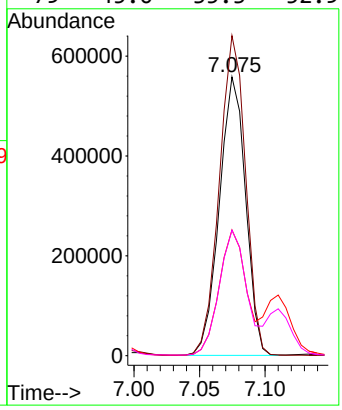




#17
2-Methylphenol
Concen: 48.390 ng
RT: 7.075 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:107 Resp: 77561

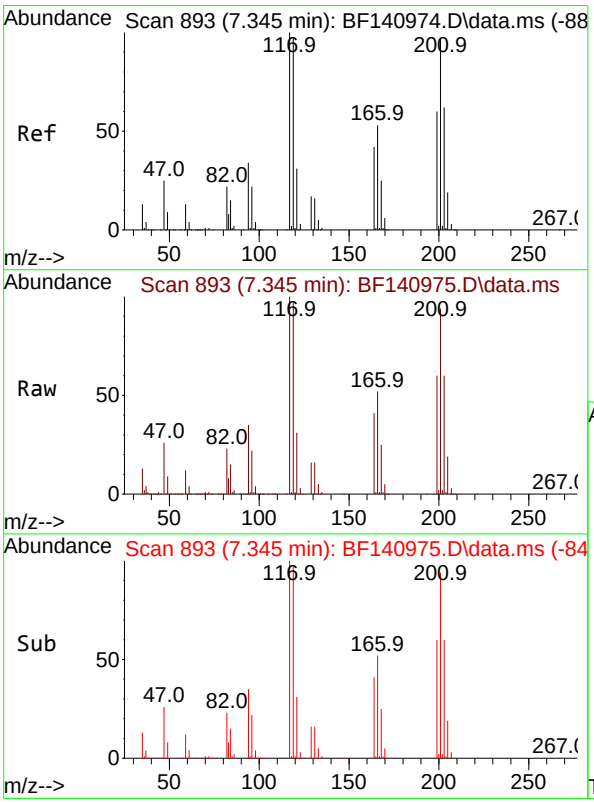
Ion	Ratio	Lower	Upper
107	100		
108	114.8	90.6	136.0
77	45.1	35.3	52.9
79	45.0	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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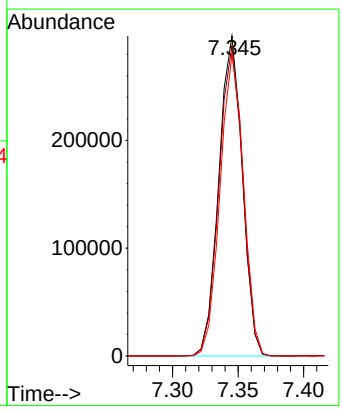
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

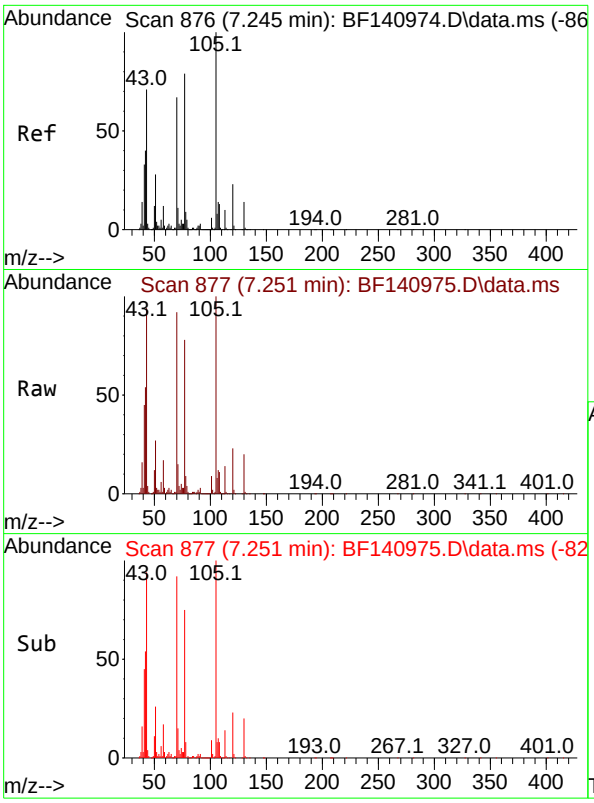


#18
Hexachloroethane
Concen: 48.670 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:117 Resp: 371106

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
201	94.2	77.4	116.2

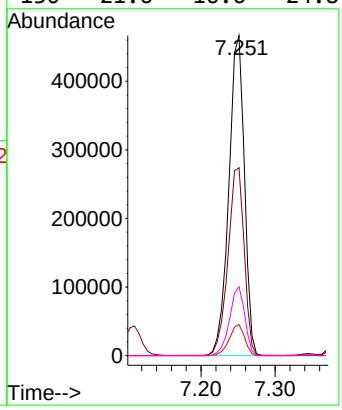




#19
n-Nitroso-di-n-propylamine
Concen: 47.195 ng
RT: 7.251 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 70 Resp: 68159

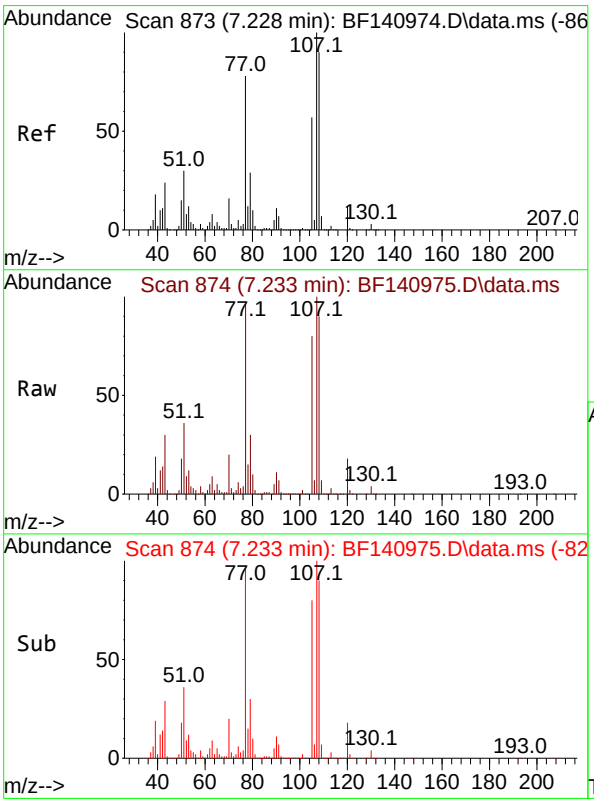
Ion	Ratio	Lower	Upper
70	100		
42	58.8	48.1	72.1
101	9.7	7.6	11.4
130	21.6	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

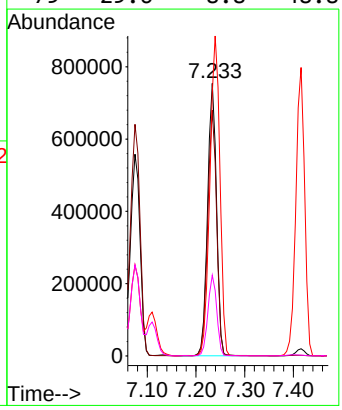
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

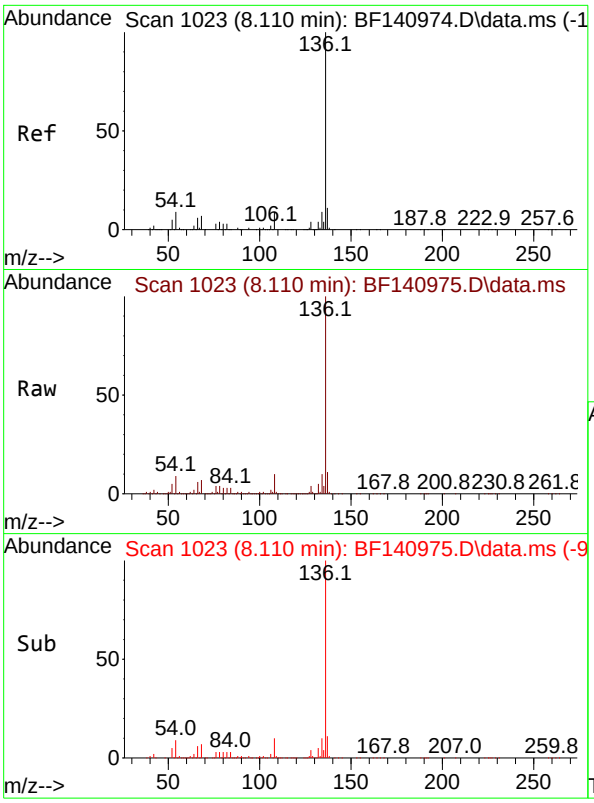


#20
3+4-Methylphenols
Concen: 47.163 ng
RT: 7.233 min Scan# 874
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:107 Resp: 956631

Ion	Ratio	Lower	Upper
107	100		
108	90.1	69.6	109.6
77	96.2	57.6	97.6
79	29.6	8.8	48.8

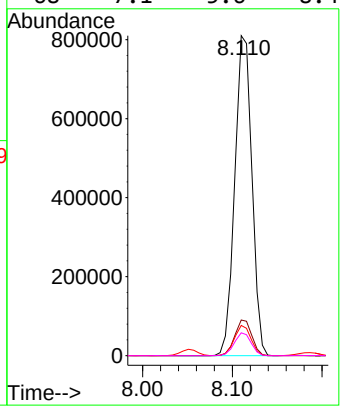




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:136 Resp: 107498

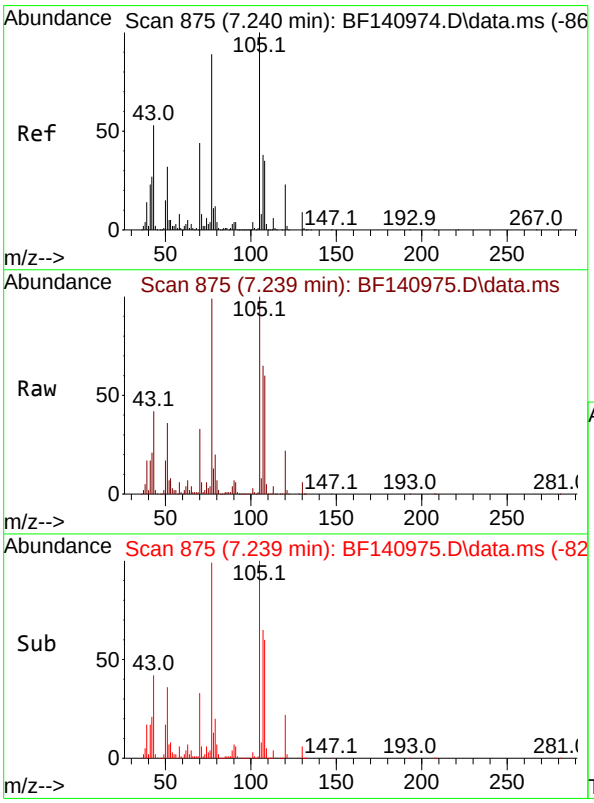
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.4	7.6	11.4
68	7.1	5.6	8.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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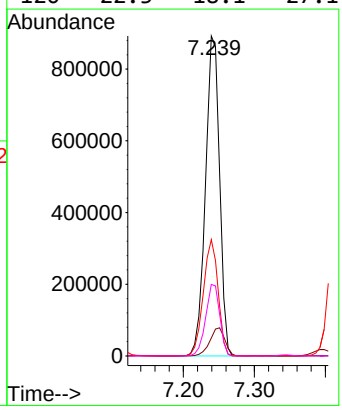
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

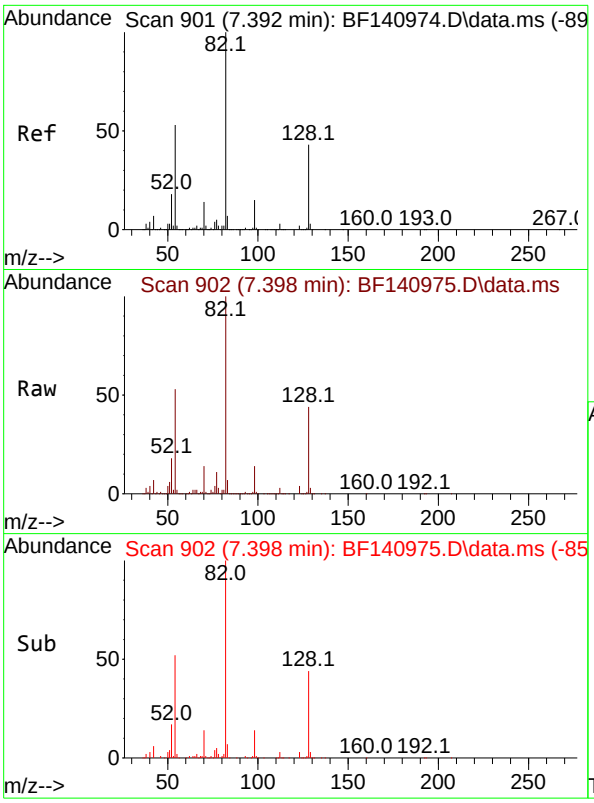


#22
Acetophenone
Concen: 46.789 ng
RT: 7.239 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:105 Resp: 1233868

Ion	Ratio	Lower	Upper
105	100		
71	5.6	6.1	9.1#
51	36.3	25.8	38.6
120	22.3	18.1	27.1

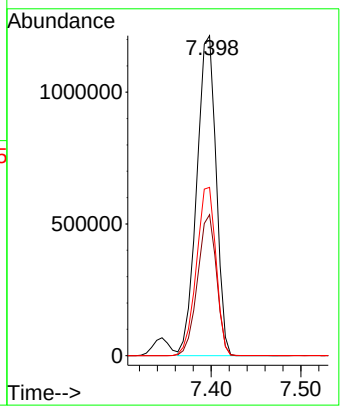




#23
Nitrobenzene-d5
Concen: 107.979 ng
RT: 7.398 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 82 Resp: 181431

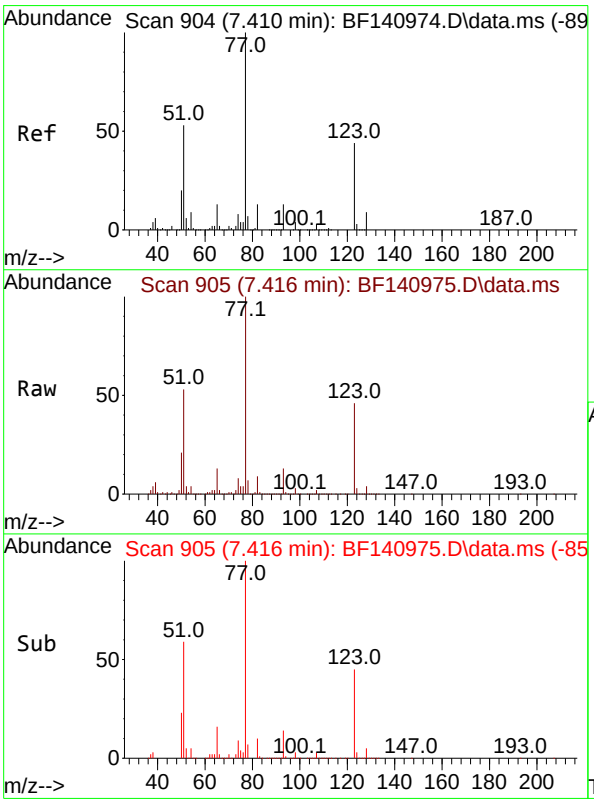
Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.4	51.6
54	52.6	42.4	63.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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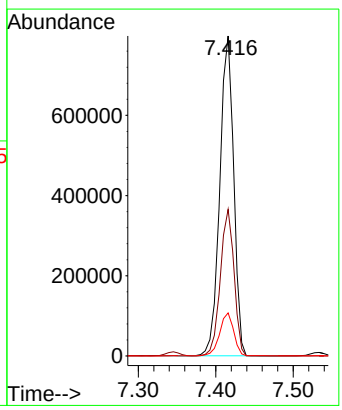
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

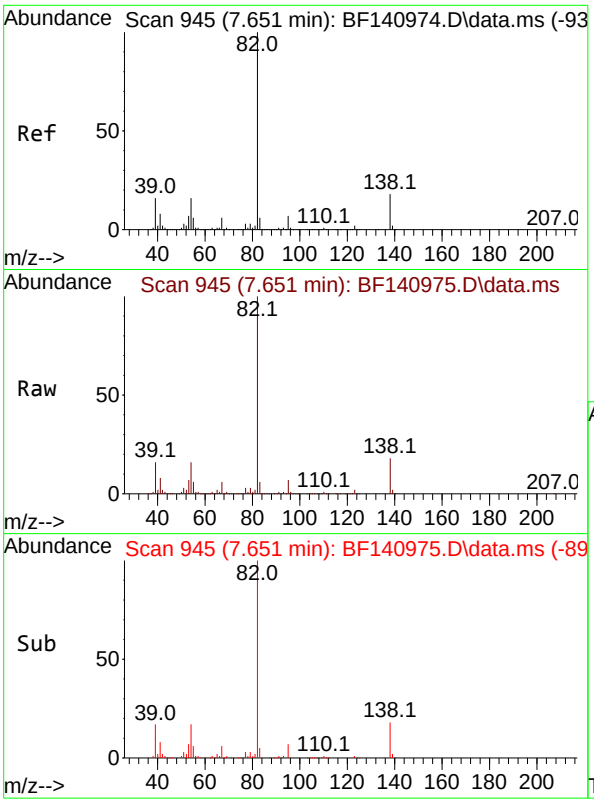


#24
Nitrobenzene
Concen: 53.126 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 77 Resp: 997447

Ion	Ratio	Lower	Upper
77	100		
123	45.8	35.4	53.2
65	13.5	10.7	16.1

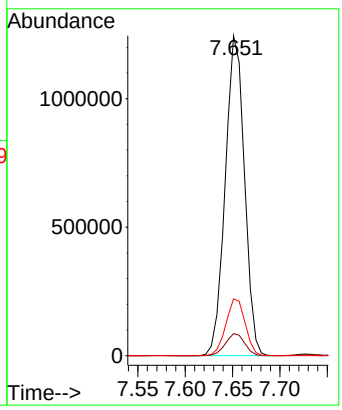




#25
Isophorone
Concen: 48.082 ng
RT: 7.651 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 82 Resp: 175802

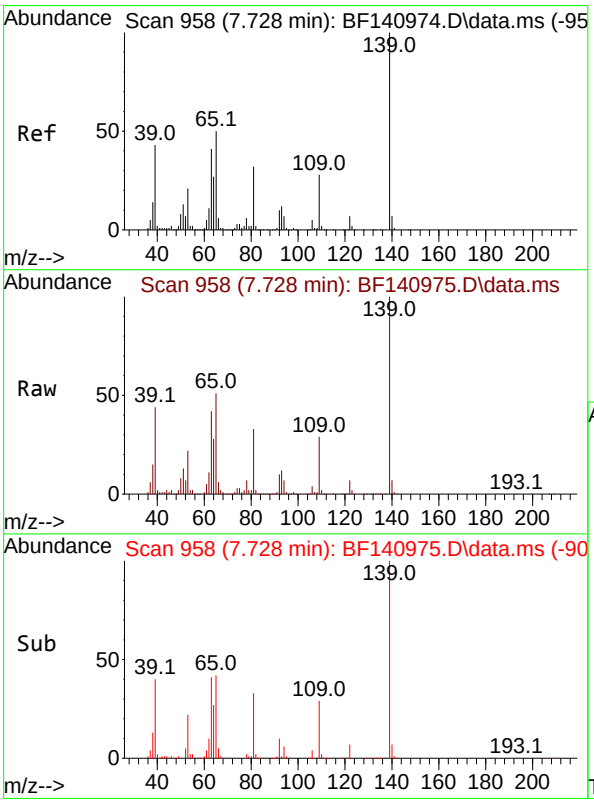
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.6	8.4
138	17.7	14.6	21.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

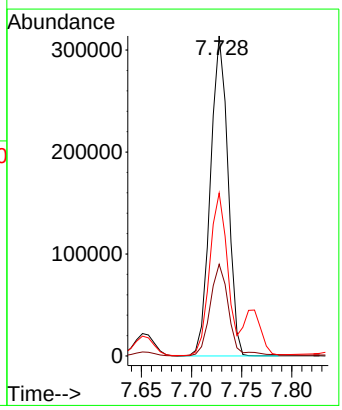
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

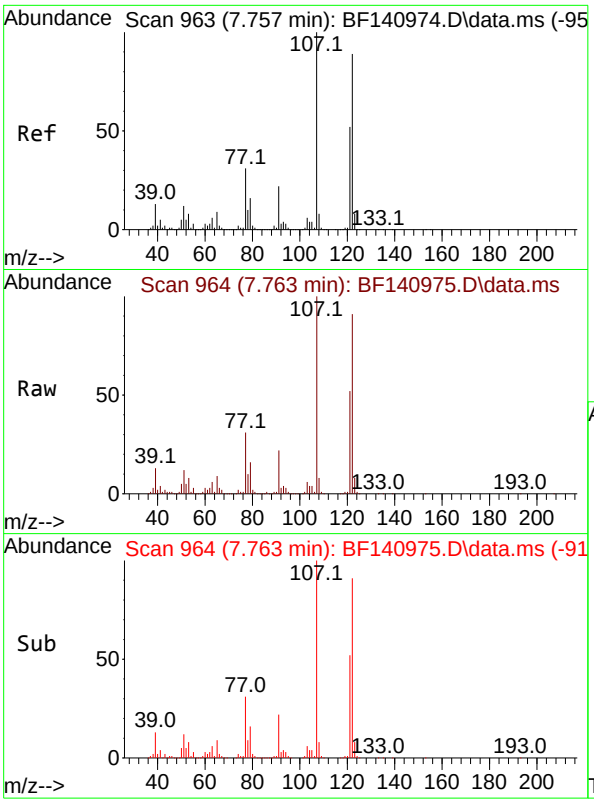


#26
2-Nitrophenol
Concen: 49.366 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:139 Resp: 381135

Ion	Ratio	Lower	Upper
139	100		
109	28.7	22.2	33.4
65	50.9	40.2	60.4

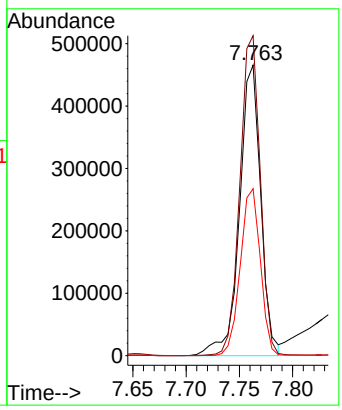




#27
2,4-Dimethylphenol
Concen: 48.497 ng
RT: 7.763 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:122 Resp: 64805

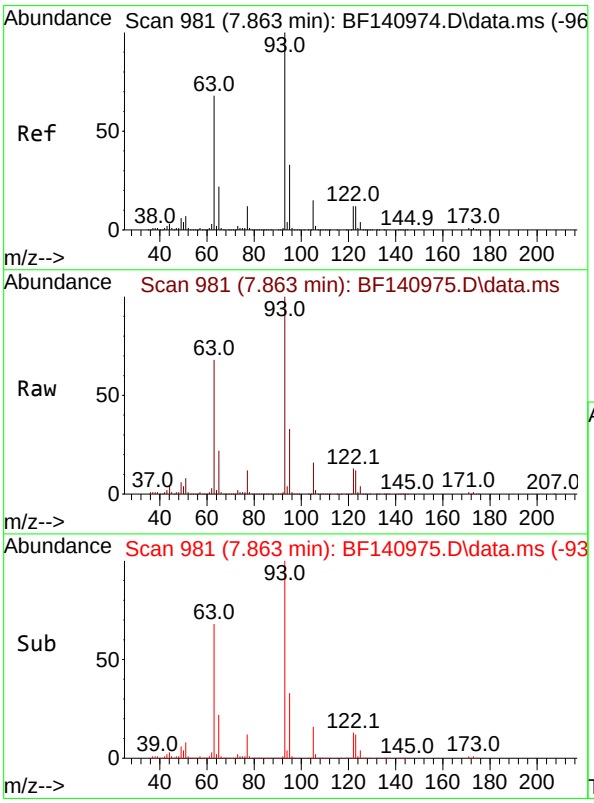
Ion	Ratio	Lower	Upper
122	100		
107	110.1	89.4	134.2
121	57.5	46.7	70.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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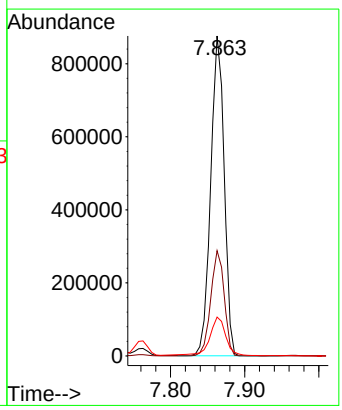
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

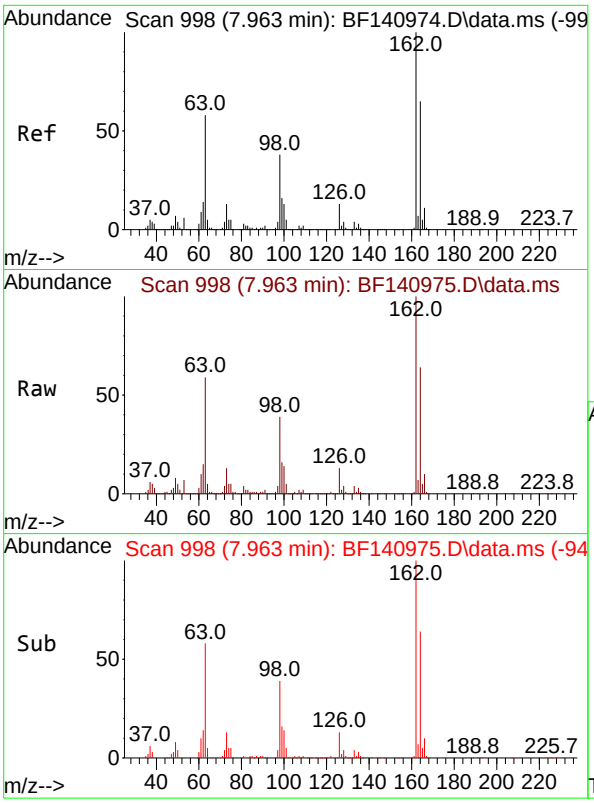


#28
bis(2-Chloroethoxy)methane
Concen: 47.823 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 93 Resp: 1107863

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.4
123	12.1	9.9	14.9





#29
2,4-Dichlorophenol
Concen: 49.847 ng
RT: 7.963 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

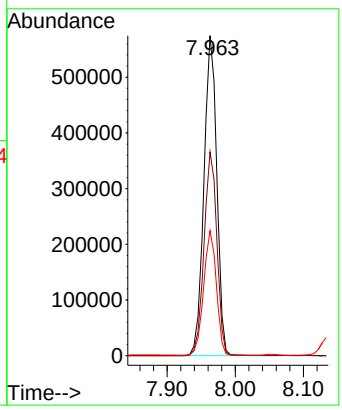
Tgt Ion:162 Resp: 75543

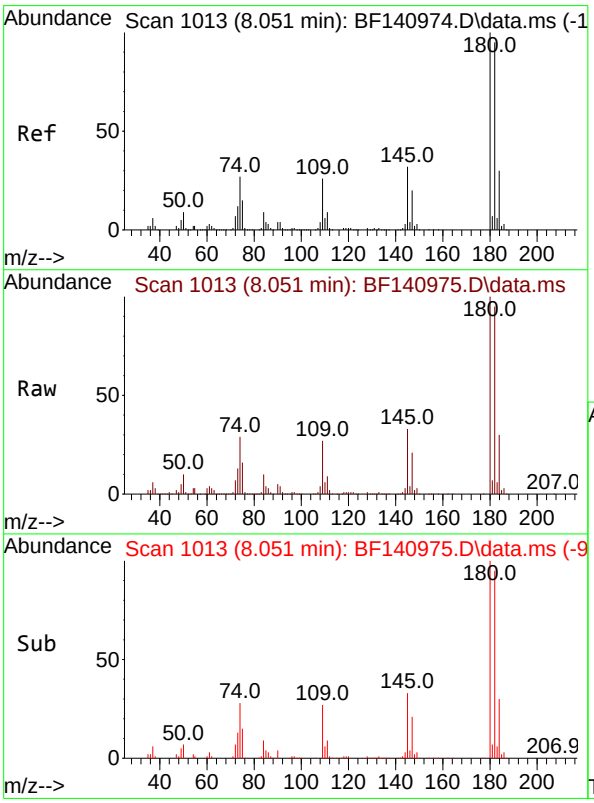
Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.8	84.8
98	39.1	18.6	58.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

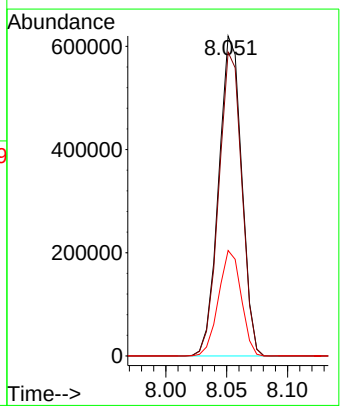


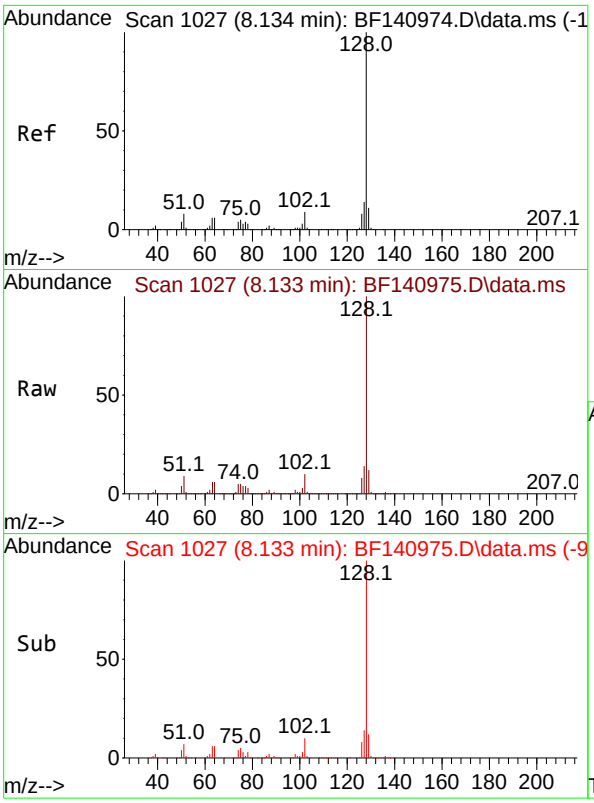


#30
1,2,4-Trichlorobenzene
Concen: 47.560 ng
RT: 8.051 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:180 Resp: 815821

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.4
145	32.9	25.4	38.2

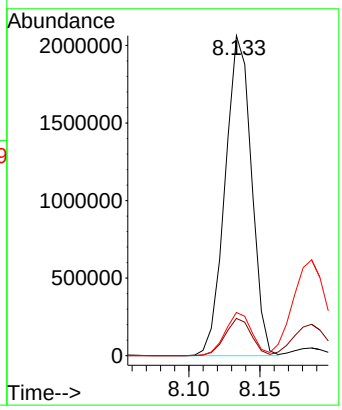




#31
Naphthalene
Concen: 46.905 ng
RT: 8.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:128 Resp: 265694

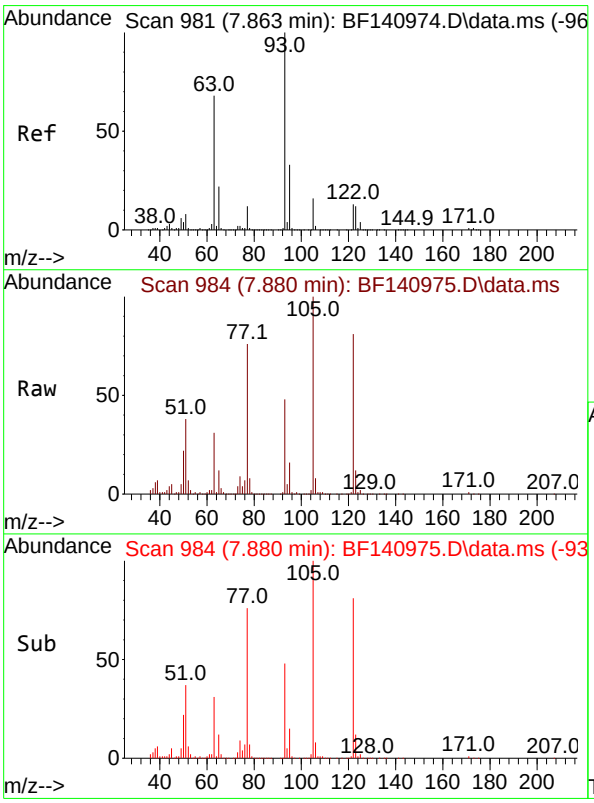
Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.2	13.8
127	13.5	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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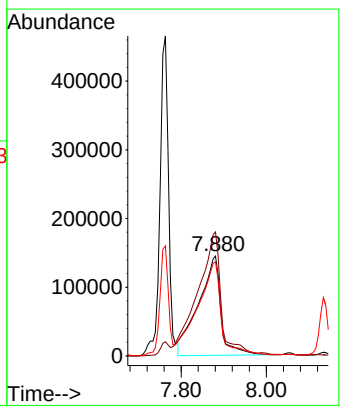
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

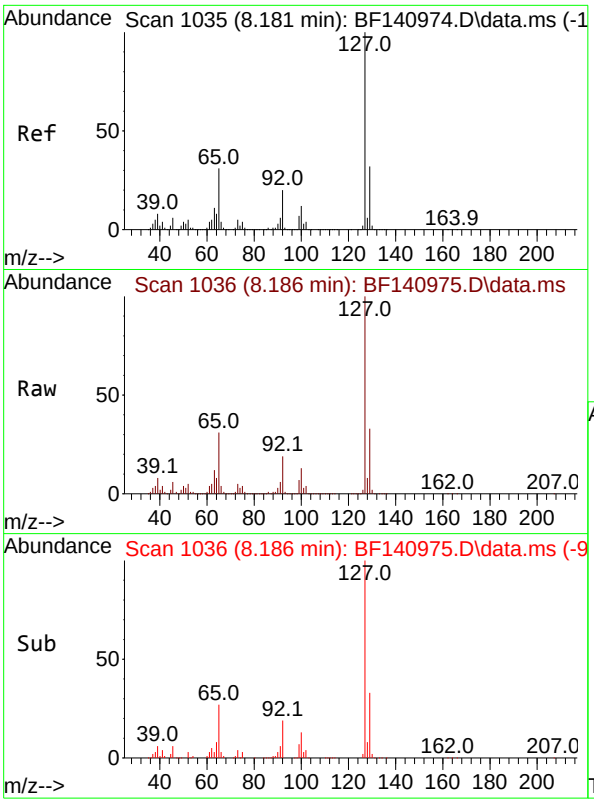


#32
Benzoic acid
Concen: 48.423 ng
RT: 7.880 min Scan# 984
Delta R.T. 0.017 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:122 Resp: 533388

Ion	Ratio	Lower	Upper
122	100		
105	124.1	105.4	145.4
77	94.3	76.4	116.4

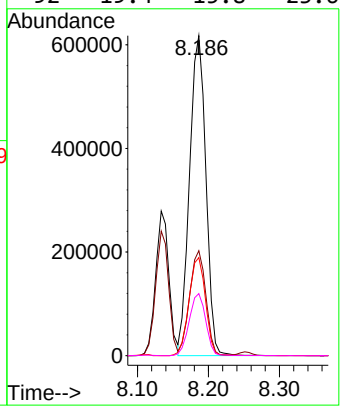




#33
4-Chloroaniline
Concen: 48.233 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:127 Resp: 98841

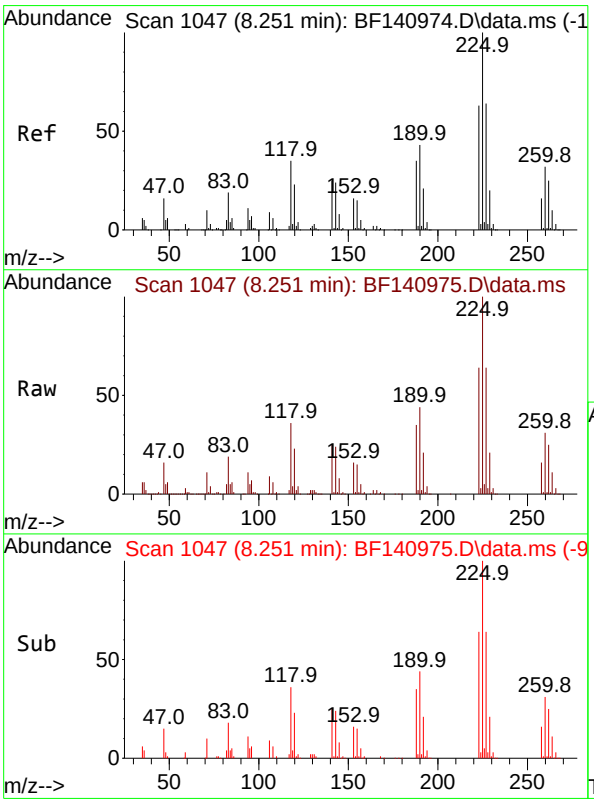
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.1	39.1
65	30.6	24.6	37.0
92	19.4	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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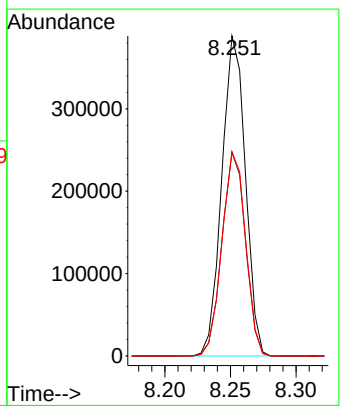
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

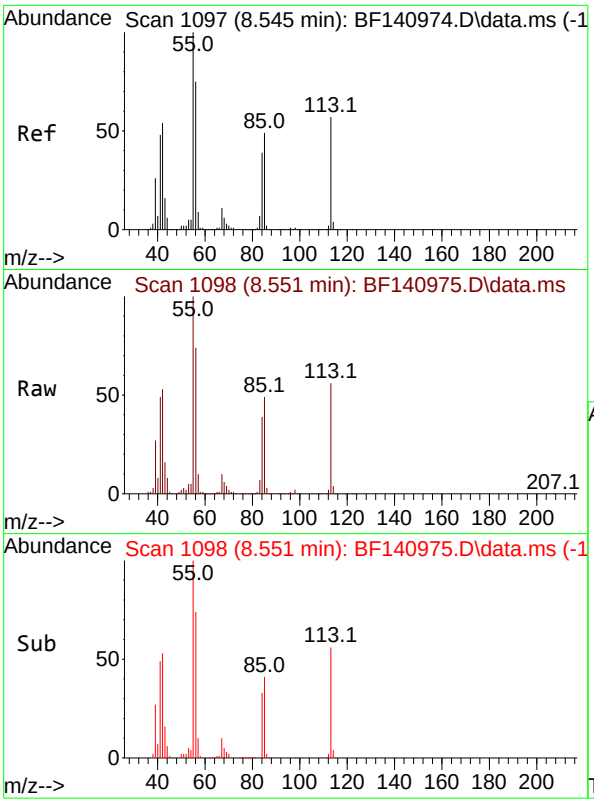


#34
Hexachlorobutadiene
Concen: 48.012 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:225 Resp: 485520

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	63.9	50.8	76.2





#35
Caprolactam
Concen: 48.876 ng m
RT: 8.551 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

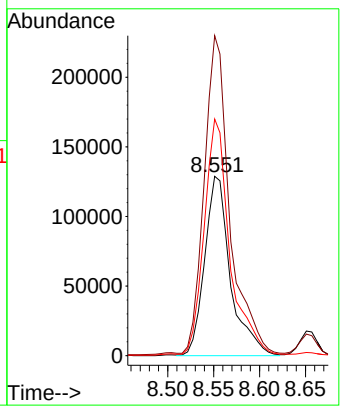
Tgt Ion:113 Resp: 25183

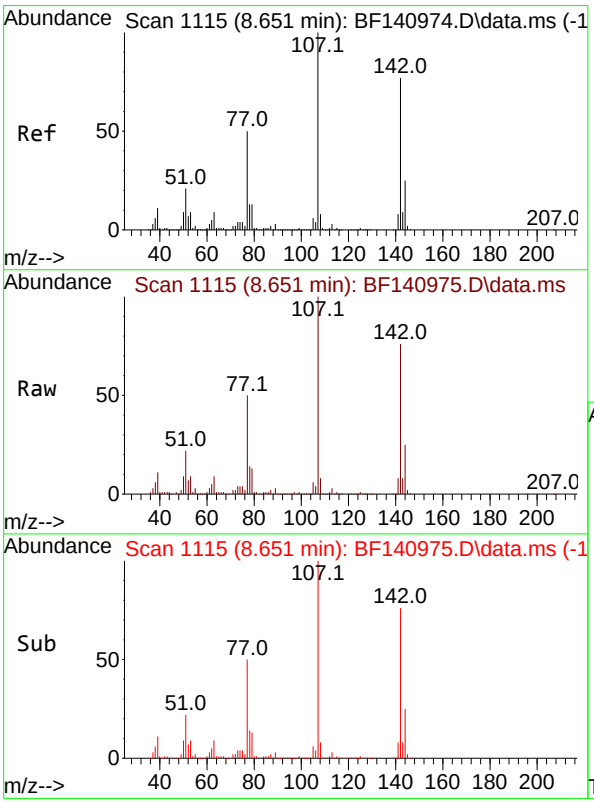
Ion	Ratio	Lower	Upper
113	100		
55	178.4	156.6	196.6
56	132.0	111.7	151.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

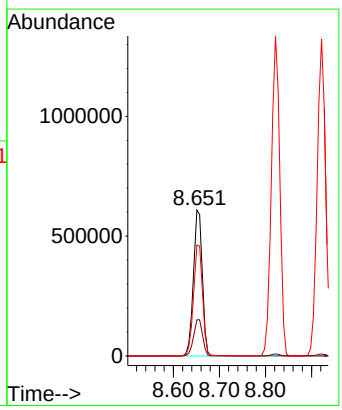


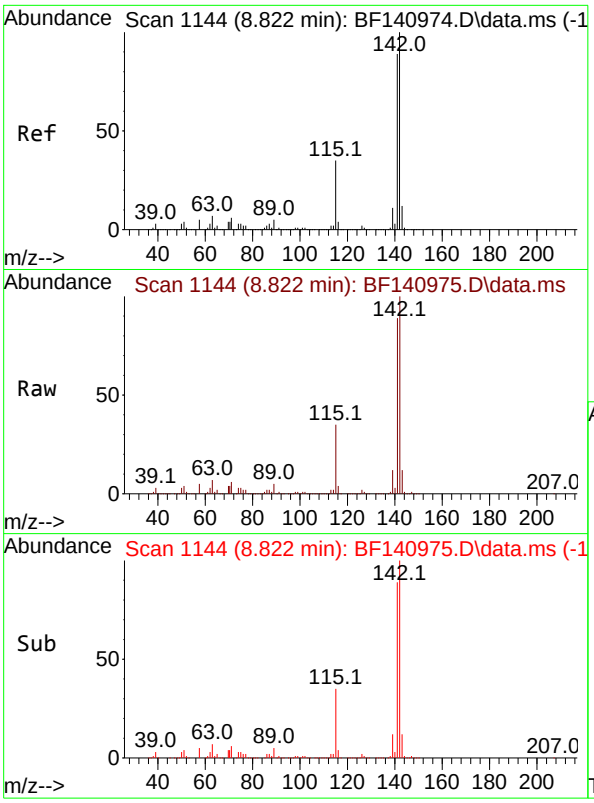


#36
4-Chloro-3-methylphenol
Concen: 48.589 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:107 Resp: 817788

Ion	Ratio	Lower	Upper
107	100		
144	24.8	19.9	29.9
142	75.9	61.8	92.8





#37
2-Methylnaphthalene
Concen: 46.676 ng
RT: 8.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

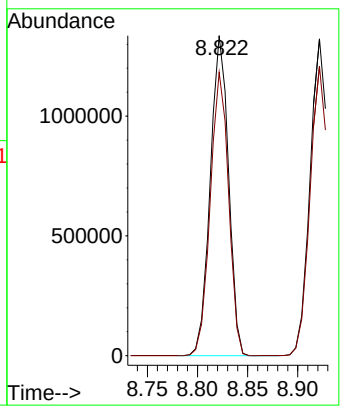
Tgt Ion:142 Resp: 169143

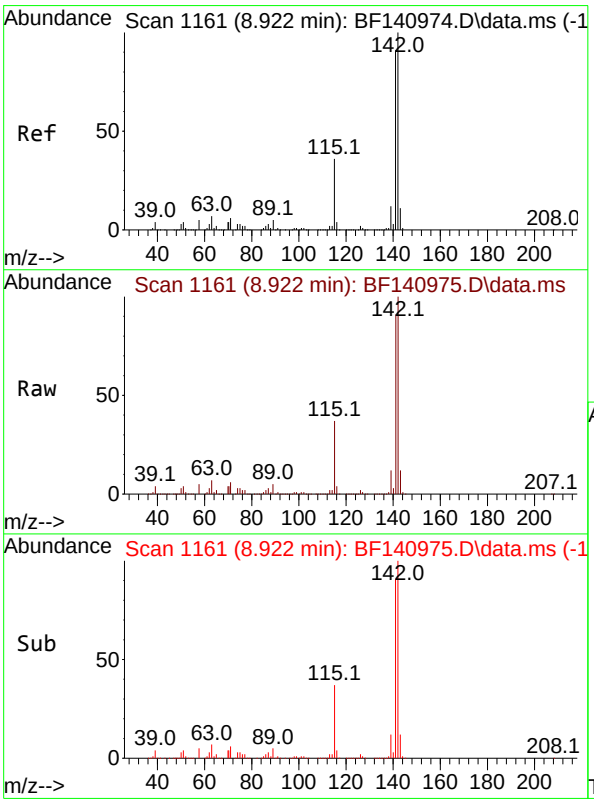
Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.1	106.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

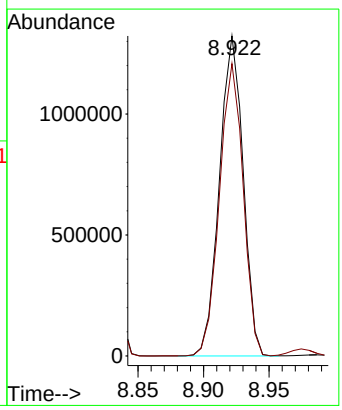


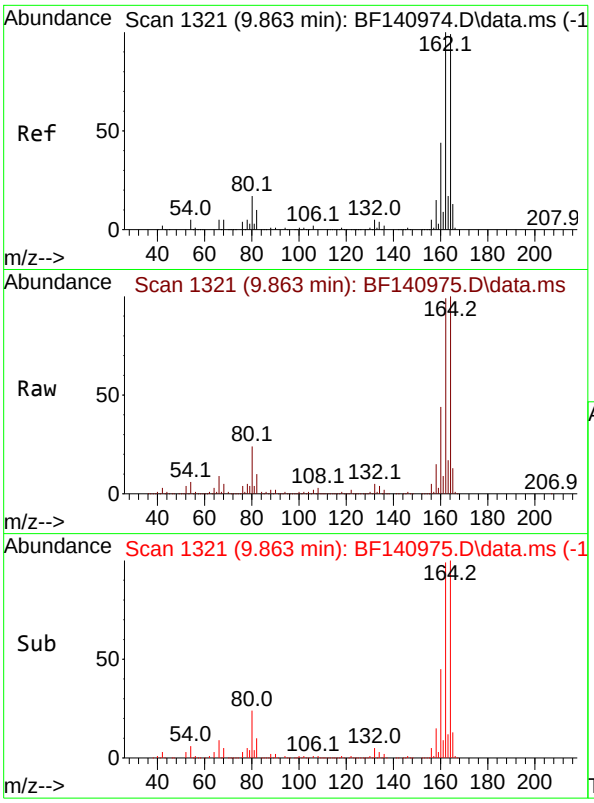


#38
1-Methylnaphthalene
Concen: 46.607 ng
RT: 8.922 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:142 Resp: 1659875

Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.7	109.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

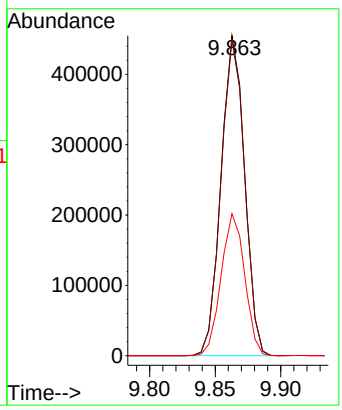
Tgt Ion:164 Resp: 56854

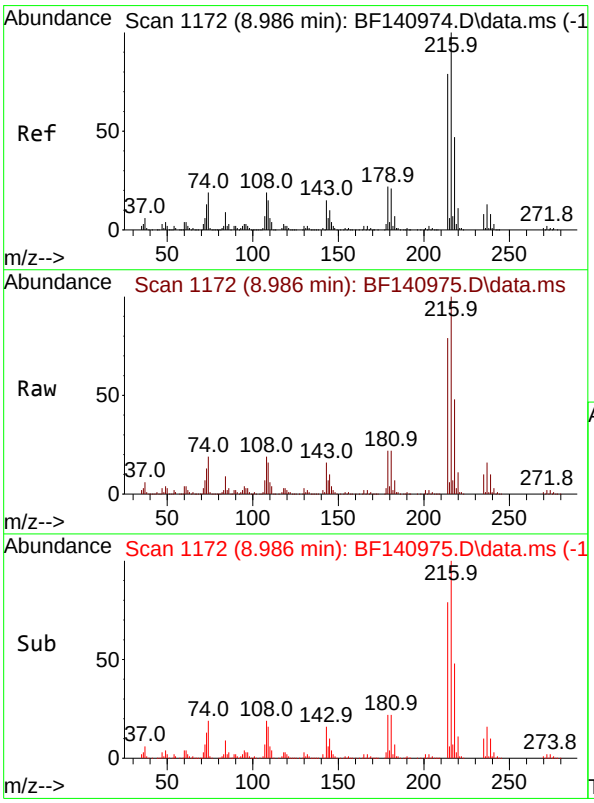
Ion	Ratio	Lower	Upper
164	100		
162	98.7	80.6	120.8
160	44.3	35.7	53.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

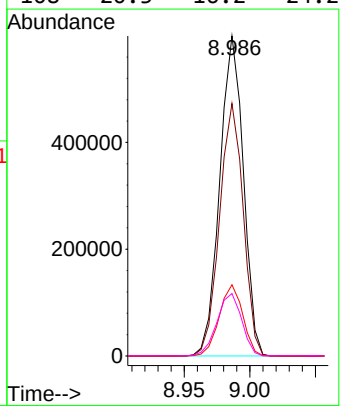


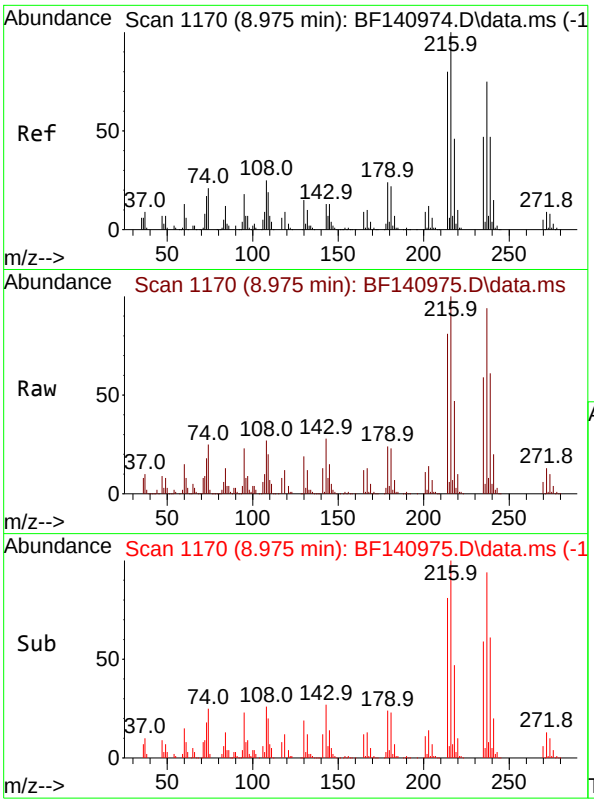


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.857 ng
RT: 8.986 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:216 Resp: 748540

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.6
179	22.2	17.9	26.9
108	20.3	16.2	24.2





#41
Hexachlorocyclopentadiene
Concen: 51.849 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

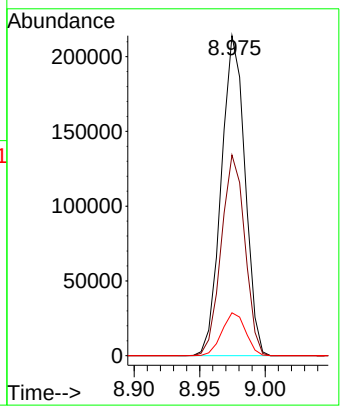
Tgt Ion:237 Resp: 26874

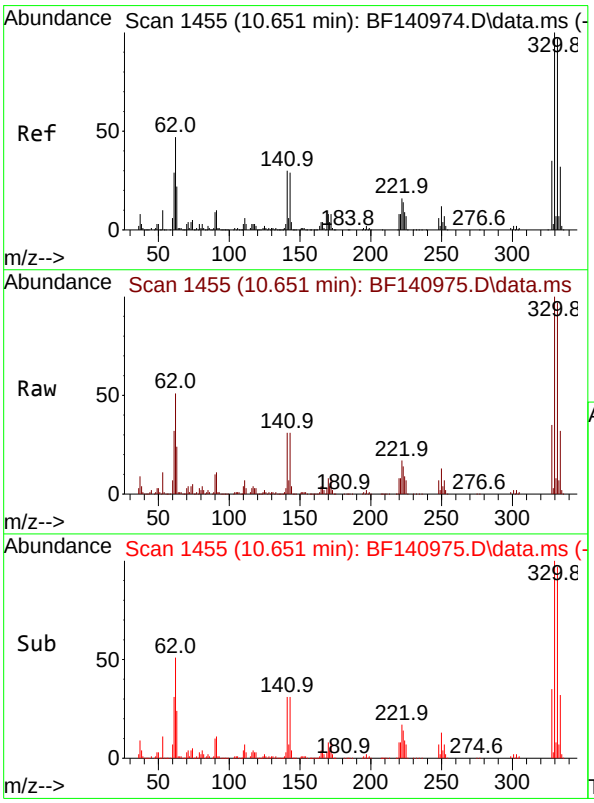
Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.4	83.4
272	13.4	0.0	32.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

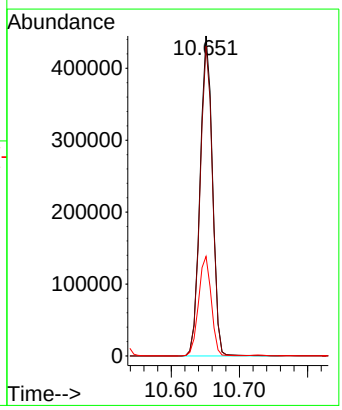


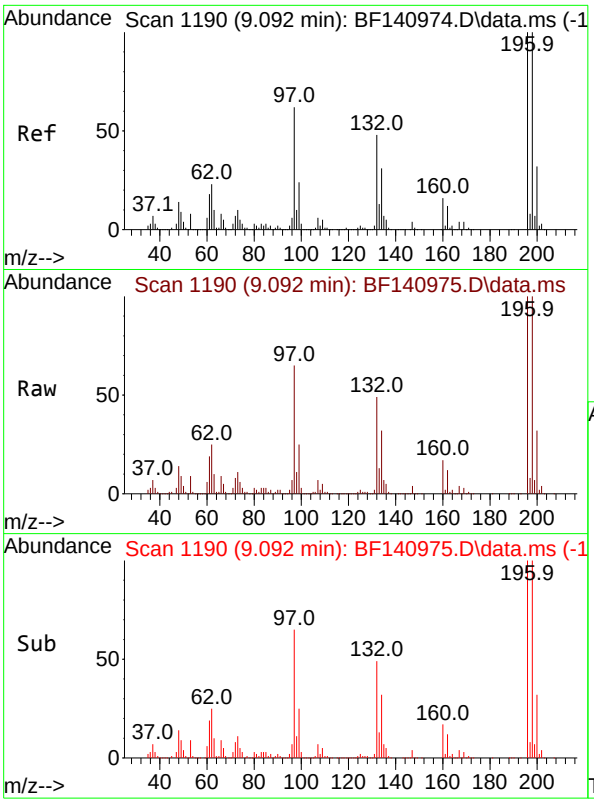


#42
2,4,6-Tribromophenol
Concen: 101.660 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:330 Resp: 561625

Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.0	117.0
141	31.9	26.4	39.6





#43
2,4,6-Trichlorophenol
Concen: 48.593 ng
RT: 9.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

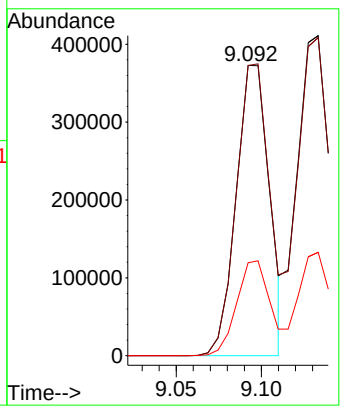
Tgt Ion:196 Resp: 50585

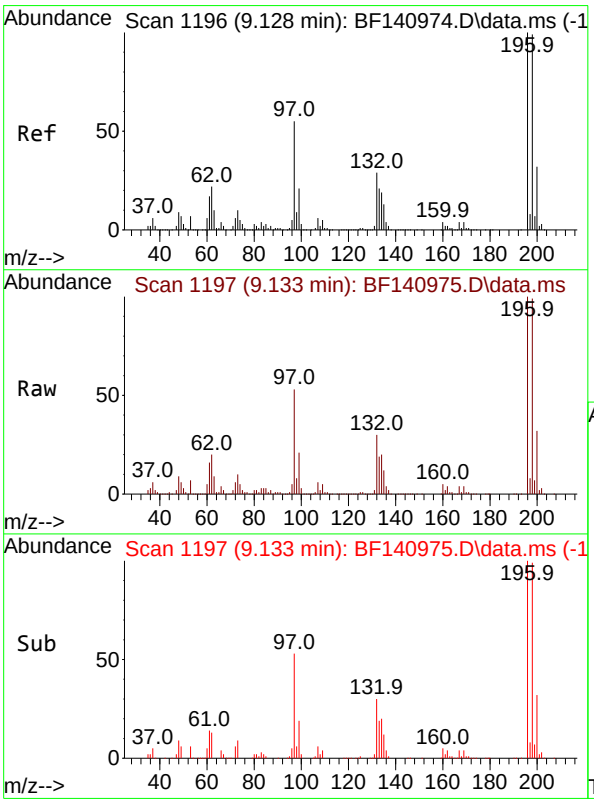
Ion	Ratio	Lower	Upper
196	100		
198	100.0	80.2	120.4
200	32.0	25.8	38.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

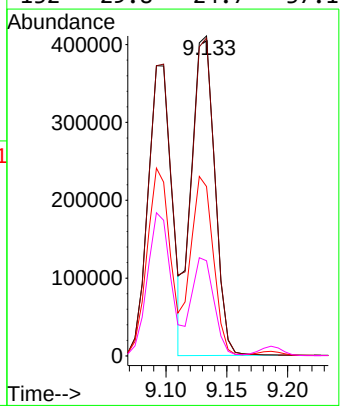


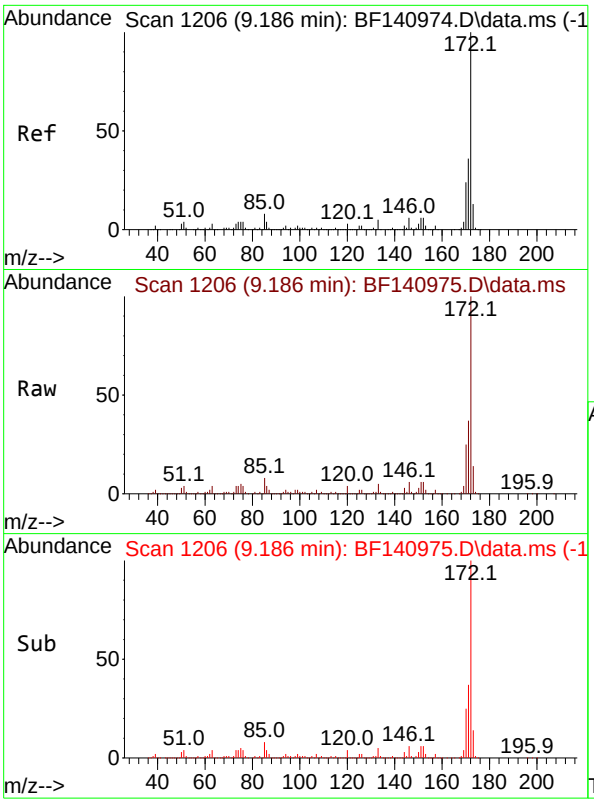


#44
2,4,5-Trichlorophenol
Concen: 51.514 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:196 Resp: 548701

Ion	Ratio	Lower	Upper
196	100		
198	99.4	79.9	119.9
97	53.0	44.3	66.5
132	29.8	24.7	37.1

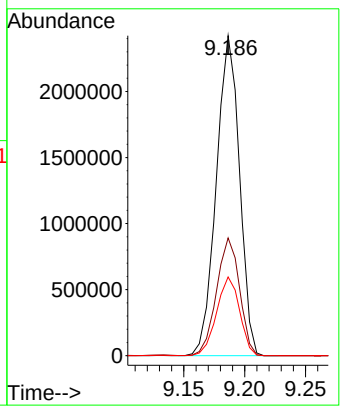




#45
2-Fluorobiphenyl
Concen: 89.926 ng
RT: 9.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:172 Resp: 320898

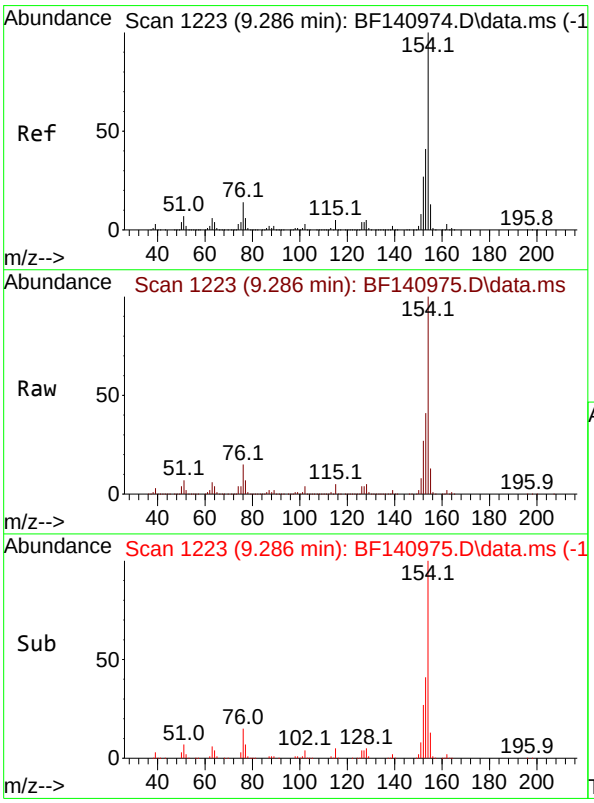
Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.4
170	24.6	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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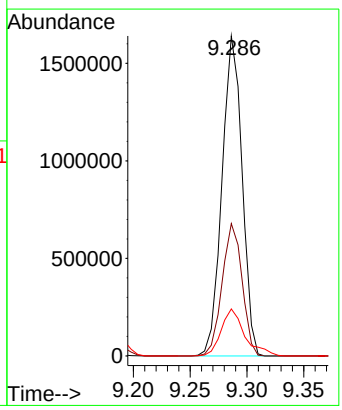
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

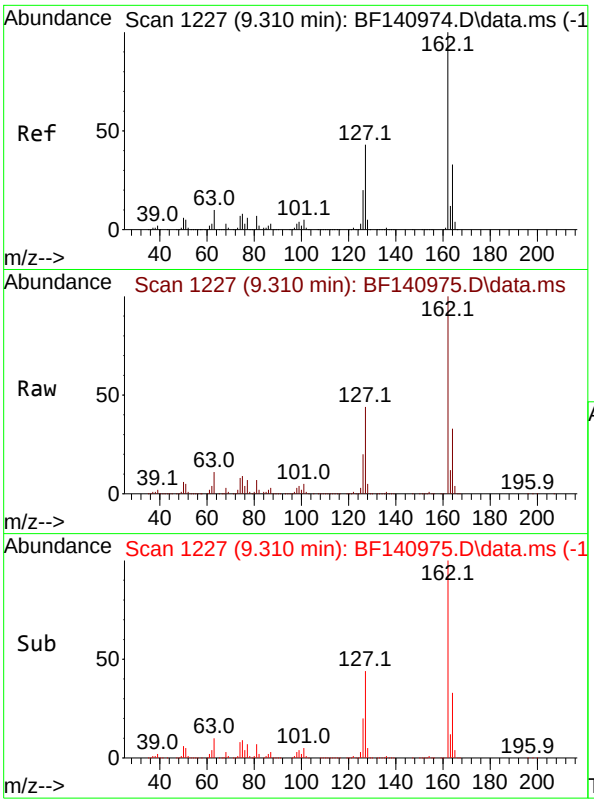


#46
1,1'-Biphenyl
Concen: 46.398 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:154 Resp: 2019837

Ion	Ratio	Lower	Upper
154	100		
153	41.3	20.9	60.9
76	14.7	0.0	34.0

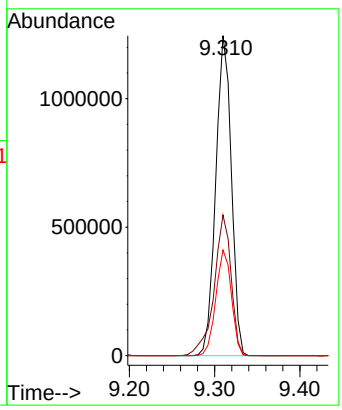




#47
2-Chloronaphthalene
Concen: 46.928 ng
RT: 9.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:162 Resp: 158442

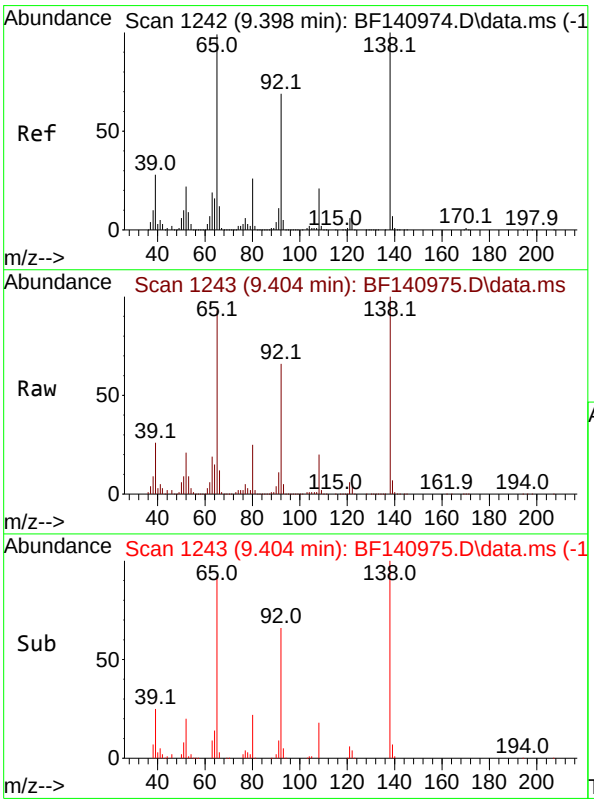
Ion	Ratio	Lower	Upper
162	100		
127	43.9	34.2	51.4
164	33.0	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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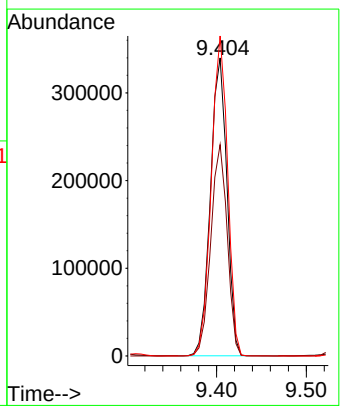
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

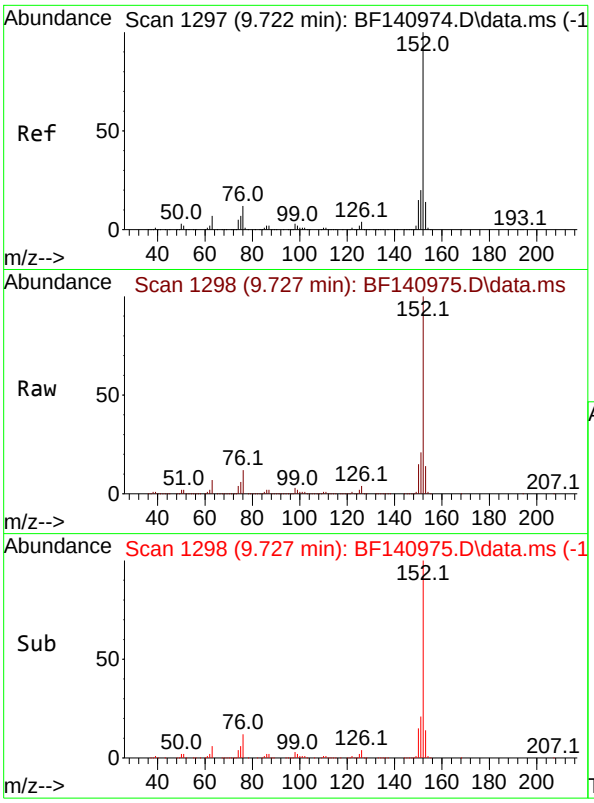


#48
2-Nitroaniline
Concen: 49.051 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 65 Resp: 434235

Ion	Ratio	Lower	Upper
65	100		
92	70.9	55.6	83.4
138	107.4	80.5	120.7

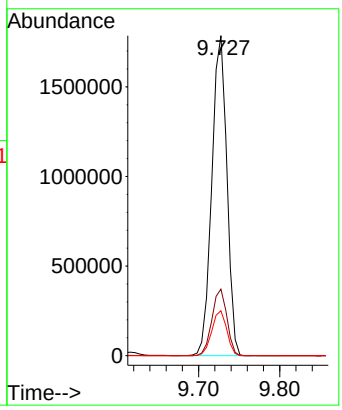




#49
Acenaphthylene
Concen: 47.341 ng
RT: 9.727 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:152 Resp: 230092

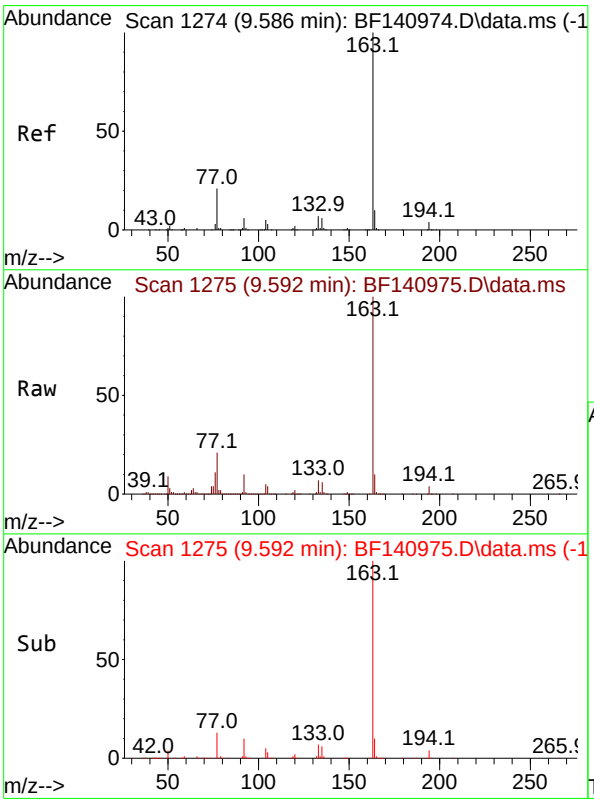
Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.4
153	14.0	11.4	17.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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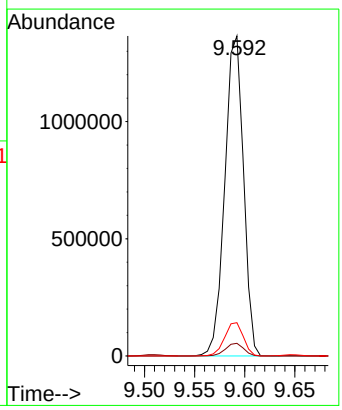
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

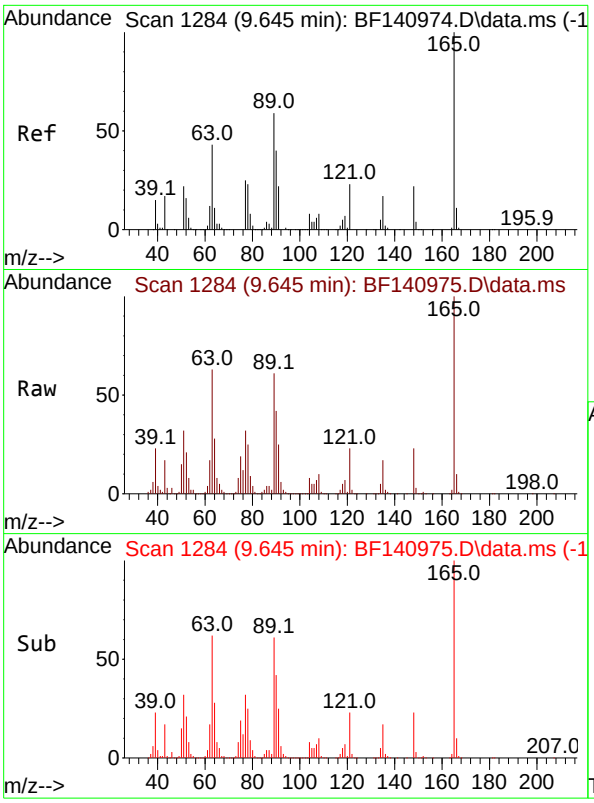


#50
Dimethylphthalate
Concen: 47.363 ng
RT: 9.592 min Scan# 1275
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:163 Resp: 1771217

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.4	8.3	12.5

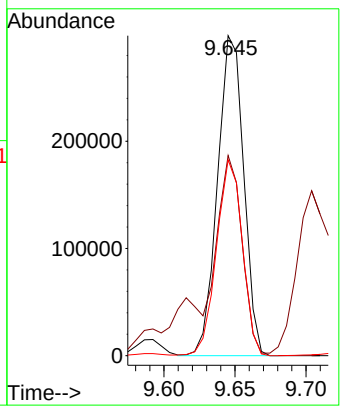




#51
2,6-Dinitrotoluene
Concen: 50.003 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:165 Resp: 38260

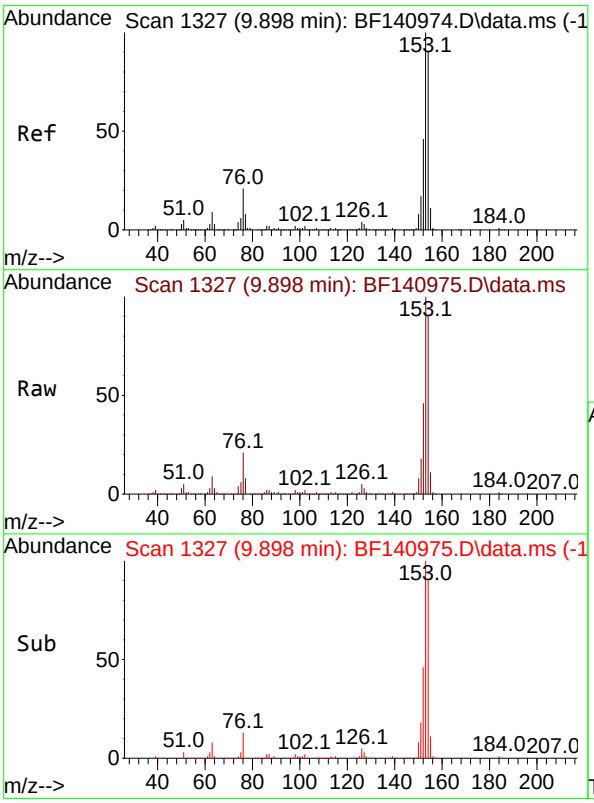
Ion	Ratio	Lower	Upper
165	100		
63	62.6	47.1	70.7
89	61.2	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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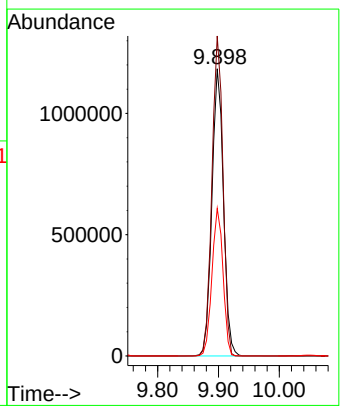
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

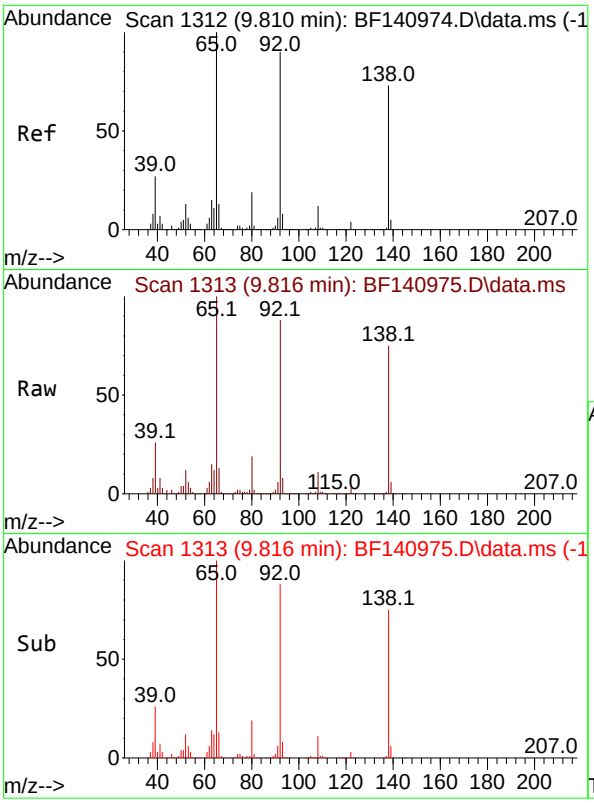


#52
Acenaphthene
Concen: 47.414 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:154 Resp: 1557911

Ion	Ratio	Lower	Upper
154	100		
153	111.4	89.2	133.8
152	51.4	40.9	61.3





#53
3-Nitroaniline
Concen: 49.386 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

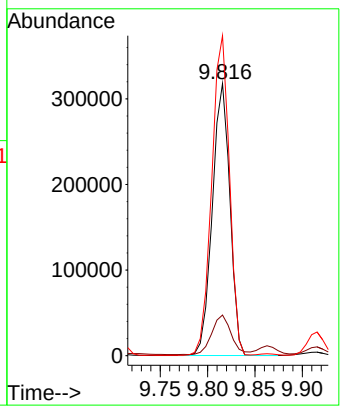
Tgt Ion:138 Resp: 41044

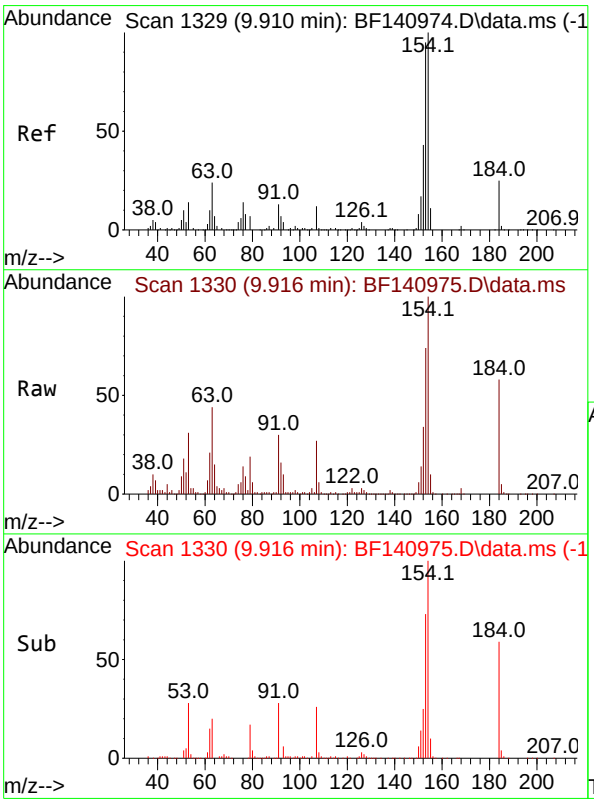
Ion	Ratio	Lower	Upper
138	100		
108	14.9	13.5	20.3
92	117.6	97.7	146.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

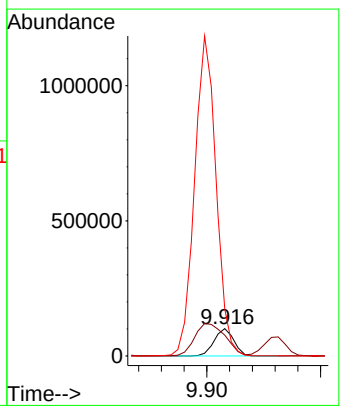


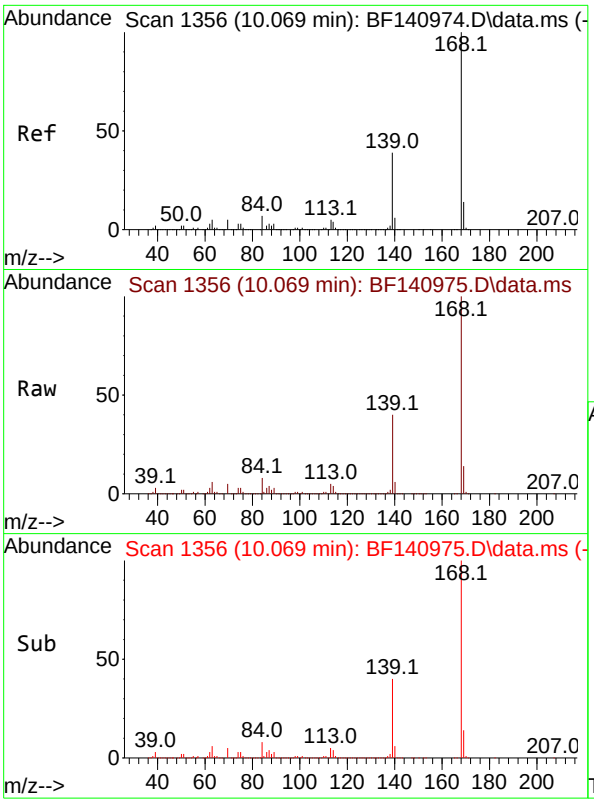


#54
2,4-Dinitrophenol
Concen: 49.996 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:184 Resp: 121967

Ion	Ratio	Lower	Upper
184	100		
63	76.0	81.6	122.4#
154	171.1	363.5	545.3#

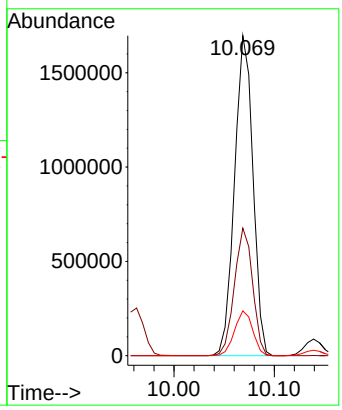




#55
Dibenzofuran
Concen: 46.887 ng
RT: 10.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:168 Resp: 216507

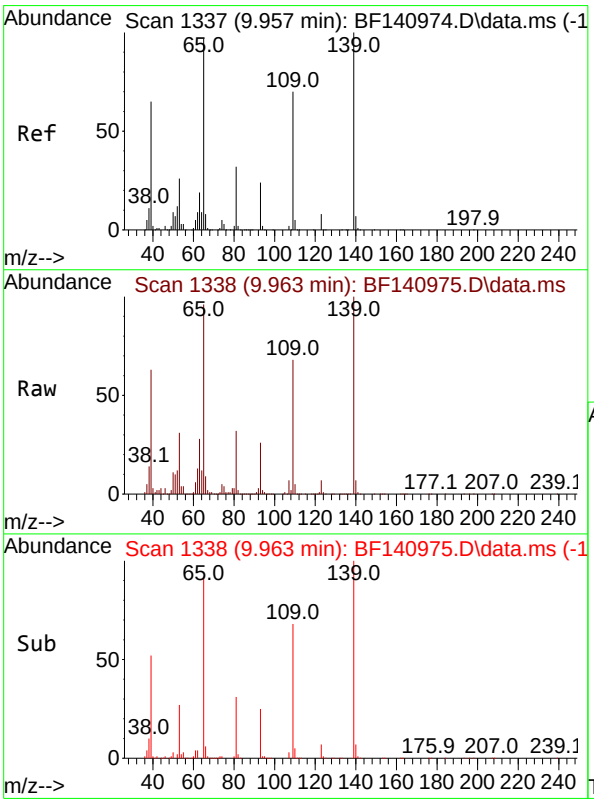
Ion	Ratio	Lower	Upper
168	100		
139	39.8	31.6	47.4
169	14.0	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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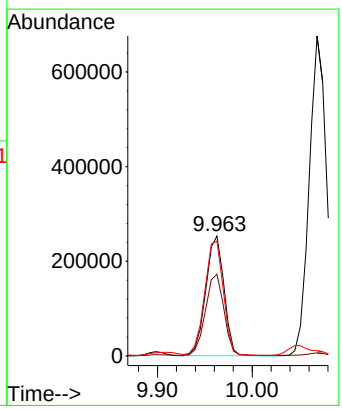
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

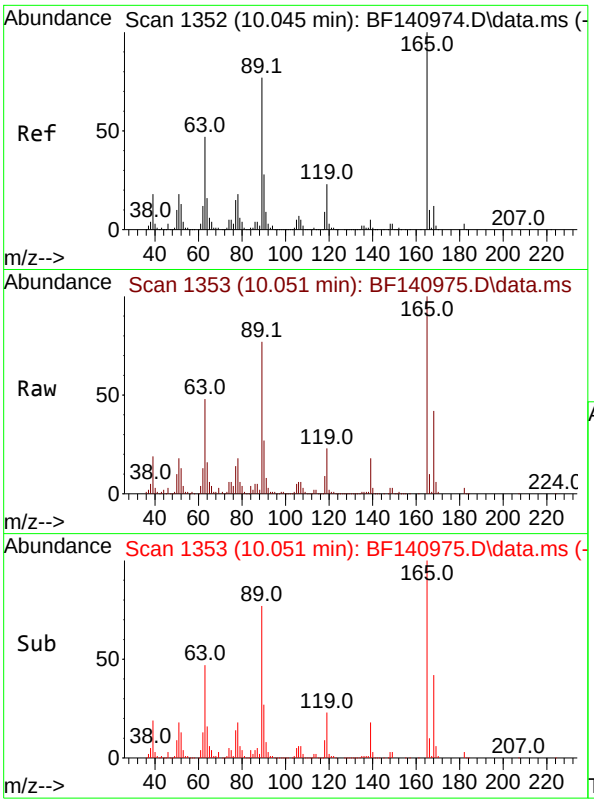


#56
4-Nitrophenol
Concen: 52.728 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:139 Resp: 337300

Ion	Ratio	Lower	Upper
139	100		
109	68.3	50.8	90.8
65	95.9	78.5	118.5

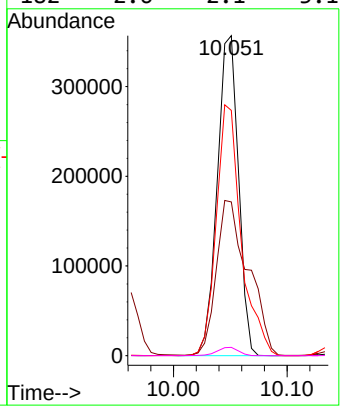




#57
2,4-Dinitrotoluene
Concen: 49.535 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:165 Resp: 46377

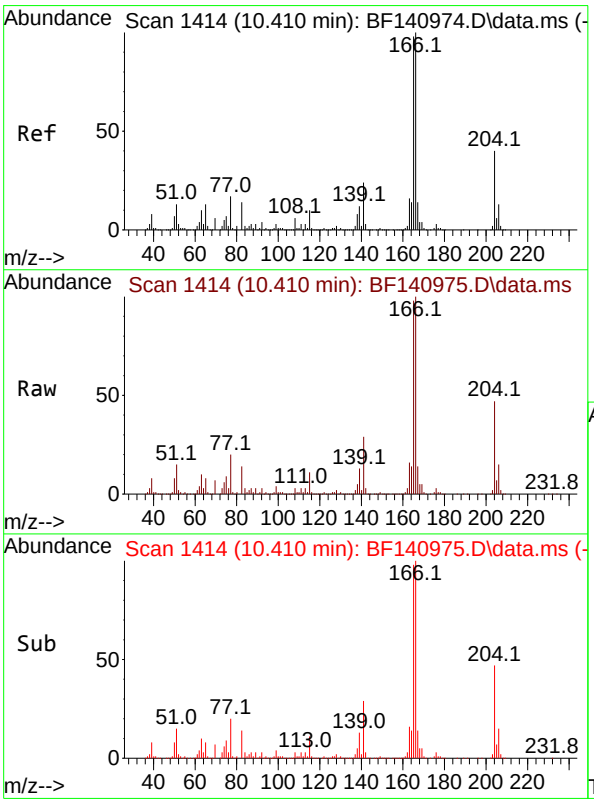
Ion	Ratio	Lower	Upper
165	100		
63	48.1	38.1	57.1
89	76.6	61.4	92.2
182	2.6	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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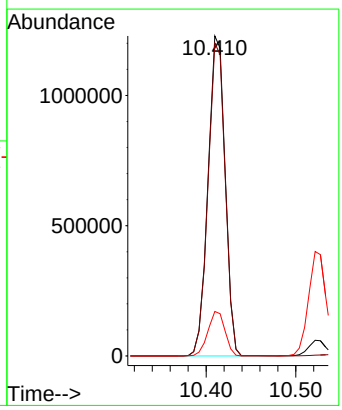
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

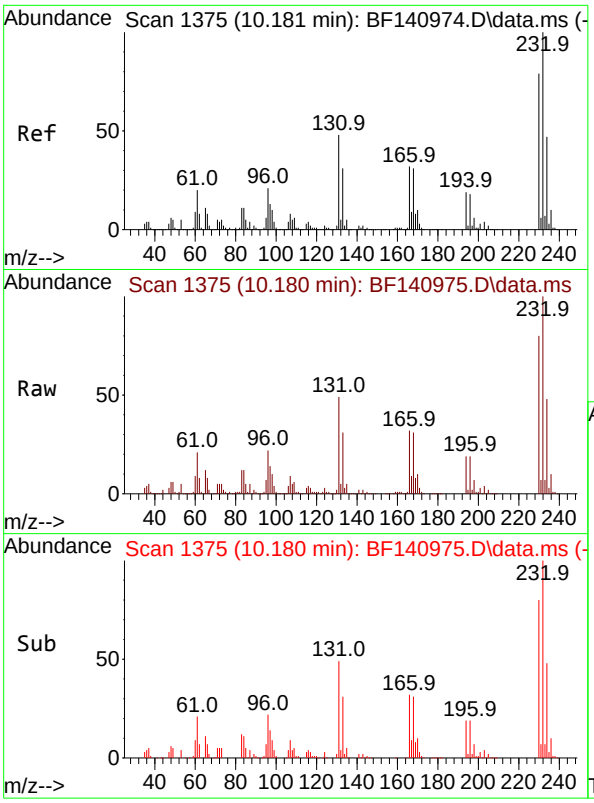


#58
Fluorene
Concen: 45.492 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:166 Resp: 1628964

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.3	117.5
167	13.9	10.9	16.3

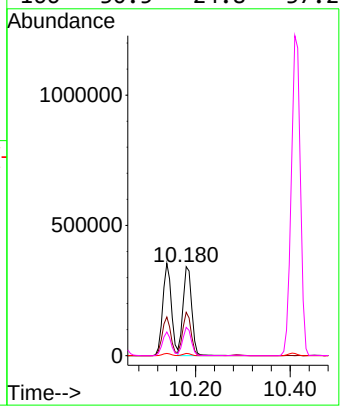




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.455 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:232 Resp: 43627

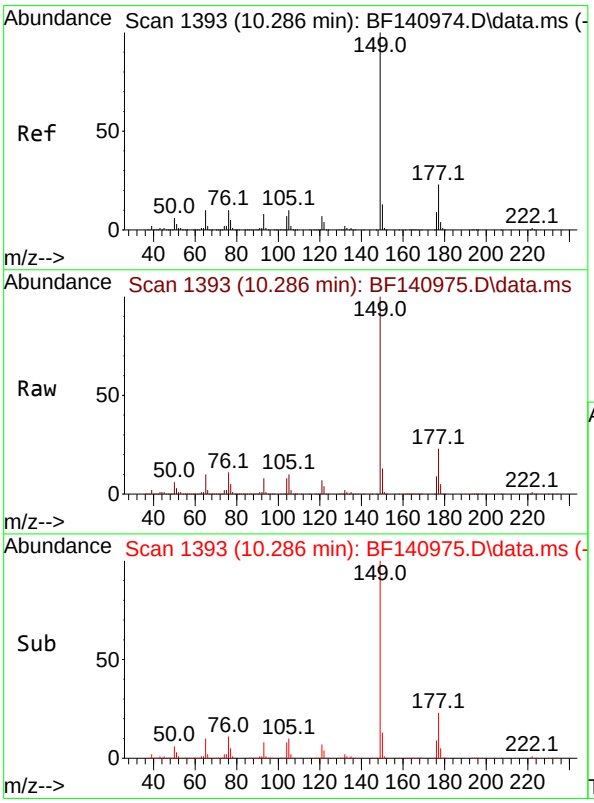
Ion	Ratio	Lower	Upper
232	100		
131	46.9	37.4	56.2
130	2.3	1.8	2.8
166	30.5	24.8	37.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

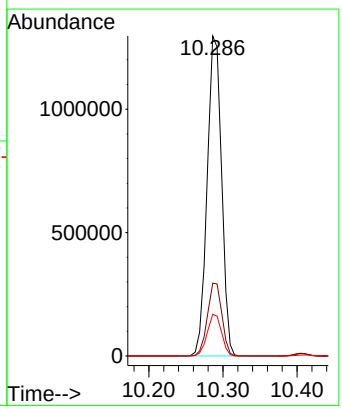
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

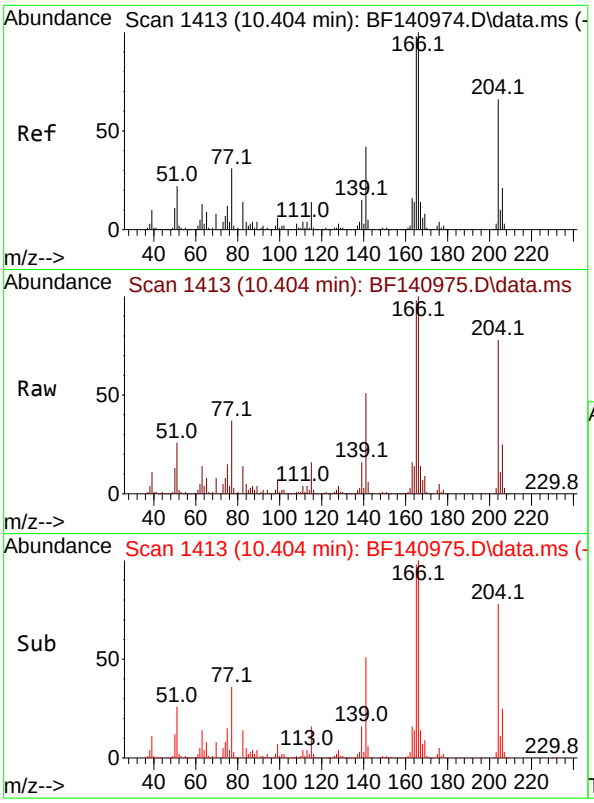


#60
Diethylphthalate
Concen: 47.359 ng
RT: 10.286 min Scan# 1393
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:149 Resp: 1748454

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.3	27.5
150	13.0	10.4	15.6





#61
4-Chlorophenyl-phenylether
Concen: 46.203 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

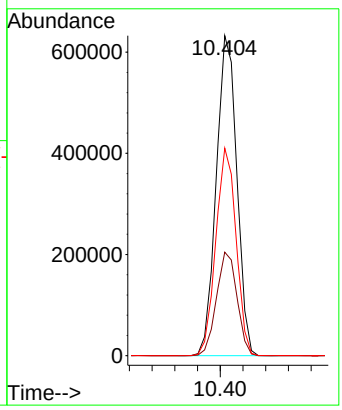
Tgt Ion:204 Resp: 79607

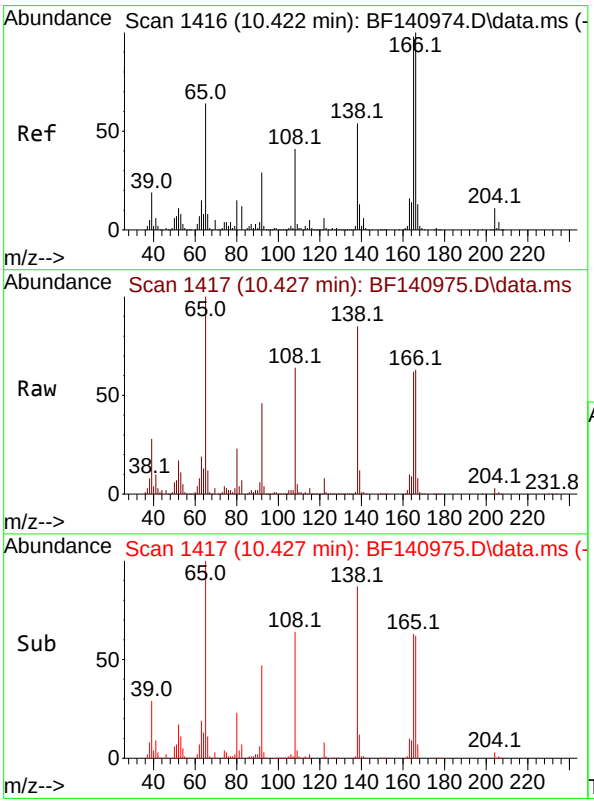
Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.6
141	64.9	51.2	76.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

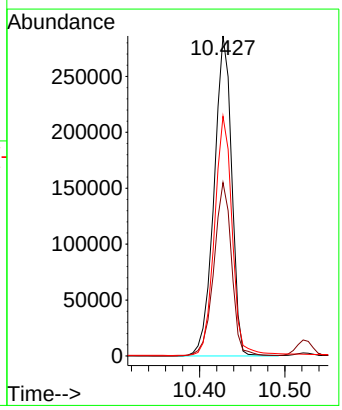


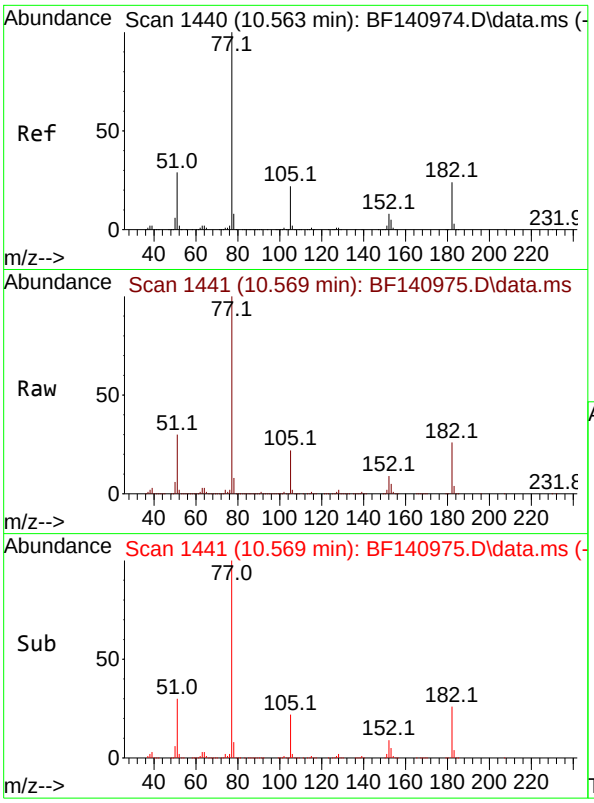


#62
4-Nitroaniline
Concen: 49.614 ng
RT: 10.427 min Scan# 1417
Delta R.T. 0.005 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:138 Resp: 412091

Ion	Ratio	Lower	Upper
138	100		
92	54.2	34.8	74.8
108	74.9	55.9	95.9

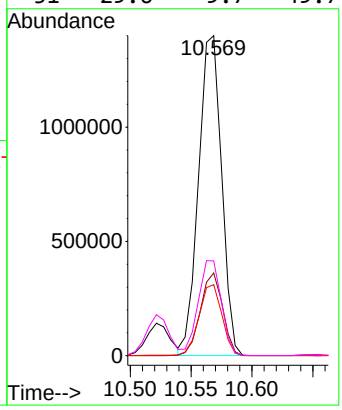




#63
Azobenzene
Concen: 47.507 ng
RT: 10.569 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 77 Resp: 184094

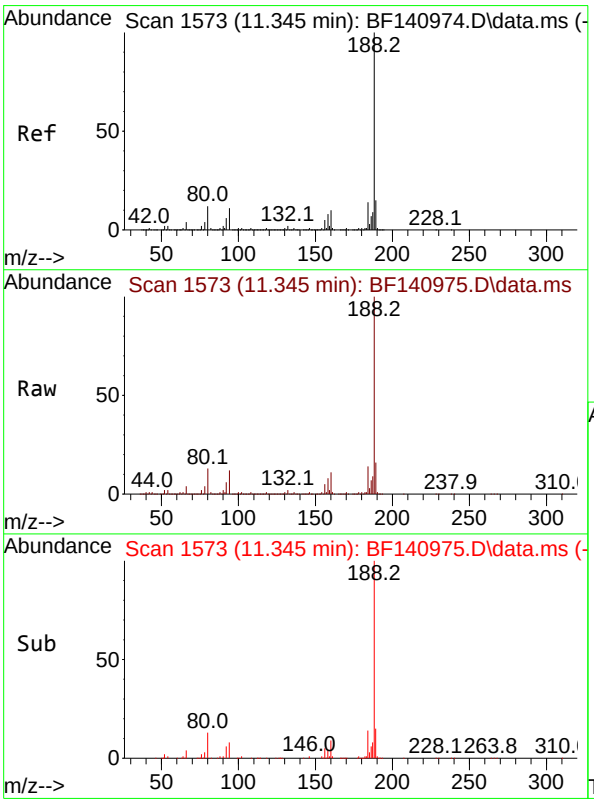
Ion	Ratio	Lower	Upper
77	100		
182	25.9	4.1	44.1
105	22.2	1.8	41.8
51	29.6	9.7	49.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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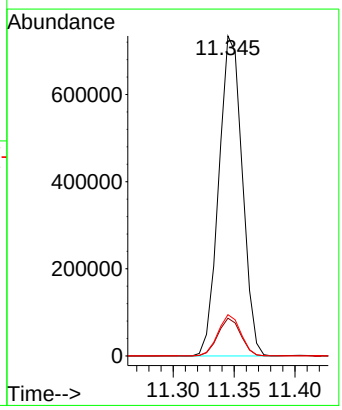
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

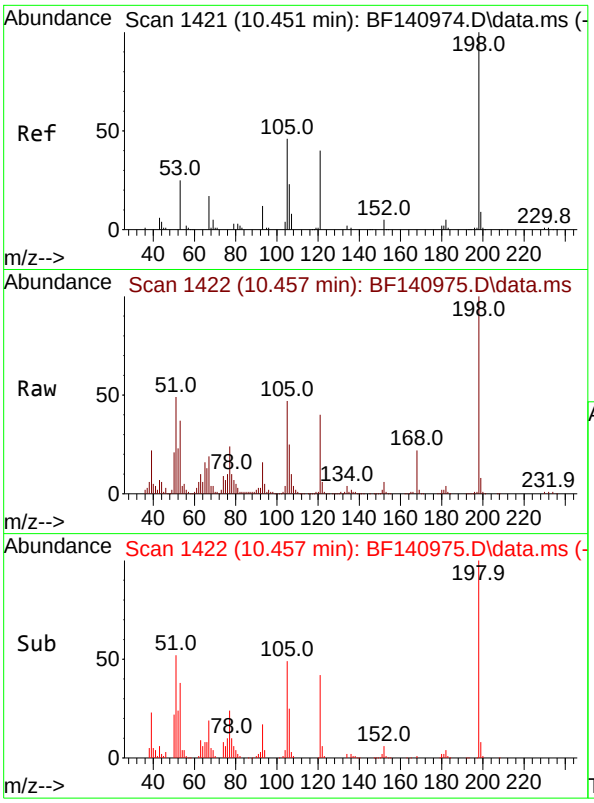


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:188 Resp: 984477

Ion	Ratio	Lower	Upper
188	100		
94	11.8	9.0	13.6
80	12.9	9.8	14.6

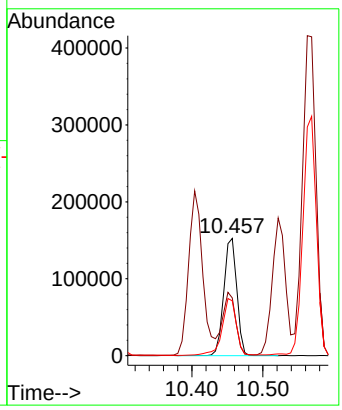




#65
4,6-Dinitro-2-methylphenol
Concen: 48.976 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:198 Resp: 19316

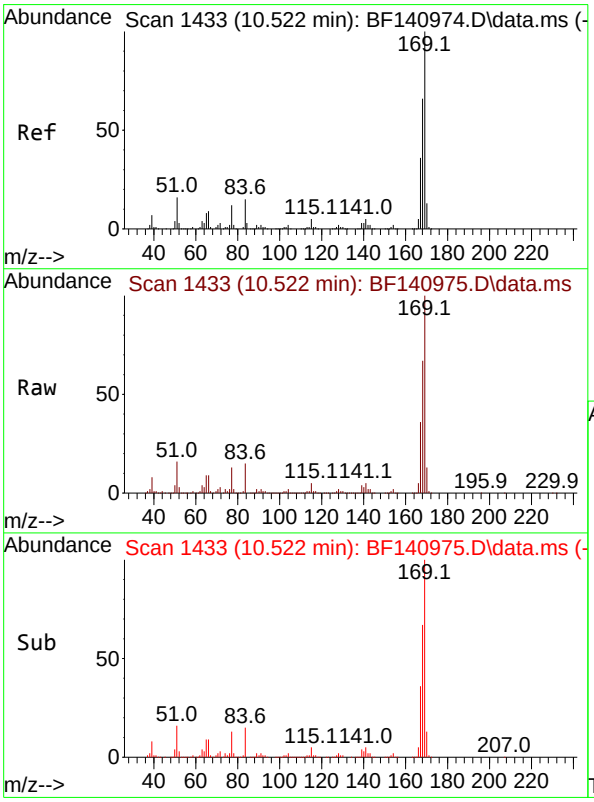
Ion	Ratio	Lower	Upper
198	100		
51	49.3	32.3	72.3
105	46.8	28.4	68.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

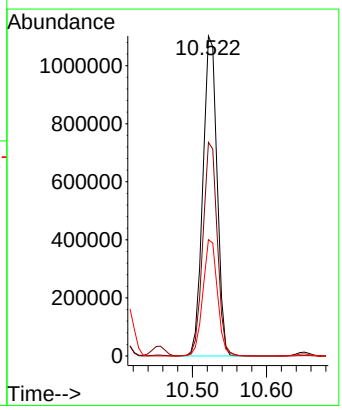
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

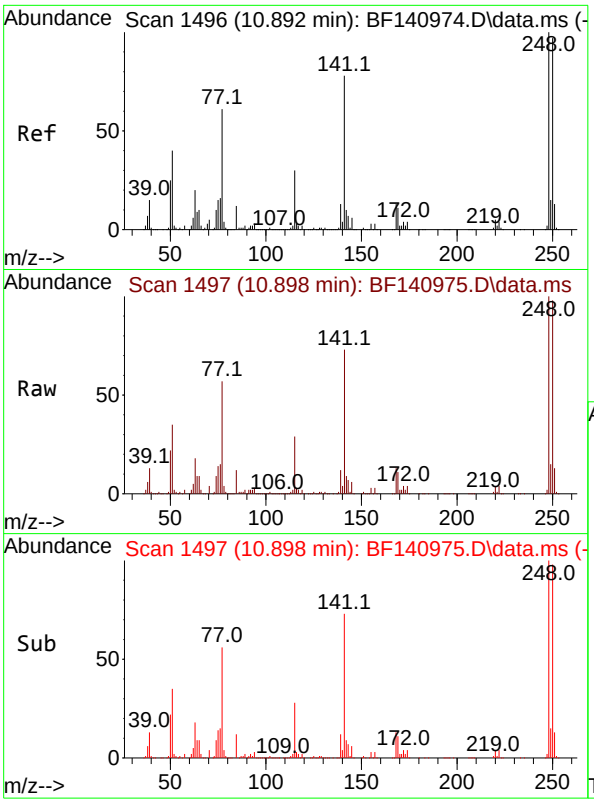


#66
n-Nitrosodiphenylamine
Concen: 47.193 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:169 Resp: 1463039

Ion	Ratio	Lower	Upper
169	100		
168	66.8	52.6	79.0
167	36.4	29.0	43.4

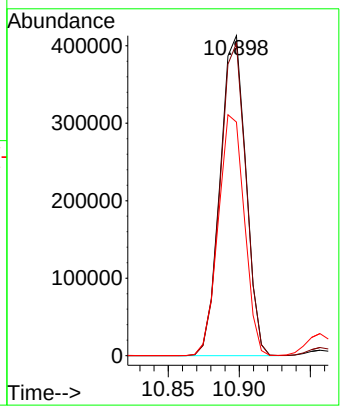




#67
4-Bromophenyl-phenylether
Concen: 48.981 ng
RT: 10.898 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:248 Resp: 52127

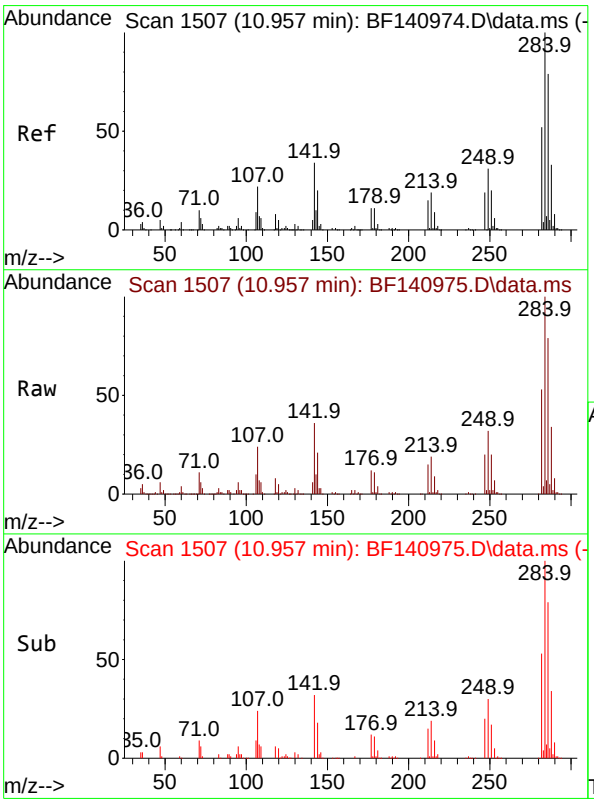
Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.7	116.5
141	73.0	62.1	93.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

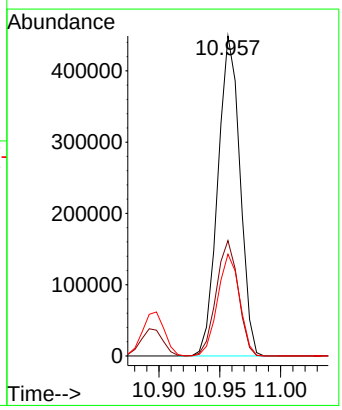
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

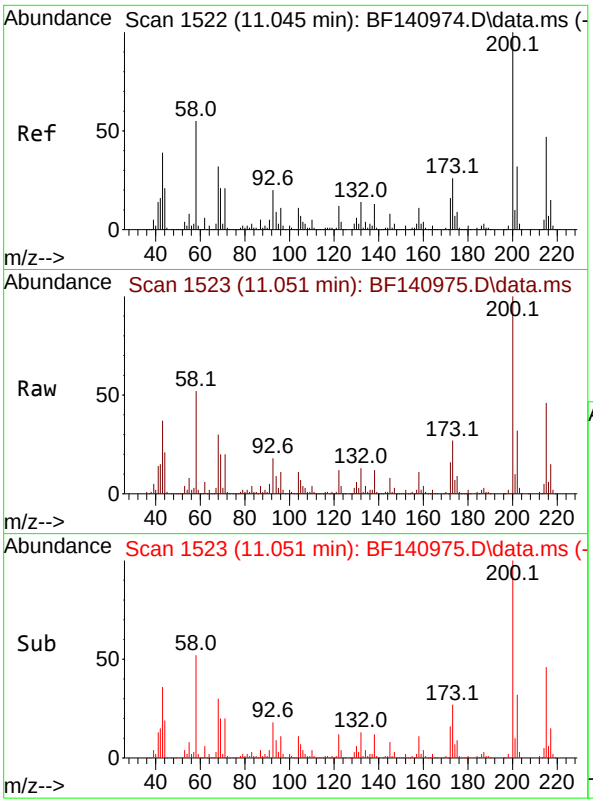


#68
Hexachlorobenzene
Concen: 48.368 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:284 Resp: 567592

Ion	Ratio	Lower	Upper
284	100		
142	36.0	27.1	40.7
249	31.8	25.1	37.7

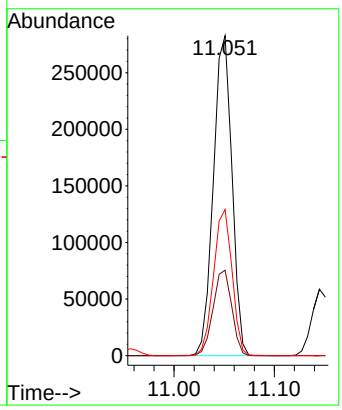




#69
Atrazine
Concen: 41.889 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:200 Resp: 36278

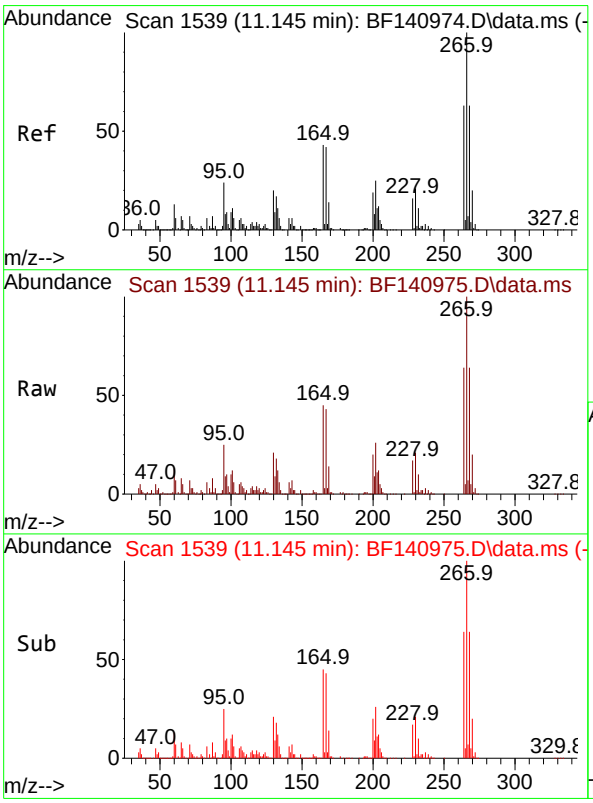
Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.4	46.4
215	45.6	27.2	67.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

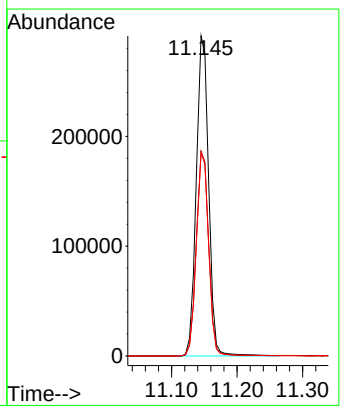
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

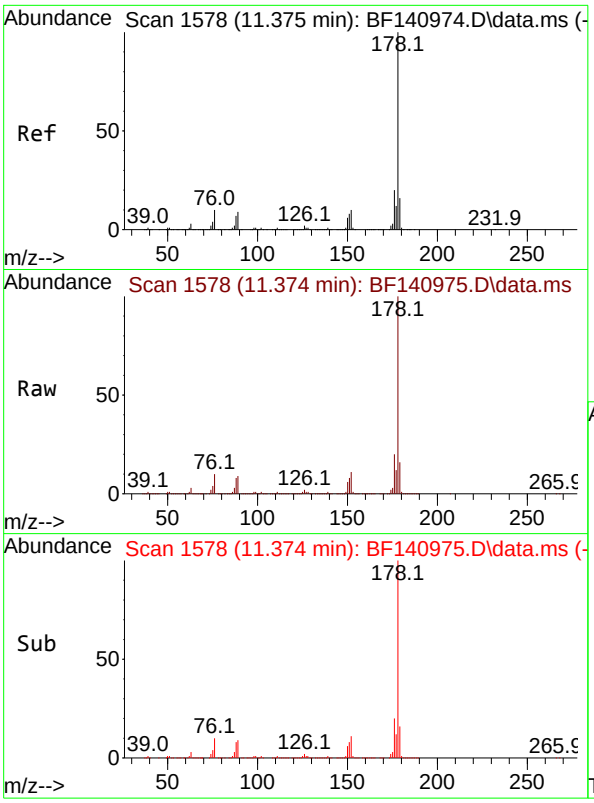


#70
Pentachlorophenol
Concen: 52.476 ng
RT: 11.145 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:266 Resp: 383398

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.5	75.7
264	63.6	50.2	75.4

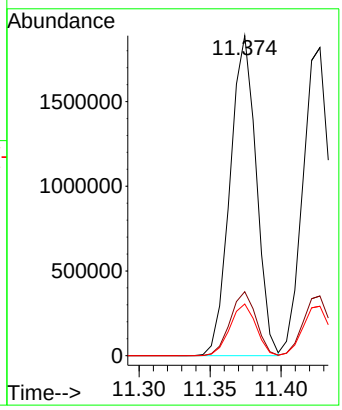




#71
Phenanthrene
Concen: 46.658 ng
RT: 11.374 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:178 Resp: 241755

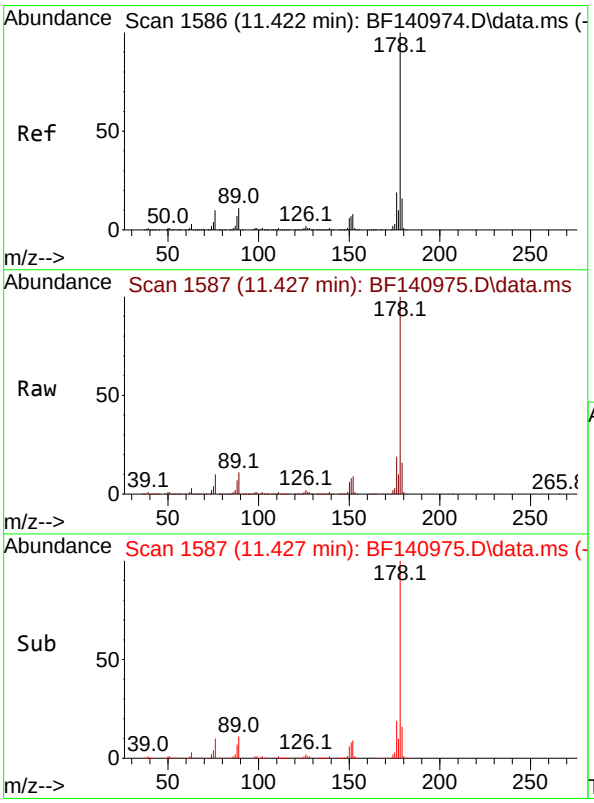
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.6
179	16.2	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

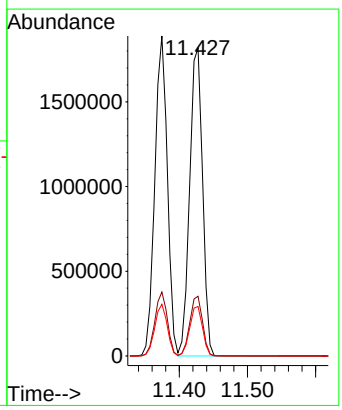
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

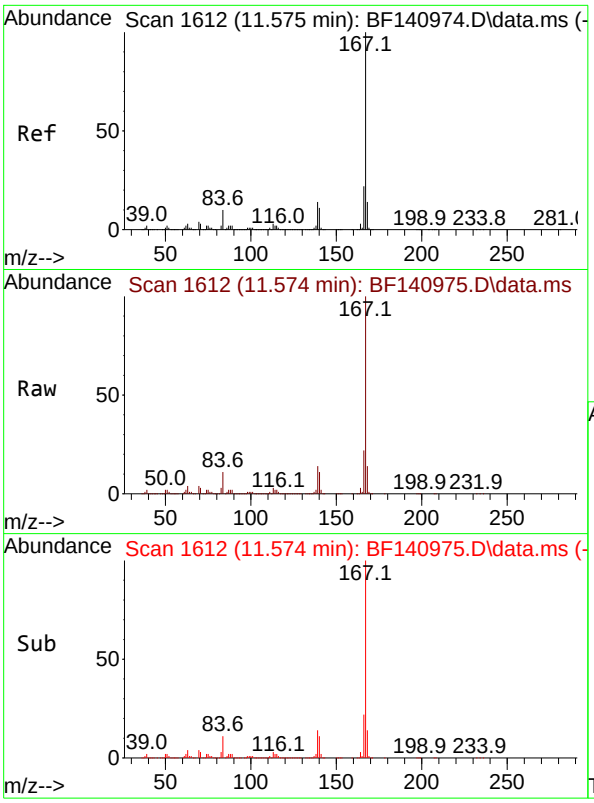


#72
Anthracene
Concen: 46.682 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:178 Resp: 2370103

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	16.0	12.9	19.3

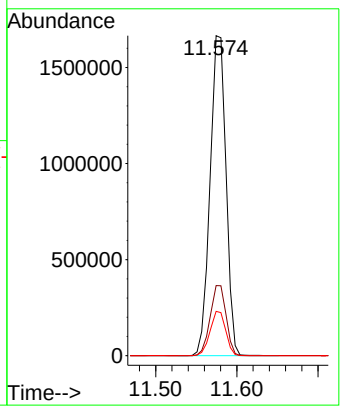




#73
Carbazole
Concen: 46.552 ng
RT: 11.574 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:167 Resp: 227207(

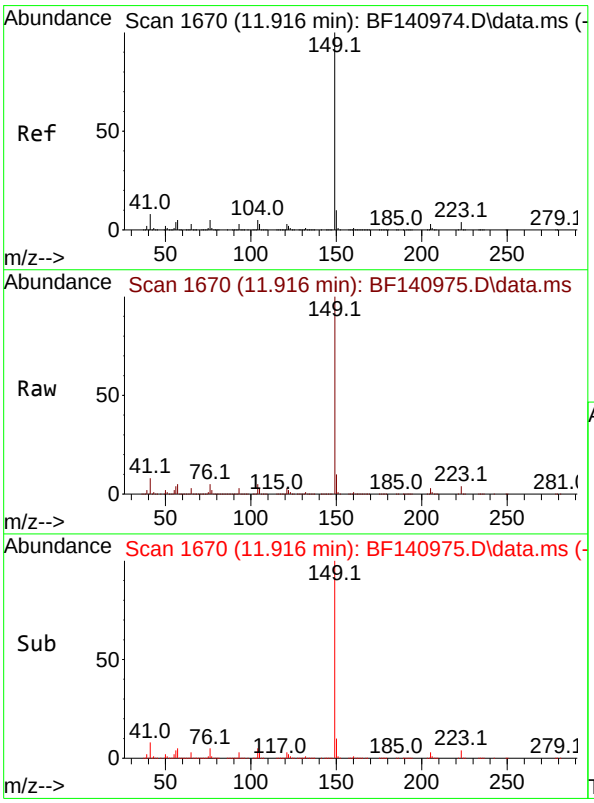
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

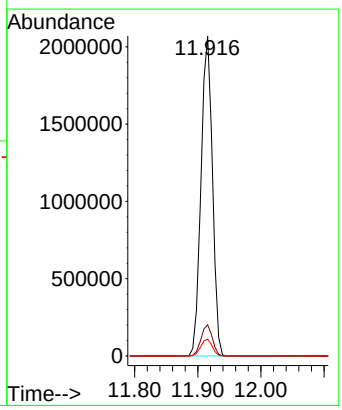
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

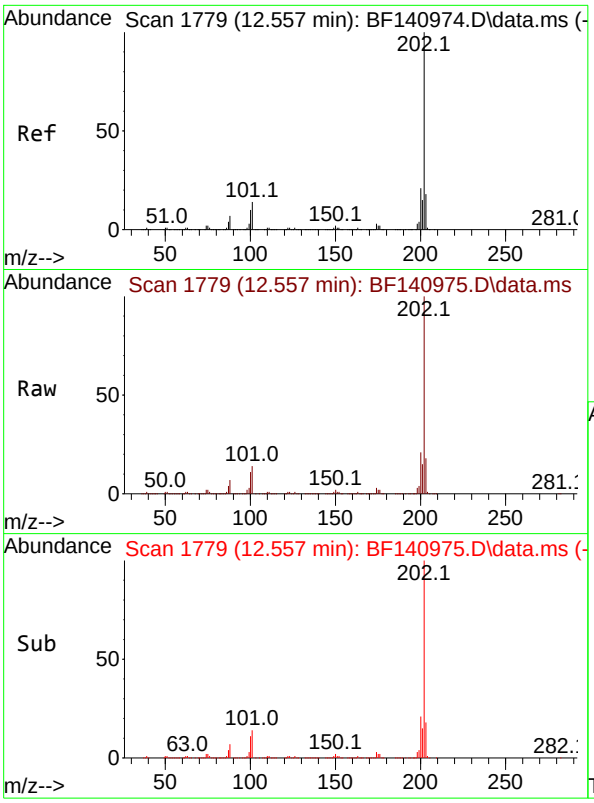


#74
Di-n-butylphthalate
Concen: 46.746 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:149 Resp: 2595020

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.3	4.1	6.1

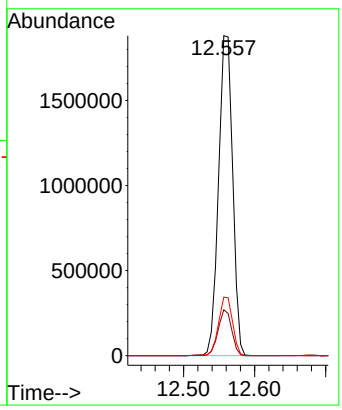




#75
Fluoranthene
Concen: 45.972 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:202 Resp: 258343

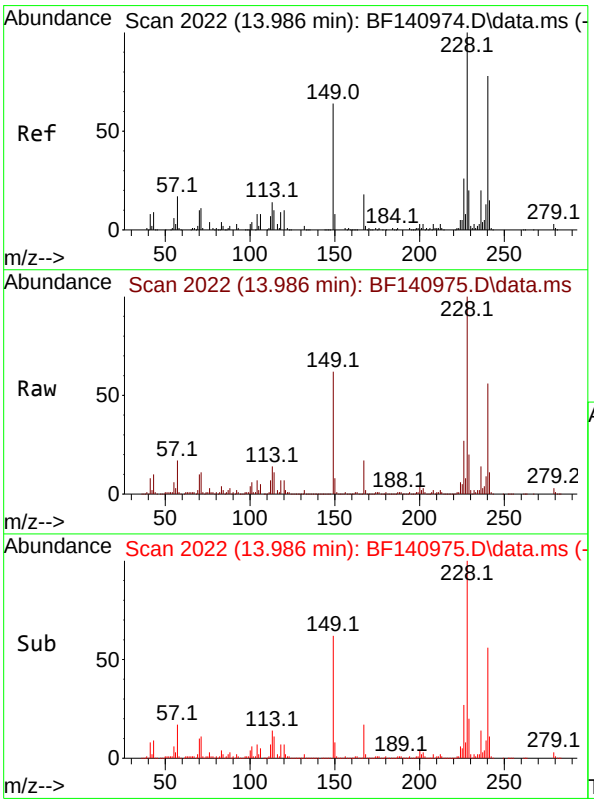
Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	33.7
203	18.3	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

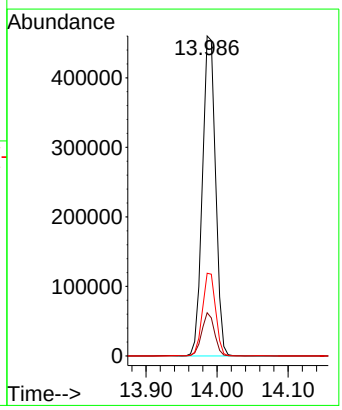
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

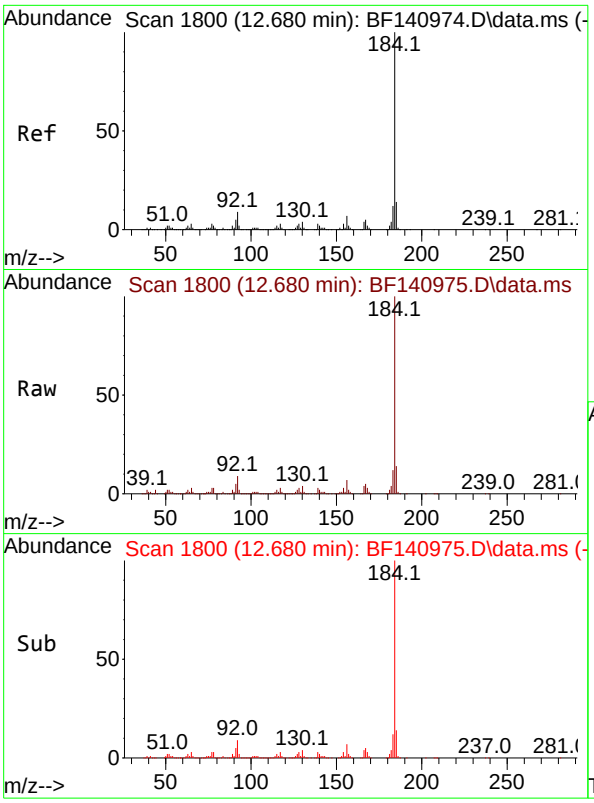


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:240 Resp: 594739

Ion	Ratio	Lower	Upper
240	100		
120	13.5	10.7	16.1
236	25.8	20.6	31.0

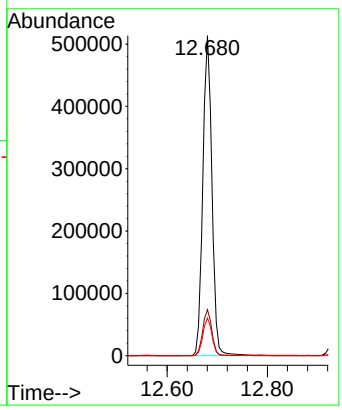




#77
Benzidine
Concen: 51.801 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:184 Resp: 6510

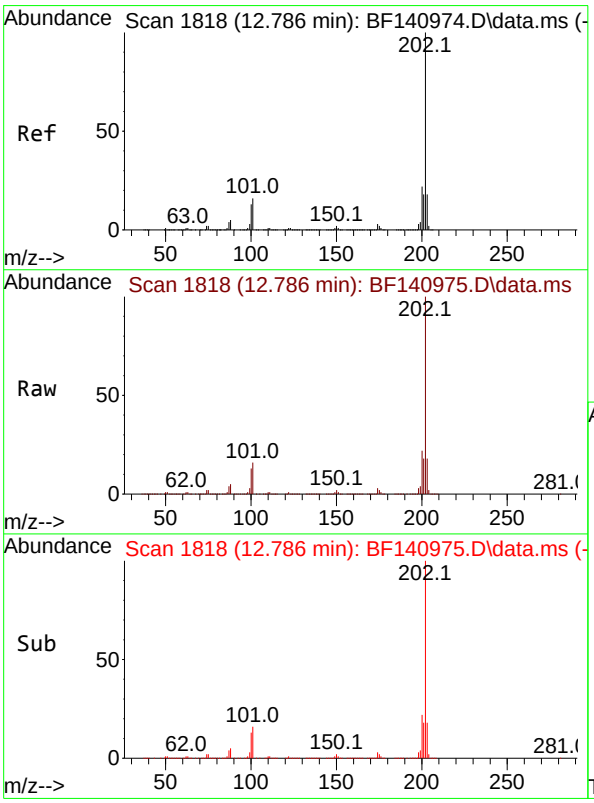
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.2
183	11.8	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

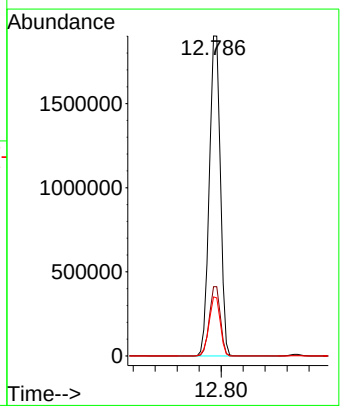
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

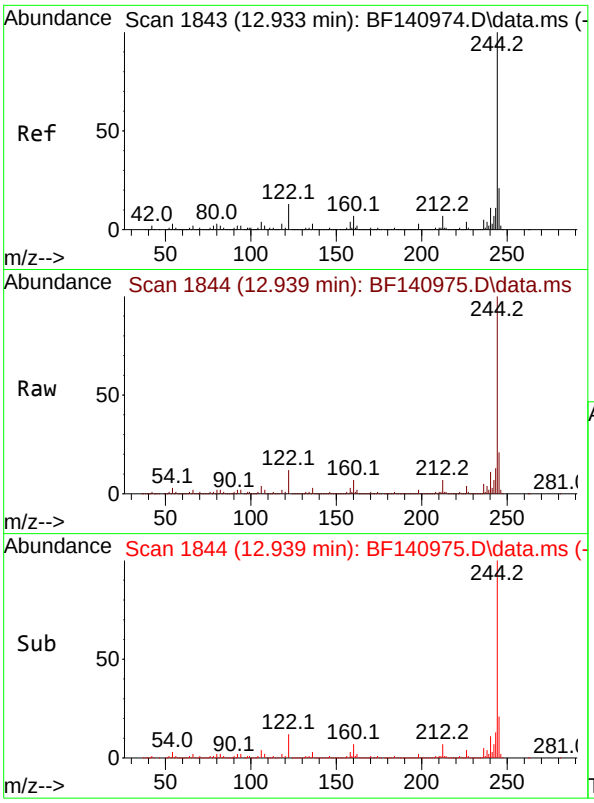


#78
Pyrene
Concen: 50.973 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:202 Resp: 2651339

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.5	14.6	21.8

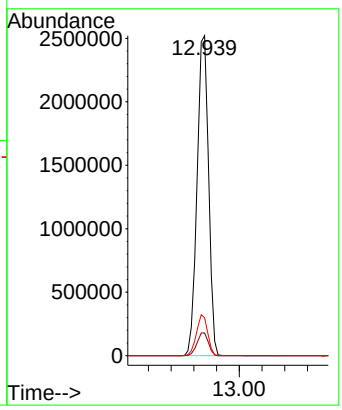




#79
Terphenyl-d14
Concen: 99.194 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:244 Resp: 355177

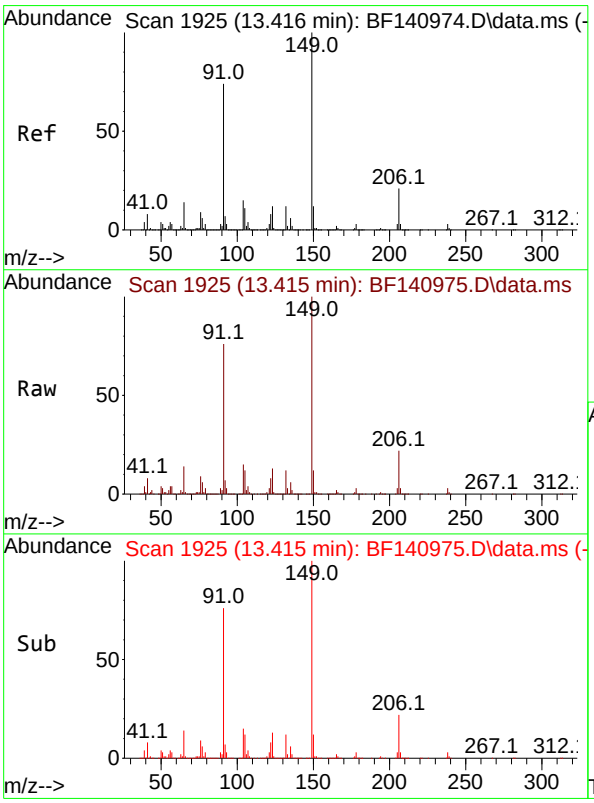
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.9	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

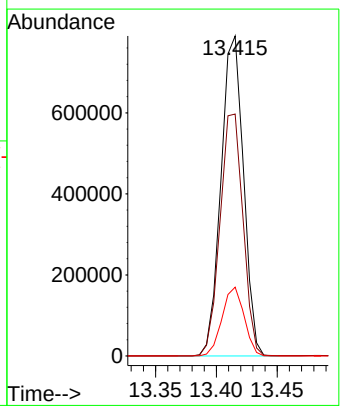
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

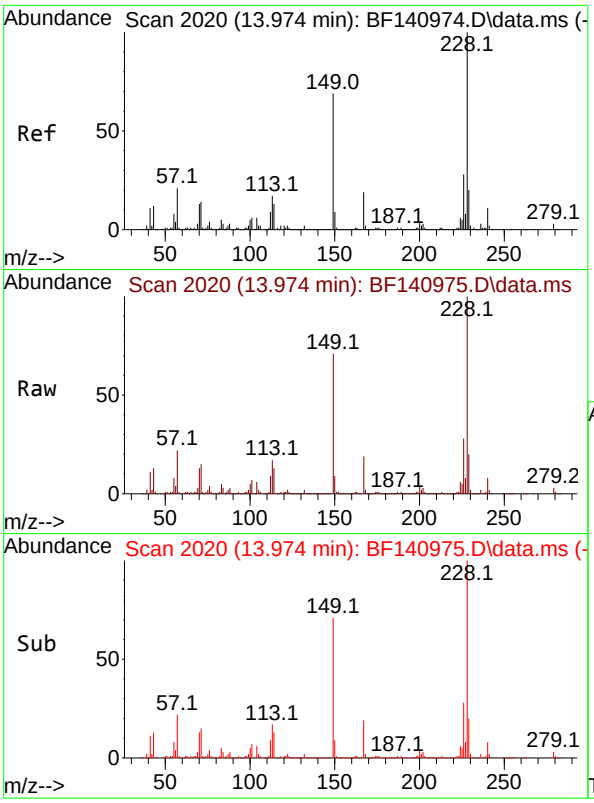


#80
Butylbenzylphthalate
Concen: 53.519 ng
RT: 13.415 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:149 Resp: 1016502

Ion	Ratio	Lower	Upper
149	100		
91	75.6	59.5	89.3
206	21.5	17.1	25.7

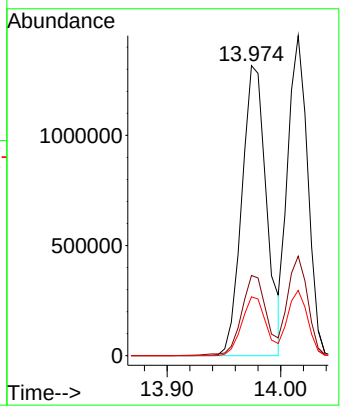




#81
Benzo(a)anthracene
Concen: 48.052 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:228 Resp: 199173

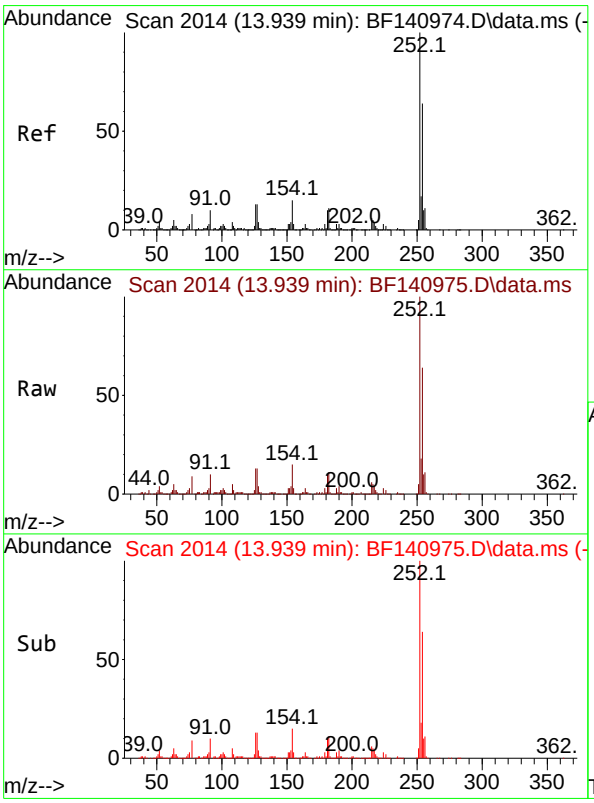
Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	20.3	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

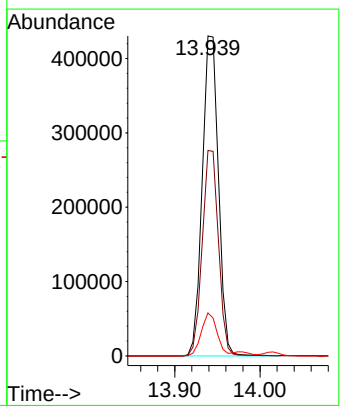
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

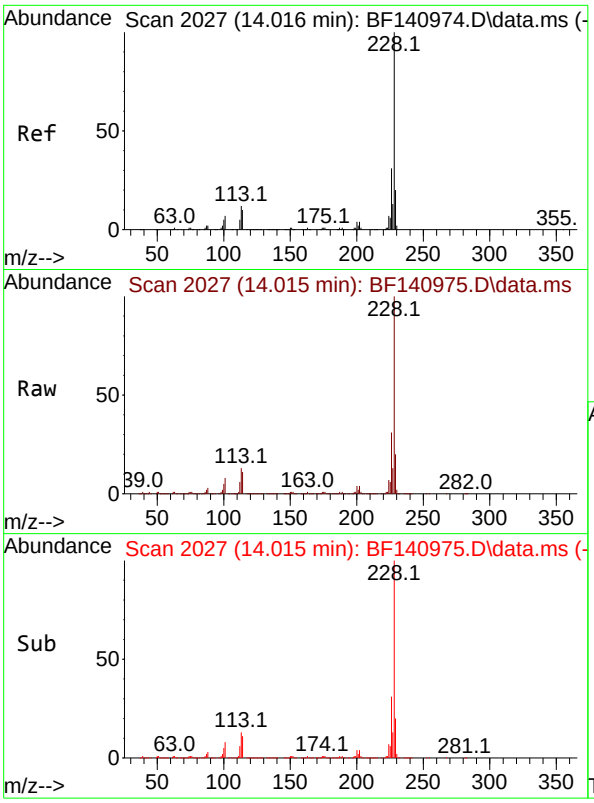


#82
3,3'-Dichlorobenzidine
Concen: 45.655 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:252 Resp: 568561

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.5	77.3
126	13.4	10.3	15.5

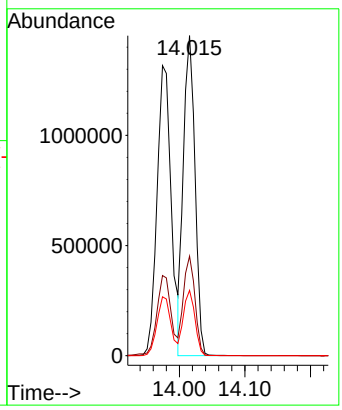




#83
Chrysene
Concen: 47.501 ng
RT: 14.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:228 Resp: 177490

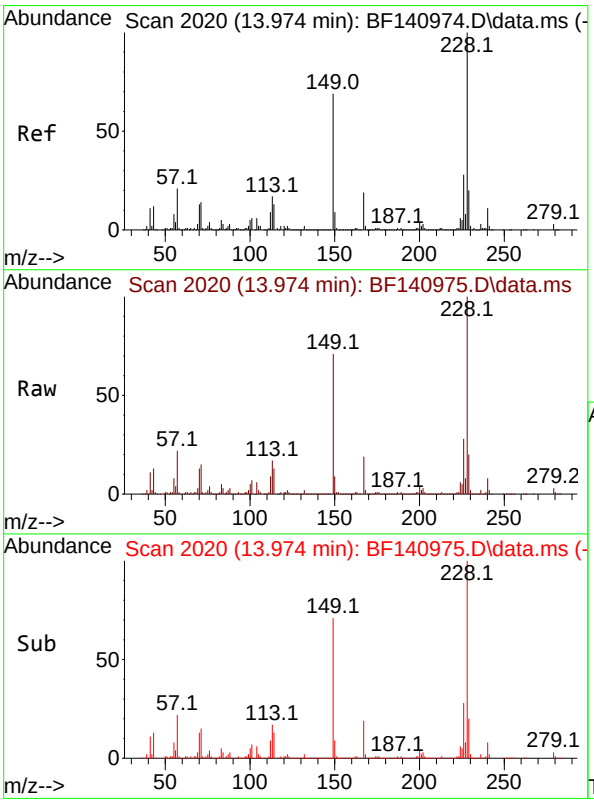
Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.5	36.7
229	20.4	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

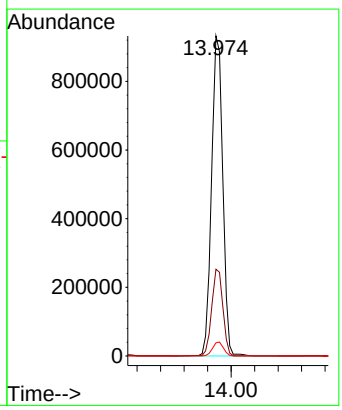
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

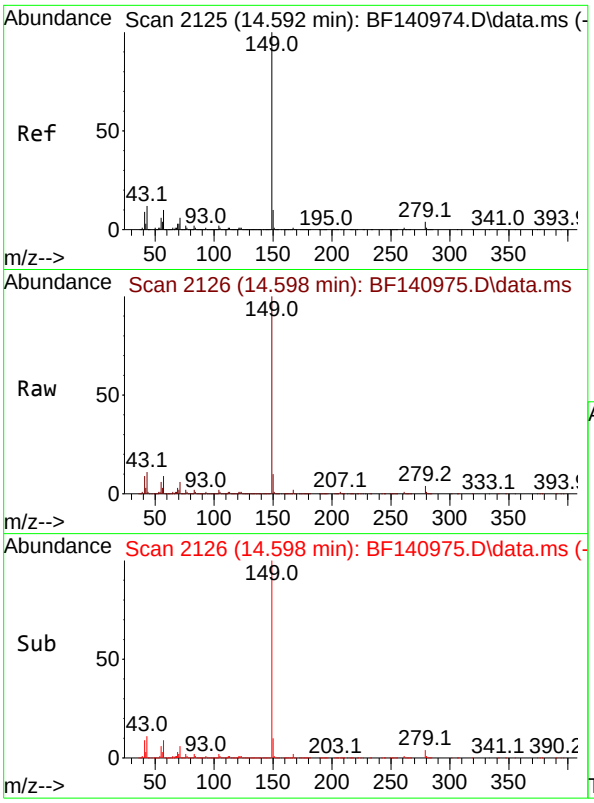


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.929 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:149 Resp: 1230112

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.6	32.4
279	4.1	3.2	4.8

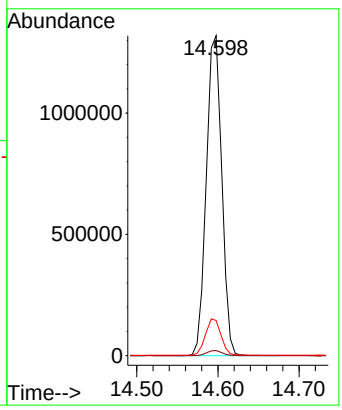




#85
Di-n-octyl phthalate
Concen: 48.803 ng
RT: 14.598 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:149 Resp: 174021

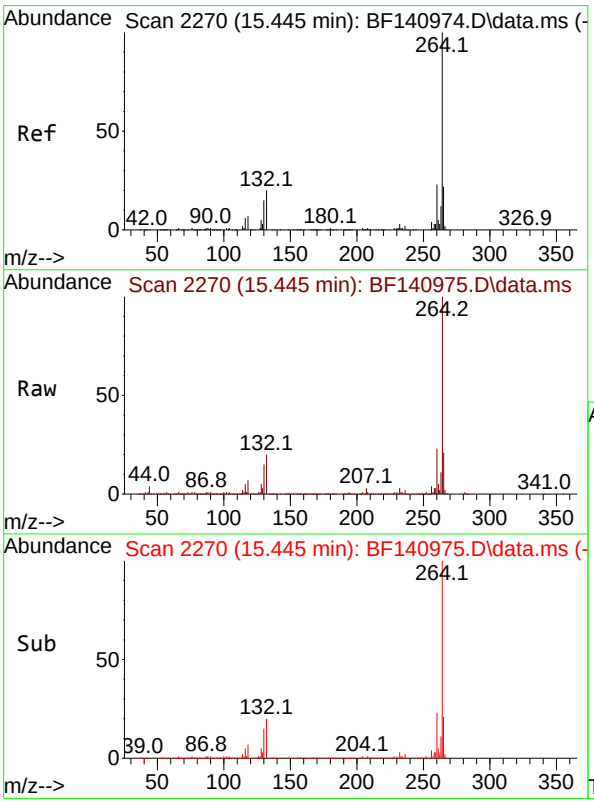
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	11.4	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

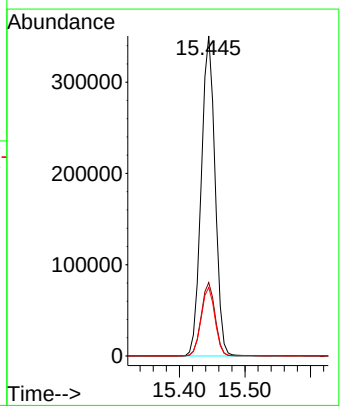
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

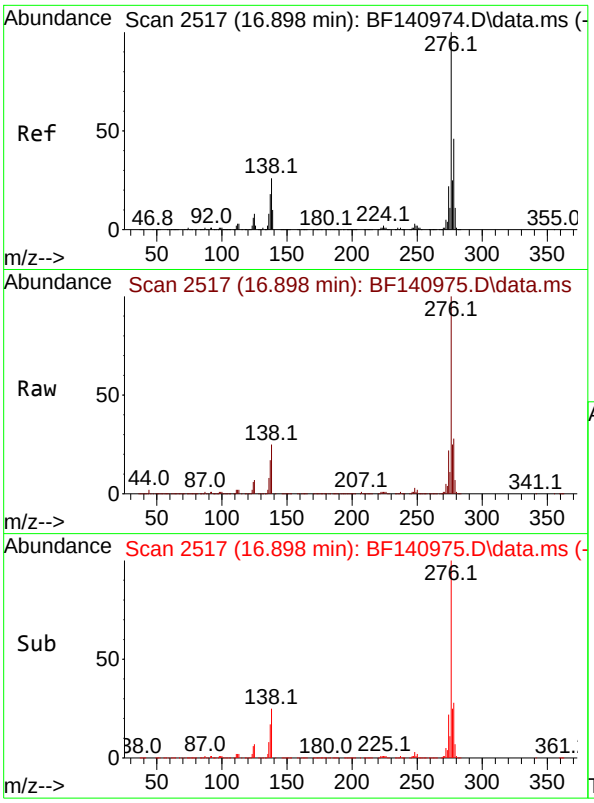


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:264 Resp: 515270

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.4	17.4	26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 55.447 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

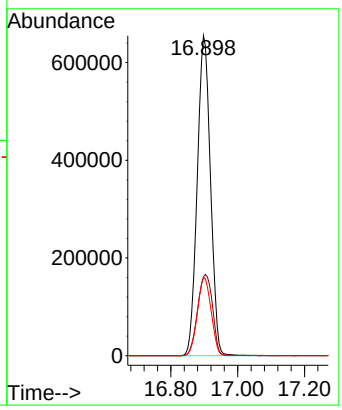
Tgt Ion:276 Resp: 179997

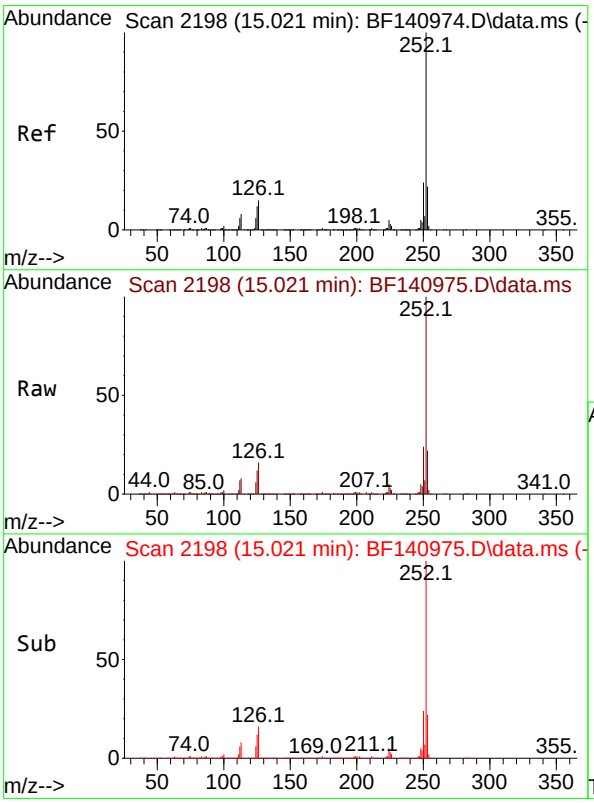
Ion	Ratio	Lower	Upper
276	100		
138	28.6	23.1	34.7
277	25.5	20.4	30.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

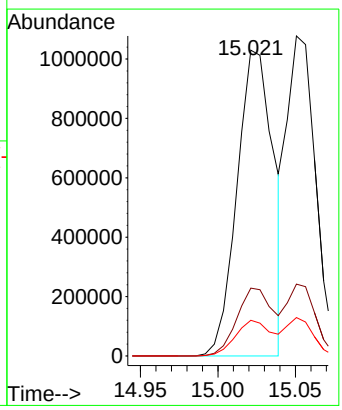


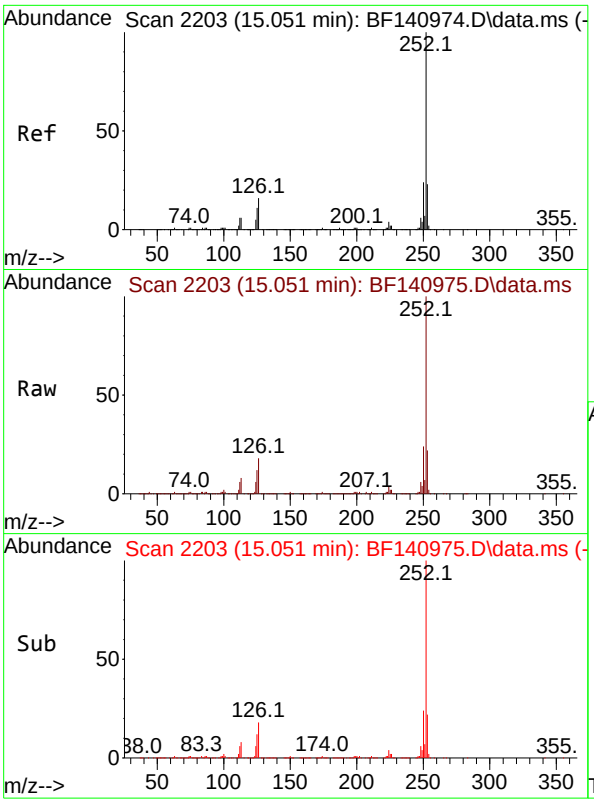


#88
Benzo(b)fluoranthene
Concen: 46.828 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:252 Resp: 1682869

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.7	9.3	13.9

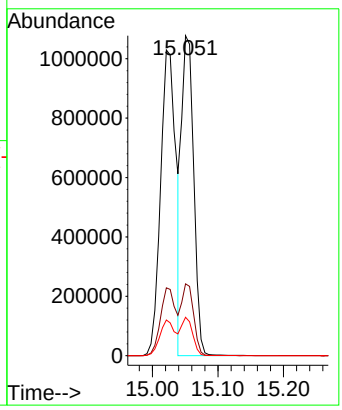




#89
Benzo(k)fluoranthene
Concen: 49.069 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:252 Resp: 138208

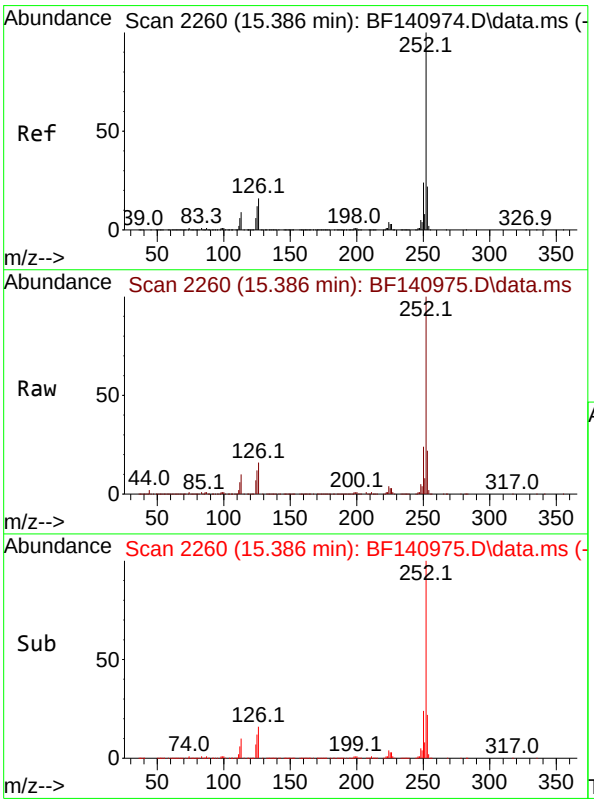
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	12.0	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

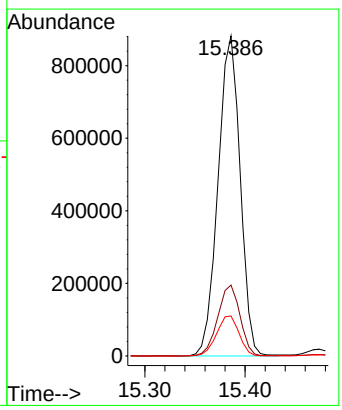
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

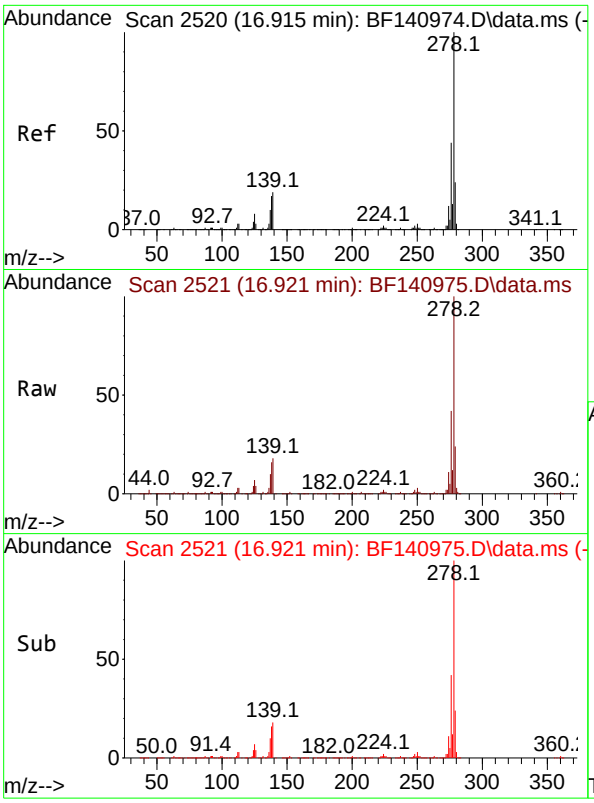


#90
Benzo(a)pyrene
Concen: 48.370 ng
RT: 15.386 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:252 Resp: 1349208

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.5	9.8	14.8

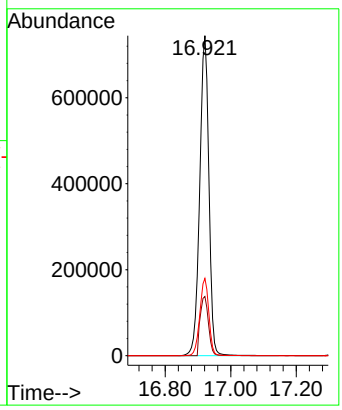




#91
Dibenzo(a,h)anthracene
Concen: 55.158 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:278 Resp: 145147

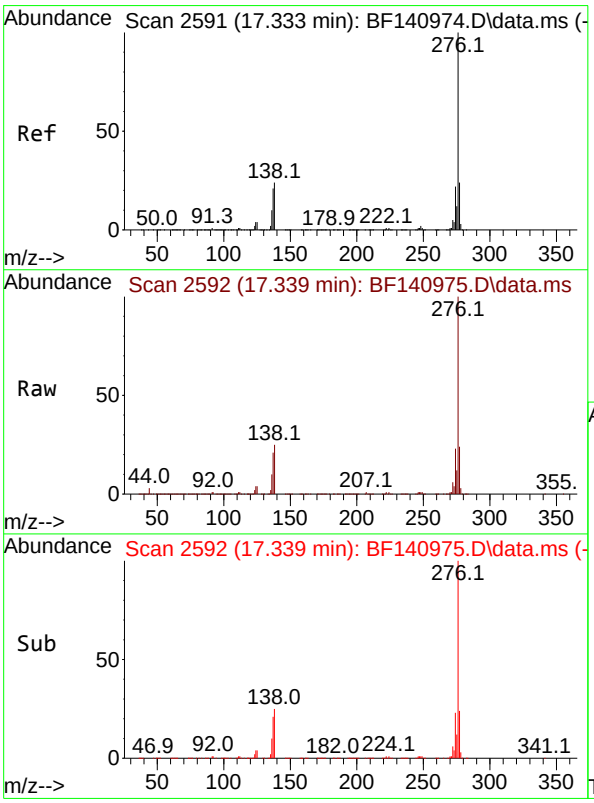
Ion	Ratio	Lower	Upper
278	100		
139	18.5	14.9	22.3
279	24.1	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

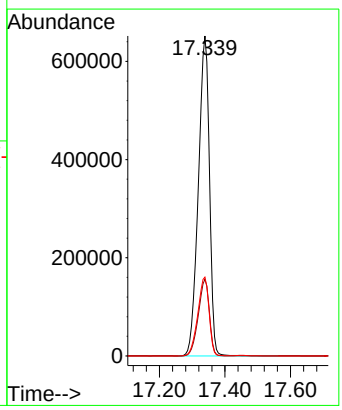
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#92
Benzo(g,h,i)perylene
Concen: 56.337 ng
RT: 17.339 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:276 Resp: 1537634

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	24.6	19.4	29.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140976.D
Acq On : 26 Dec 2024 18:59
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:25:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	268664	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	1029031	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	545680	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	952375	20.000	ng	0.00
76) Chrysene-d12	13.986	240	546797	20.000	ng	0.00
86) Perylene-d12	15.445	264	494154	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1988304	111.557	ng	0.00
7) Phenol-d6	6.457	99	2600411	113.257	ng	0.00
23) Nitrobenzene-d5	7.398	82	2156825	134.096	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	652968	123.146	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	3609485	105.387	ng	0.00
79) Terphenyl-d14	12.939	244	4068426	123.586	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.557	88	473973	58.739	ng	99
3) Pyridine	3.304	79	1105688	56.070	ng	99
4) n-Nitrosodimethylamine	3.263	42	598427	59.893	ng	100
6) Aniline	6.528	93	1052307m	51.389	ng	
8) 2-Chlorophenol	6.616	128	1063361	56.588	ng	99
9) Benzaldehyde	6.381	77	619087	59.109	ng	99
10) Phenol	6.469	94	1365070	57.498	ng	97
11) bis(2-Chloroethyl)ether	6.569	93	1112573	58.092	ng	96
12) 1,3-Dichlorobenzene	6.769	146	1157733	55.826	ng	98
13) 1,4-Dichlorobenzene	6.851	146	1160534	55.512	ng	99
14) 1,2-Dichlorobenzene	7.004	146	1070694	54.930	ng	99
15) Benzyl Alcohol	6.969	79	944223	57.228	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1624495	56.036	ng	100
17) 2-Methylphenol	7.075	107	893930	57.262	ng	98
18) Hexachloroethane	7.345	117	432447	58.230	ng	98
19) n-Nitroso-di-n-propyla...	7.251	70	792252	56.323	ng	99
20) 3+4-Methylphenols	7.234	107	1091707	55.260	ng	94
22) Acetophenone	7.245	105	1400933	55.496	ng	99
24) Nitrobenzene	7.416	77	1168779	65.032	ng	98
25) Isophorone	7.657	82	2034290	58.123	ng	100
26) 2-Nitrophenol	7.728	139	467251	61.735	ng	98
27) 2,4-Dimethylphenol	7.763	122	754114	58.955	ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	1248974	56.322	ng	99
29) 2,4-Dichlorophenol	7.963	162	866778	59.747	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	943563	57.464	ng	99
31) Naphthalene	8.134	128	2998347	55.296	ng	99
32) Benzoic acid	7.886	122	681257	62.038	ng	98
33) 4-Chloroaniline	8.186	127	1133393	57.778	ng	99
34) Hexachlorobutadiene	8.251	225	561087	57.963	ng	100
35) Caprolactam	8.557	113	294367	59.682	ng	99
36) 4-Chloro-3-methylphenol	8.657	107	953935	59.209	ng	100
37) 2-Methylnaphthalene	8.822	142	1924796	55.487	ng	100
38) 1-Methylnaphthalene	8.922	142	1898518	55.689	ng	100
40) 1,2,4,5-Tetrachloroben...	8.986	216	860616	57.327	ng	100
41) Hexachlorocyclopentadiene	8.975	237	311667	62.648	ng	99
43) 2,4,6-Trichlorophenol	9.098	196	623356	62.389	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140976.D
Acq On : 26 Dec 2024 18:59
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:25:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	597336	58.429	ng		99
46) 1,1'-Biphenyl	9.286	154	2302280	55.102	ng		99
47) 2-Chloronaphthalene	9.310	162	1807450	55.777	ng		99
48) 2-Nitroaniline	9.404	65	538159	61.984	ng		97
49) Acenaphthylene	9.728	152	2603514	55.811	ng		99
50) Dimethylphthalate	9.592	163	2047854	57.054	ng		100
51) 2,6-Dinitrotoluene	9.651	165	455999	61.208	ng		99
52) Acenaphthene	9.898	154	1786036	56.633	ng		100
53) 3-Nitroaniline	9.816	138	498260	61.600	ng		98
54) 2,4-Dinitrophenol	9.916	184	160979	62.314	ng	#	13
55) Dibenzofuran	10.069	168	2477328	55.896	ng		99
56) 4-Nitrophenol	9.963	139	414262	67.472	ng		100
57) 2,4-Dinitrotoluene	10.051	165	568343	62.002	ng		99
58) Fluorene	10.416	166	1857483	54.047	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	518034	61.184	ng		99
60) Diethylphthalate	10.292	149	2016065	56.895	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	911842	55.139	ng		99
62) 4-Nitroaniline	10.433	138	492850	60.999	ng		98
63) Azobenzene	10.569	77	2116887	56.916	ng		99
65) 4,6-Dinitro-2-methylph...	10.457	198	244187	61.133	ng		99
66) n-Nitrosodiphenylamine	10.528	169	1699227	56.660	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	568559	55.225	ng		97
68) Hexachlorobenzene	10.957	284	655571	57.748	ng		98
69) Atrazine	11.051	200	399874	47.727	ng		99
70) Pentachlorophenol	11.145	266	459586	65.024	ng		100
71) Phenanthrene	11.374	178	2736242	54.589	ng		99
72) Anthracene	11.427	178	2700285	54.978	ng		99
73) Carbazole	11.580	167	2591020	54.876	ng		99
74) Di-n-butylphthalate	11.916	149	2982533	55.537	ng		100
75) Fluoranthene	12.563	202	2957043	54.394	ng		99
77) Benzidine	12.680	184	840598	72.741	ng		99
78) Pyrene	12.792	202	3019750	63.146	ng		99
80) Butylbenzylphthalate	13.416	149	1164076	66.663	ng		99
81) Benzo(a)anthracene	13.974	228	2189499	57.454	ng		100
82) 3,3'-Dichlorobenzidine	13.945	252	633054	55.291	ng		99
83) Chrysene	14.015	228	1979370	57.618	ng		99
84) Bis(2-ethylhexyl)phtha...	13.974	149	1372706	60.602	ng		100
85) Di-n-octyl phthalate	14.592	149	1956498	59.679	ng		99
87) Indeno(1,2,3-cd)pyrene	16.898	276	2132438	68.495	ng		100
88) Benzo(b)fluoranthene	15.021	252	2019420	58.595	ng		100
89) Benzo(k)fluoranthene	15.051	252	1506683	55.778	ng		100
90) Benzo(a)pyrene	15.380	252	1578812	59.020	ng		98
91) Dibenzo(a,h)anthracene	16.921	278	1726815	68.425	ng		99
92) Benzo(g,h,i)perylene	17.339	276	1843269	70.421	ng		100

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

ICAL Form

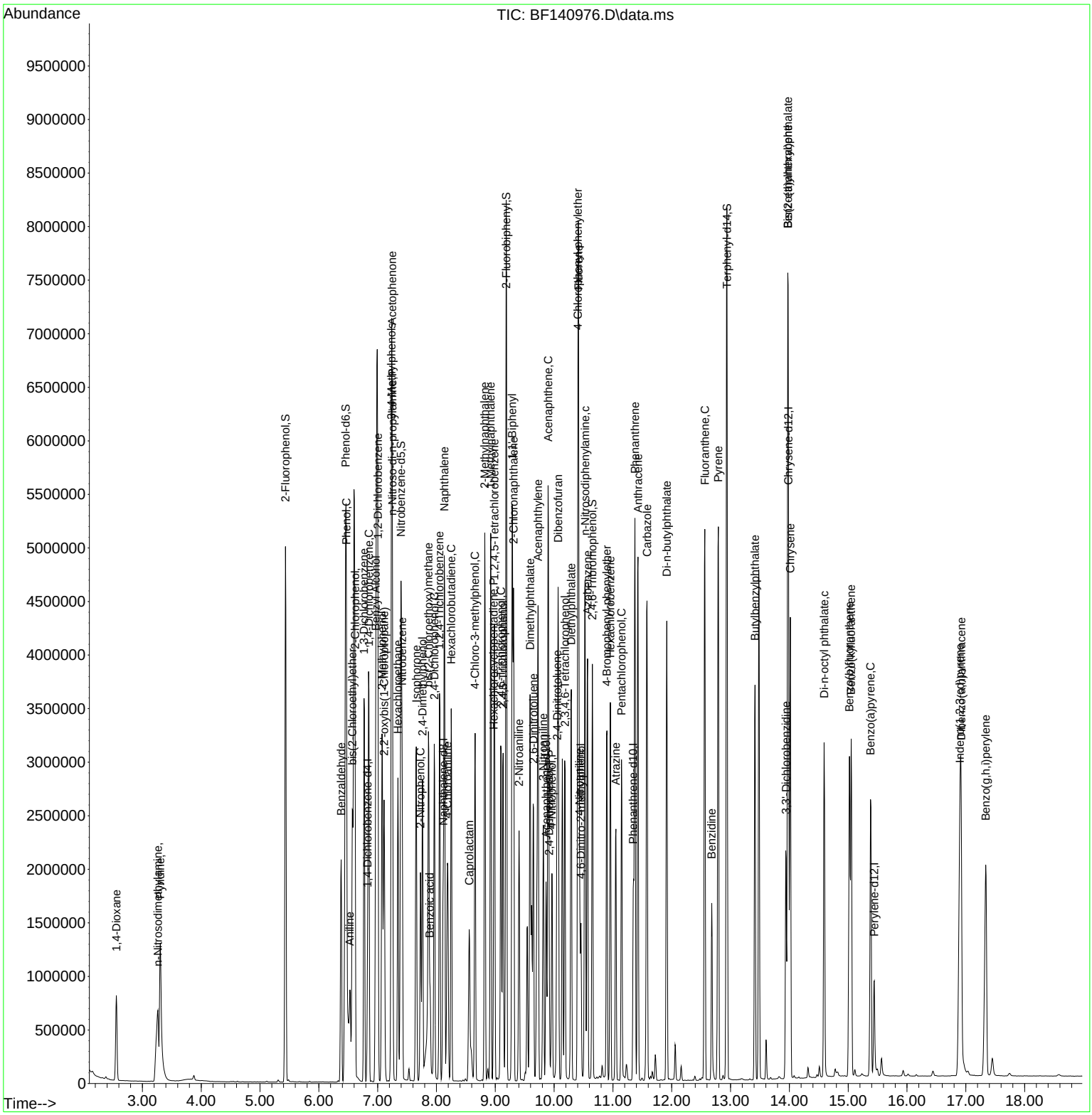
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Data File : BF140976.D
Acq On : 26 Dec 2024 18:59
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

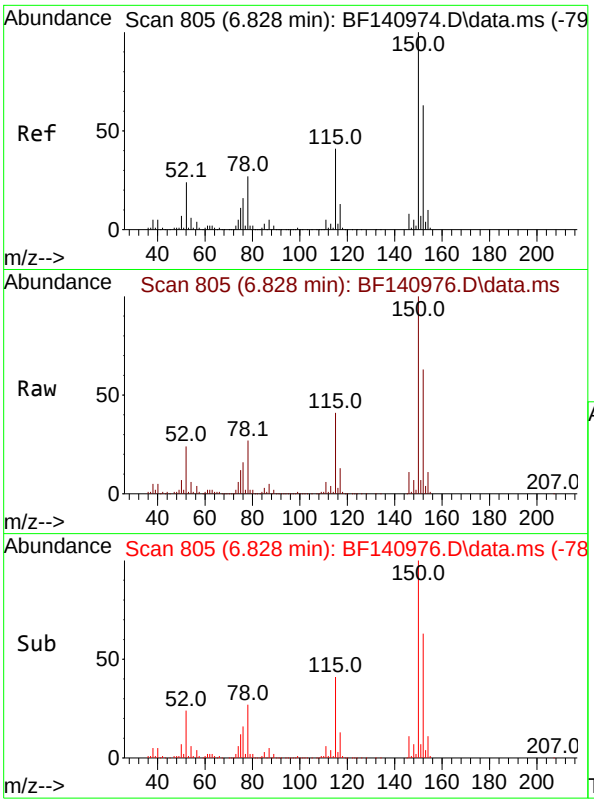
Quant Time: Dec 27 00:25:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

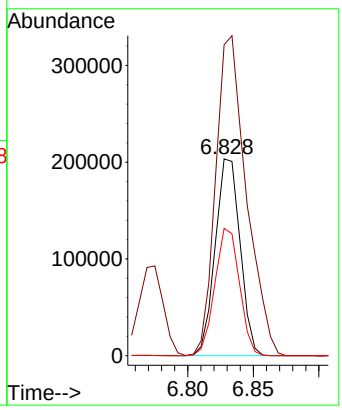




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:152 Resp: 26866

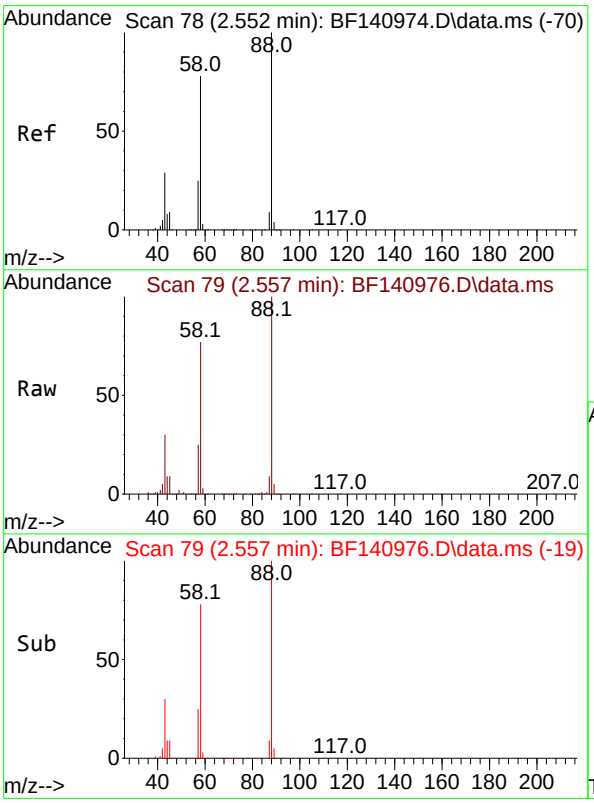
Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.0	190.6
115	64.7	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

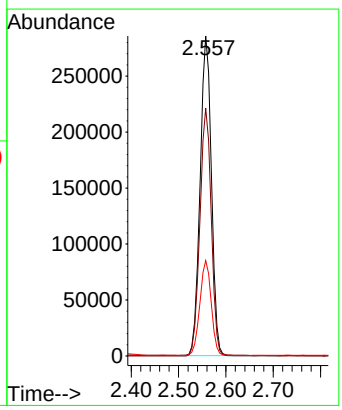
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

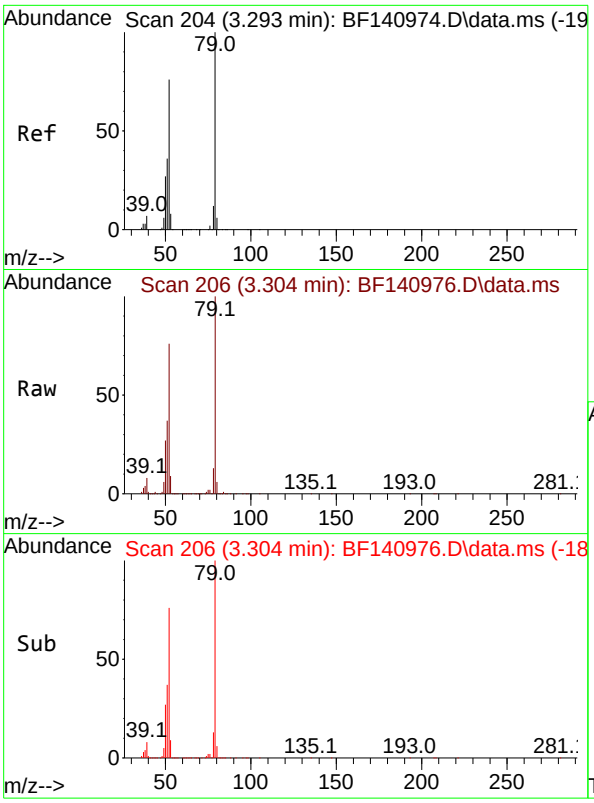


#2
1,4-Dioxane
Concen: 58.739 ng
RT: 2.557 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 88 Resp: 473973

Ion	Ratio	Lower	Upper
88	100		
58	77.7	63.0	94.4
43	29.8	23.4	35.2





#3
Pyridine
Concen: 56.070 ng
RT: 3.304 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

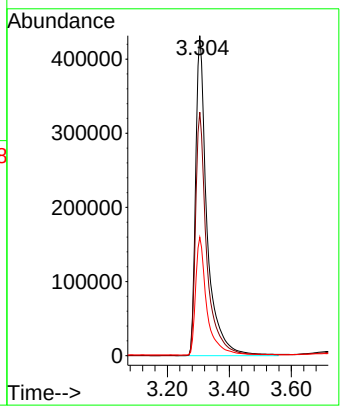
Tgt Ion: 79 Resp: 110568

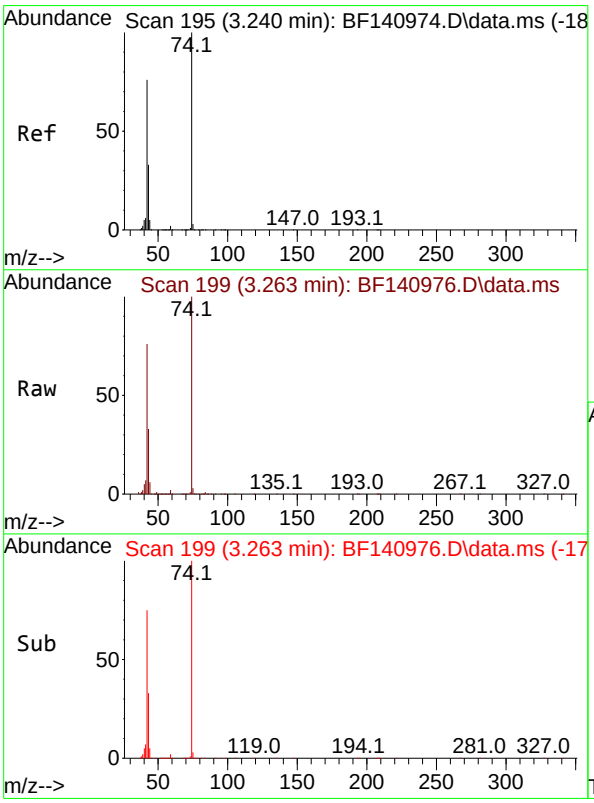
Ion	Ratio	Lower	Upper
79	100		
52	76.1	60.4	90.6
51	37.0	28.8	43.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

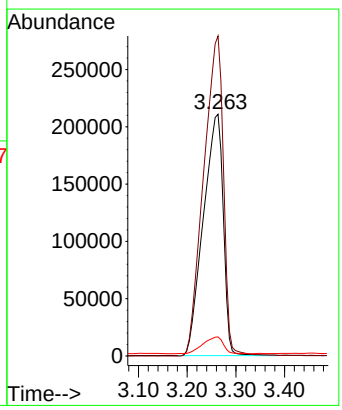


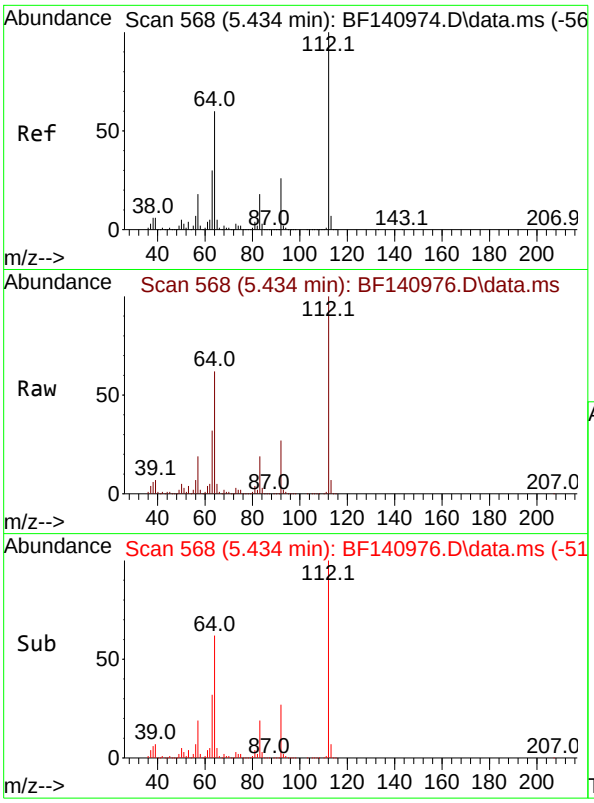


#4
n-Nitrosodimethylamine
Concen: 59.893 ng
RT: 3.263 min Scan# 199
Delta R.T. 0.023 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 42 Resp: 598427

Ion	Ratio	Lower	Upper
42	100		
74	132.3	105.8	158.6
44	7.9	6.6	10.0

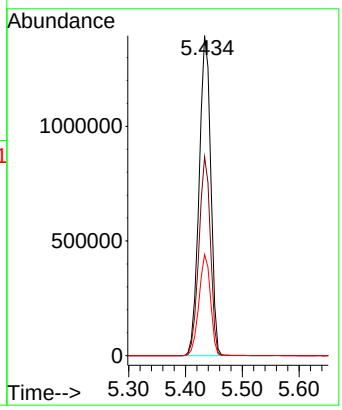




#5
2-Fluorophenol
Concen: 111.557 ng
RT: 5.434 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:112 Resp: 198830

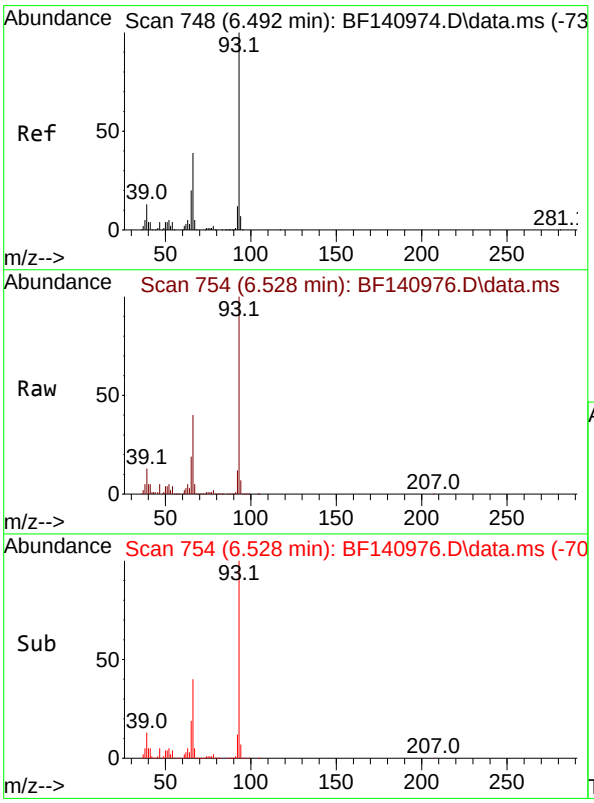
Ion	Ratio	Lower	Upper
112	100		
64	62.1	47.7	71.5
63	31.6	24.2	36.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

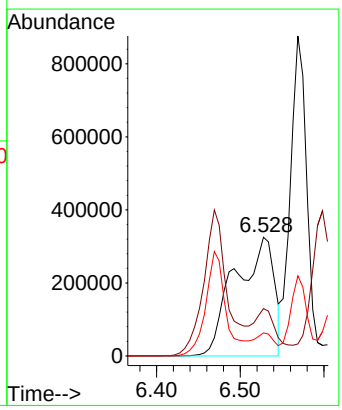
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

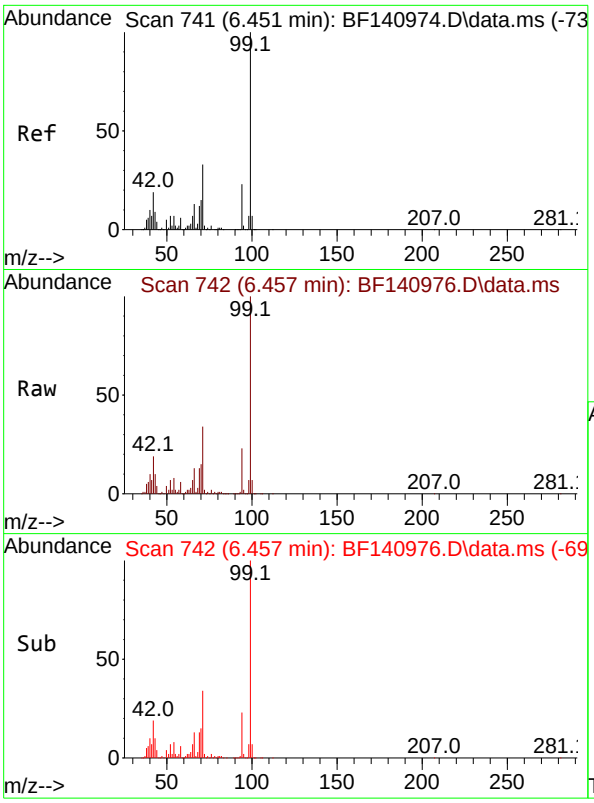


#6
Aniline
Concen: 51.389 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.018 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 93 Resp: 1052307

Ion	Ratio	Lower	Upper
93	100		
66	39.9	31.8	47.8
65	19.5	15.4	23.0

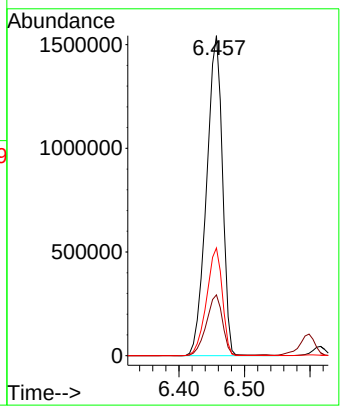




#7
Phenol-d6
Concen: 113.257 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 99 Resp: 260041

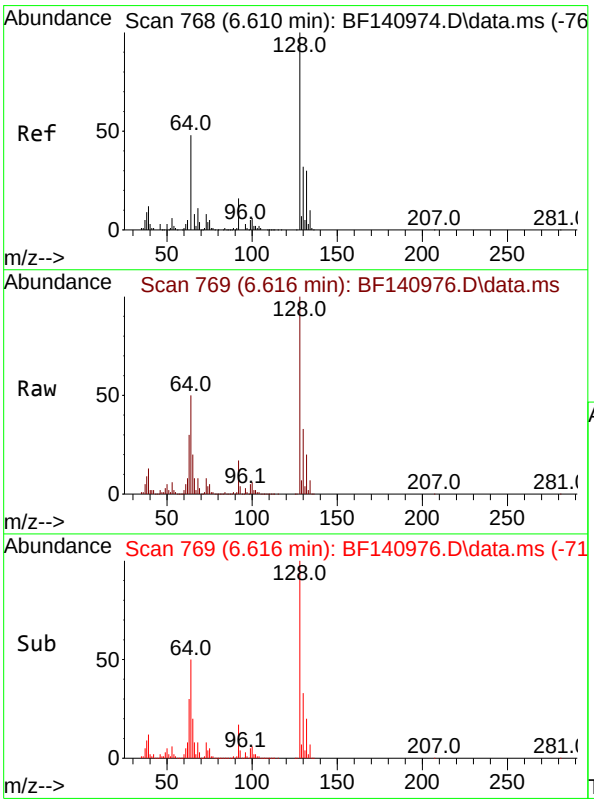
Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.0	22.4
71	33.7	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

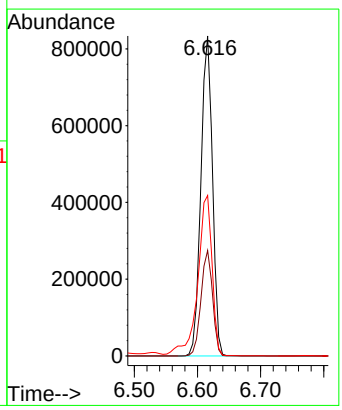
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

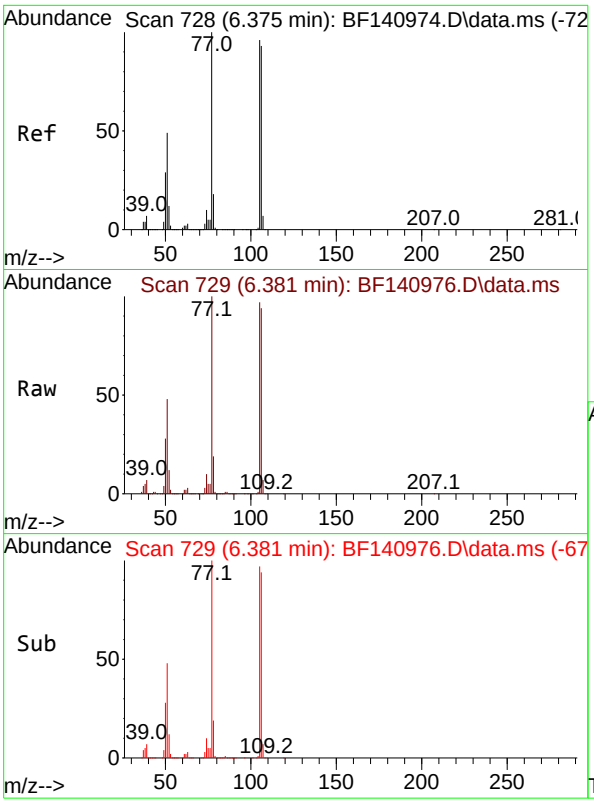


#8
2-Chlorophenol
Concen: 56.588 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:128 Resp: 1063361

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.2	52.2
64	50.2	30.3	70.3

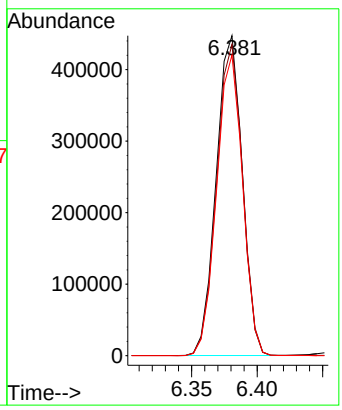




#9
Benzaldehyde
Concen: 59.109 ng
RT: 6.381 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 77 Resp: 61908

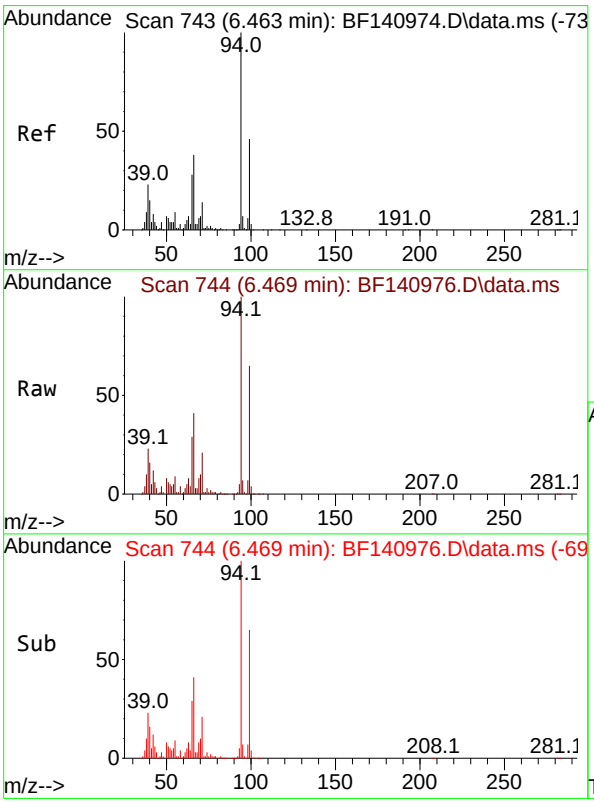
Ion	Ratio	Lower	Upper
77	100		
105	97.3	76.2	116.2
106	94.0	73.4	113.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

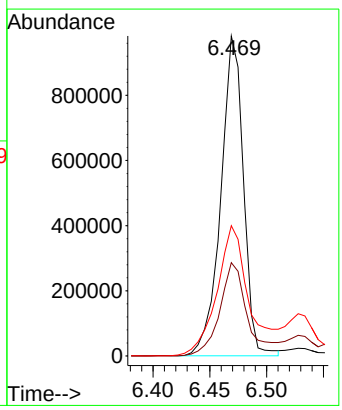
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

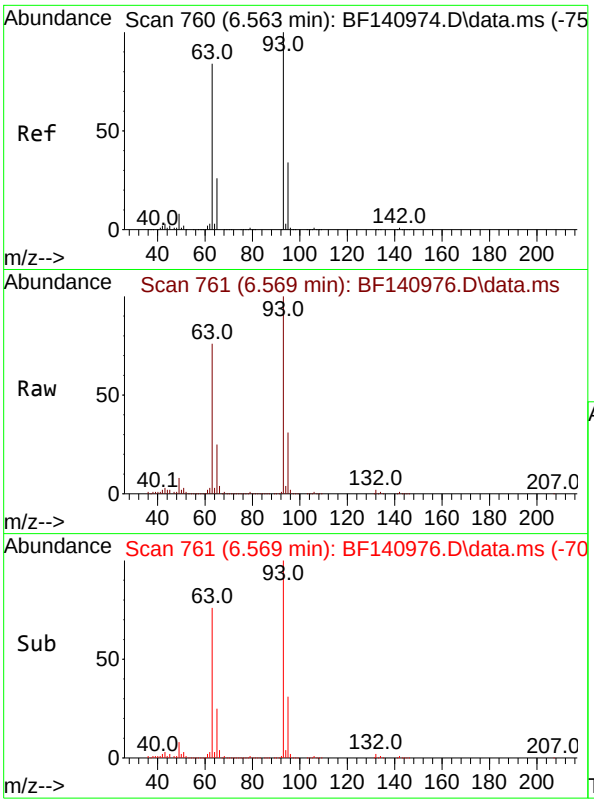


#10
Phenol
Concen: 57.498 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 94 Resp: 1365070

Ion	Ratio	Lower	Upper
94	100		
65	29.1	8.1	48.1
66	40.7	18.7	58.7

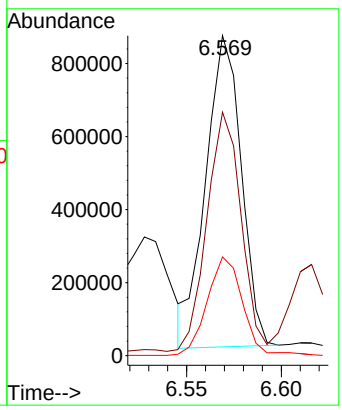




#11
bis(2-Chloroethyl)ether
Concen: 58.092 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 93 Resp: 111257

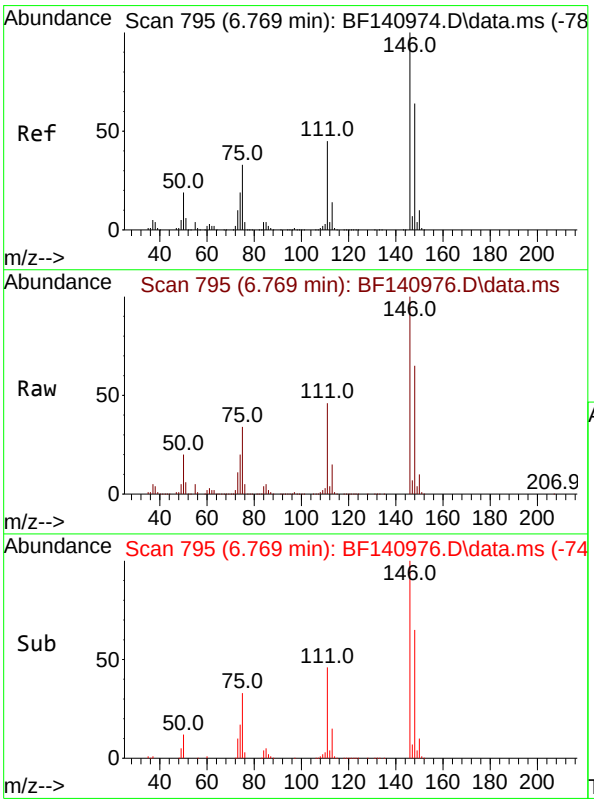
Ion	Ratio	Lower	Upper
93	100		
63	76.1	60.3	100.3
95	30.9	12.2	52.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

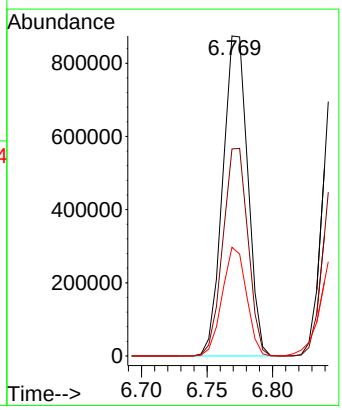
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

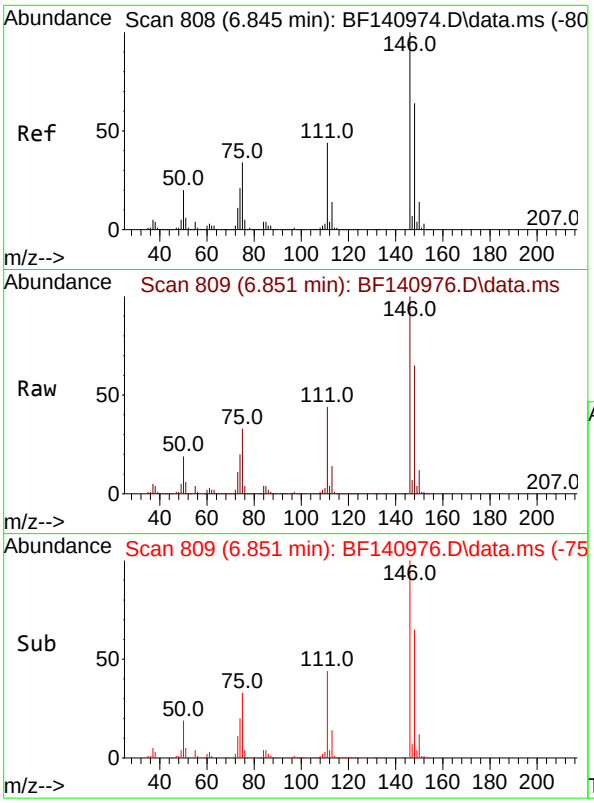


#12
1,3-Dichlorobenzene
Concen: 55.826 ng
RT: 6.769 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:146 Resp: 1157733

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.4
75	33.9	26.1	39.1

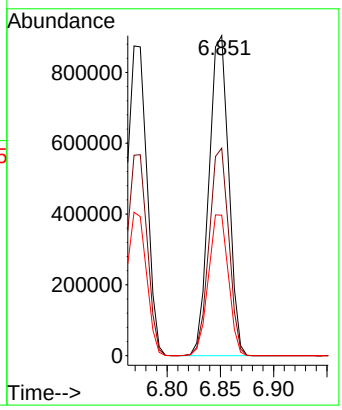




#13
1,4-Dichlorobenzene
Concen: 55.512 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:146 Resp: 116053

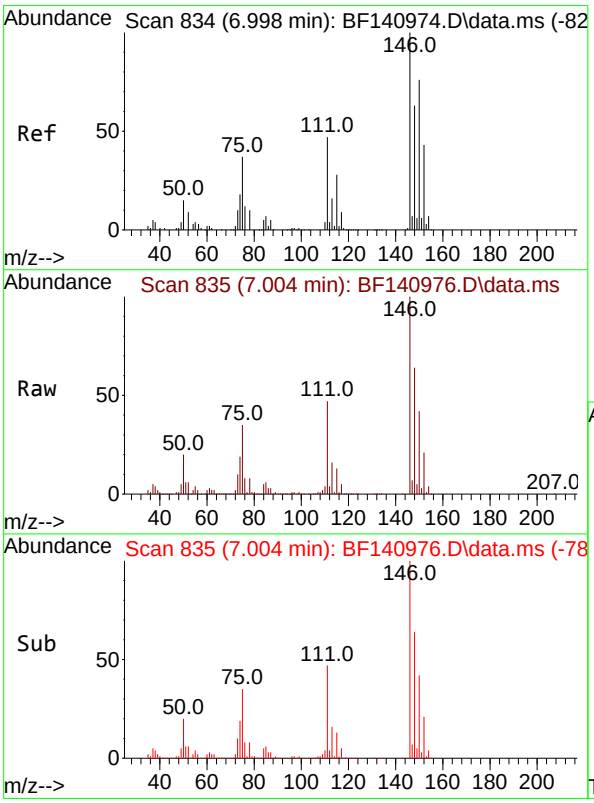
Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.3	76.9
111	43.9	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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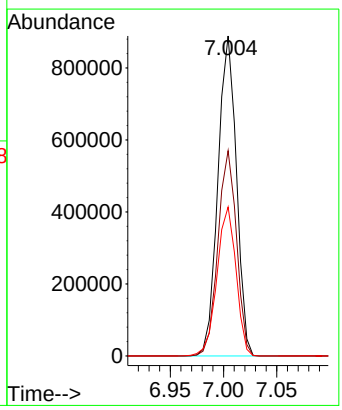
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

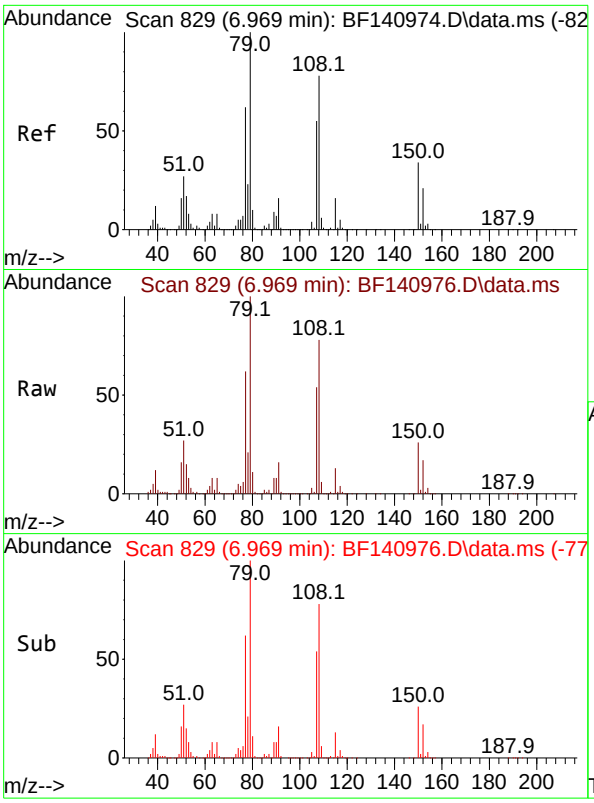


#14
1,2-Dichlorobenzene
Concen: 54.930 ng
RT: 7.004 min Scan# 835
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:146 Resp: 1070694

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.6	76.0
111	46.6	37.3	55.9





#15
Benzyl Alcohol
Concen: 57.228 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

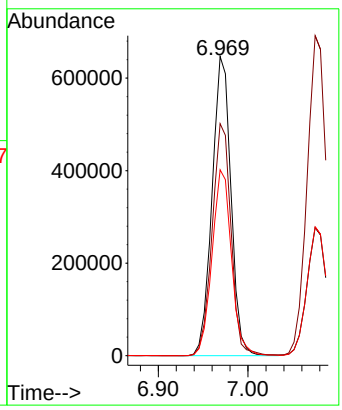
Tgt Ion: 79 Resp: 94422

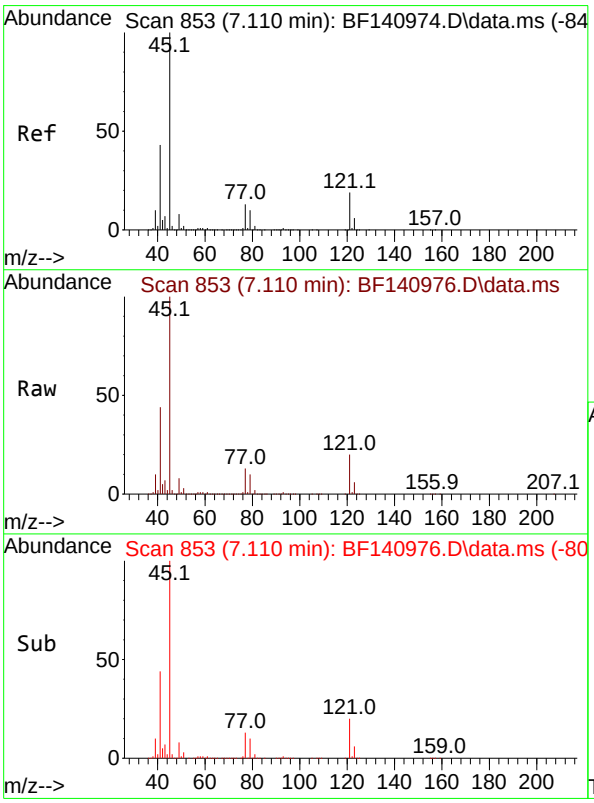
Ion	Ratio	Lower	Upper
79	100		
108	77.5	62.5	93.7
77	62.2	49.3	73.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

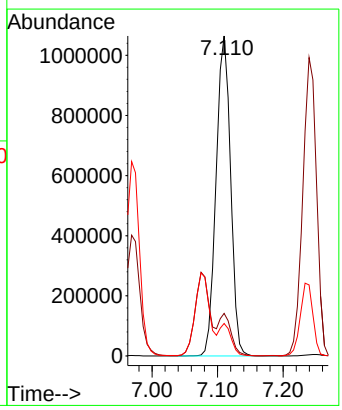


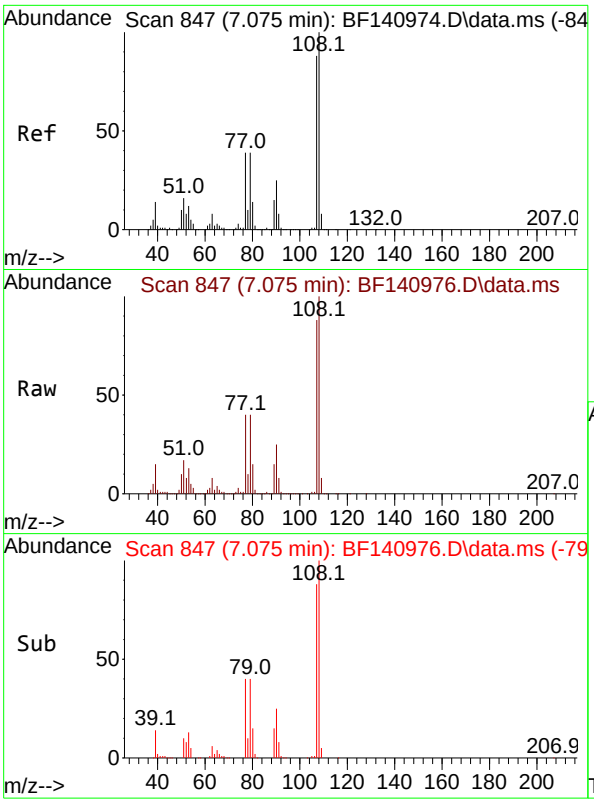


#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.036 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 45 Resp: 1624495

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	33.1
79	10.2	0.0	30.1

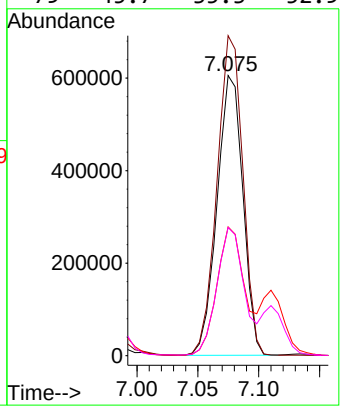




#17
2-Methylphenol
Concen: 57.262 ng
RT: 7.075 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:107 Resp: 89393

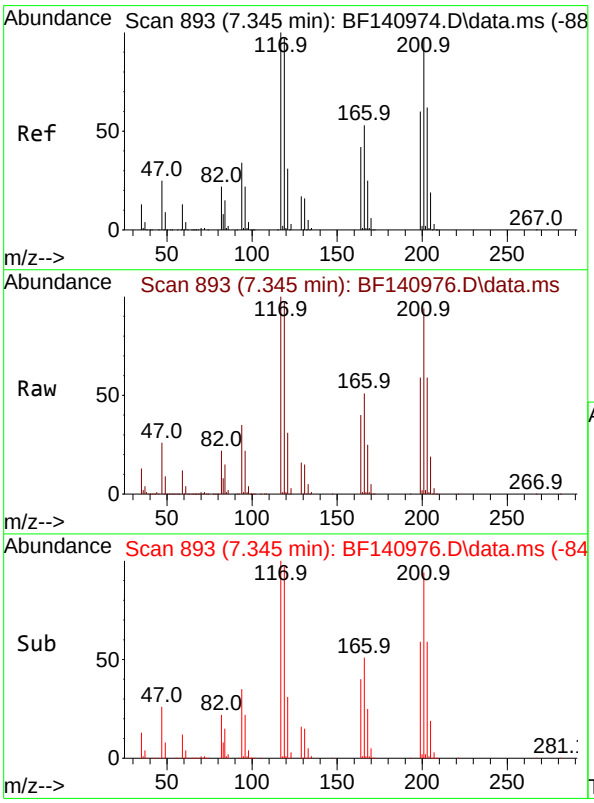
Ion	Ratio	Lower	Upper
107	100		
108	114.2	90.6	136.0
77	46.0	35.3	52.9
79	45.7	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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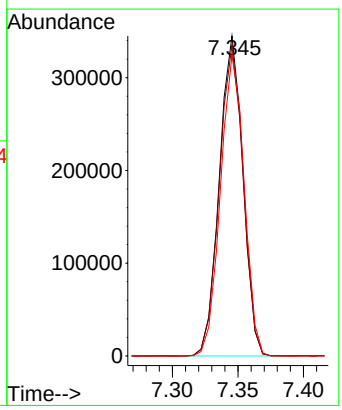
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

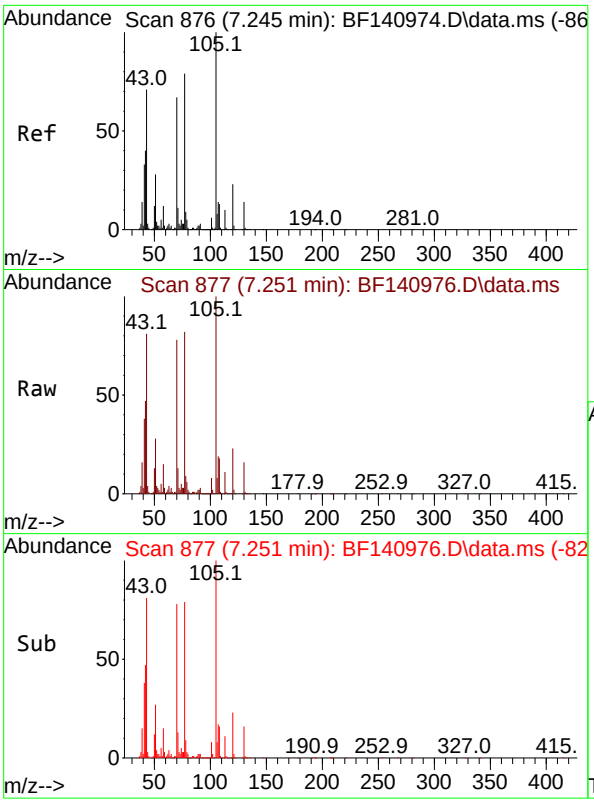


#18
Hexachloroethane
Concen: 58.230 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:117 Resp: 432447

Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.5	116.3
201	94.0	77.4	116.2

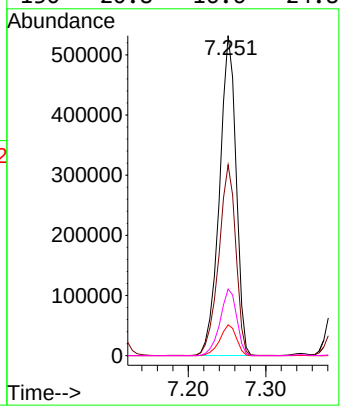




#19
n-Nitroso-di-n-propylamine
Concen: 56.323 ng
RT: 7.251 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 70 Resp: 79225

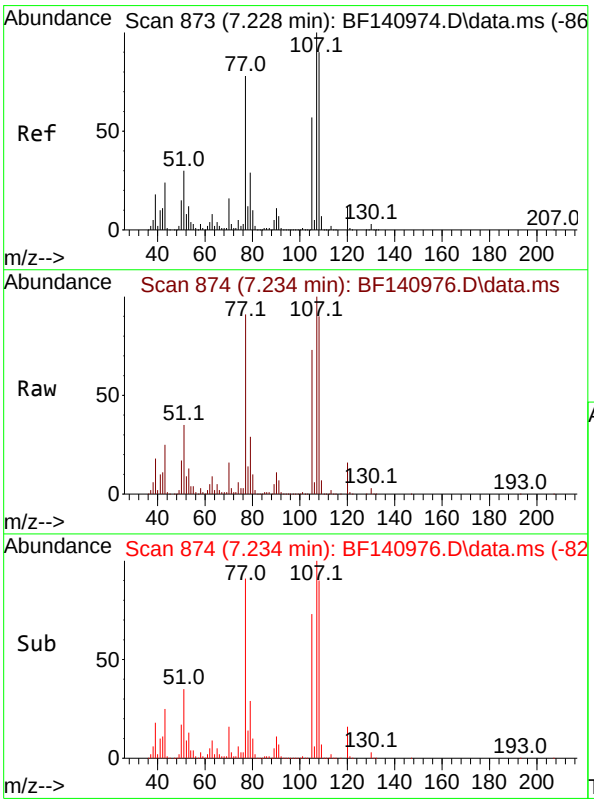
Ion	Ratio	Lower	Upper
70	100		
42	59.7	48.1	72.1
101	9.7	7.6	11.4
130	20.8	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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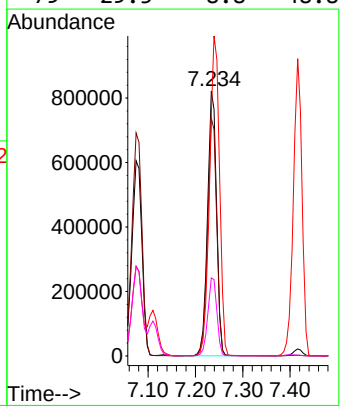
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

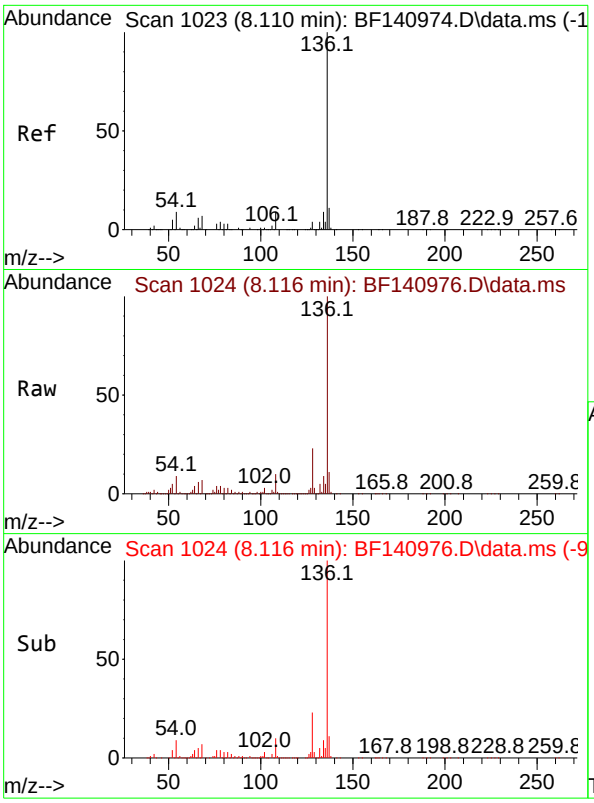


#20
3+4-Methylphenols
Concen: 55.260 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:107 Resp: 1091707

Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.6	109.6
77	91.0	57.6	97.6
79	29.5	8.8	48.8

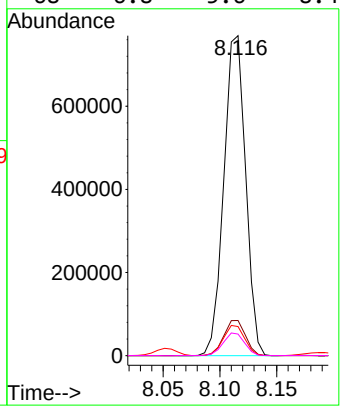




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:136 Resp: 102903

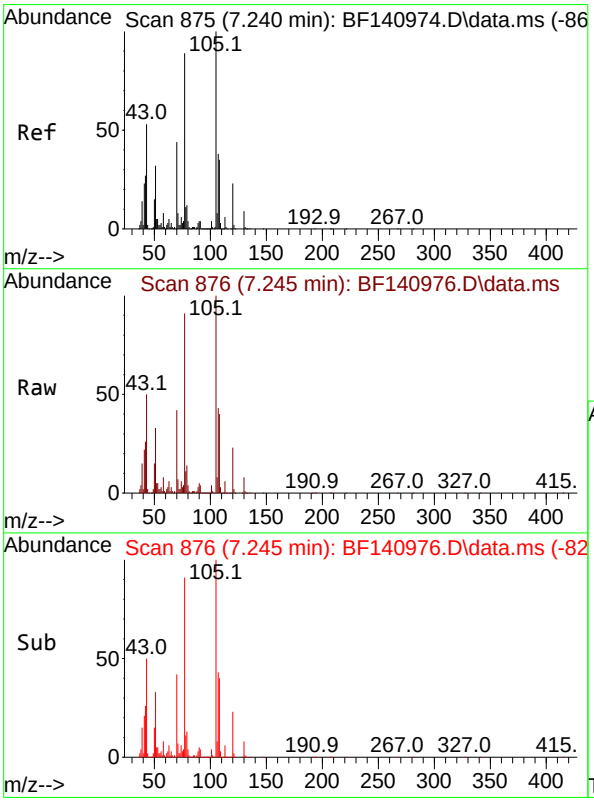
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.1	7.6	11.4
68	6.8	5.6	8.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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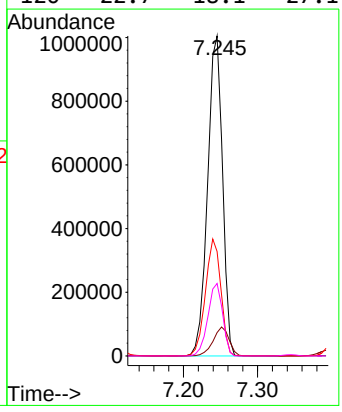
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

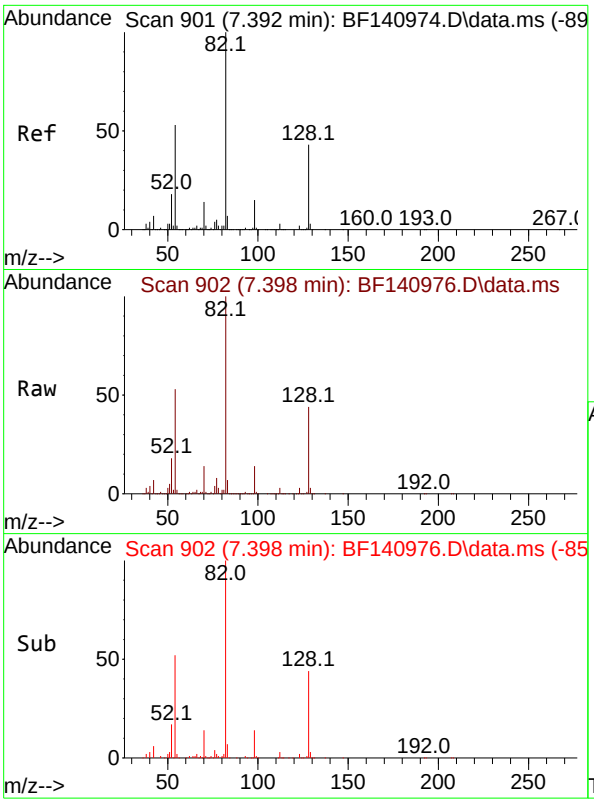


#22
Acetophenone
Concen: 55.496 ng
RT: 7.245 min Scan# 876
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:105 Resp: 1400933

Ion	Ratio	Lower	Upper
105	100		
71	7.3	6.1	9.1
51	32.7	25.8	38.6
120	22.7	18.1	27.1

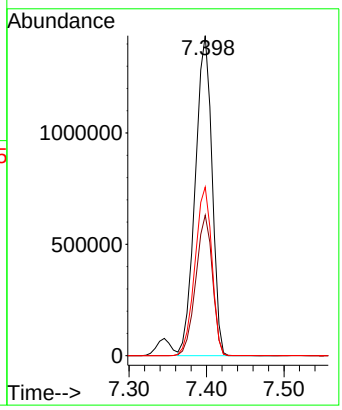




#23
Nitrobenzene-d5
Concen: 134.096 ng
RT: 7.398 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 82 Resp: 215682

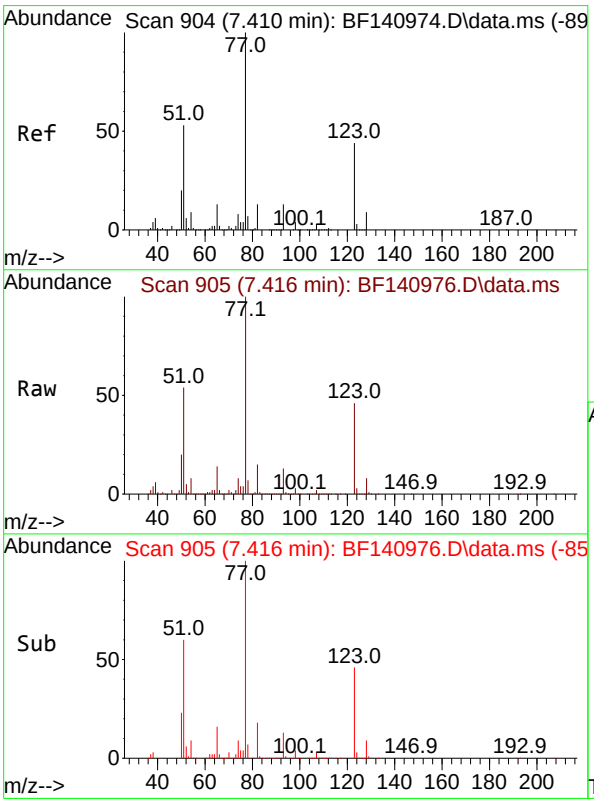
Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.4	51.6
54	52.7	42.4	63.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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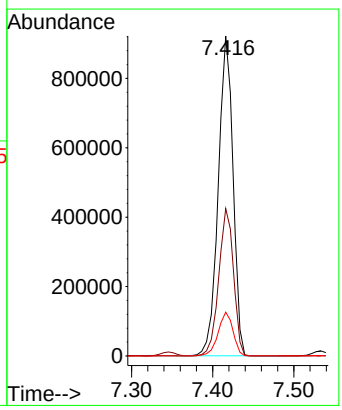
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

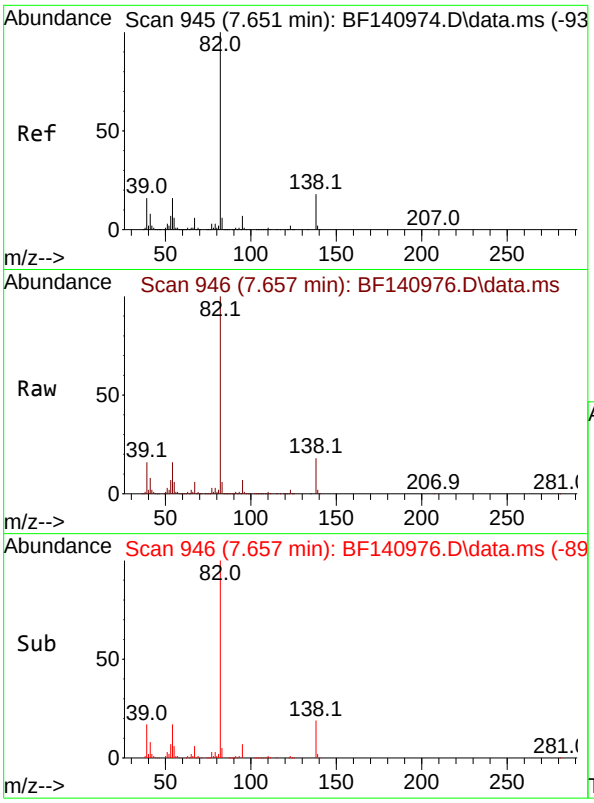


#24
Nitrobenzene
Concen: 65.032 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 77 Resp: 1168779

Ion	Ratio	Lower	Upper
77	100		
123	46.1	35.4	53.2
65	13.7	10.7	16.1

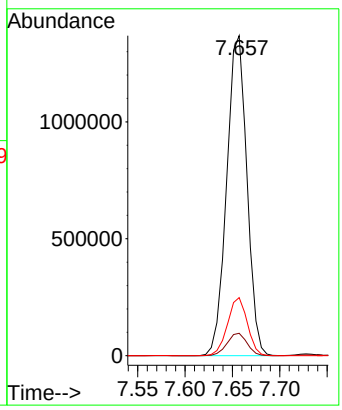




#25
Isophorone
Concen: 58.123 ng
RT: 7.657 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 82 Resp: 203429

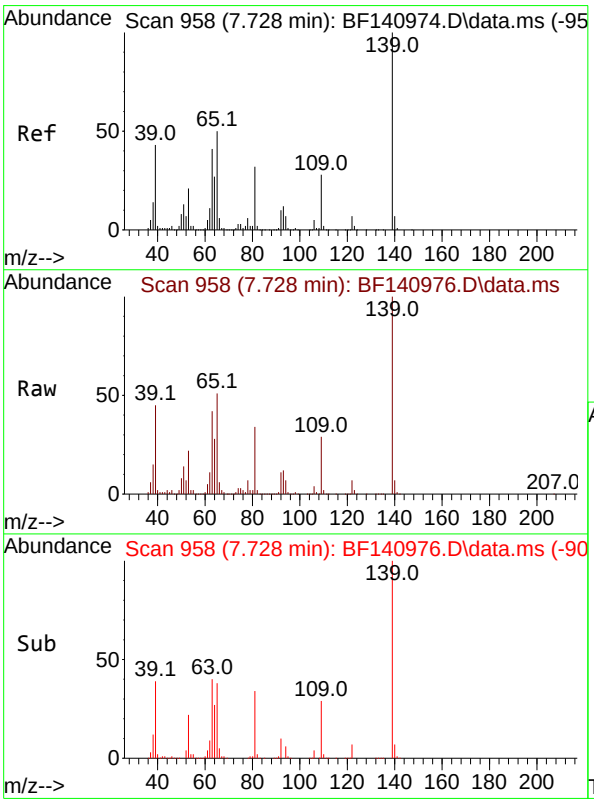
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	18.1	14.6	21.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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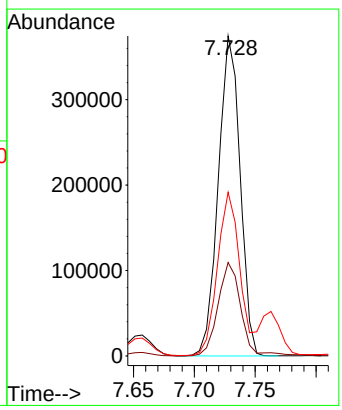
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

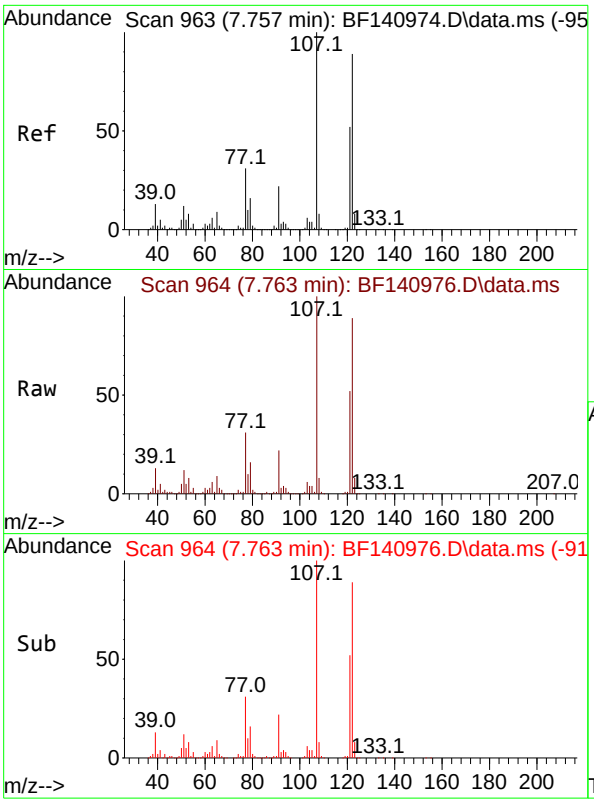


#26
2-Nitrophenol
Concen: 61.735 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:139 Resp: 467251

Ion	Ratio	Lower	Upper
139	100		
109	29.2	22.2	33.4
65	51.1	40.2	60.4





#27
2,4-Dimethylphenol
Concen: 58.955 ng
RT: 7.763 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

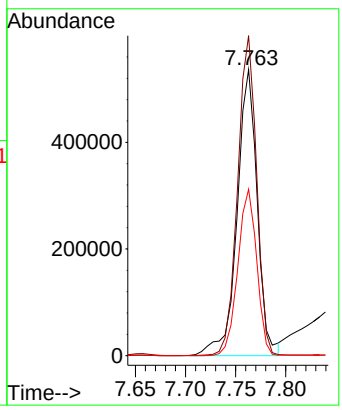
Tgt Ion:122 Resp: 75411

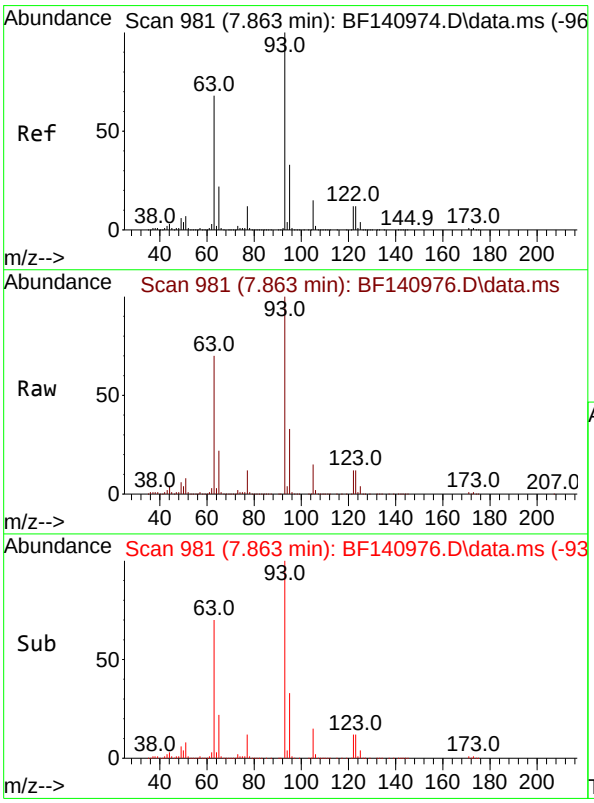
Ion	Ratio	Lower	Upper
122	100		
107	111.8	89.4	134.2
121	58.1	46.7	70.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

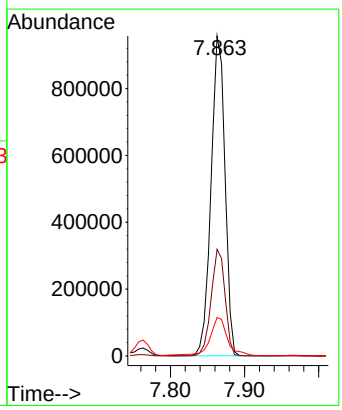


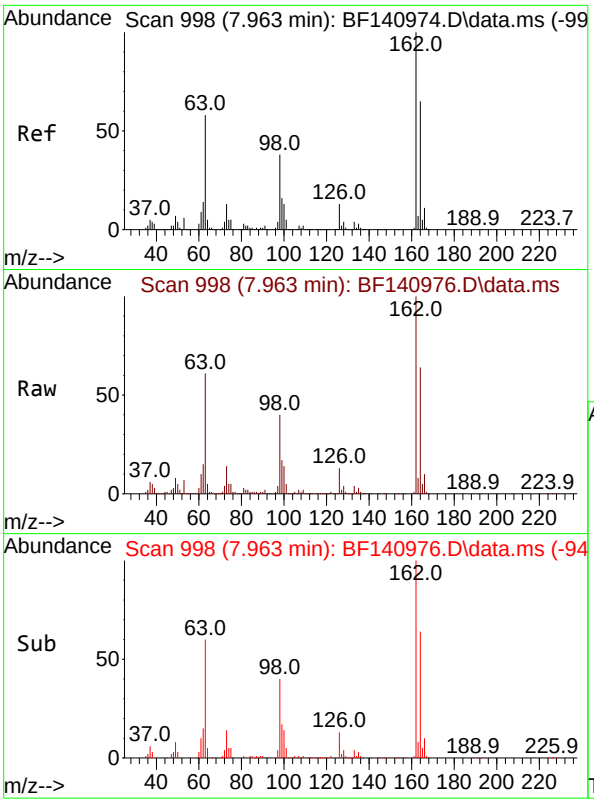


#28
bis(2-Chloroethoxy)methane
Concen: 56.322 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 93 Resp: 1248974

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.2	39.4
123	12.0	9.9	14.9





#29
2,4-Dichlorophenol
Concen: 59.747 ng
RT: 7.963 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

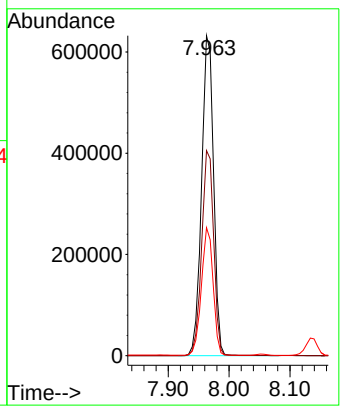
Tgt Ion:162 Resp: 86677

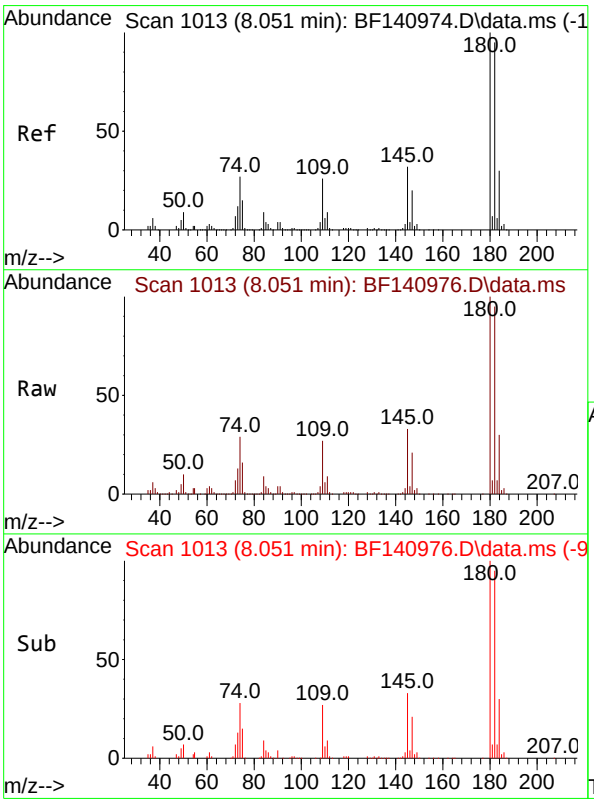
Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.8	84.8
98	40.0	18.6	58.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

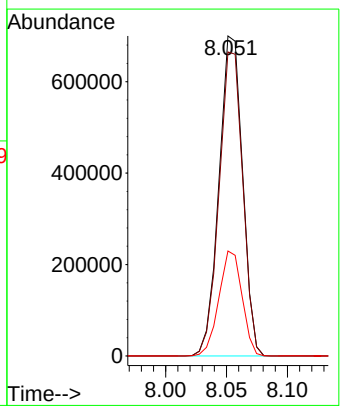


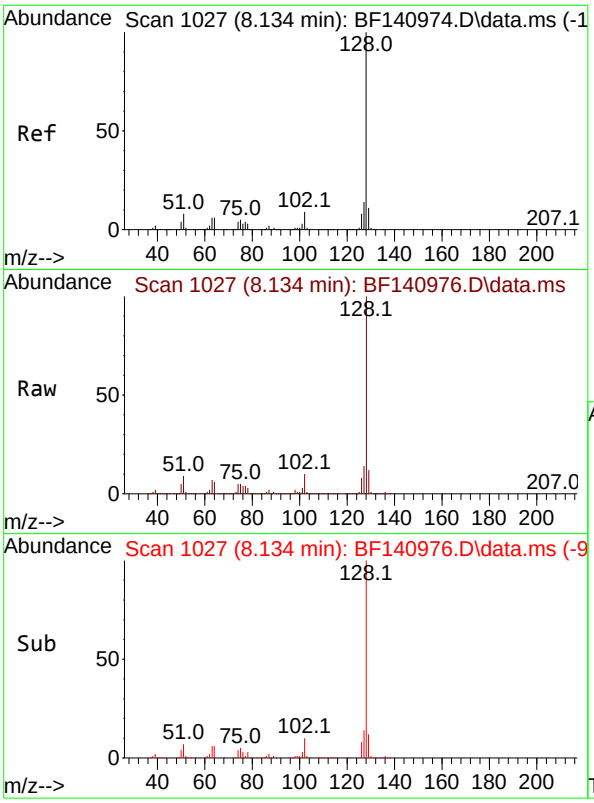


#30
1,2,4-Trichlorobenzene
Concen: 57.464 ng
RT: 8.051 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:180 Resp: 943563

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
145	32.8	25.4	38.2

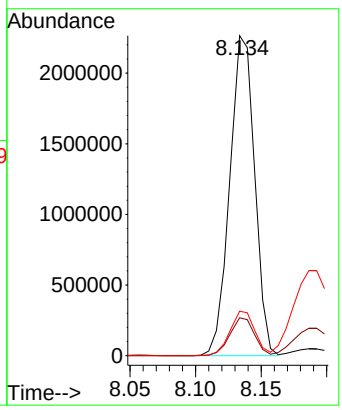




#31
Naphthalene
Concen: 55.296 ng
RT: 8.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:128 Resp: 299834

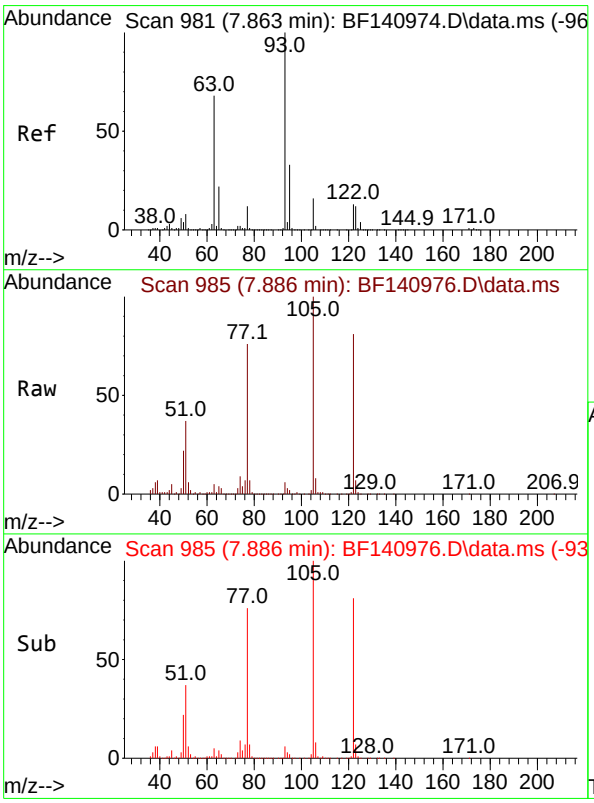
Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.2	13.8
127	13.9	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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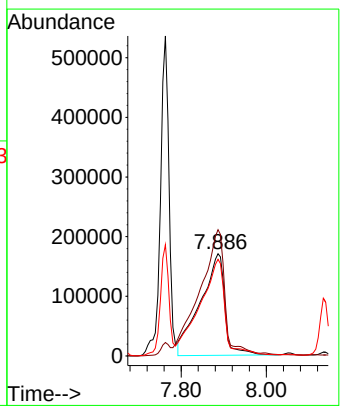
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

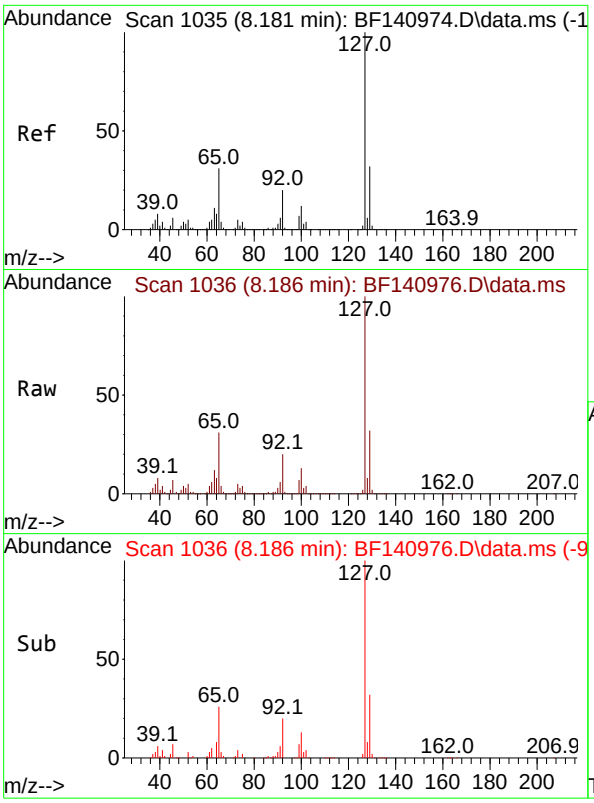


#32
Benzoic acid
Concen: 62.038 ng
RT: 7.886 min Scan# 985
Delta R.T. 0.023 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:122 Resp: 681257

Ion	Ratio	Lower	Upper
122	100		
105	123.4	105.4	145.4
77	94.4	76.4	116.4

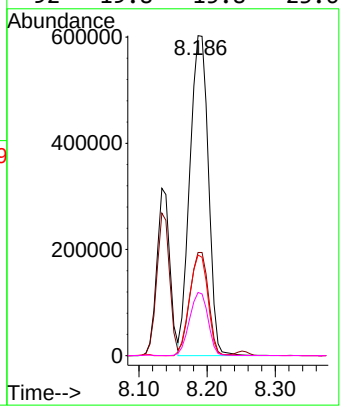




#33
4-Chloroaniline
Concen: 57.778 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:127 Resp: 113339

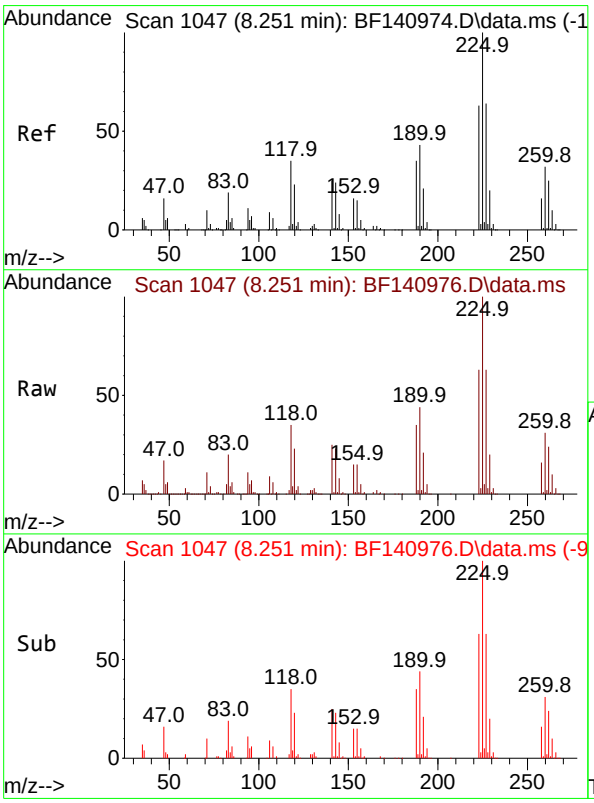
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	31.5	24.6	37.0
92	19.8	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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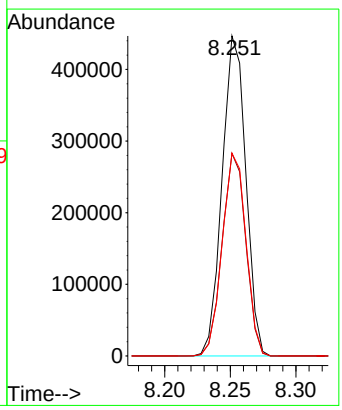
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

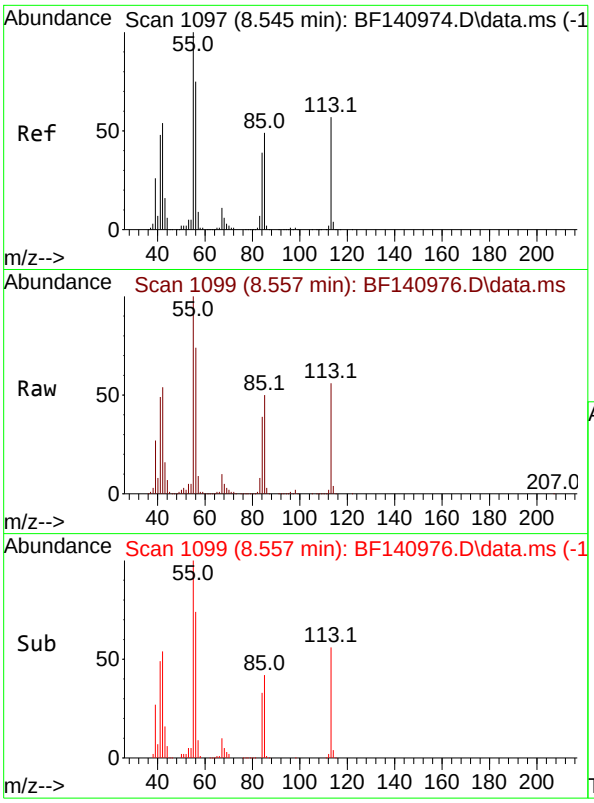


#34
Hexachlorobutadiene
Concen: 57.963 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:225 Resp: 561087

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.3	75.5
227	63.4	50.8	76.2





#35
Caprolactam
Concen: 59.682 ng
RT: 8.557 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

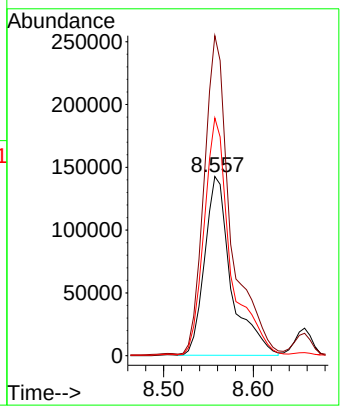
Tgt Ion:113 Resp: 29436

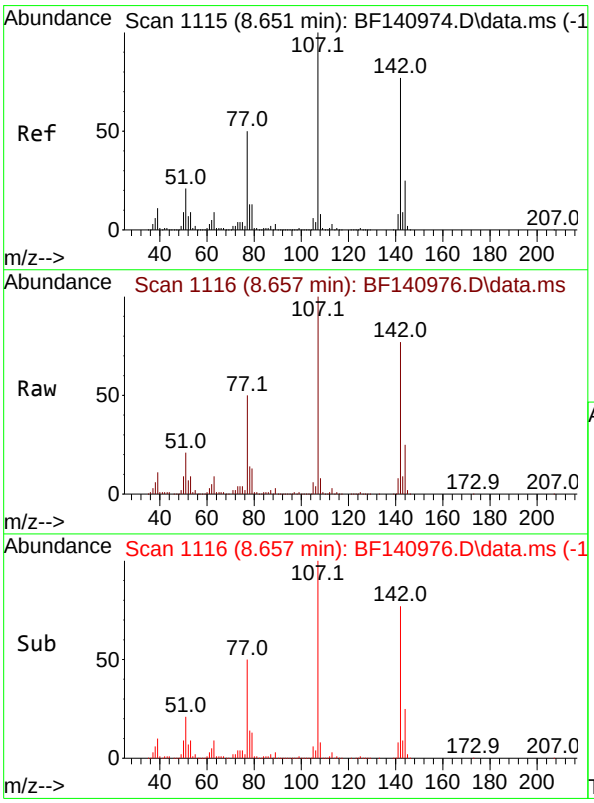
Ion	Ratio	Lower	Upper
113	100		
55	178.6	156.6	196.6
56	132.7	111.7	151.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Supervised By :mohammad ahmed 12/27/2024

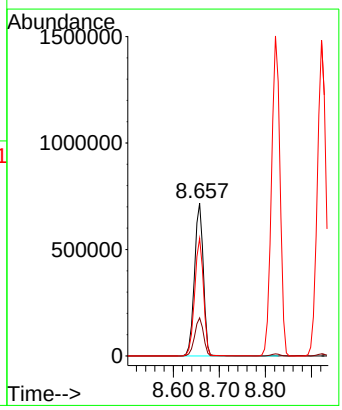


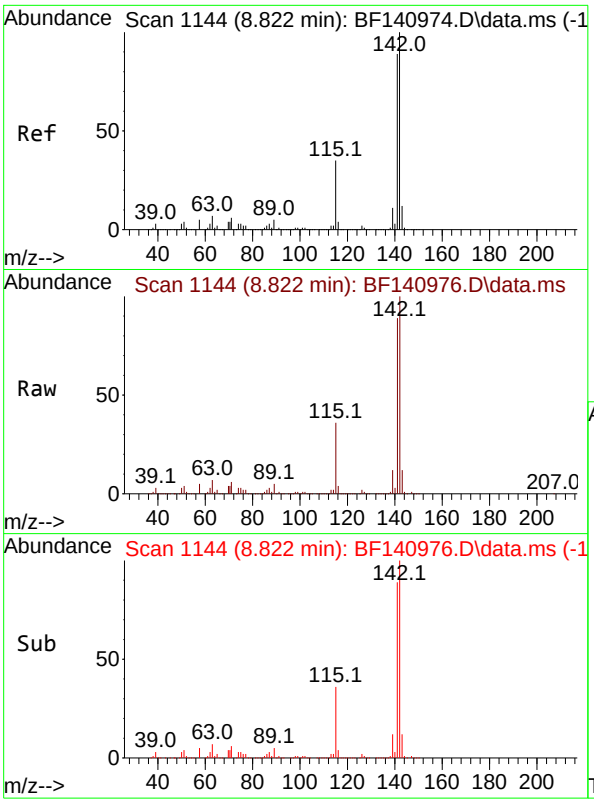


#36
4-Chloro-3-methylphenol
Concen: 59.209 ng
RT: 8.657 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:107 Resp: 953935

Ion	Ratio	Lower	Upper
107	100		
144	25.0	19.9	29.9
142	77.0	61.8	92.8





#37
2-Methylnaphthalene
Concen: 55.487 ng
RT: 8.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

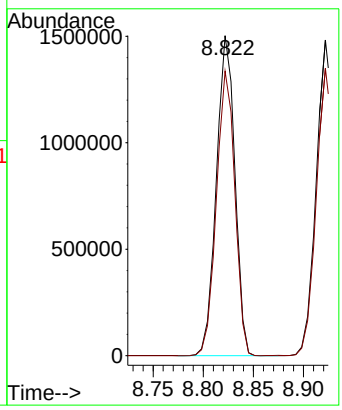
Tgt Ion:142 Resp: 192479

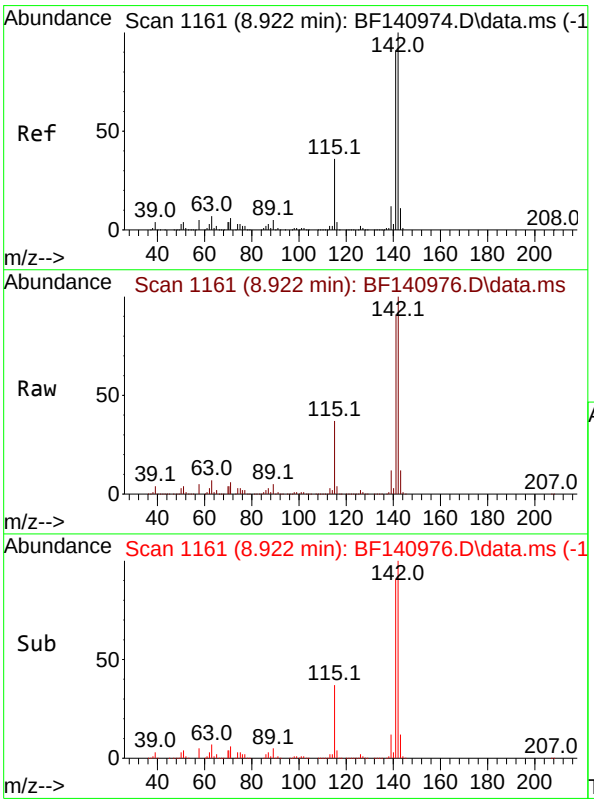
Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.1	106.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

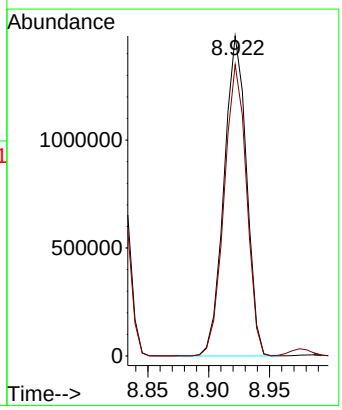


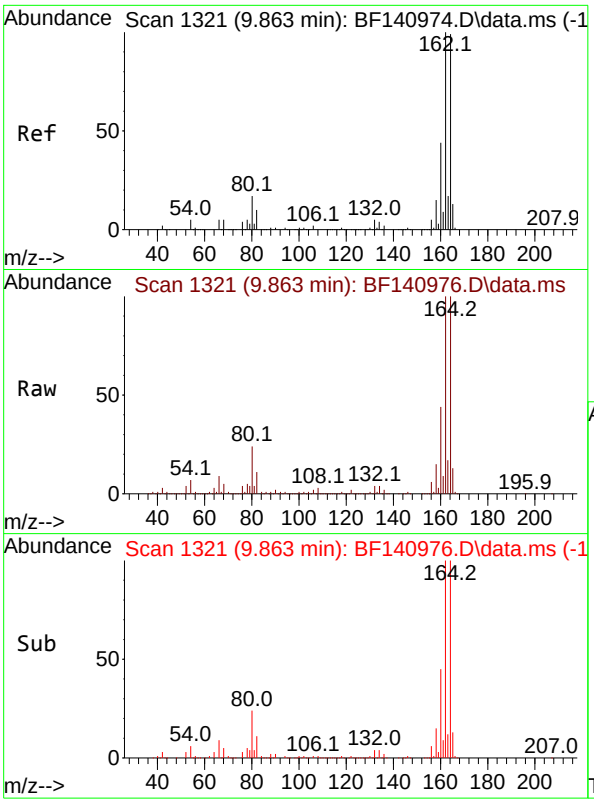


#38
1-Methylnaphthalene
Concen: 55.689 ng
RT: 8.922 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:142 Resp: 1898518

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.7	109.1

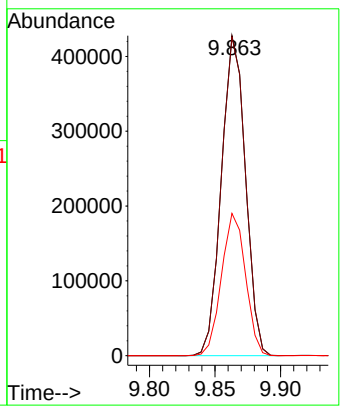




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:164 Resp: 54568

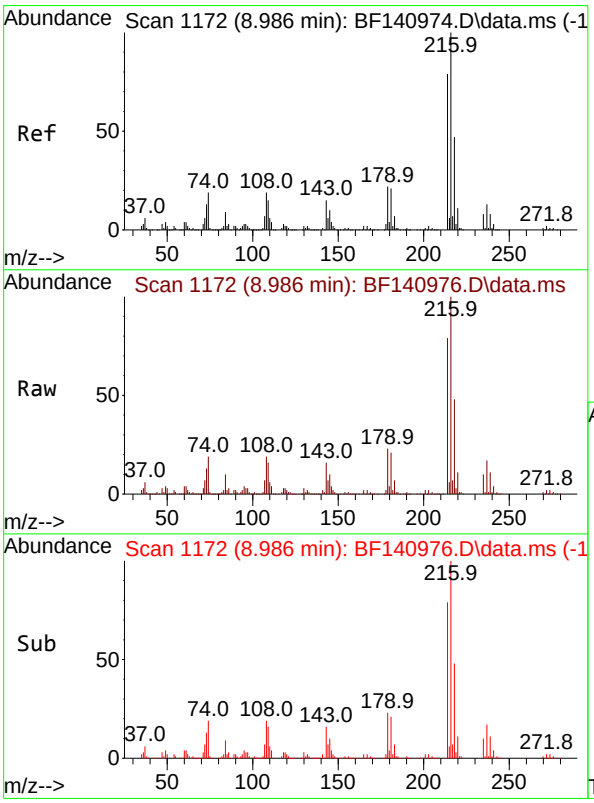
Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	44.5	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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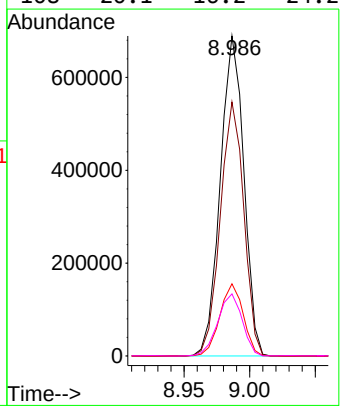
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

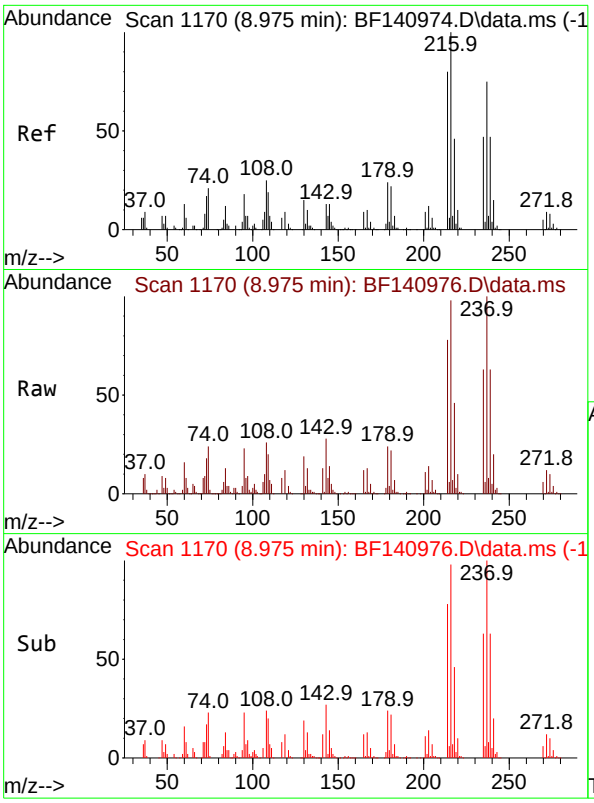


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.327 ng
RT: 8.986 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:216 Resp: 860616

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.6
179	22.4	17.9	26.9
108	20.1	16.2	24.2





#41
Hexachlorocyclopentadiene
Concen: 62.648 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

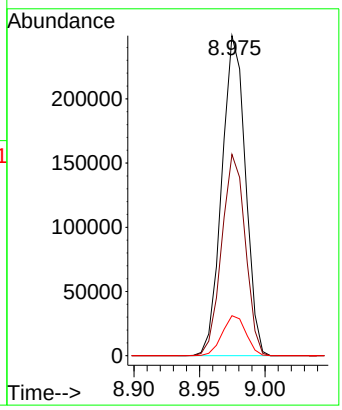
Tgt Ion:237 Resp: 31166

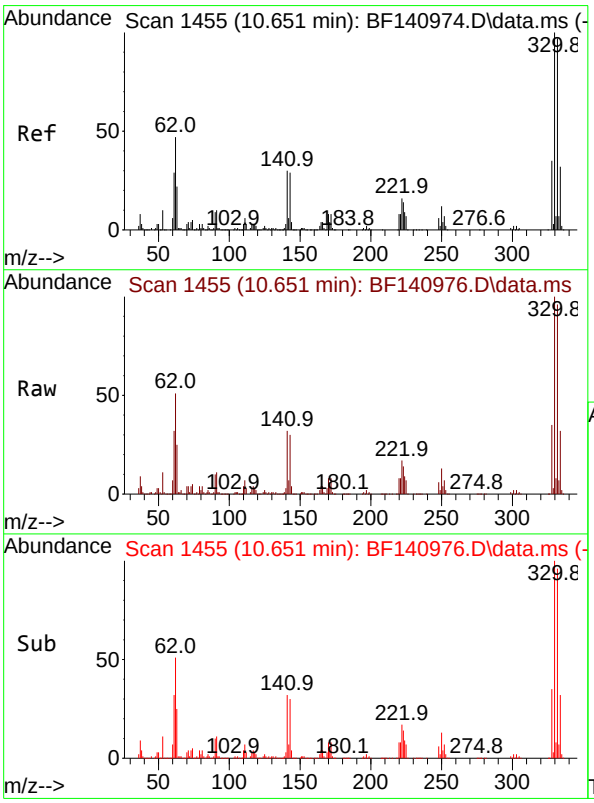
Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.4	83.4
272	12.5	0.0	32.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

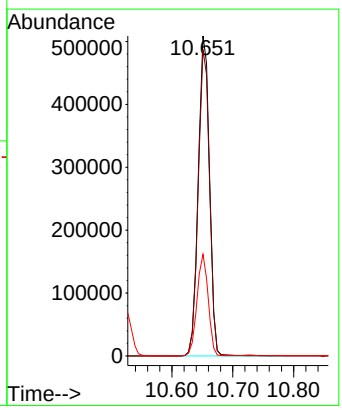


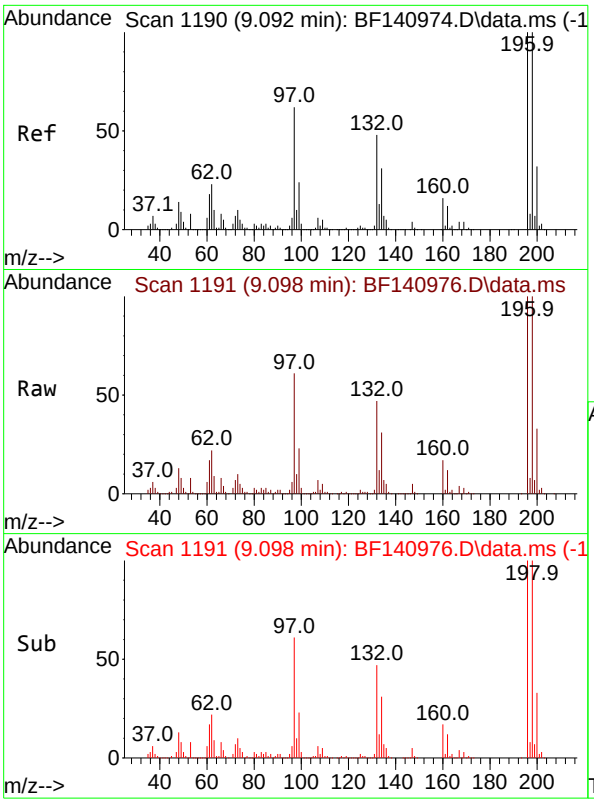


#42
2,4,6-Tribromophenol
Concen: 123.146 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:330 Resp: 652968

Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.0	117.0
141	31.5	26.4	39.6

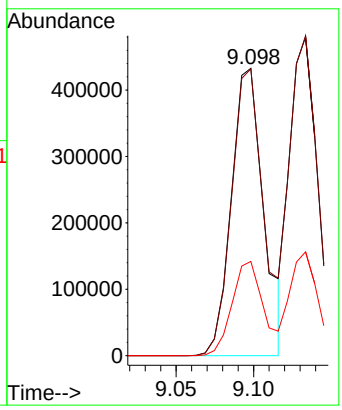




#43
2,4,6-Trichlorophenol
Concen: 62.389 ng
RT: 9.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:196 Resp: 62335

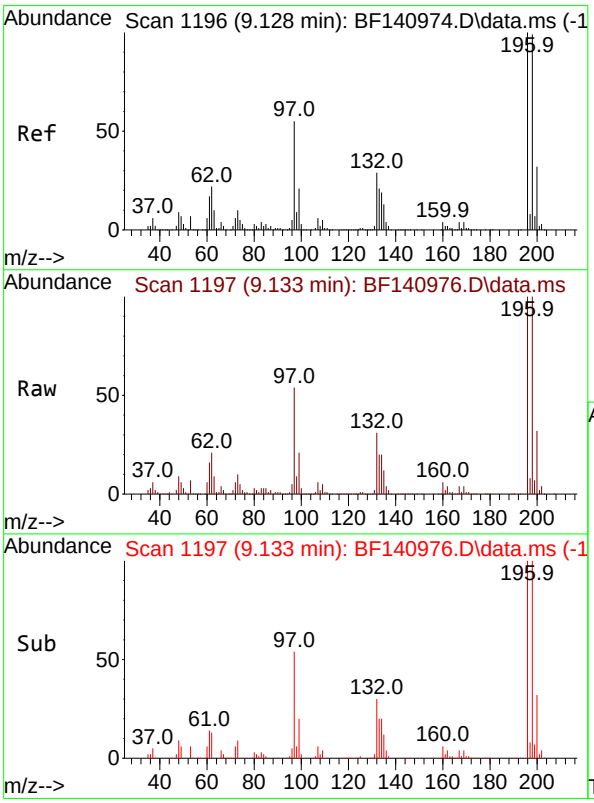
Ion	Ratio	Lower	Upper
196	100		
198	99.8	80.2	120.4
200	32.8	25.8	38.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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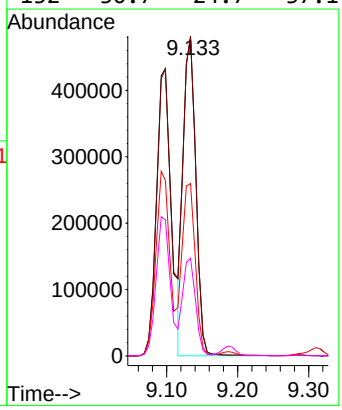
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

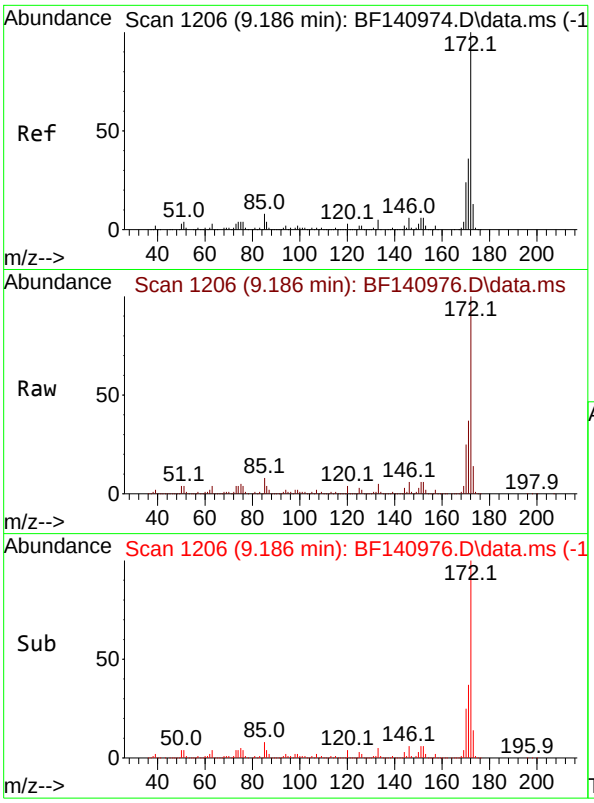


#44
2,4,5-Trichlorophenol
Concen: 58.429 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:196 Resp: 597336

Ion	Ratio	Lower	Upper
196	100		
198	100.4	79.9	119.9
97	54.1	44.3	66.5
132	30.7	24.7	37.1





#45
2-Fluorobiphenyl
Concen: 105.387 ng
RT: 9.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

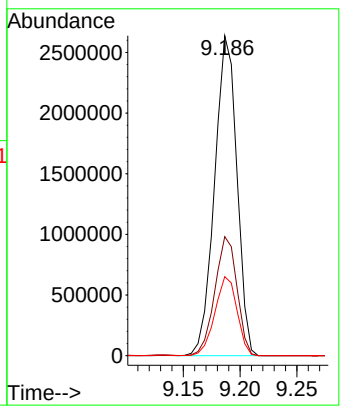
Tgt Ion:172 Resp: 360948

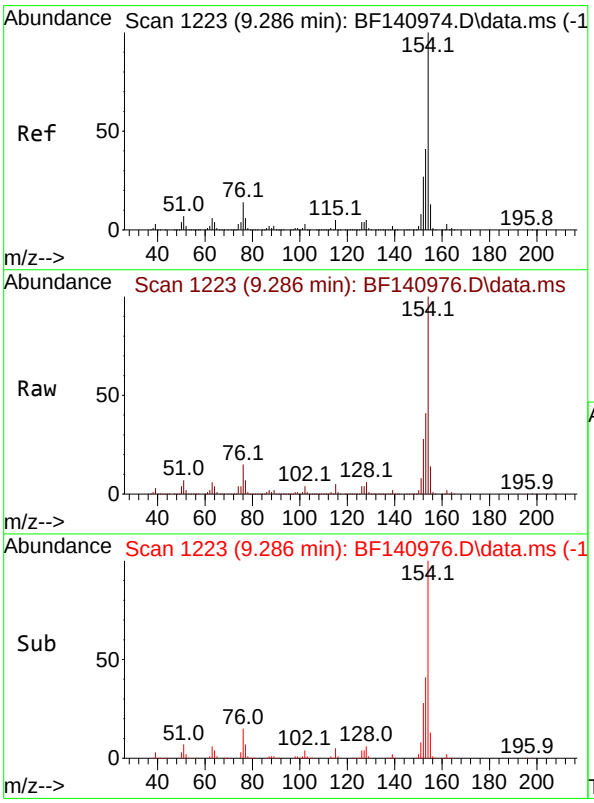
Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.0	43.4
170	24.7	19.6	29.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

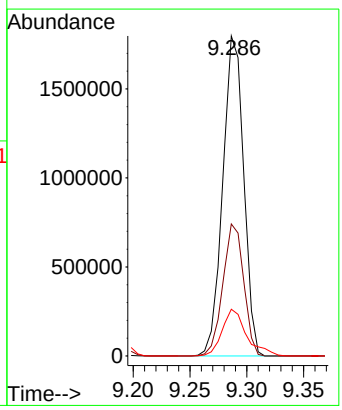


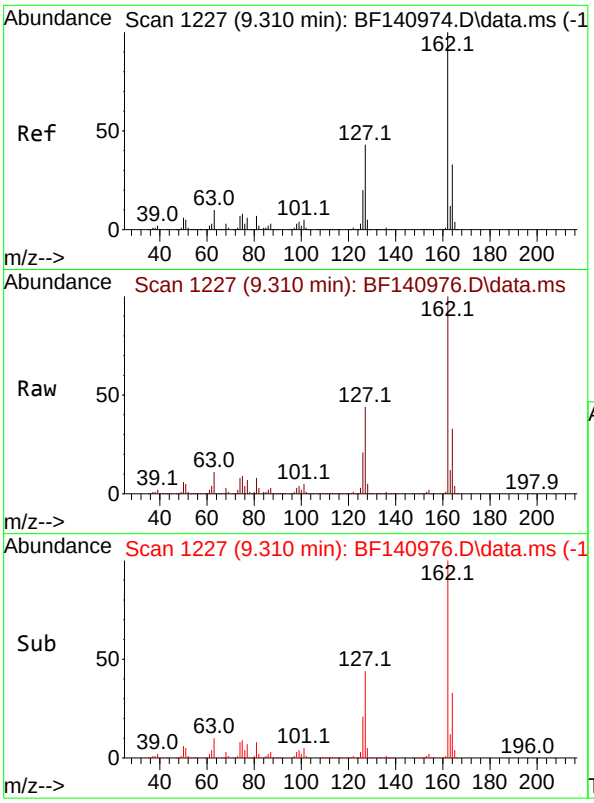


#46
1,1'-Biphenyl
Concen: 55.102 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:154 Resp: 2302280

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.9	60.9
76	14.6	0.0	34.0

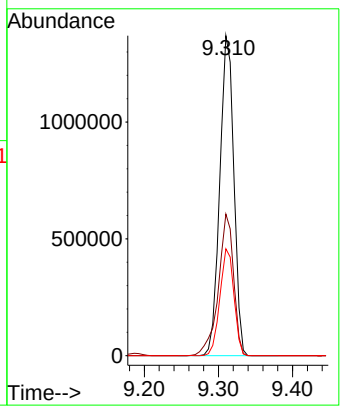




#47
2-Chloronaphthalene
Concen: 55.777 ng
RT: 9.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:162 Resp: 180745

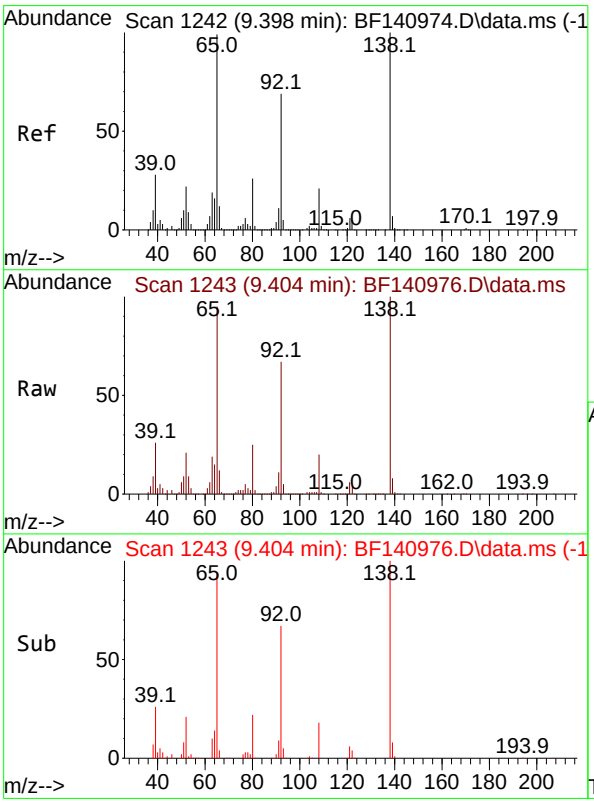
Ion	Ratio	Lower	Upper
162	100		
127	44.3	34.2	51.4
164	33.4	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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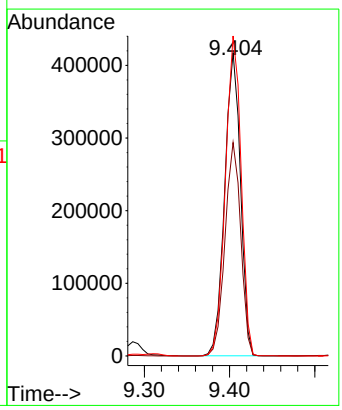
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

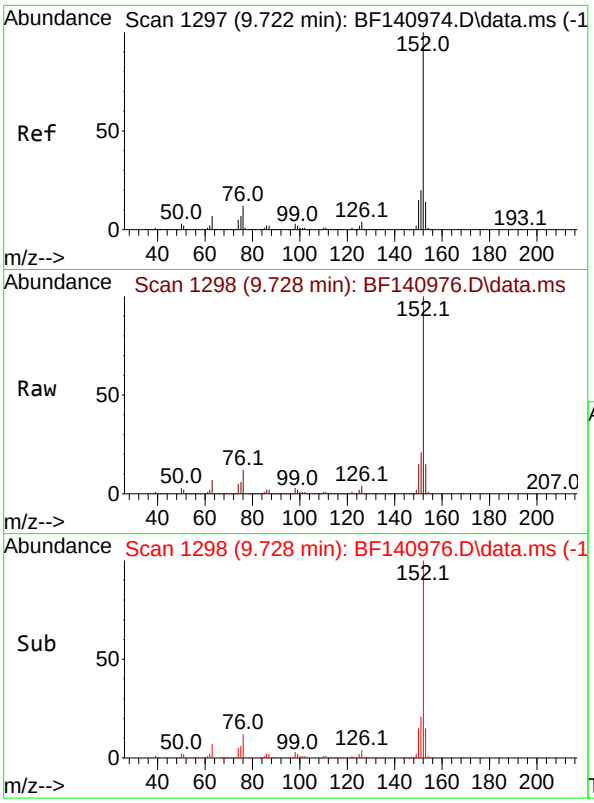


#48
2-Nitroaniline
Concen: 61.984 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 65 Resp: 538159

Ion	Ratio	Lower	Upper
65	100		
92	70.4	55.6	83.4
138	105.4	80.5	120.7

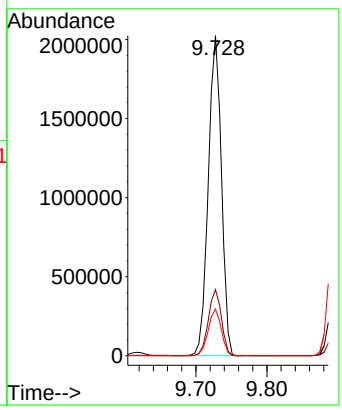




#49
Acenaphthylene
Concen: 55.811 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:152 Resp: 260351

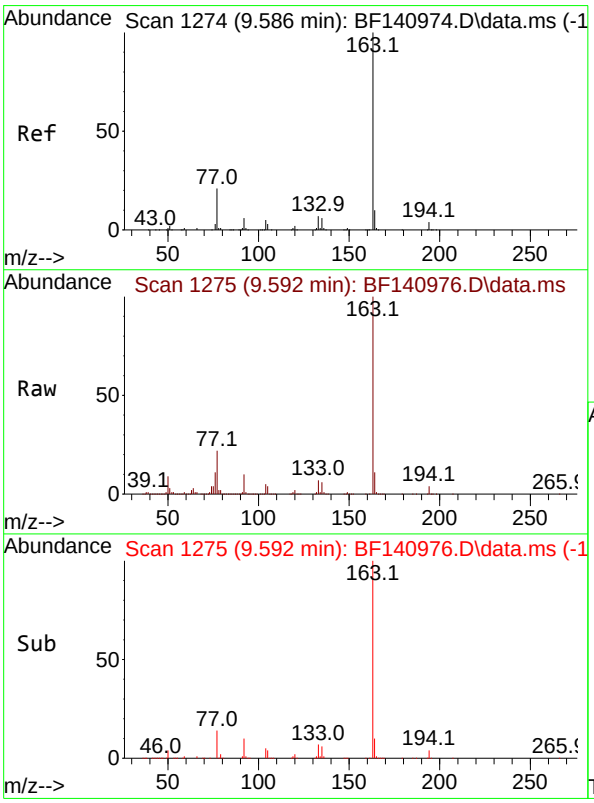
Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.2	24.4
153	14.6	11.4	17.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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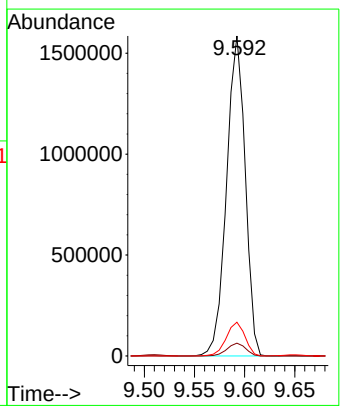
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

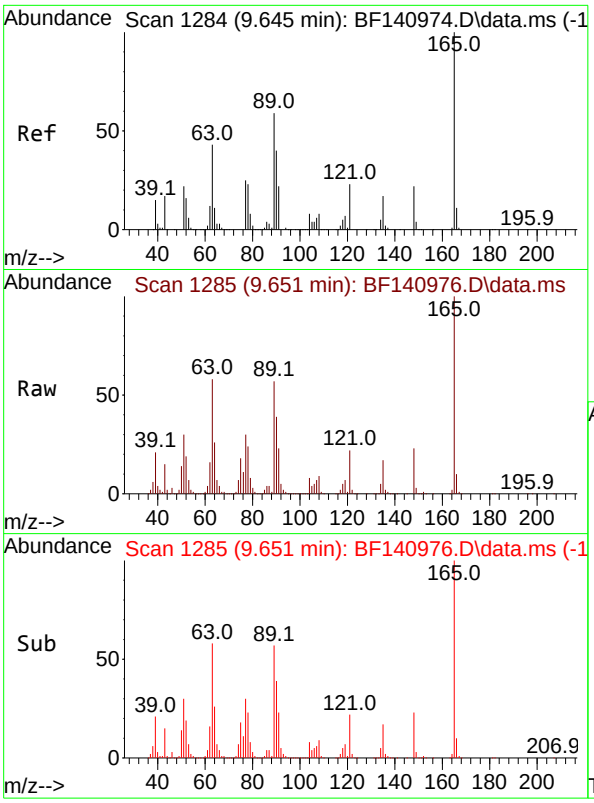


#50
Dimethylphthalate
Concen: 57.054 ng
RT: 9.592 min Scan# 1275
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:163 Resp: 2047854

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.5	8.3	12.5

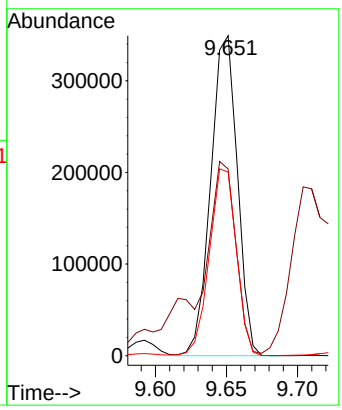




#51
2,6-Dinitrotoluene
Concen: 61.208 ng
RT: 9.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:165 Resp: 45599

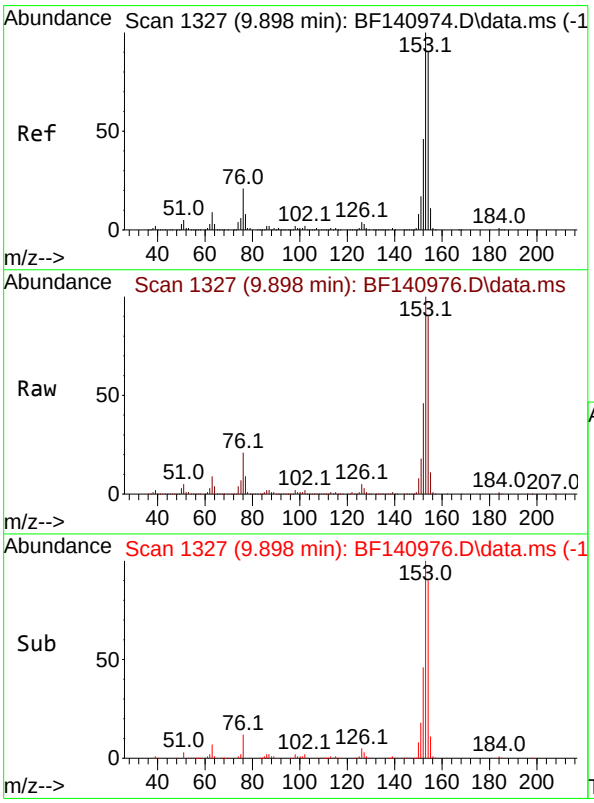
Ion	Ratio	Lower	Upper
165	100		
63	58.3	47.1	70.7
89	57.3	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

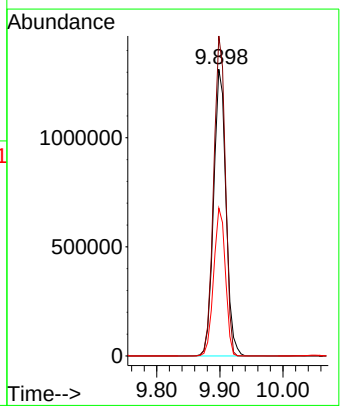
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

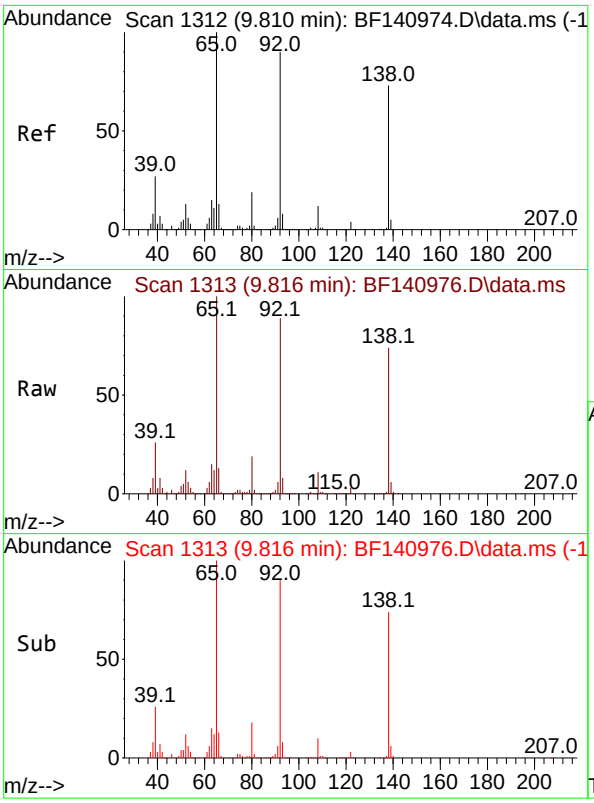


#52
Acenaphthene
Concen: 56.633 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:154 Resp: 1786036

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.2	133.8
152	51.5	40.9	61.3





#53
3-Nitroaniline
Concen: 61.600 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

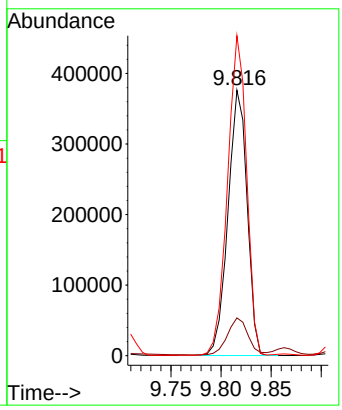
Tgt Ion:138 Resp: 49826

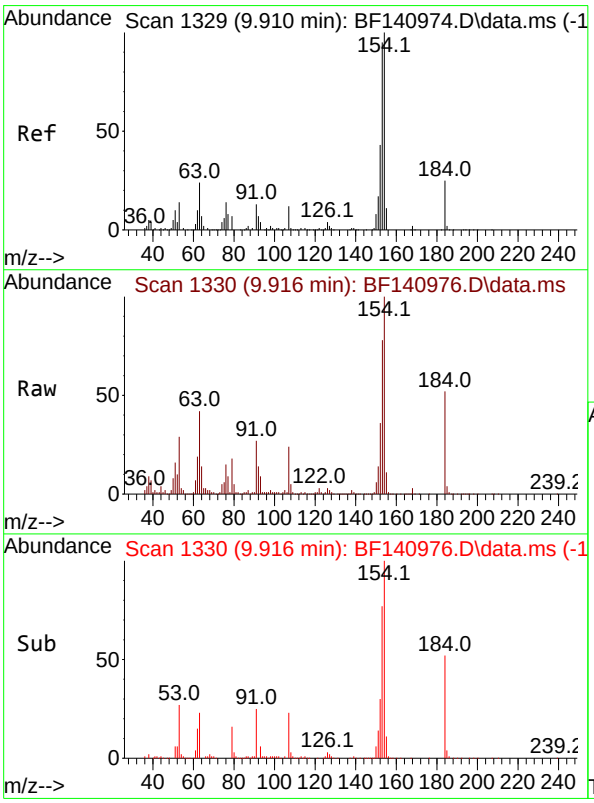
Ion	Ratio	Lower	Upper
138	100		
108	14.2	13.5	20.3
92	120.6	97.7	146.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

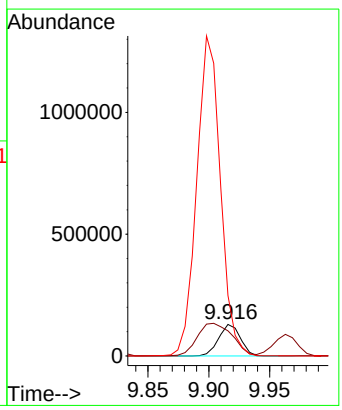


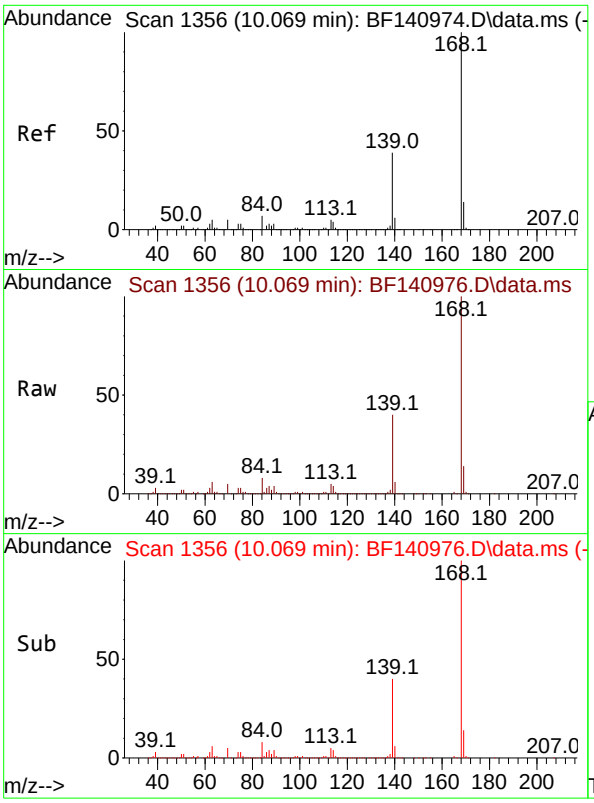


#54
2,4-Dinitrophenol
Concen: 62.314 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:184 Resp: 160979

Ion	Ratio	Lower	Upper
184	100		
63	79.8	81.6	122.4#
154	191.8	363.5	545.3#

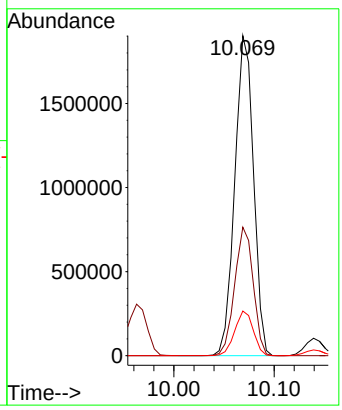




#55
Dibenzofuran
Concen: 55.896 ng
RT: 10.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:168 Resp: 247732

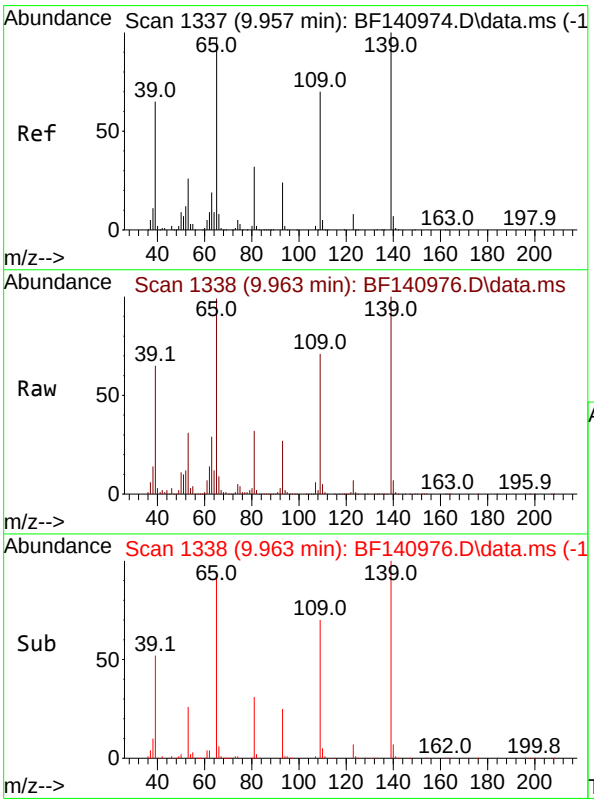
Ion	Ratio	Lower	Upper
168	100		
139	40.2	31.6	47.4
169	14.0	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

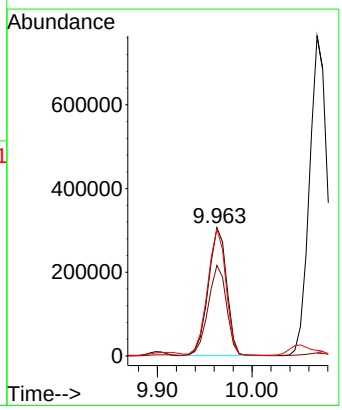
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

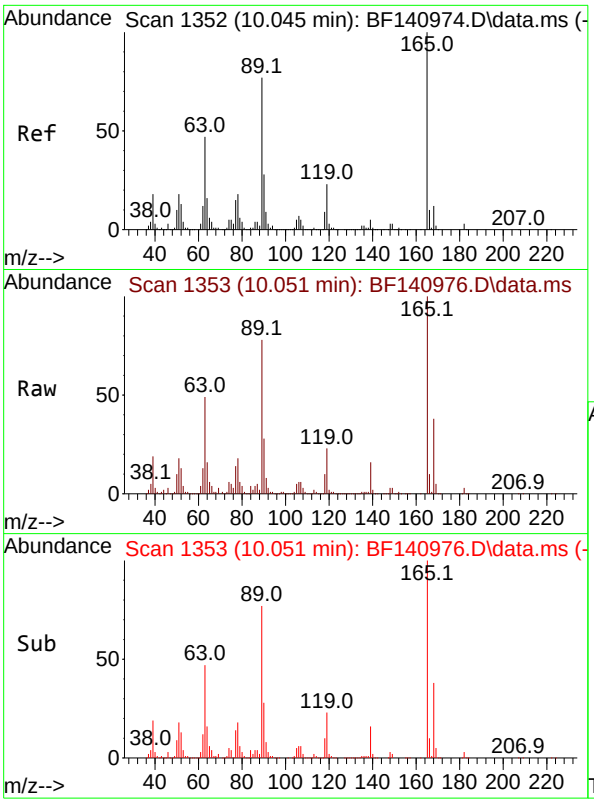


#56
4-Nitrophenol
Concen: 67.472 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:139 Resp: 414262

Ion	Ratio	Lower	Upper
139	100		
109	70.5	50.8	90.8
65	99.0	78.5	118.5

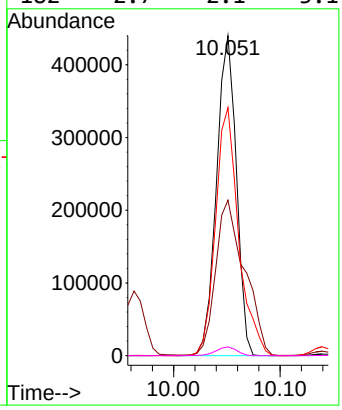




#57
2,4-Dinitrotoluene
Concen: 62.002 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:165 Resp: 56834

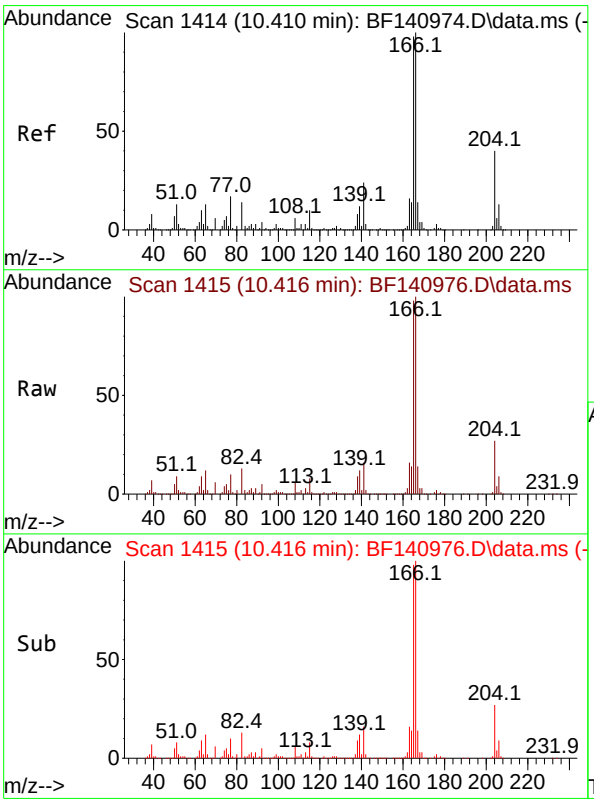
Ion	Ratio	Lower	Upper
165	100		
63	48.6	38.1	57.1
89	77.5	61.4	92.2
182	2.7	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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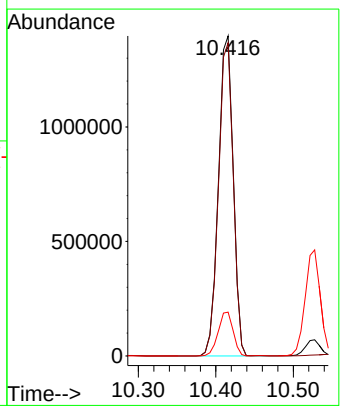
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

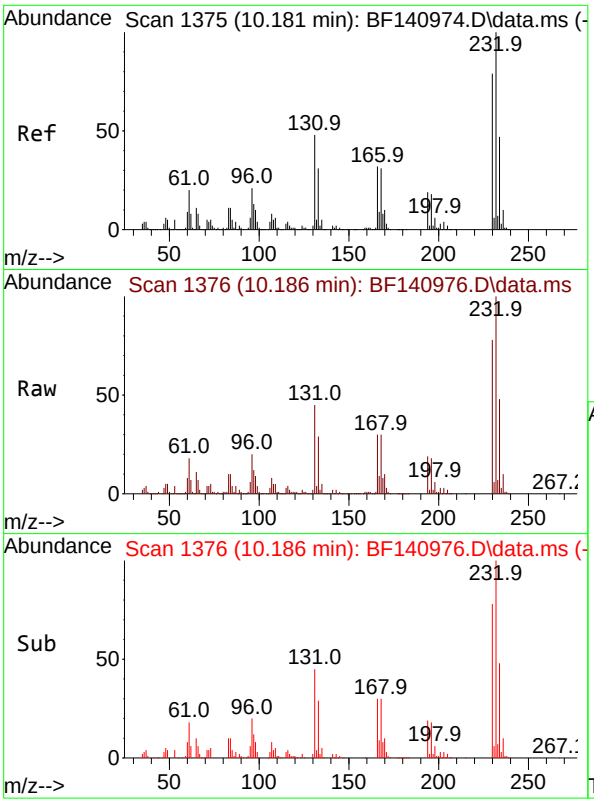


#58
Fluorene
Concen: 54.047 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:166 Resp: 1857483

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.3	117.5
167	13.7	10.9	16.3

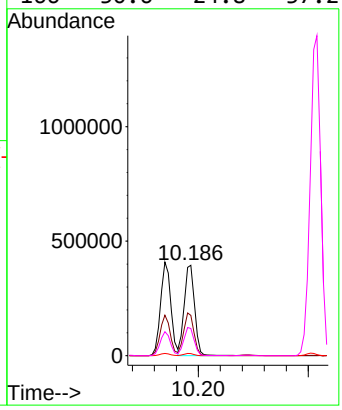




#59
2,3,4,6-Tetrachlorophenol
Concen: 61.184 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:232 Resp: 51803

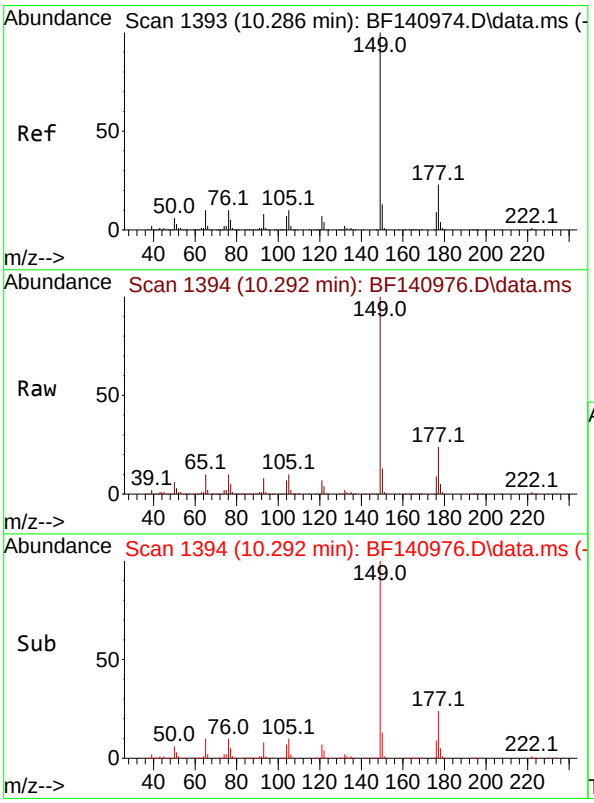
Ion	Ratio	Lower	Upper
232	100		
131	45.9	37.4	56.2
130	2.3	1.8	2.8
166	30.6	24.8	37.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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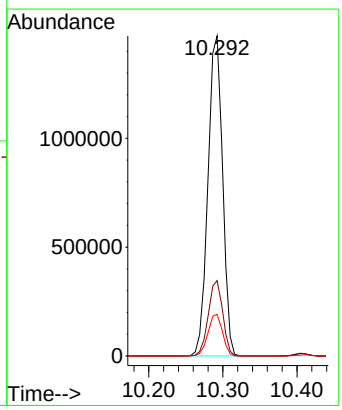
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

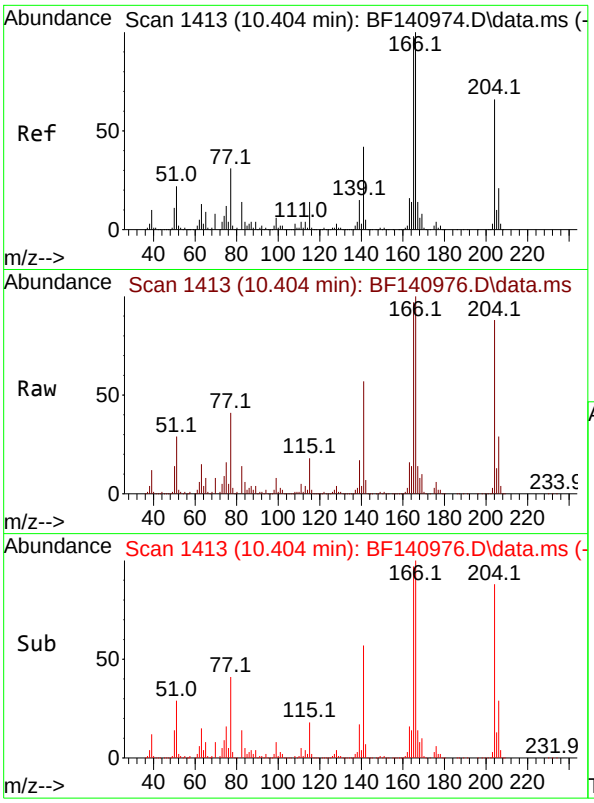


#60
Diethylphthalate
Concen: 56.895 ng
RT: 10.292 min Scan# 1394
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:149 Resp: 2016065

Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.3	27.5
150	13.0	10.4	15.6





#61
4-Chlorophenyl-phenylether
Concen: 55.139 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

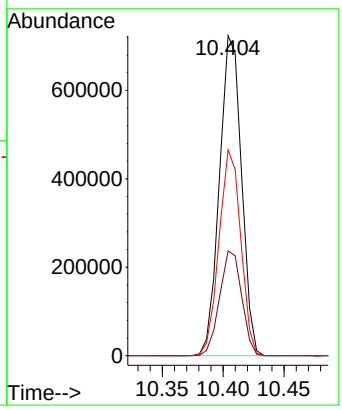
Tgt Ion:204 Resp: 91184

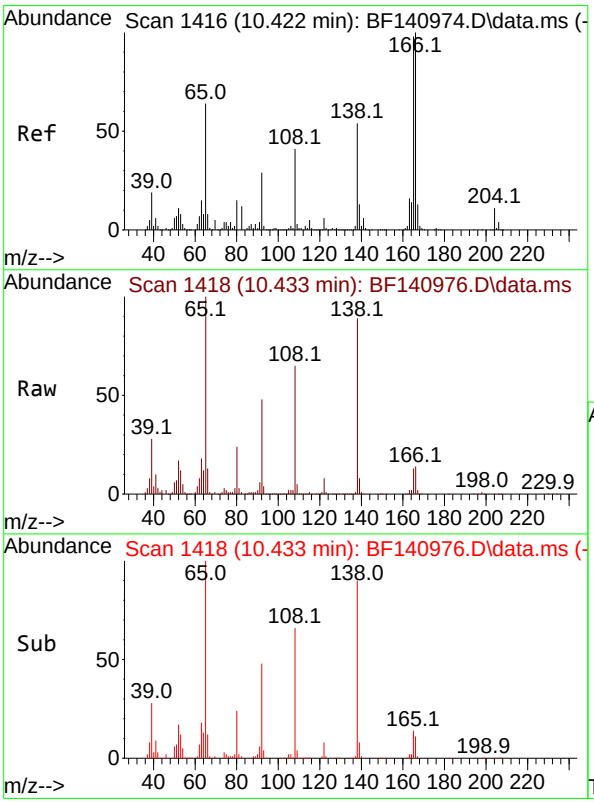
Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.6
141	64.3	51.2	76.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

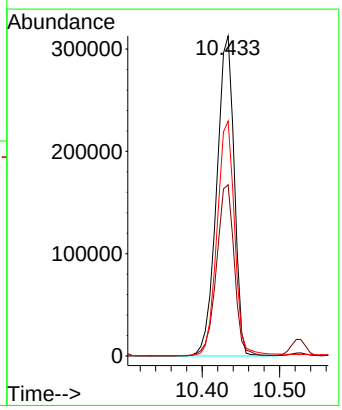


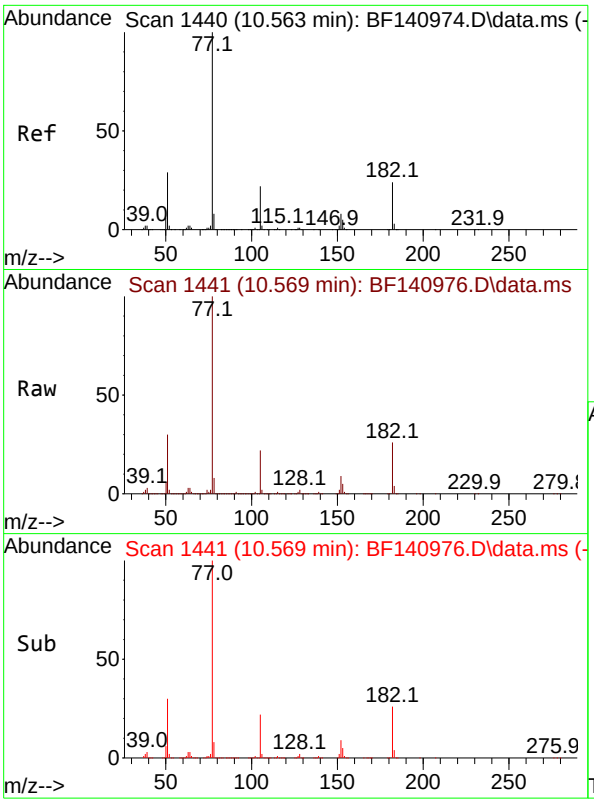


#62
4-Nitroaniline
Concen: 60.999 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.011 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:138 Resp: 492850

Ion	Ratio	Lower	Upper
138	100		
92	53.5	34.8	74.8
108	73.4	55.9	95.9

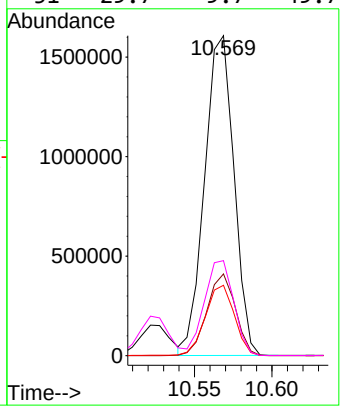




#63
Azobenzene
Concen: 56.916 ng
RT: 10.569 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 77 Resp: 211688

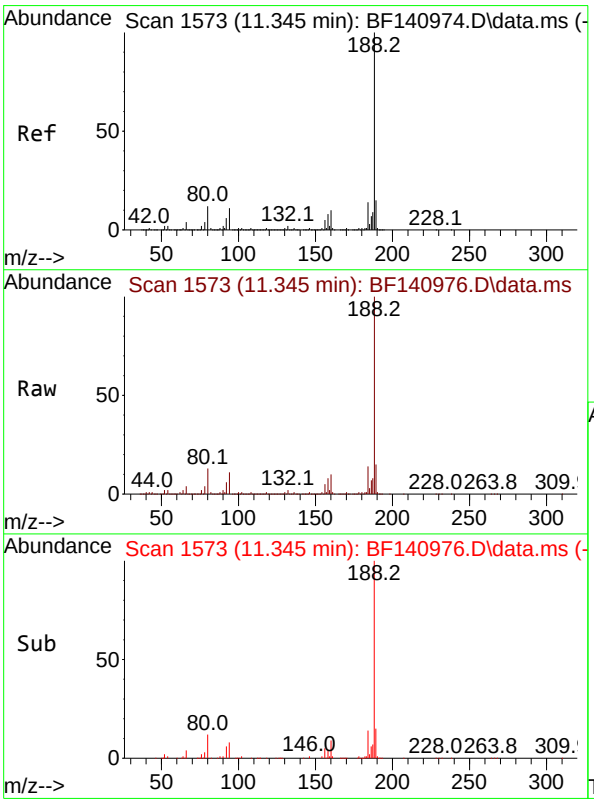
Ion	Ratio	Lower	Upper
77	100		
182	25.6	4.1	44.1
105	22.0	1.8	41.8
51	29.7	9.7	49.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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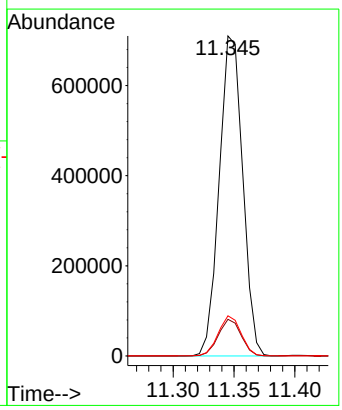
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

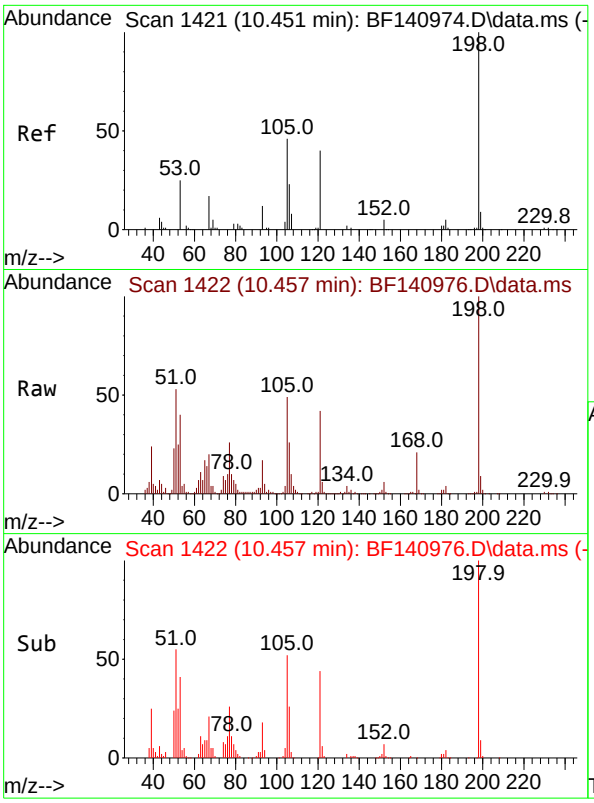


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:188 Resp: 952375

Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.0	13.6
80	12.5	9.8	14.6





#65
4,6-Dinitro-2-methylphenol
Concen: 61.133 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

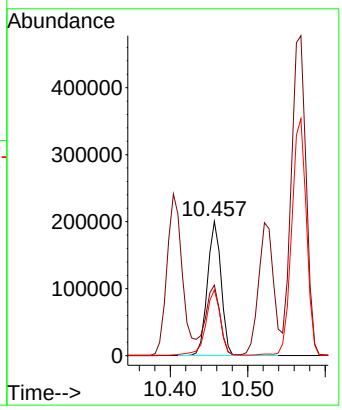
Tgt Ion:198 Resp: 24418

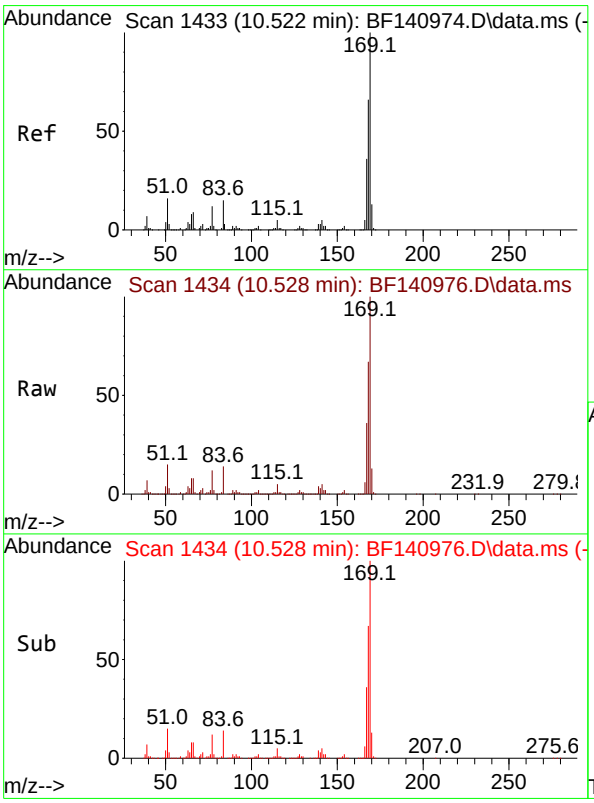
Ion	Ratio	Lower	Upper
198	100		
51	52.6	32.3	72.3
105	49.0	28.4	68.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

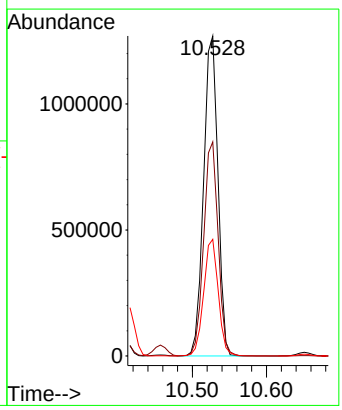


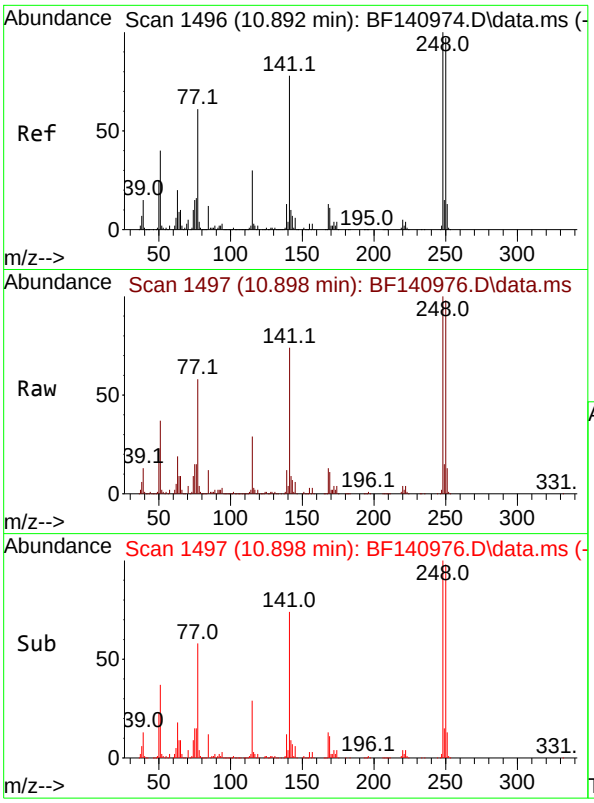


#66
n-Nitrosodiphenylamine
Concen: 56.660 ng
RT: 10.528 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:169 Resp: 1699227

Ion	Ratio	Lower	Upper
169	100		
168	66.9	52.6	79.0
167	36.5	29.0	43.4





#67
4-Bromophenyl-phenylether
Concen: 55.225 ng
RT: 10.898 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

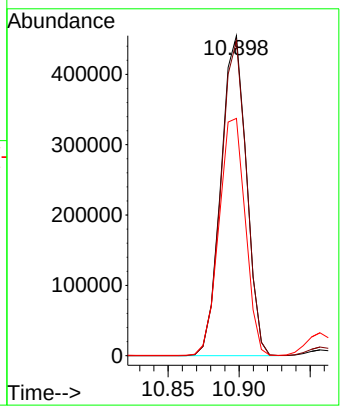
Tgt Ion:248 Resp: 56855

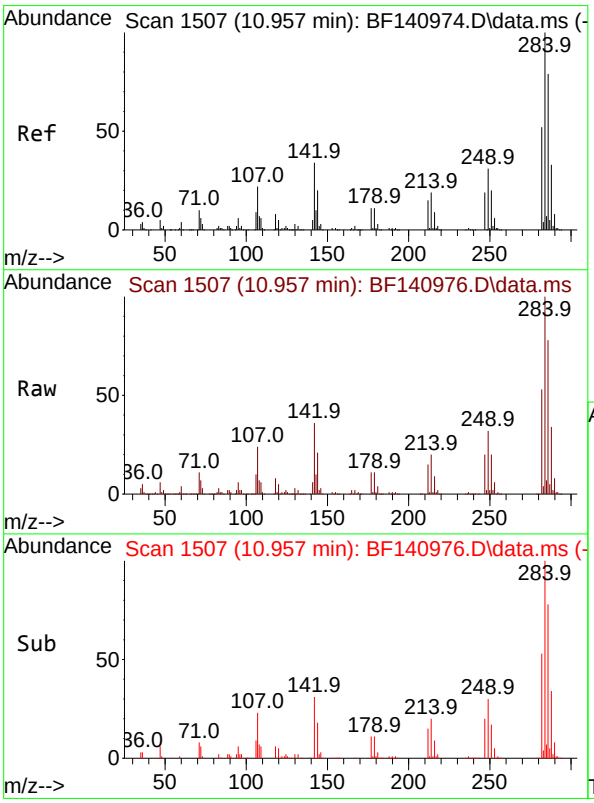
Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.7	116.5
141	74.2	62.1	93.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

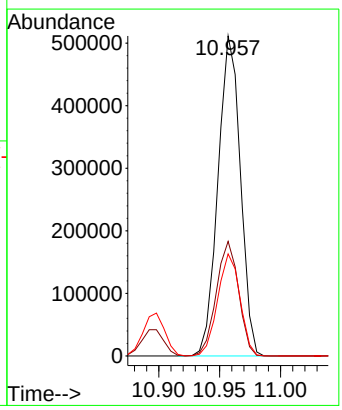


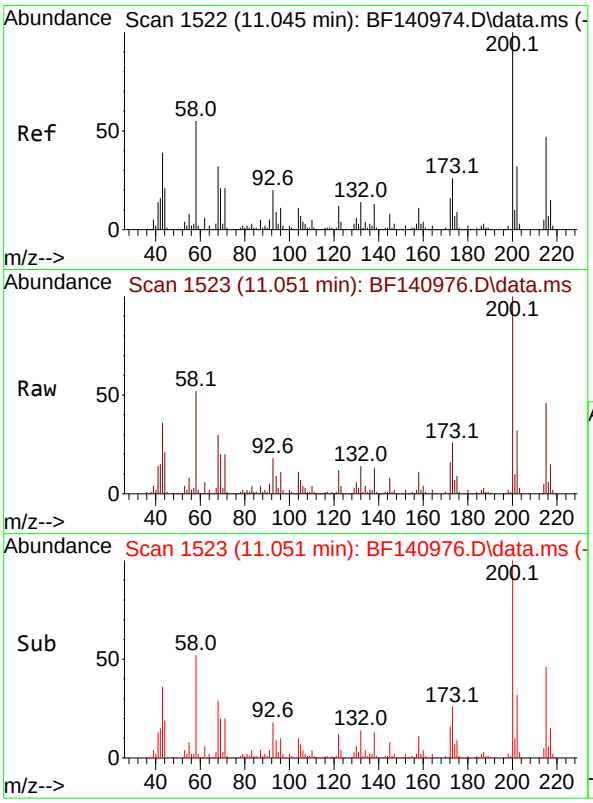


#68
Hexachlorobenzene
Concen: 57.748 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:284 Resp: 655571

Ion	Ratio	Lower	Upper
284	100		
142	35.8	27.1	40.7
249	31.9	25.1	37.7

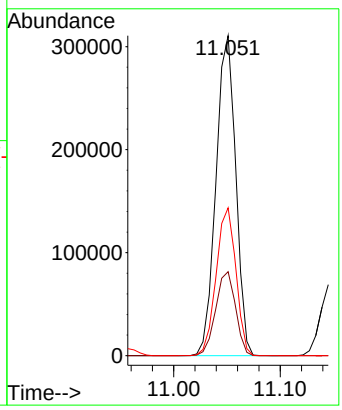




#69
Atrazine
Concen: 47.727 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:200 Resp: 39987

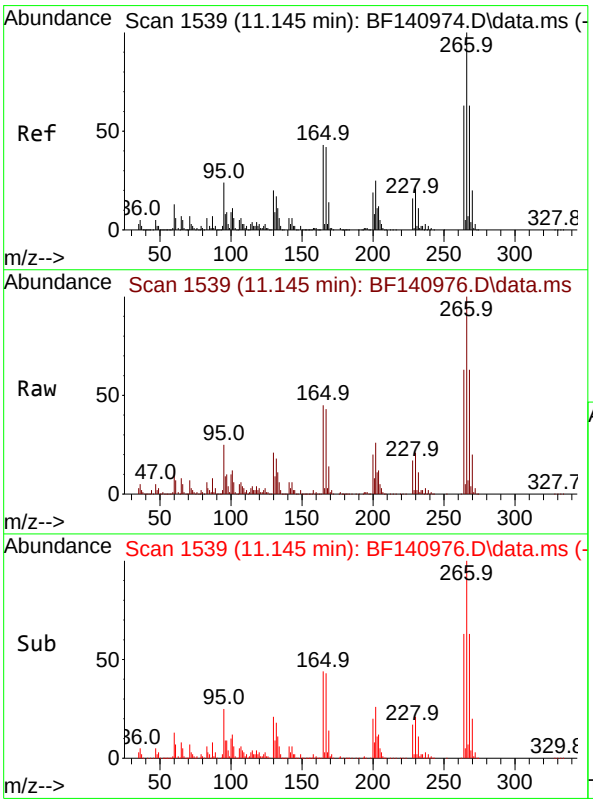
Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.4	46.4
215	46.2	27.2	67.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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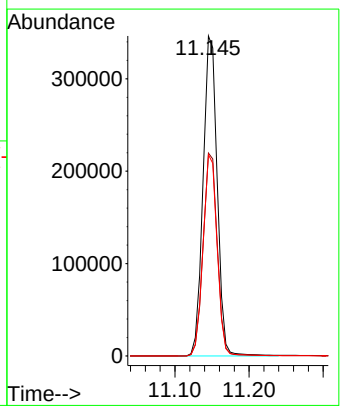
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

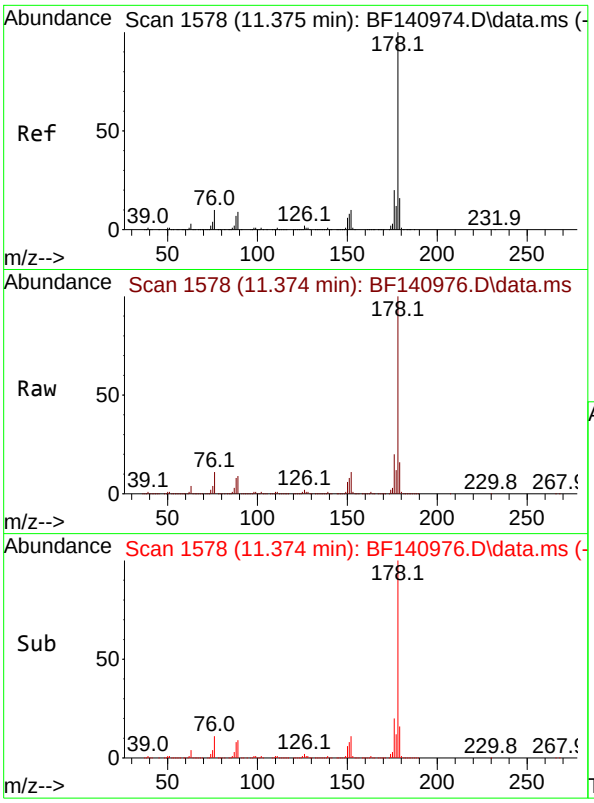


#70
Pentachlorophenol
Concen: 65.024 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:266 Resp: 459586

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.5	75.7
264	62.9	50.2	75.4

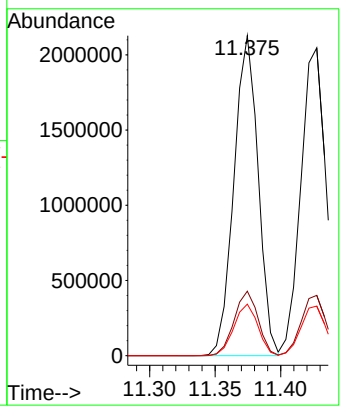




#71
Phenanthrene
Concen: 54.589 ng
RT: 11.374 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:178 Resp: 273624

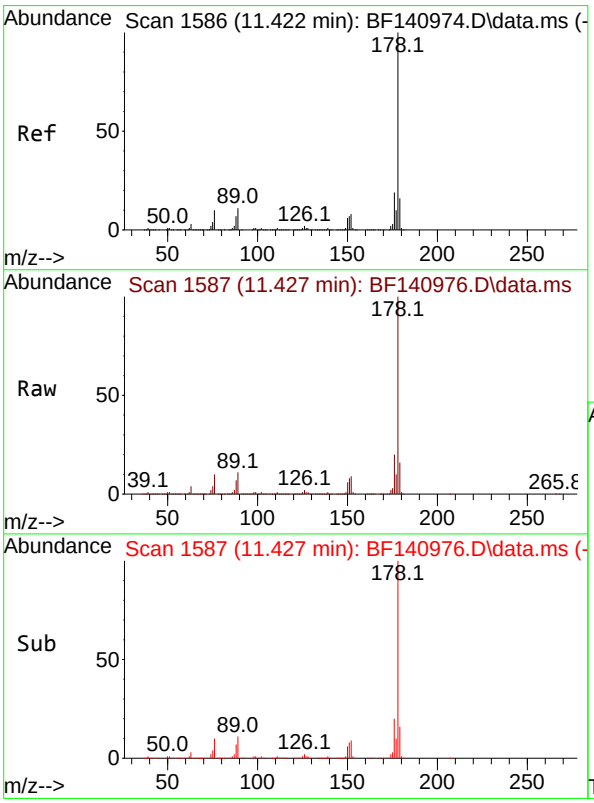
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.6
179	16.1	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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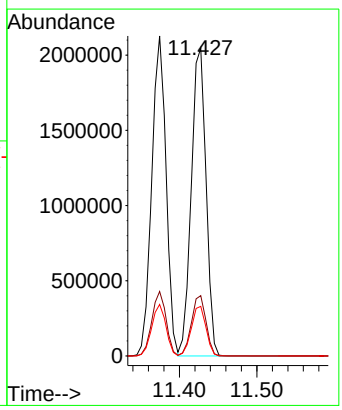
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

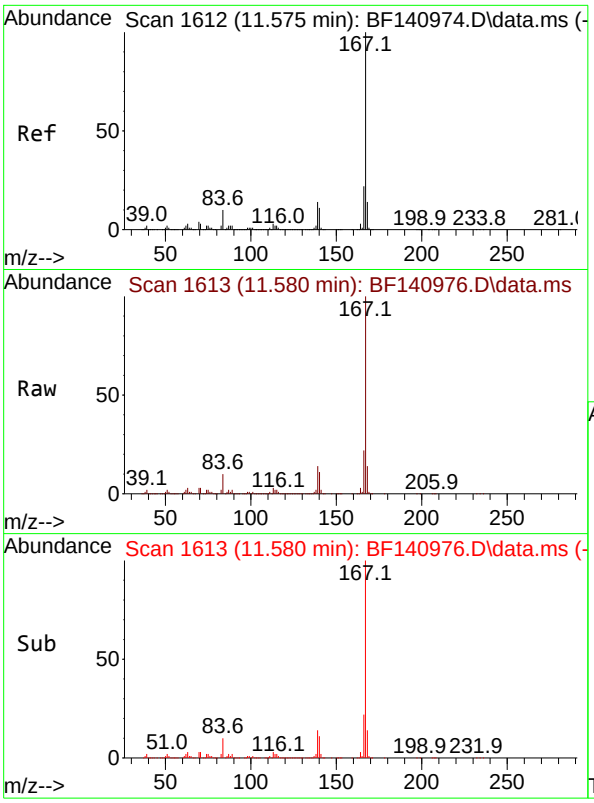


#72
Anthracene
Concen: 54.978 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:178 Resp: 2700285

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	16.1	12.9	19.3





#73
Carbazole
Concen: 54.876 ng
RT: 11.580 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

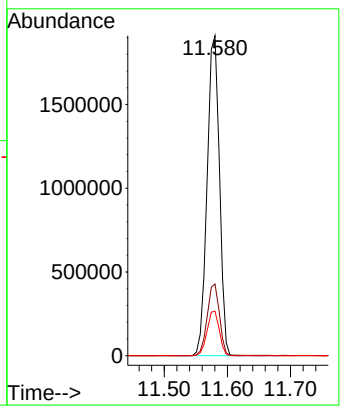
Tgt Ion:167 Resp: 259102(

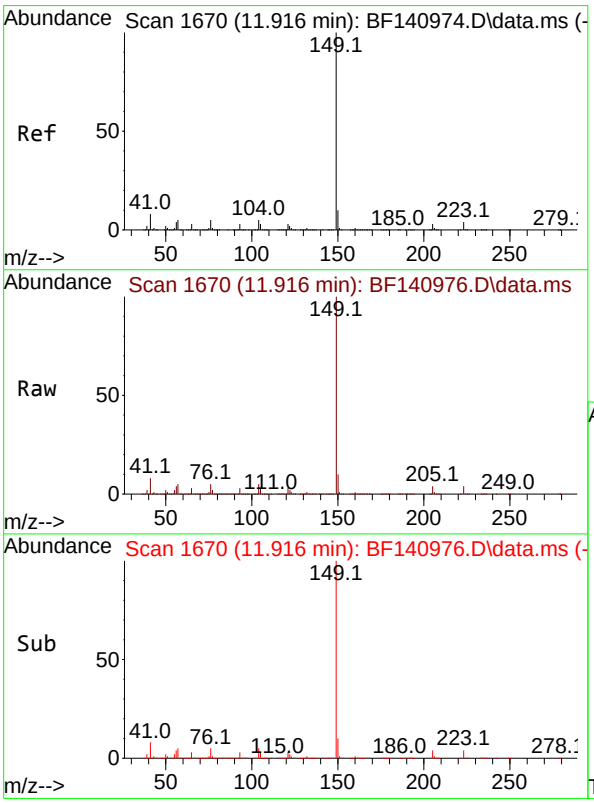
Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.5	26.3
139	13.9	11.0	16.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

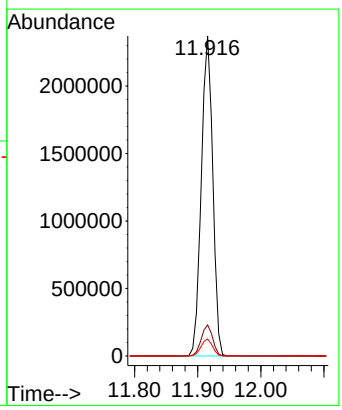


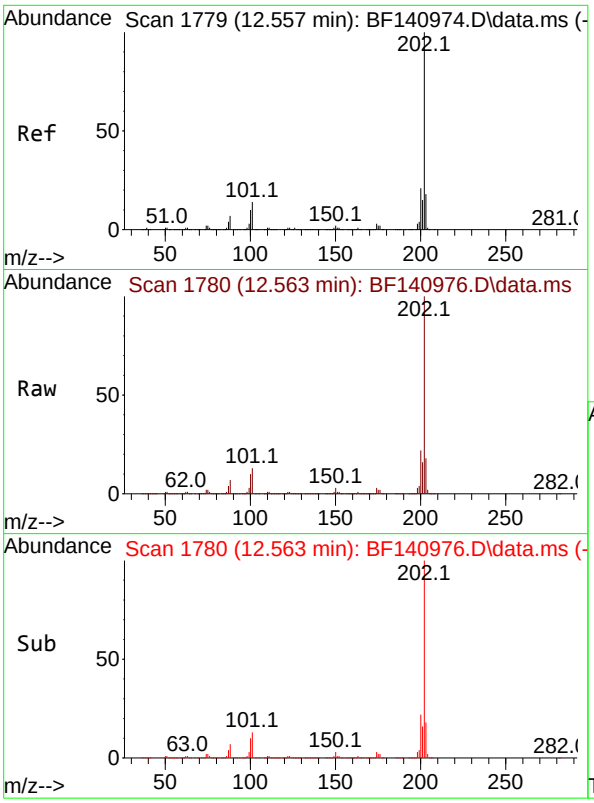


#74
Di-n-butylphthalate
Concen: 55.537 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:149 Resp: 2982533

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.3	4.1	6.1

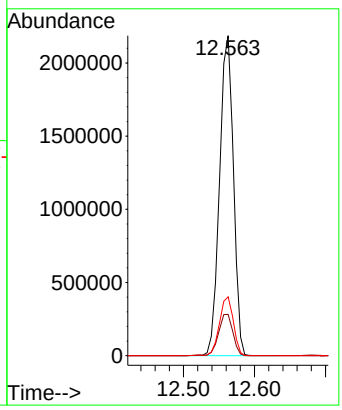




#75
Fluoranthene
Concen: 54.394 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:202 Resp: 295704

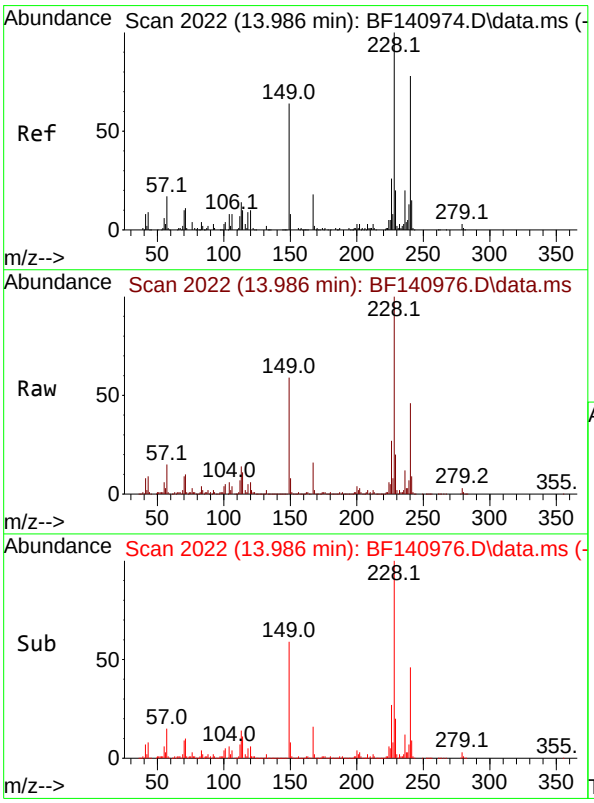
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.7
203	18.4	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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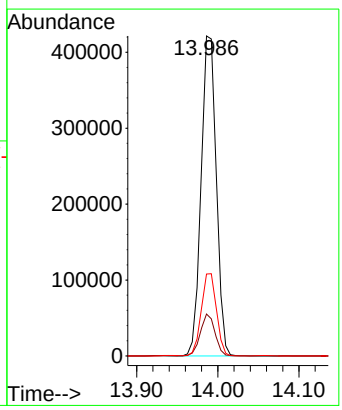
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

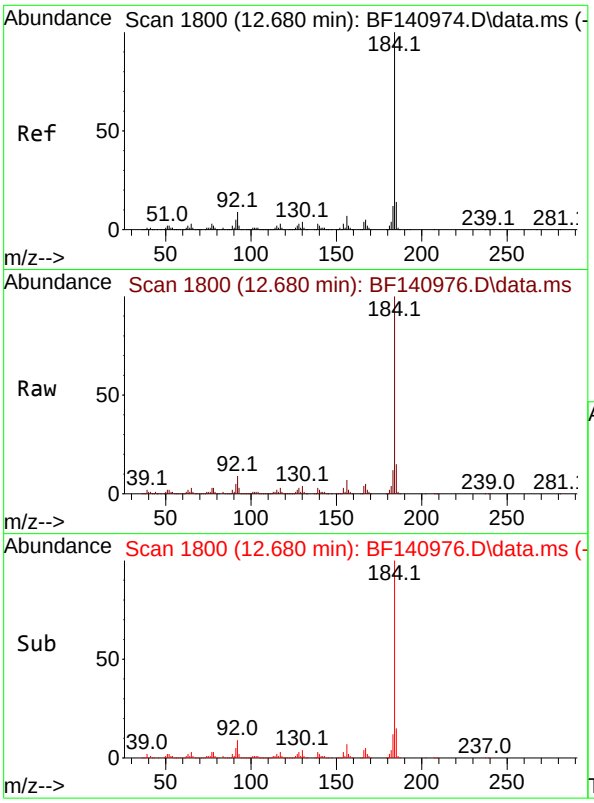


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:240 Resp: 546797

Ion	Ratio	Lower	Upper
240	100		
120	13.1	10.7	16.1
236	25.6	20.6	31.0

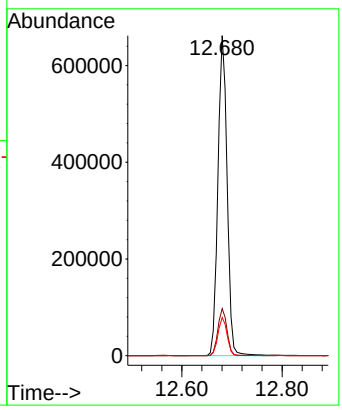




#77
Benzidine
Concen: 72.741 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:184 Resp: 84059

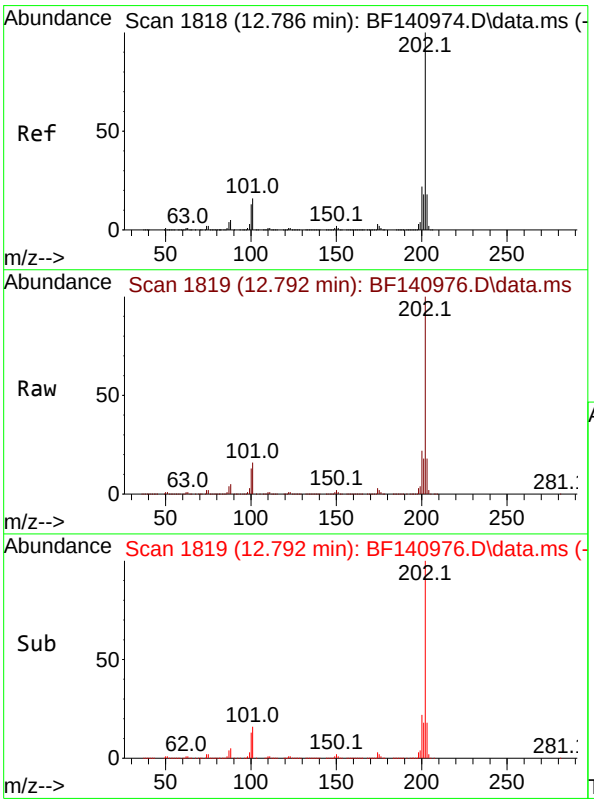
Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.4	17.2
183	11.9	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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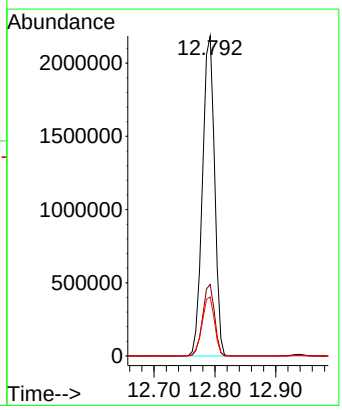
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

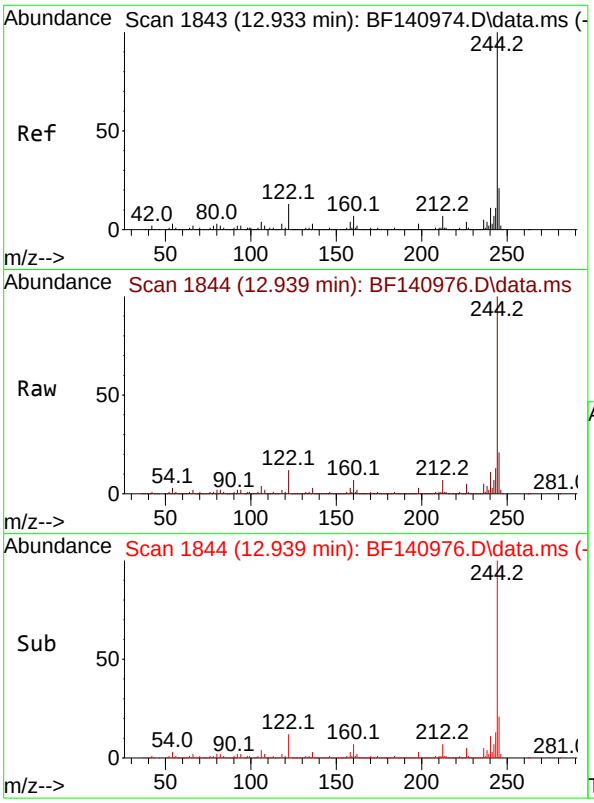


#78
Pyrene
Concen: 63.146 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:202 Resp: 3019750

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.3	25.9
203	18.5	14.6	21.8

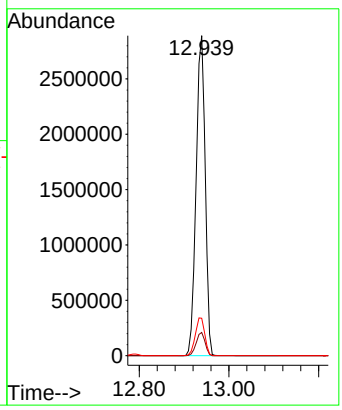




#79
Terphenyl-d14
Concen: 123.586 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:244 Resp: 406842

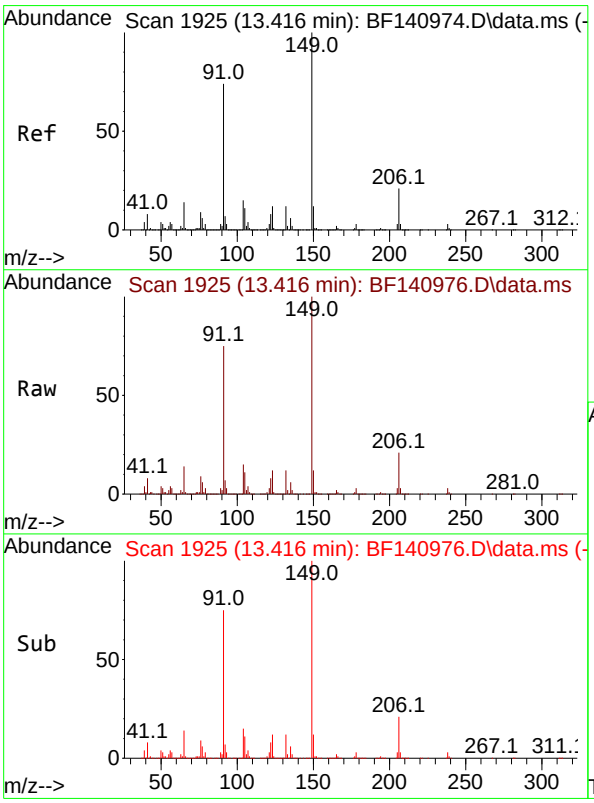
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	11.7	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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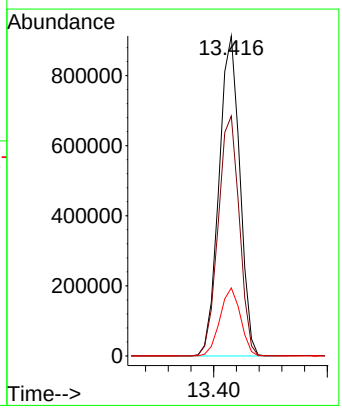
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

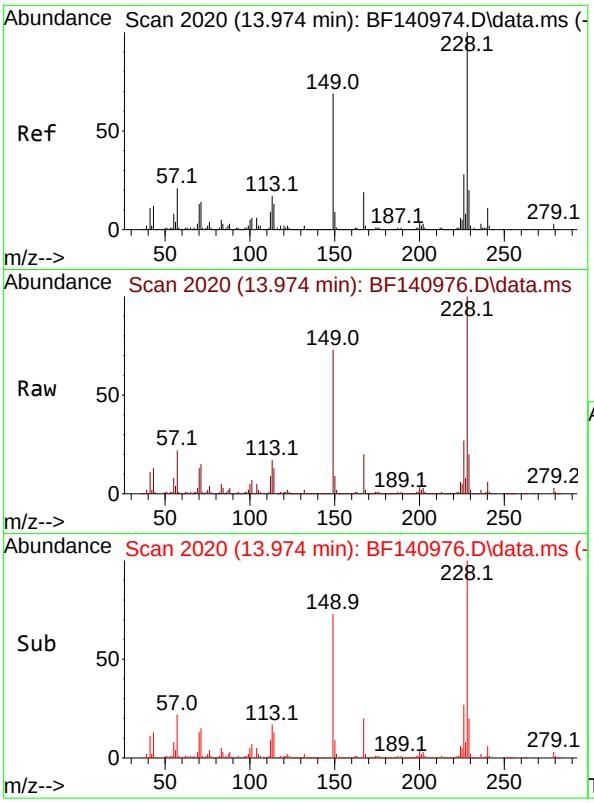


#80
Butylbenzylphthalate
Concen: 66.663 ng
RT: 13.416 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:149 Resp: 1164076

Ion	Ratio	Lower	Upper
149	100		
91	75.0	59.5	89.3
206	21.3	17.1	25.7

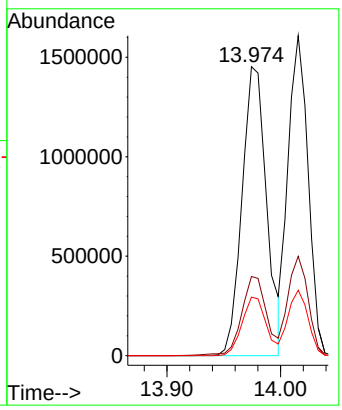




#81
Benzo(a)anthracene
Concen: 57.454 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:228 Resp: 218949

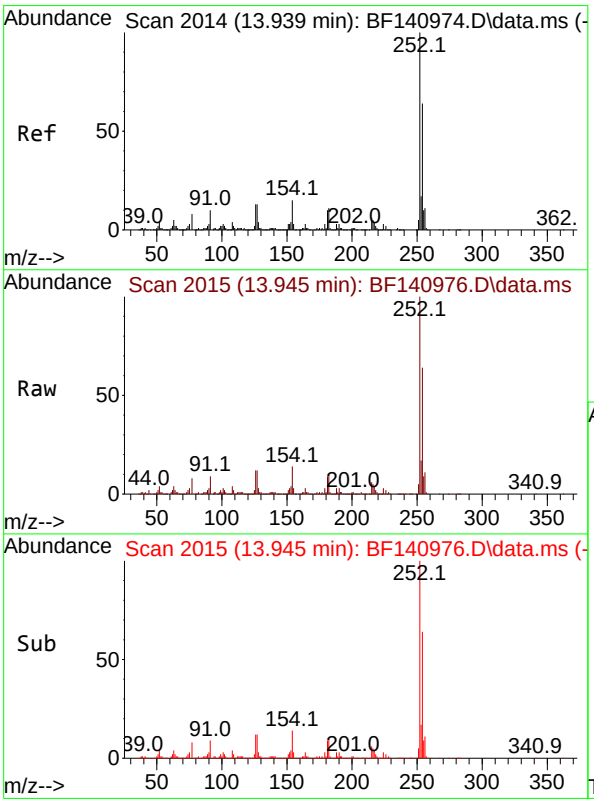
Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	20.3	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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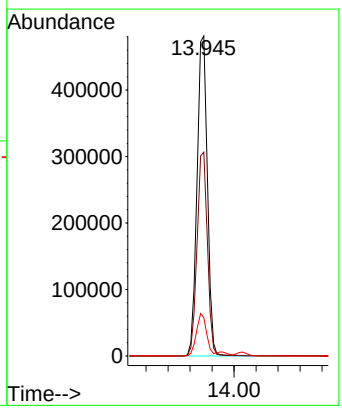
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

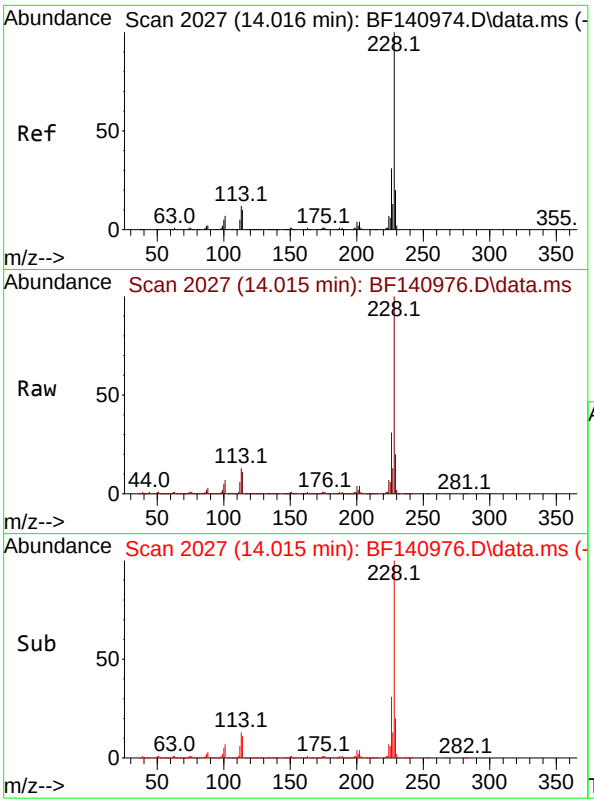


#82
3,3'-Dichlorobenzidine
Concen: 55.291 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:252 Resp: 633054

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.5	77.3
126	12.0	10.3	15.5

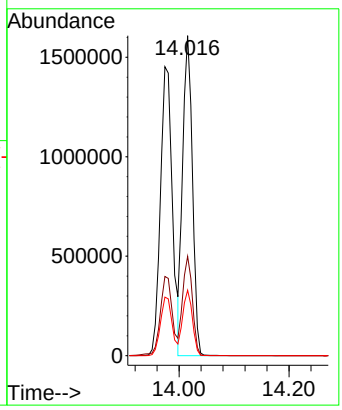




#83
Chrysene
Concen: 57.618 ng
RT: 14.015 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:228 Resp: 197937(

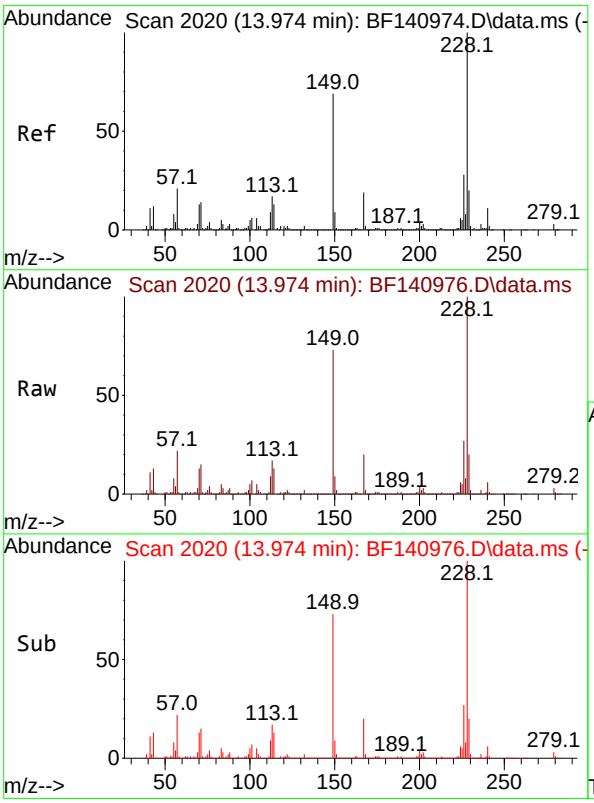
Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.5	36.7
229	20.5	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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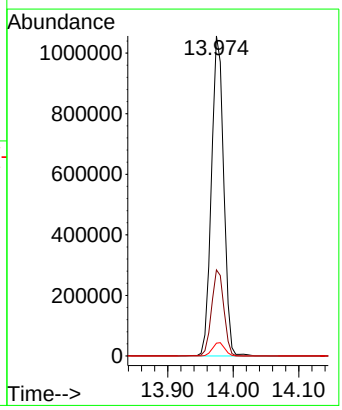
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

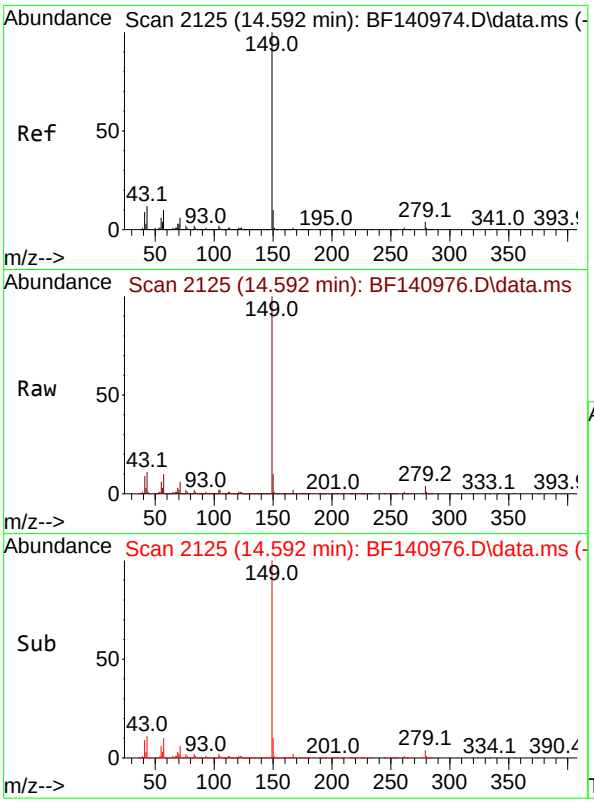


#84
Bis(2-ethylhexyl)phthalate
Concen: 60.602 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:149 Resp: 1372706

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.6	32.4
279	4.0	3.2	4.8





#85
Di-n-octyl phthalate
Concen: 59.679 ng
RT: 14.592 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

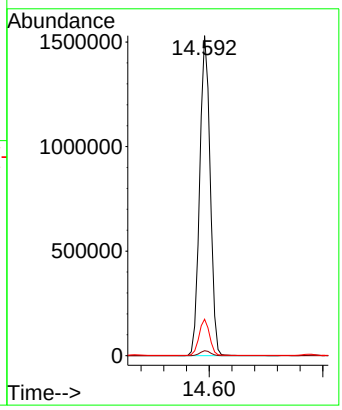
Tgt Ion:149 Resp: 195649

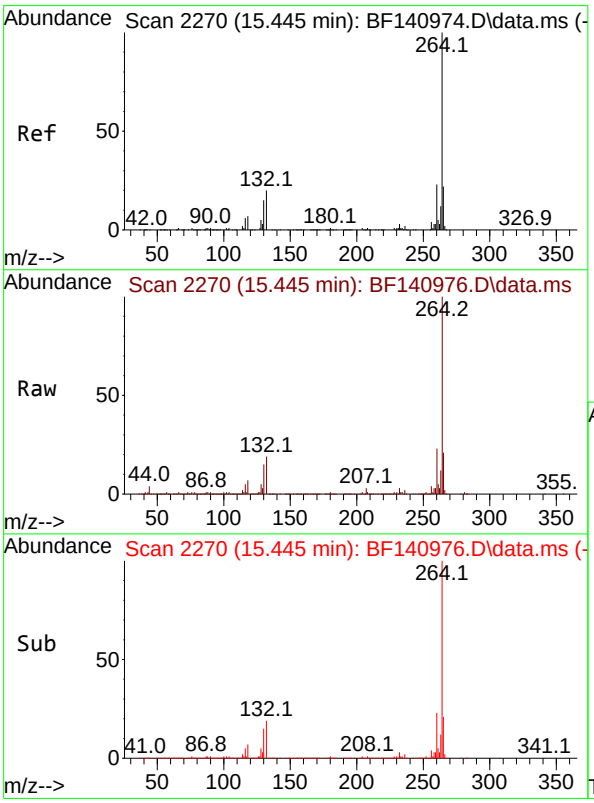
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.3	9.3	13.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

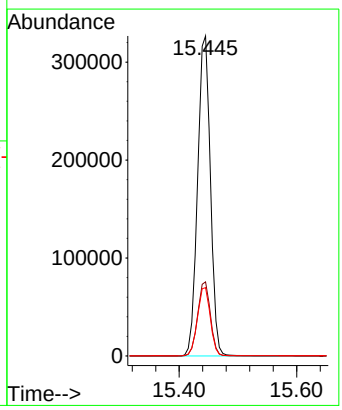


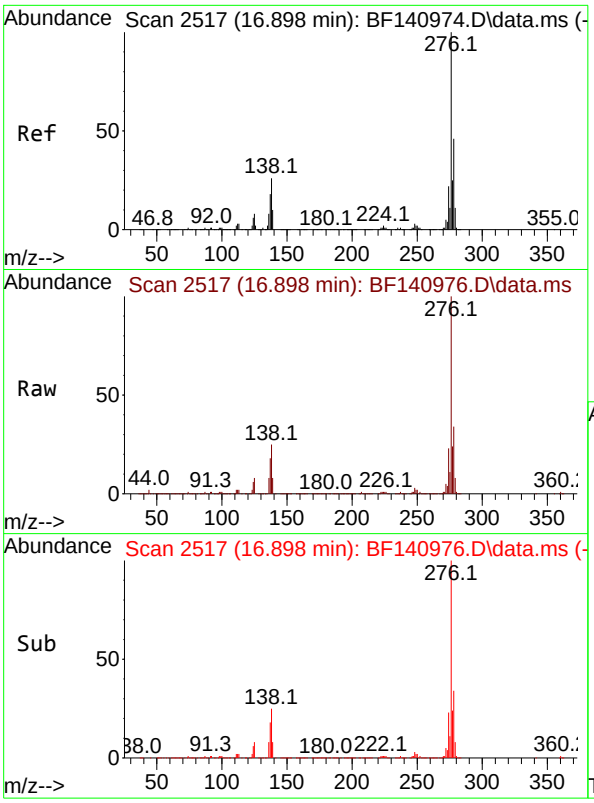


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:264 Resp: 494154

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.3	17.4	26.2

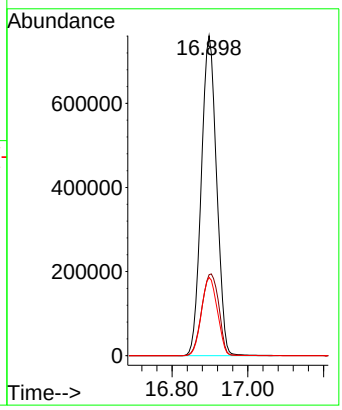




#87
Indeno(1,2,3-cd)pyrene
Concen: 68.495 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:276 Resp: 213243

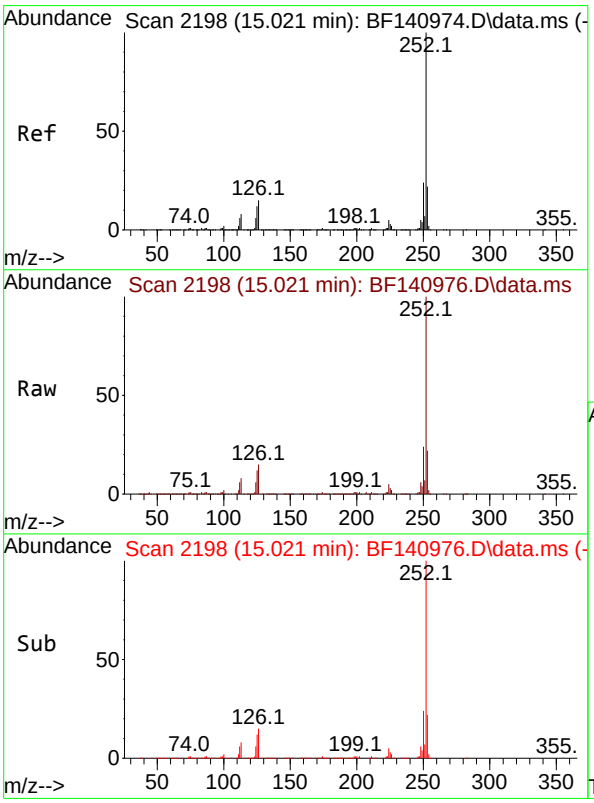
Ion	Ratio	Lower	Upper
276	100		
138	28.5	23.1	34.7
277	25.5	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

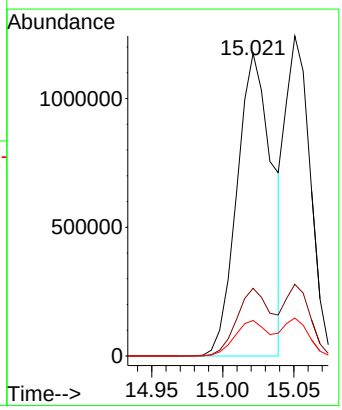
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

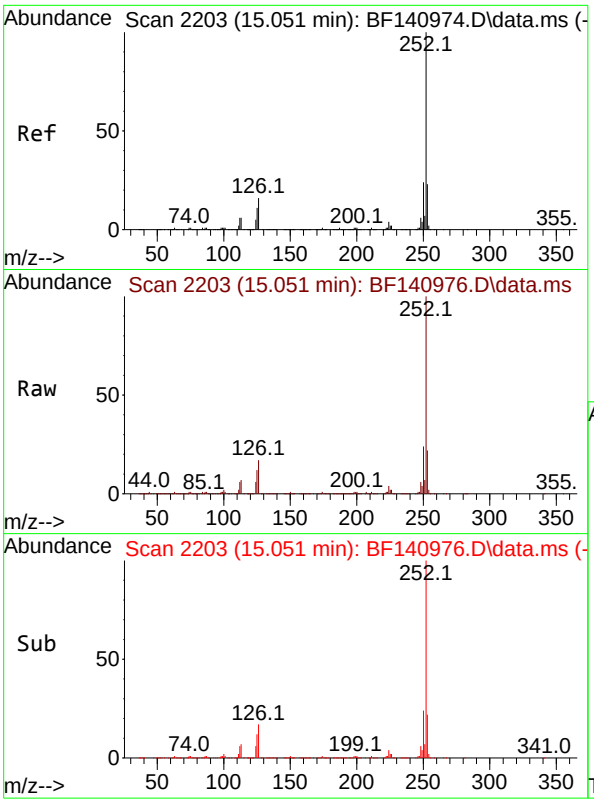


#88
Benzo(b)fluoranthene
Concen: 58.595 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:252 Resp: 2019420

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	11.7	9.3	13.9

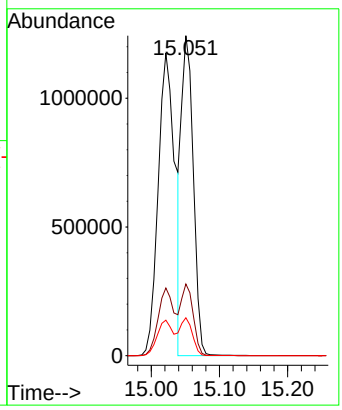




#89
Benzo(k)fluoranthene
Concen: 55.778 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:252 Resp: 150668

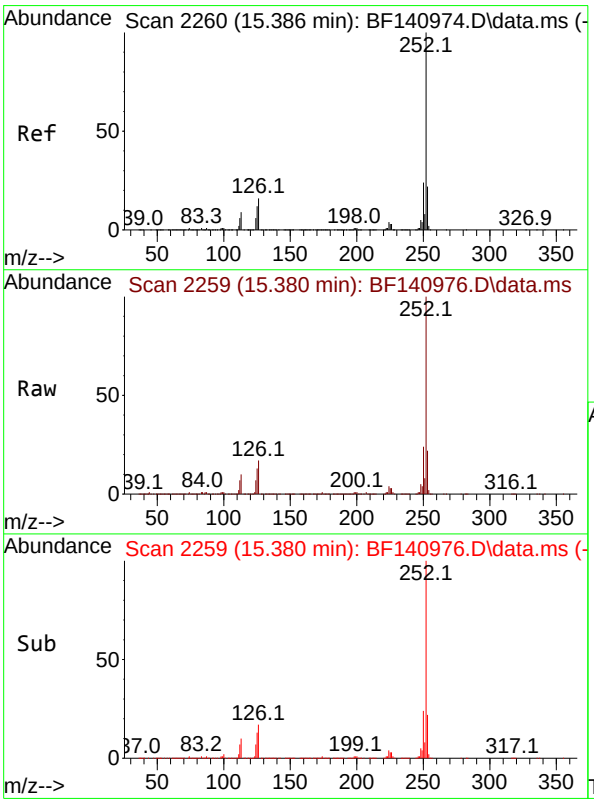
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	11.9	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

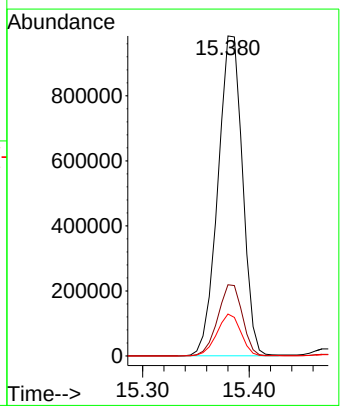
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

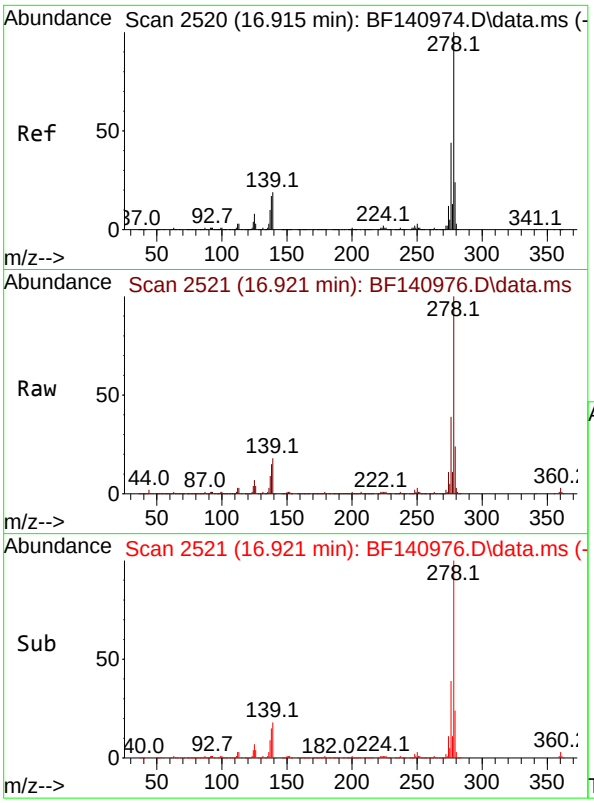


#90
Benzo(a)pyrene
Concen: 59.020 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:252 Resp: 1578812

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	13.1	9.8	14.8

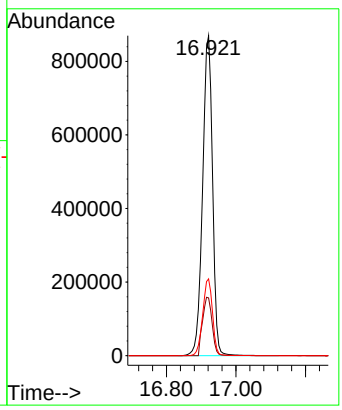




#91
Dibenzo(a,h)anthracene
Concen: 68.425 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:278 Resp: 172681

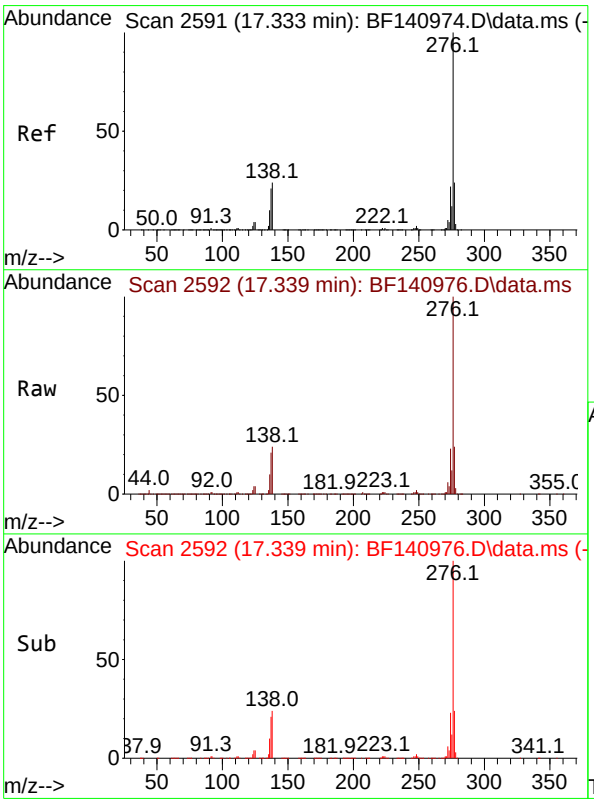
Ion	Ratio	Lower	Upper
278	100		
139	18.1	14.9	22.3
279	24.0	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

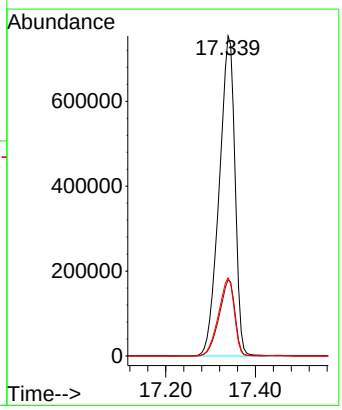
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#92
Benzo(g,h,i)perylene
Concen: 70.421 ng
RT: 17.339 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:276 Resp: 1843269

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	24.4	19.4	29.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140977.D
Acq On : 26 Dec 2024 19:25
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:27:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.834	152	256235	20.000	ng		0.00
21) Naphthalene-d8	8.116	136	977409	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	517561	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	905973	20.000	ng		0.00
76) Chrysene-d12	13.992	240	487461	20.000	ng		0.00
86) Perylene-d12	15.445	264	520884	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.440	112	2368484	139.333	ng		0.00
7) Phenol-d6	6.457	99	3074263	140.390	ng		0.00
23) Nitrobenzene-d5	7.398	82	2604239	170.465	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	822230	163.492	ng		0.00
45) 2-Fluorobiphenyl	9.187	172	4166122	128.248	ng		0.00
79) Terphenyl-d14	12.939	244	4715646	160.683	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.552	88	572464	74.386	ng		100
3) Pyridine	3.305	79	1340918	71.297	ng		100
4) n-Nitrosodimethylamine	3.263	42	724146	75.991	ng		100
6) Aniline	6.534	93	1154312m	59.104	ng		
8) 2-Chlorophenol	6.616	128	1257135	70.145	ng		99
10) Phenol	6.475	94	1587534	70.111	ng		95
11) bis(2-Chloroethyl)ether	6.575	93	1392292m	76.224	ng		
12) 1,3-Dichlorobenzene	6.775	146	1375754	69.557	ng		99
13) 1,4-Dichlorobenzene	6.851	146	1392839	69.856	ng		100
14) 1,2-Dichlorobenzene	7.004	146	1265701	68.084	ng		99
15) Benzyl Alcohol	6.975	79	1122638	71.342	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1929216	69.775	ng		99
17) 2-Methylphenol	7.081	107	1092114	73.350	ng		99
18) Hexachloroethane	7.345	117	520192	73.443	ng		97
19) n-Nitroso-di-n-propyla...	7.257	70	941090	70.150	ng		99
20) 3+4-Methylphenols	7.240	107	1265999	67.191	ng	#	85
22) Acetophenone	7.245	105	1646630	68.675	ng	#	95
24) Nitrobenzene	7.422	77	1399699	81.994	ng		97
25) Isophorone	7.657	82	2454830	73.842	ng		99
26) 2-Nitrophenol	7.728	139	593981	80.829	ng		96
27) 2,4-Dimethylphenol	7.763	122	900268	74.098	ng		99
28) bis(2-Chloroethoxy)met...	7.869	93	1499425	71.188	ng		99
29) 2,4-Dichlorophenol	7.969	162	1033455	74.999	ng		99
30) 1,2,4-Trichlorobenzene	8.057	180	1119798	71.799	ng		100
31) Naphthalene	8.140	128	3488407	67.732	ng		99
32) Benzoic acid	7.898	122	869866	80.749	ng		99
33) 4-Chloroaniline	8.192	127	1373750	73.729	ng		100
34) Hexachlorobutadiene	8.251	225	663193	72.129	ng		99
35) Caprolactam	8.569	113	369167	78.800	ng		100
36) 4-Chloro-3-methylphenol	8.657	107	1144506	74.790	ng		98
37) 2-Methylnaphthalene	8.822	142	2270301	68.904	ng		100
38) 1-Methylnaphthalene	8.922	142	2231397	68.910	ng		100
40) 1,2,4,5-Tetrachloroben...	8.987	216	1015621	71.328	ng		100
41) Hexachlorocyclopentadiene	8.975	237	373217	79.096	ng		100
43) 2,4,6-Trichlorophenol	9.098	196	733660	77.418	ng		100
44) 2,4,5-Trichlorophenol	9.134	196	735644	75.868	ng		100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140977.D
Acq On : 26 Dec 2024 19:25
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 27 00:27:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.292	154	2671996	67.425	ng		99
47) 2-Chloronaphthalene	9.316	162	2134444	69.446	ng		99
48) 2-Nitroaniline	9.404	65	672379	80.177	ng		97
49) Acenaphthylene	9.728	152	3058781	69.133	ng		98
50) Dimethylphthalate	9.592	163	2454844	72.109	ng		99
51) 2,6-Dinitrotoluene	9.651	165	571642	79.723	ng		100
52) Acenaphthene	9.904	154	2125174	71.048	ng		99
53) 3-Nitroaniline	9.822	138	618458	79.606	ng	#	94
54) 2,4-Dinitrophenol	9.922	184	217487	79.264	ng	#	1
55) Dibenzofuran	10.075	168	2876315	68.424	ng		99
56) 4-Nitrophenol	9.969	139	520450	89.372	ng		97
57) 2,4-Dinitrotoluene	10.051	165	704156	79.614	ng		97
58) Fluorene	10.416	166	2204698	67.635	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	624965	77.824	ng		99
60) Diethylphthalate	10.292	149	2431548	72.349	ng		99
61) 4-Chlorophenyl-phenyle...	10.410	204	1077930	68.724	ng		98
62) 4-Nitroaniline	10.439	138	622110	80.074	ng		97
63) Azobenzene	10.569	77	2525786	71.600	ng		99
65) 4,6-Dinitro-2-methylph...	10.463	198	323476	81.463	ng		98
66) n-Nitrosodiphenylamine	10.528	169	2022411	70.890	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	713807	72.884	ng		99
68) Hexachlorobenzene	10.963	284	798823	73.971	ng		99
70) Pentachlorophenol	11.151	266	559728	83.248	ng		100
71) Phenanthrene	11.375	178	3286287	68.921	ng		99
72) Anthracene	11.428	178	3204142	68.578	ng		99
73) Carbazole	11.580	167	3104460	69.118	ng		99
74) Di-n-butylphthalate	11.916	149	3587776	70.229	ng		99
75) Fluoranthene	12.563	202	3500378	67.687	ng		99
77) Benzidine	12.680	184	783695	76.072	ng		99
78) Pyrene	12.792	202	3514654	82.441	ng		99
80) Butylbenzylphthalate	13.416	149	1323506	85.018	ng		98
81) Benzo(a)anthracene	13.980	228	2440118	71.825	ng		100
82) 3,3'-Dichlorobenzidine	13.945	252	735658	72.073	ng		99
83) Chrysene	14.016	228	2321200	75.793	ng		100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1545595	76.541	ng		100
85) Di-n-octyl phthalate	14.598	149	2322268	79.458	ng		100
87) Indeno(1,2,3-cd)pyrene	16.904	276	2898446	88.322	ng		99
88) Benzo(b)fluoranthene	15.027	252	2657521	73.152	ng		100
89) Benzo(k)fluoranthene	15.057	252	1897702	66.649	ng		100
90) Benzo(a)pyrene	15.392	252	2098162	74.410	ng		99
91) Dibenzo(a,h)anthracene	16.927	278	2334266	87.749	ng		99
92) Benzo(g,h,i)perylene	17.351	276	2487019	90.139	ng		99

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

ICAL Form

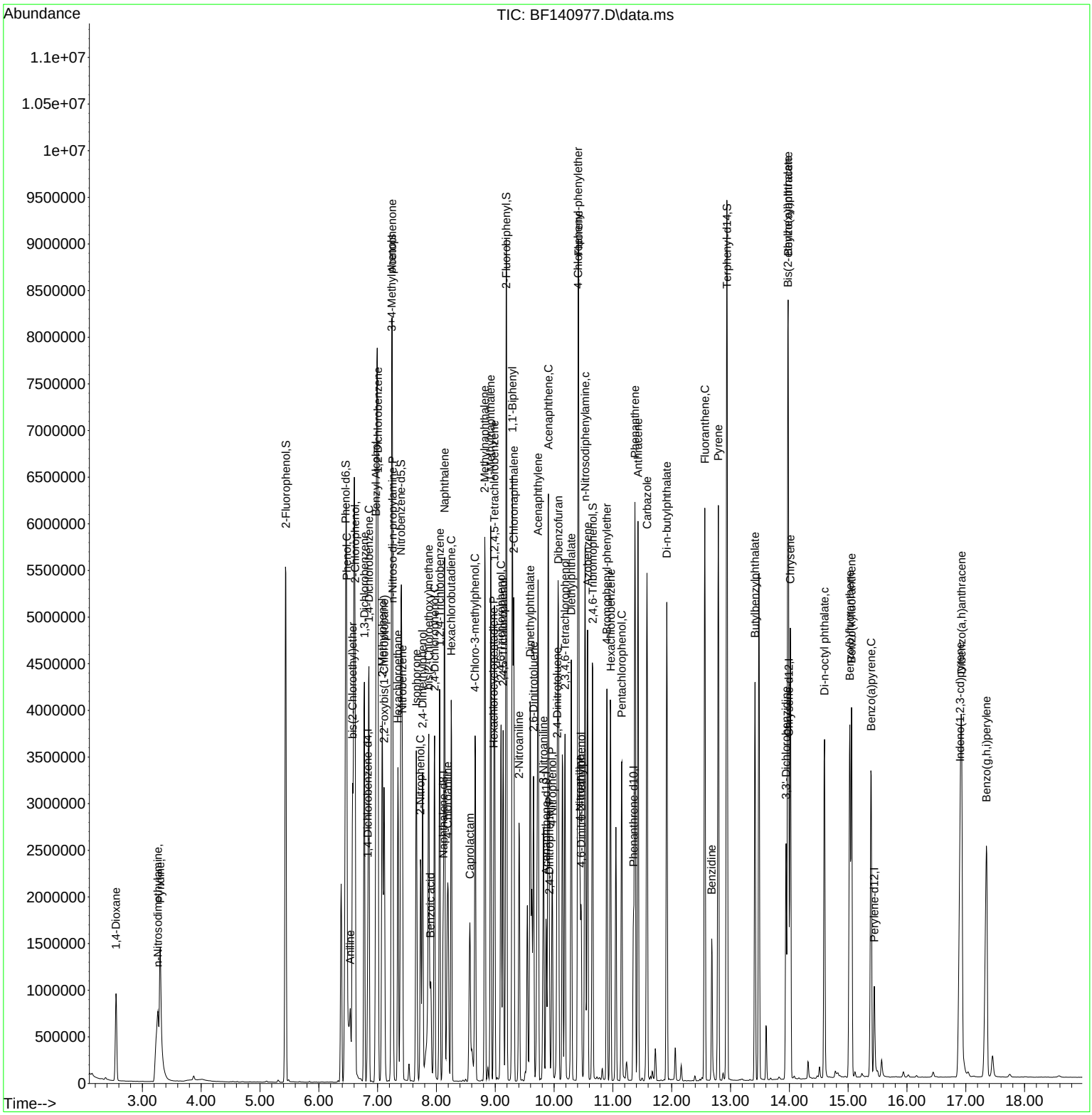
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140977.D
Acq On : 26 Dec 2024 19:25
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

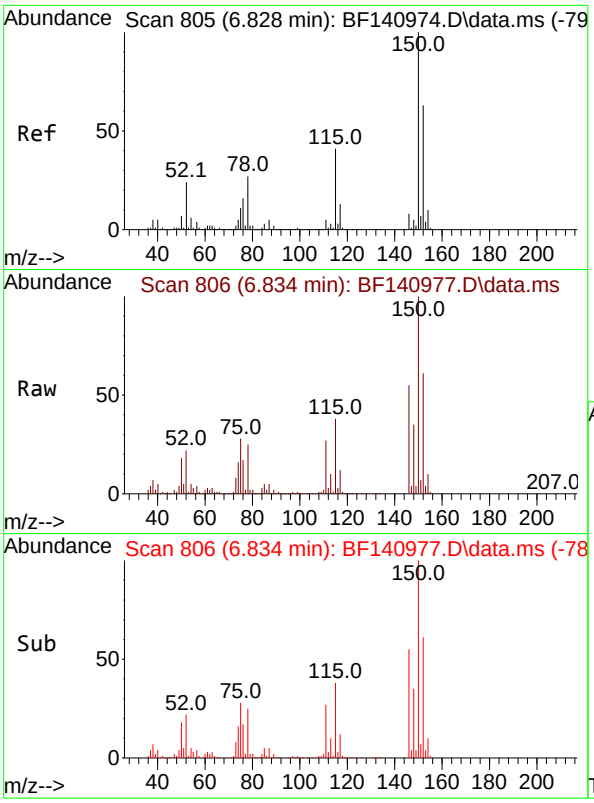
Quant Time: Dec 27 00:27:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

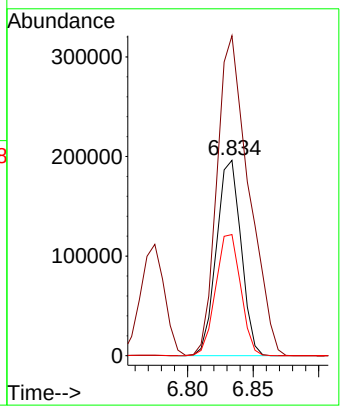




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:152 Resp: 25623

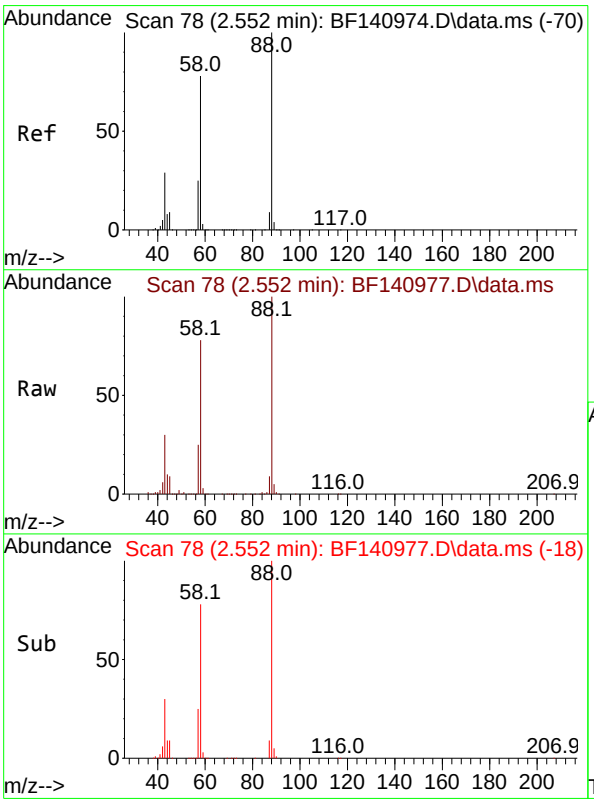
Ion	Ratio	Lower	Upper
152	100		
150	163.7	127.0	190.6
115	62.0	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

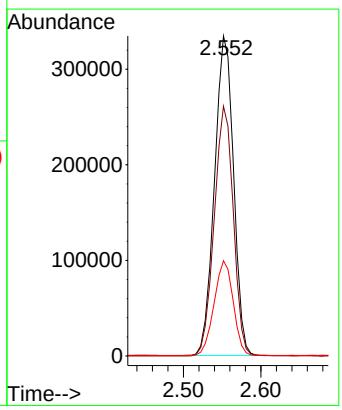
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

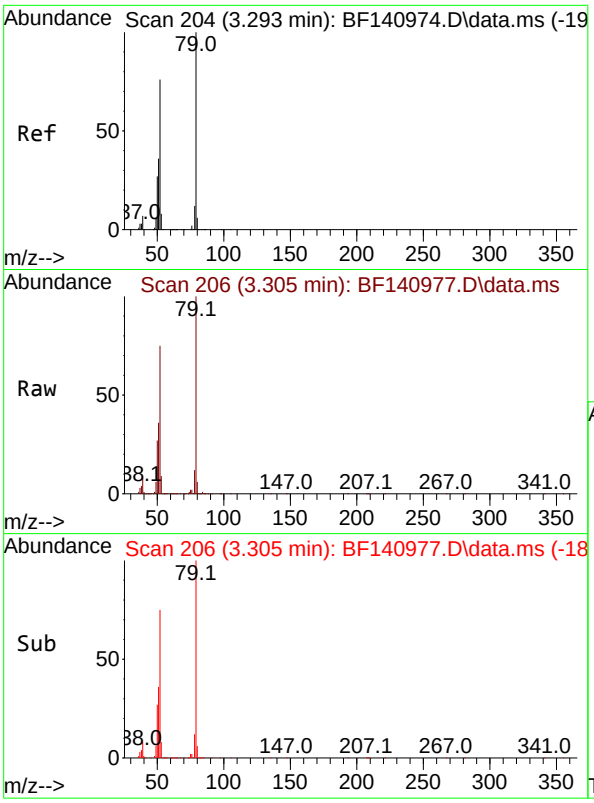


#2
1,4-Dioxane
Concen: 74.386 ng
RT: 2.552 min Scan# 78
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 88 Resp: 572464

Ion	Ratio	Lower	Upper
88	100		
58	78.4	63.0	94.4
43	29.7	23.4	35.2

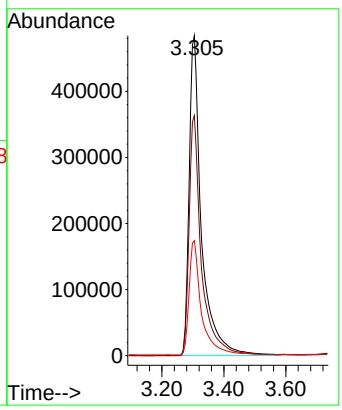




#3
Pyridine
Concen: 71.297 ng
RT: 3.305 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 79 Resp: 134091

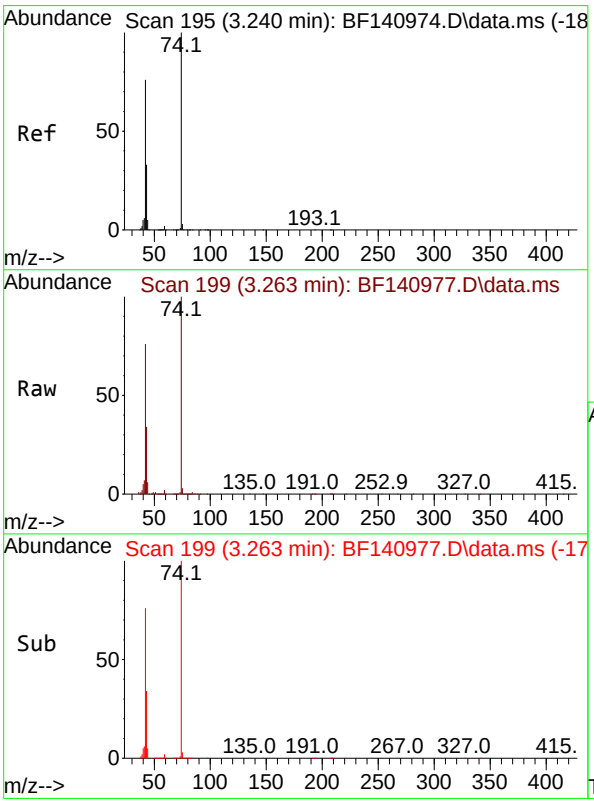
Ion	Ratio	Lower	Upper
79	100		
52	75.0	60.4	90.6
51	36.0	28.8	43.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

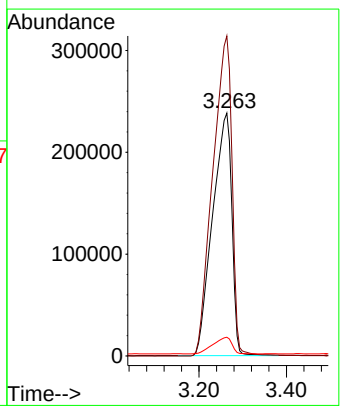
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

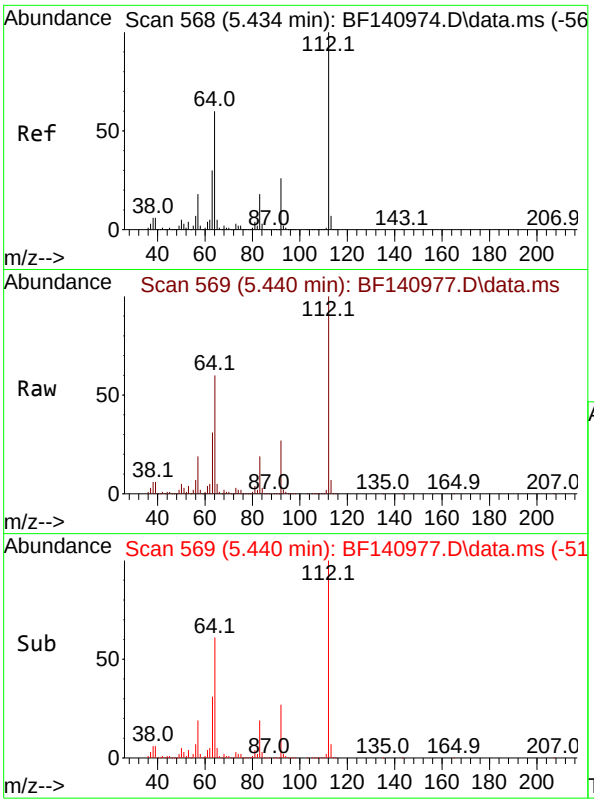


#4
n-Nitrosodimethylamine
Concen: 75.991 ng
RT: 3.263 min Scan# 199
Delta R.T. 0.024 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 42 Resp: 724146

Ion	Ratio	Lower	Upper
42	100		
74	131.8	105.8	158.6
44	7.7	6.6	10.0

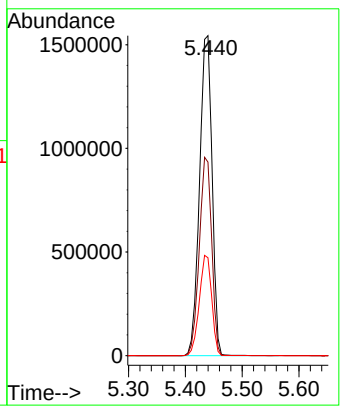




#5
2-Fluorophenol
Concen: 139.333 ng
RT: 5.440 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:112 Resp: 236848

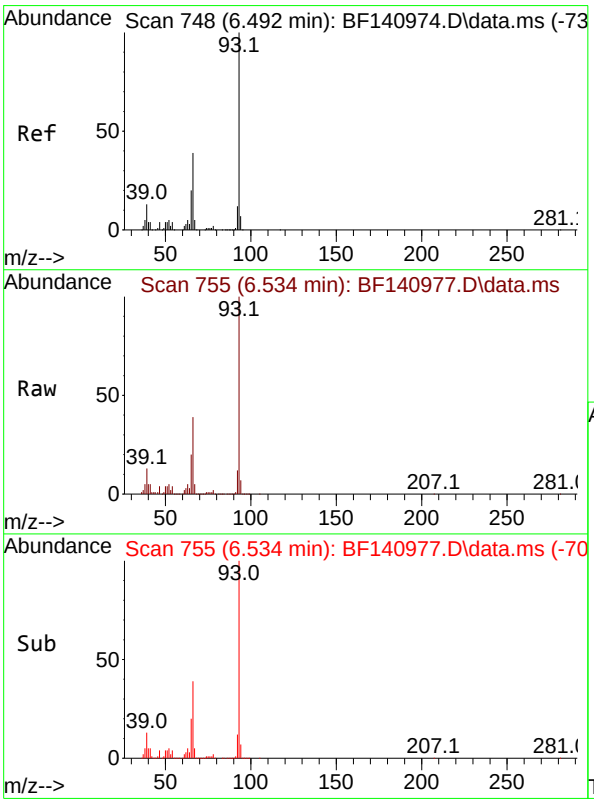
Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.7	71.5
63	30.6	24.2	36.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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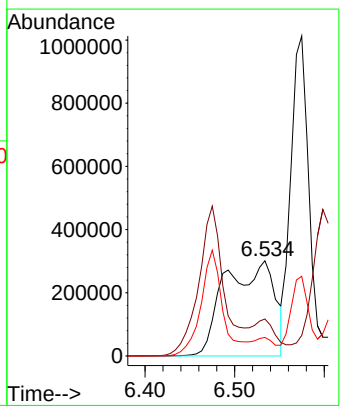
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

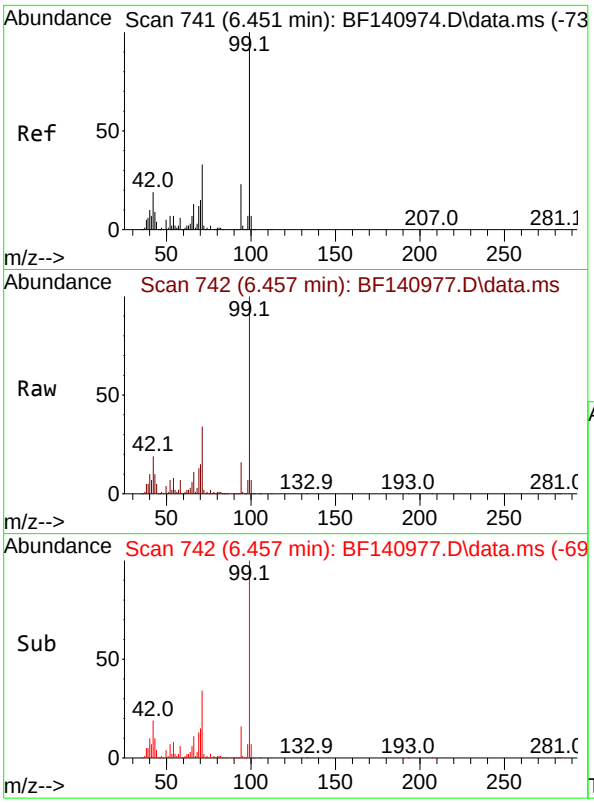


#6
Aniline
Concen: 59.104 ng m
RT: 6.534 min Scan# 755
Delta R.T. 0.024 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 93 Resp: 1154312

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.8	47.8
65	19.6	15.4	23.0

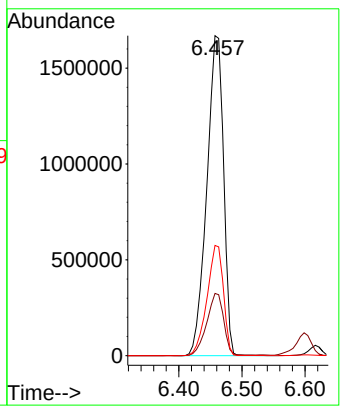




#7
Phenol-d6
Concen: 140.390 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 99 Resp: 307426

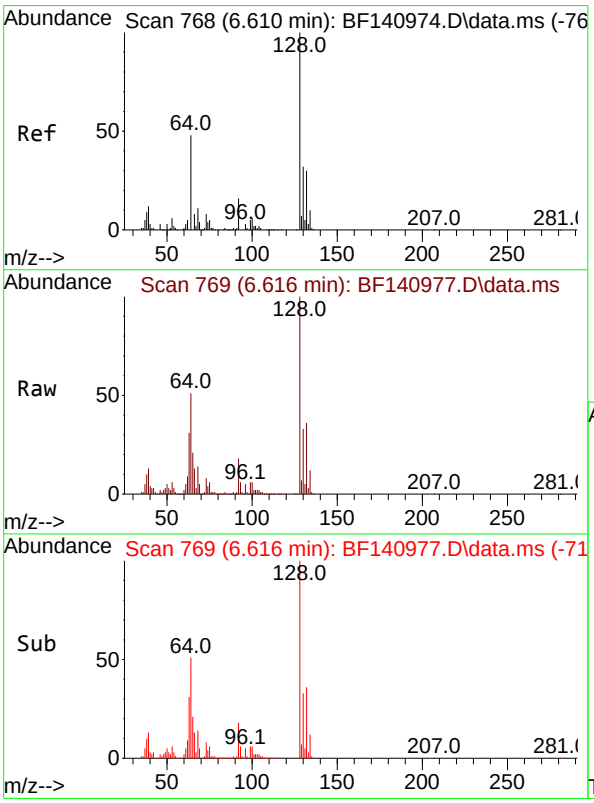
Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.0	22.4
71	34.5	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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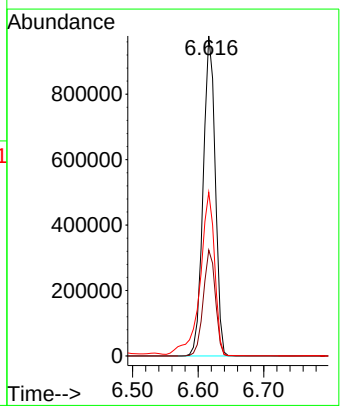
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

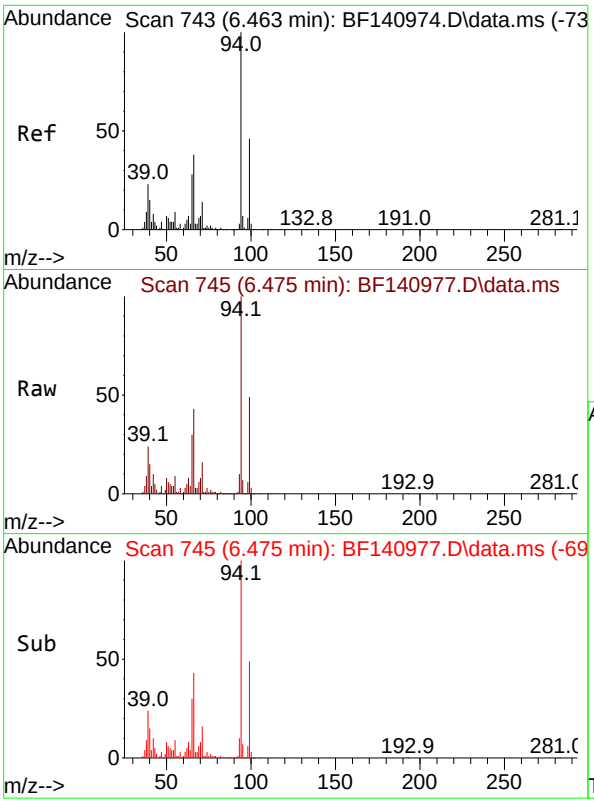


#8
2-Chlorophenol
Concen: 70.145 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:128 Resp: 1257135

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.2	52.2
64	51.2	30.3	70.3

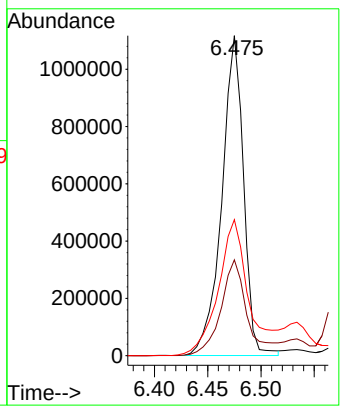




#10
Phenol
Concen: 70.111 ng
RT: 6.475 min Scan# 74
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 94 Resp: 158753

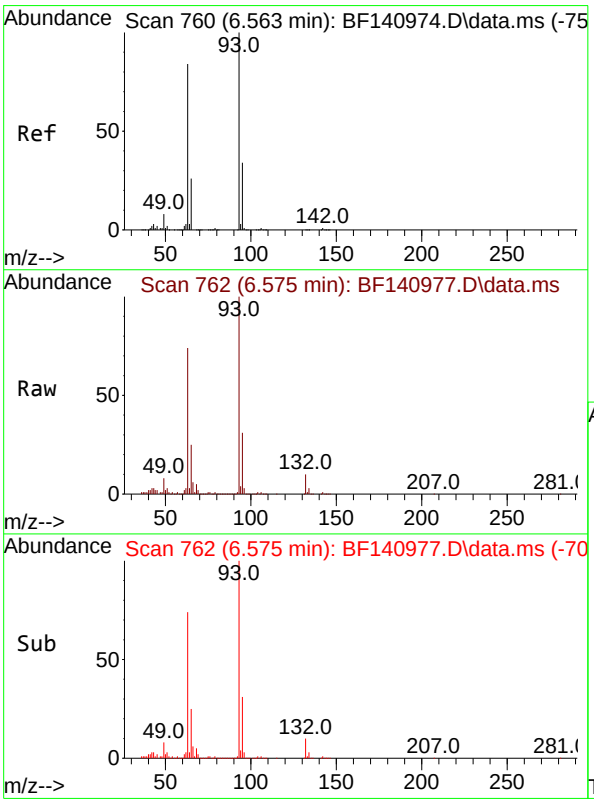
Ion	Ratio	Lower	Upper
94	100		
65	29.9	8.1	48.1
66	42.5	18.7	58.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

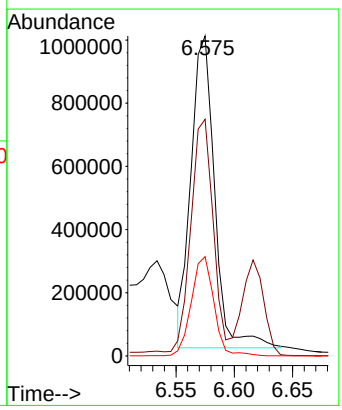
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

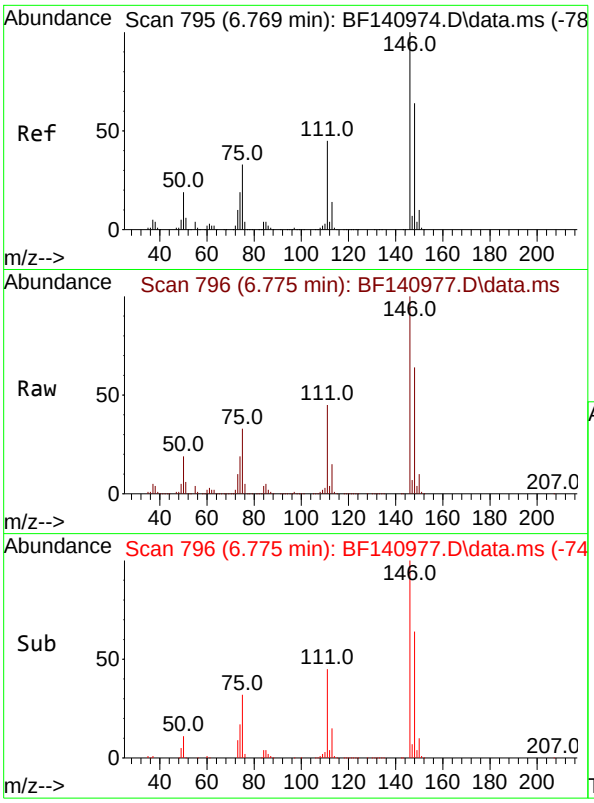


#11
bis(2-Chloroethyl)ether
Concen: 76.224 ng m
RT: 6.575 min Scan# 762
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 93 Resp: 1392292

Ion	Ratio	Lower	Upper
93	100		
63	74.0	60.3	100.3
95	31.0	12.2	52.2





#12
1,3-Dichlorobenzene
Concen: 69.557 ng
RT: 6.775 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

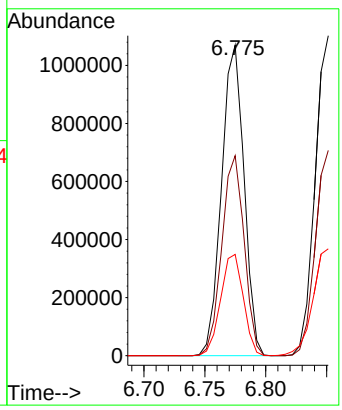
Tgt Ion:146 Resp: 137575

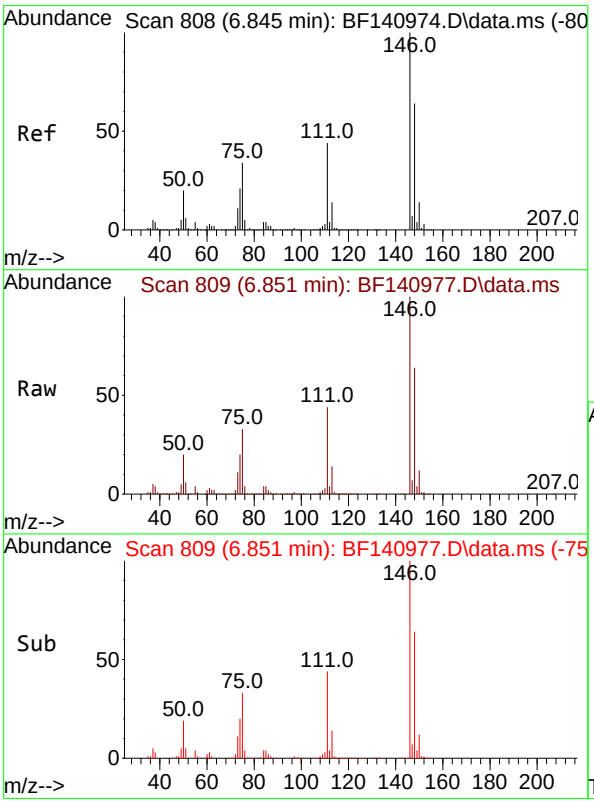
Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
75	32.6	26.1	39.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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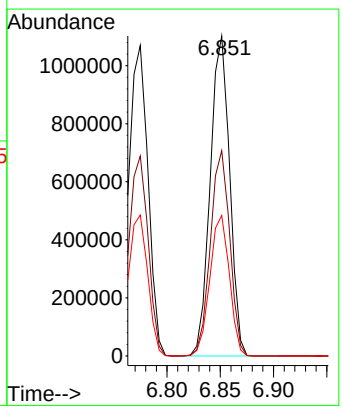


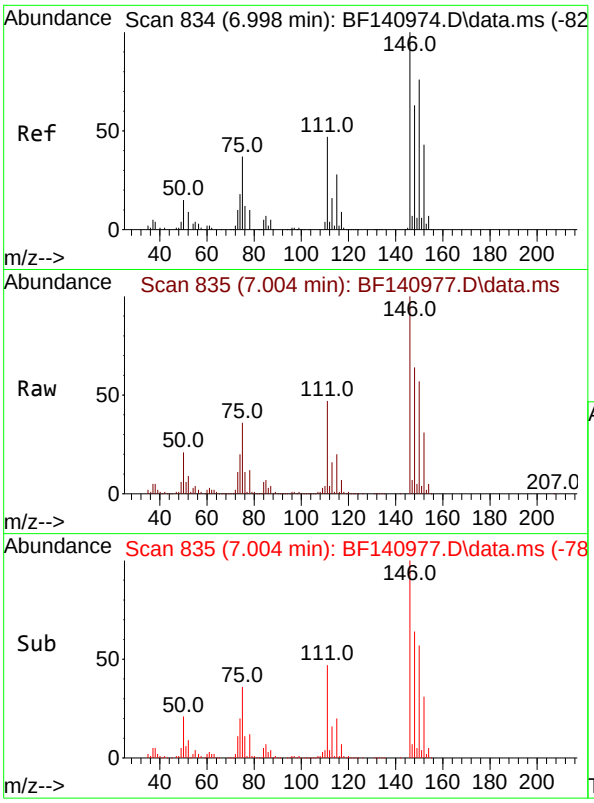


#13
1,4-Dichlorobenzene
Concen: 69.856 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:146 Resp: 1392839

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.3	76.9
111	43.9	35.3	52.9

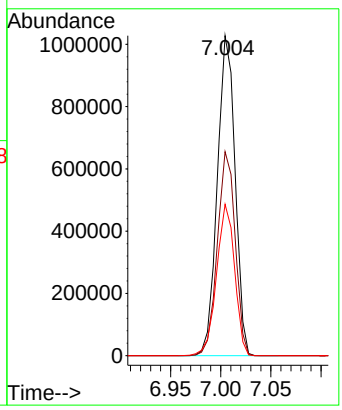




#14
1,2-Dichlorobenzene
Concen: 68.084 ng
RT: 7.004 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:146 Resp: 126570

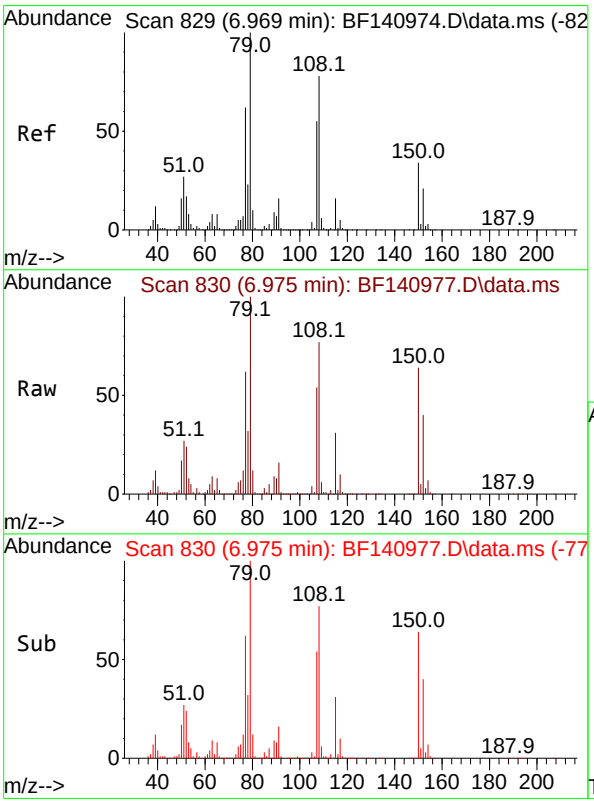
Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
111	47.3	37.3	55.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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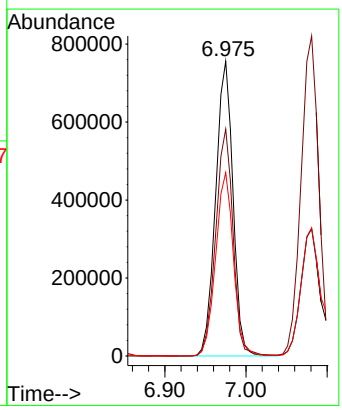
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

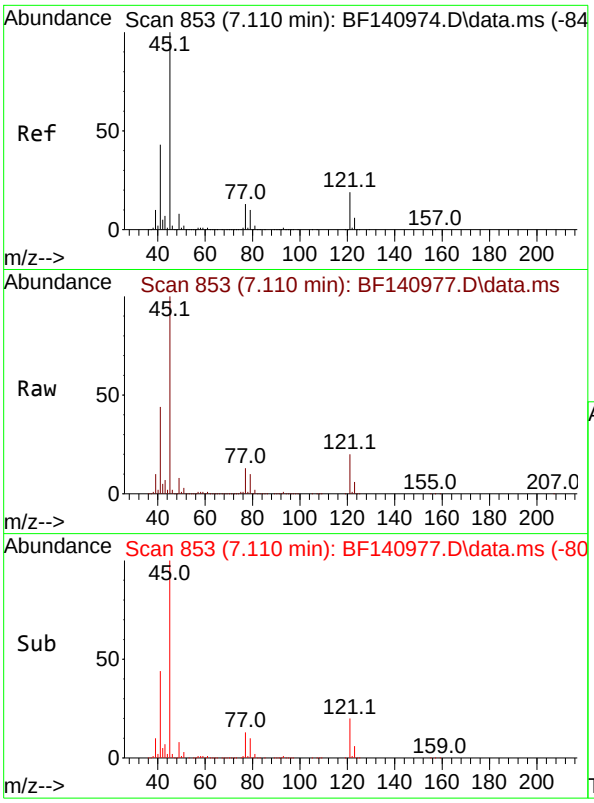


#15
Benzyl Alcohol
Concen: 71.342 ng
RT: 6.975 min Scan# 830
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 79 Resp: 1122638

Ion	Ratio	Lower	Upper
79	100		
108	77.0	62.5	93.7
77	62.2	49.3	73.9

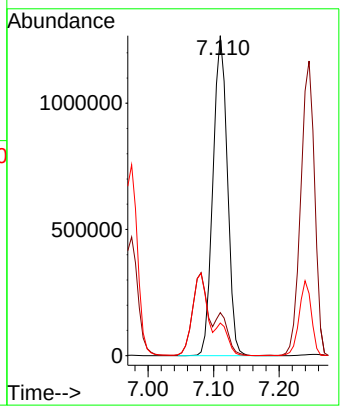




#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.775 ng
RT: 7.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 45 Resp: 192921

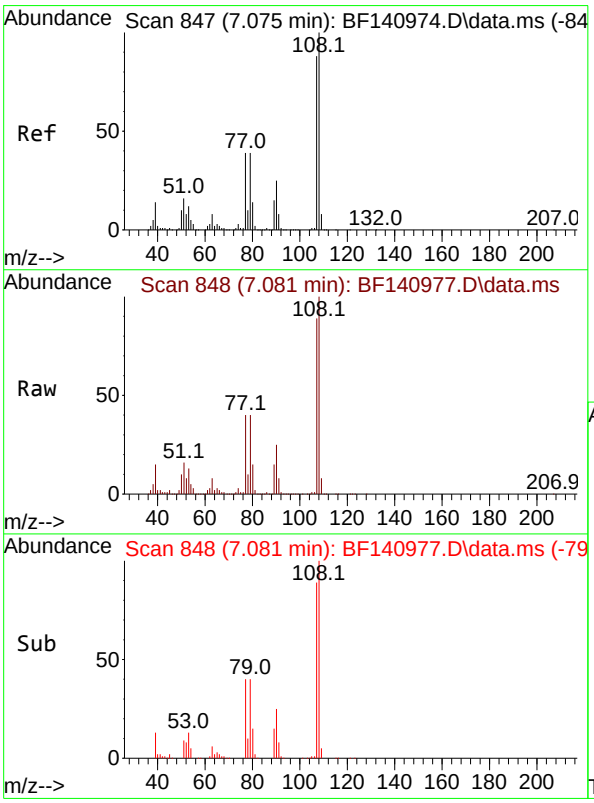
Ion	Ratio	Lower	Upper
45	100		
77	13.5	0.0	33.1
79	10.2	0.0	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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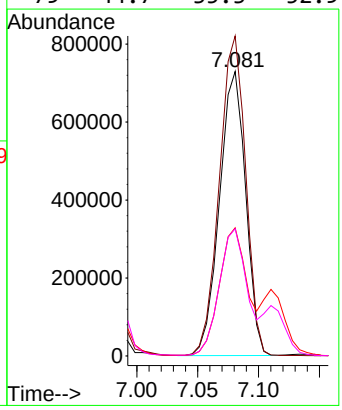
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

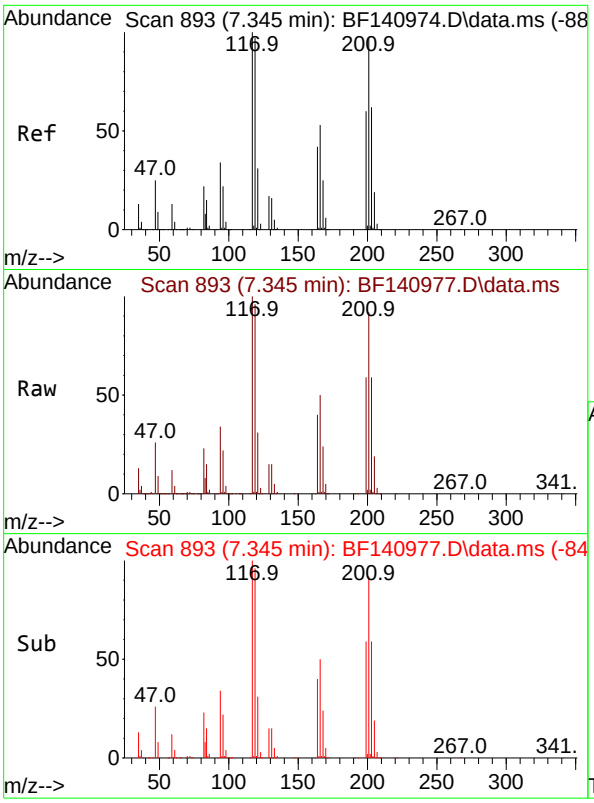


#17
2-Methylphenol
Concen: 73.350 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:107 Resp: 1092114

Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.6	136.0
77	45.1	35.3	52.9
79	44.7	35.3	52.9





#18
Hexachloroethane
Concen: 73.443 ng
RT: 7.345 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

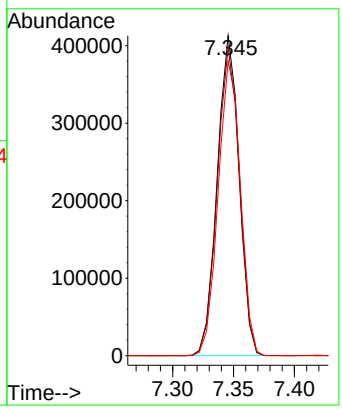
Tgt Ion:117 Resp: 52019

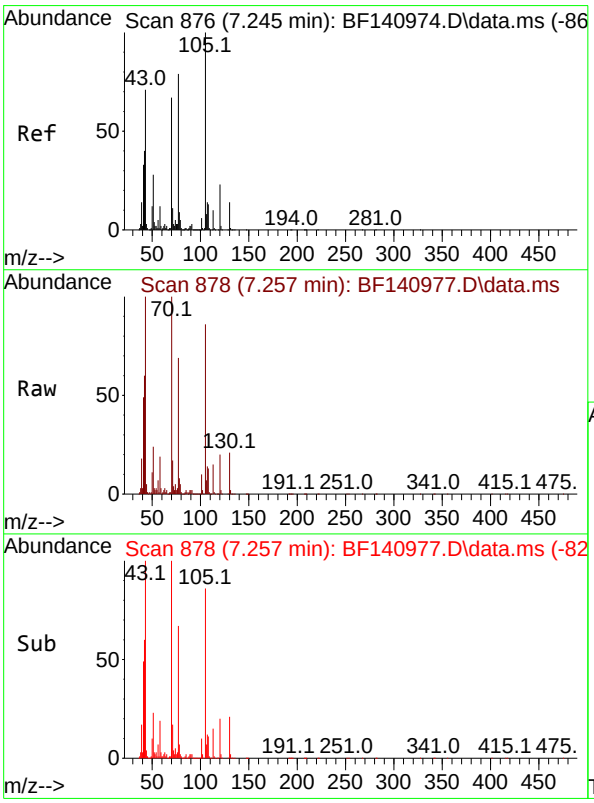
Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.5	116.3
201	92.1	77.4	116.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

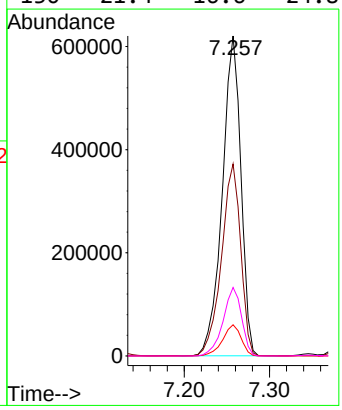


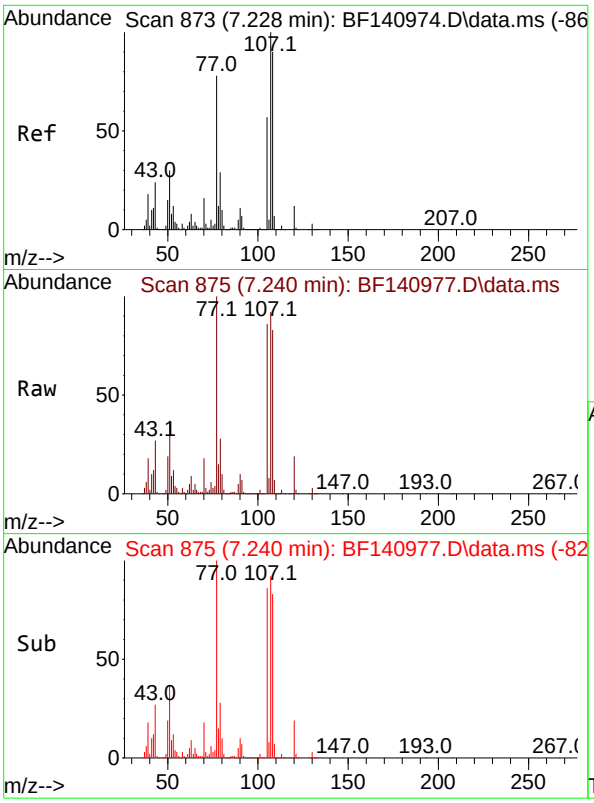


#19
n-Nitroso-di-n-propylamine
Concen: 70.150 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 70 Resp: 941090

Ion	Ratio	Lower	Upper
70	100		
42	60.0	48.1	72.1
101	9.8	7.6	11.4
130	21.4	16.6	24.8

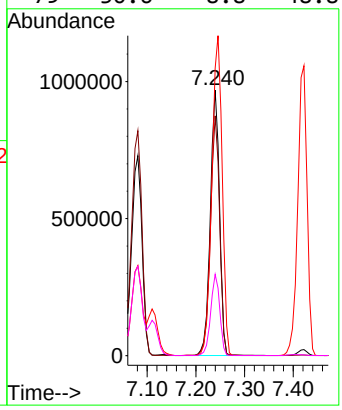




#20
3+4-Methylphenols
Concen: 67.191 ng
RT: 7.240 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:107 Resp: 126599

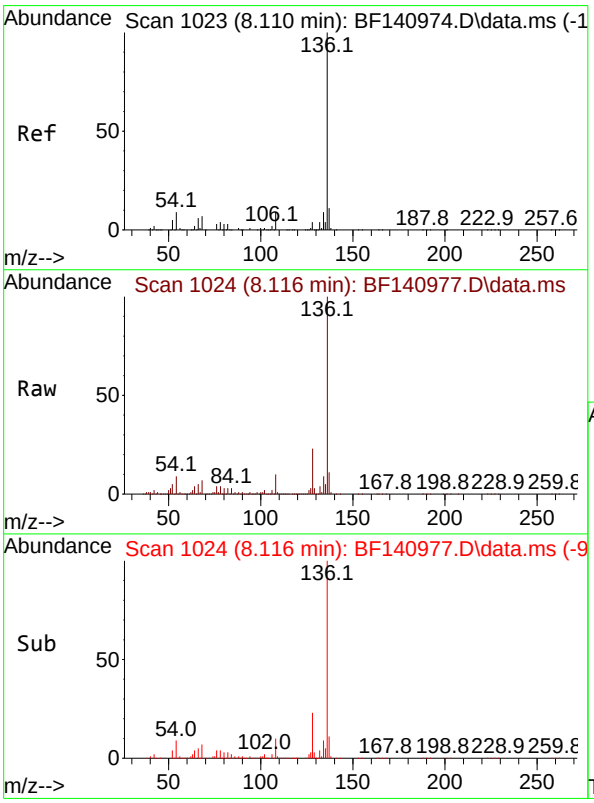
Ion	Ratio	Lower	Upper
107	100		
108	90.3	69.6	109.6
77	108.2	57.6	97.6
79	30.6	8.8	48.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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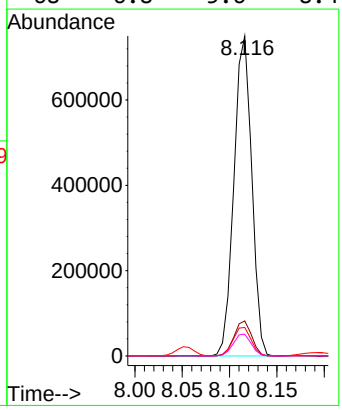
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

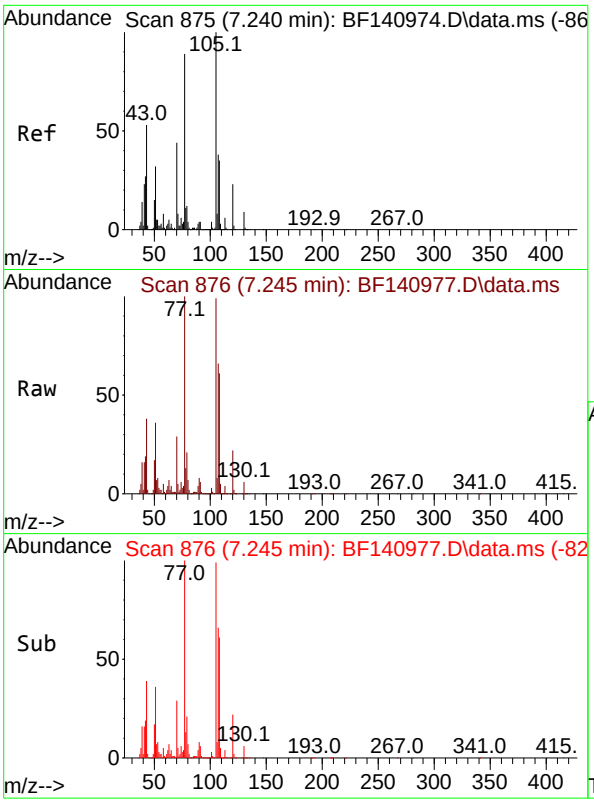


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:136 Resp: 977409

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	8.9	7.6	11.4
68	6.8	5.6	8.4

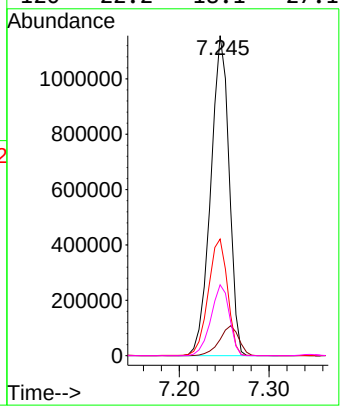




#22
Acetophenone
Concen: 68.675 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:105 Resp: 164663

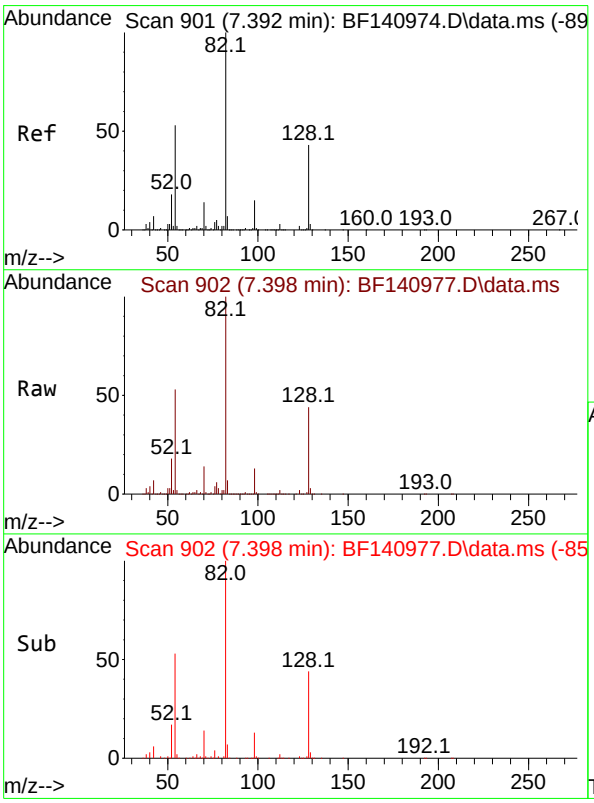
Ion	Ratio	Lower	Upper
105	100		
71	5.0	6.1	9.1#
51	36.5	25.8	38.6
120	22.2	18.1	27.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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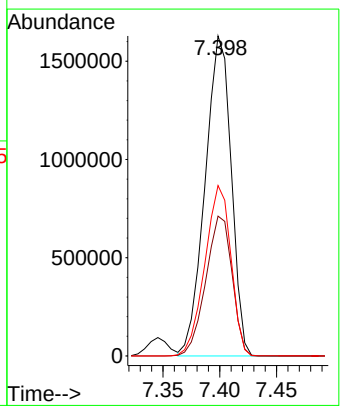
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

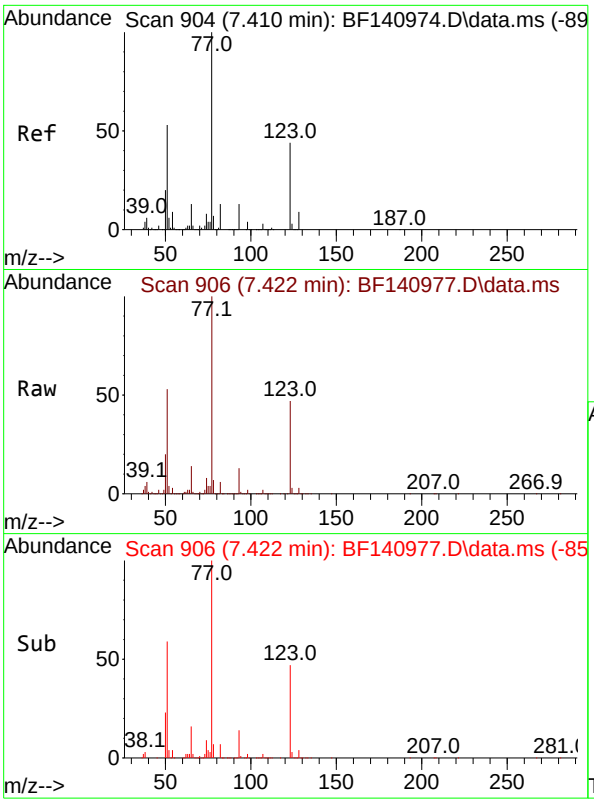


#23
Nitrobenzene-d5
Concen: 170.465 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 82 Resp: 2604239

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.4	51.6
54	53.3	42.4	63.6

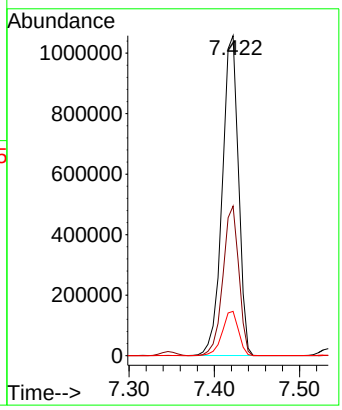




#24
Nitrobenzene
Concen: 81.994 ng
RT: 7.422 min Scan# 9(
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 77 Resp: 139969

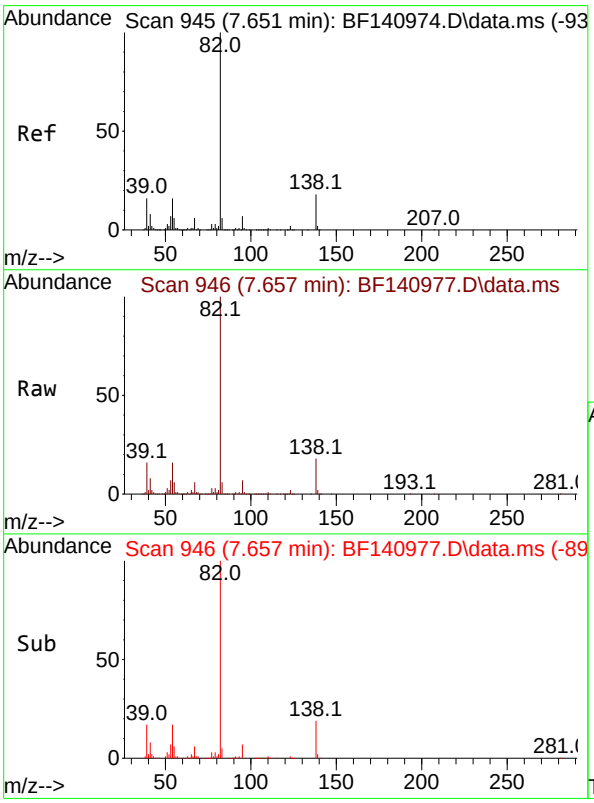
Ion	Ratio	Lower	Upper
77	100		
123	46.8	35.4	53.2
65	13.9	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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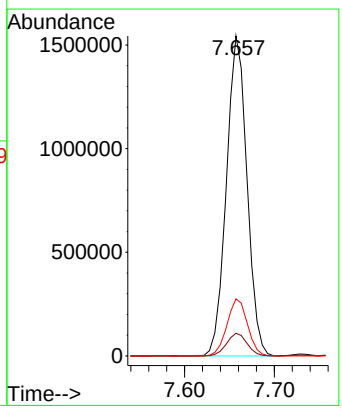
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

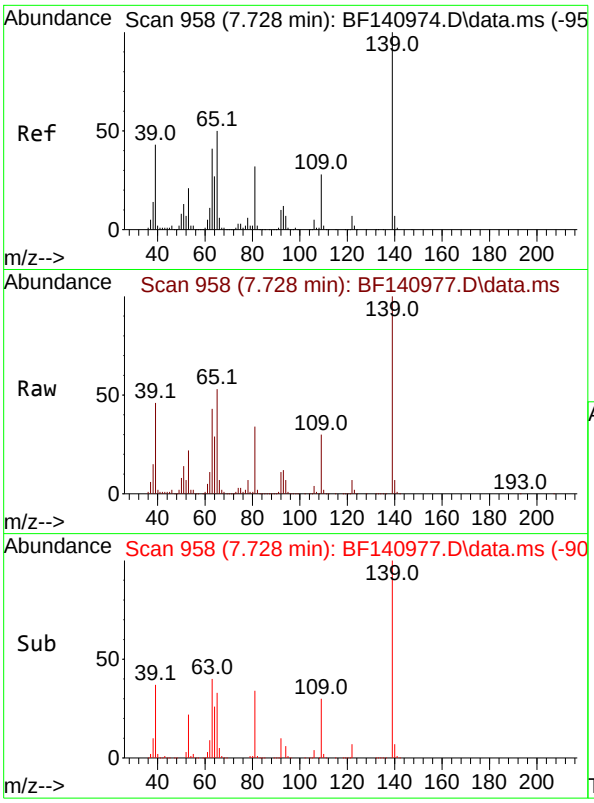


#25
Isophorone
Concen: 73.842 ng
RT: 7.657 min Scan# 946
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 82 Resp: 2454830

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	17.8	14.6	21.8





#26
2-Nitrophenol
Concen: 80.829 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

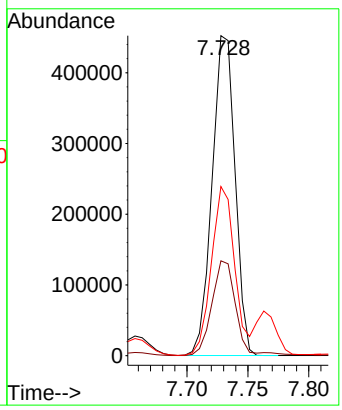
Tgt Ion:139 Resp: 59398

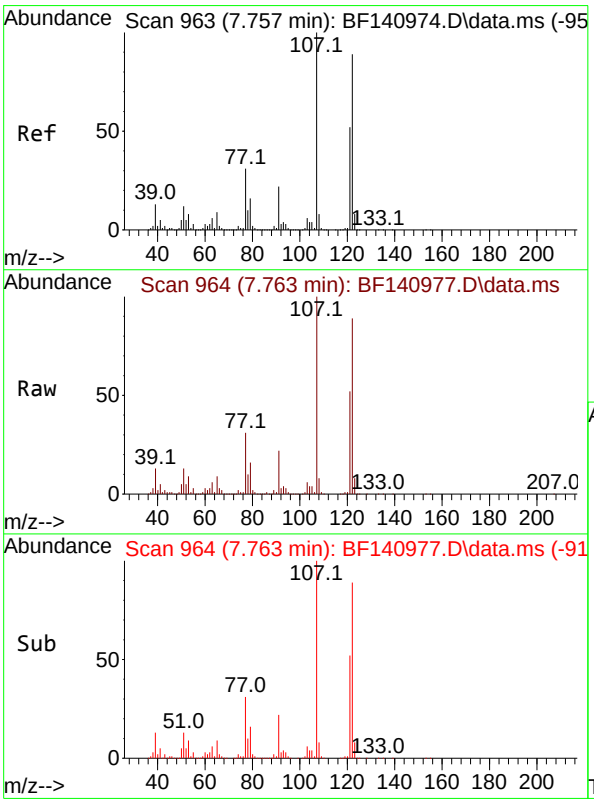
Ion	Ratio	Lower	Upper
139	100		
109	29.7	22.2	33.4
65	52.9	40.2	60.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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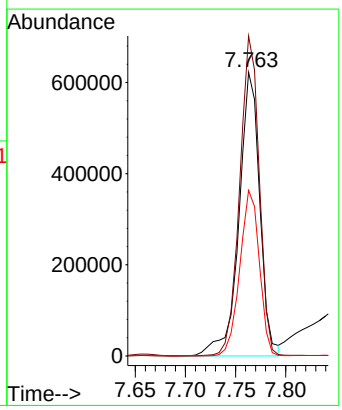


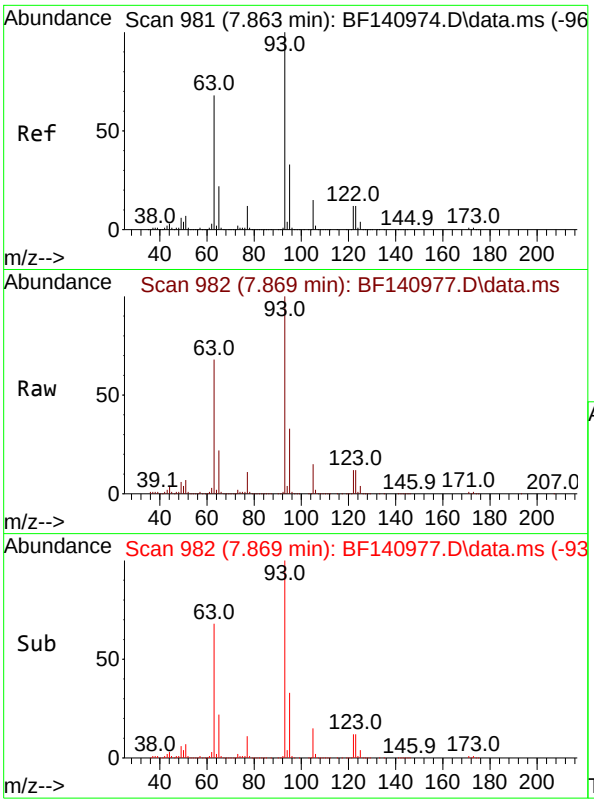


#27
2,4-Dimethylphenol
Concen: 74.098 ng
RT: 7.763 min Scan# 964
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:122 Resp: 900268

Ion	Ratio	Lower	Upper
122	100		
107	112.8	89.4	134.2
121	58.4	46.7	70.1

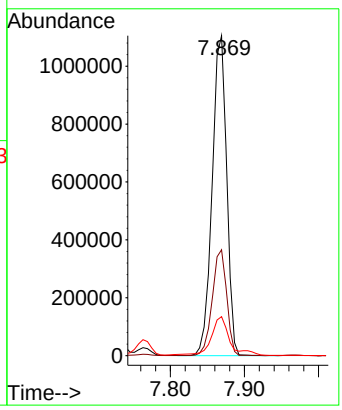




#28
bis(2-Chloroethoxy)methane
Concen: 71.188 ng
RT: 7.869 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 93 Resp: 149942

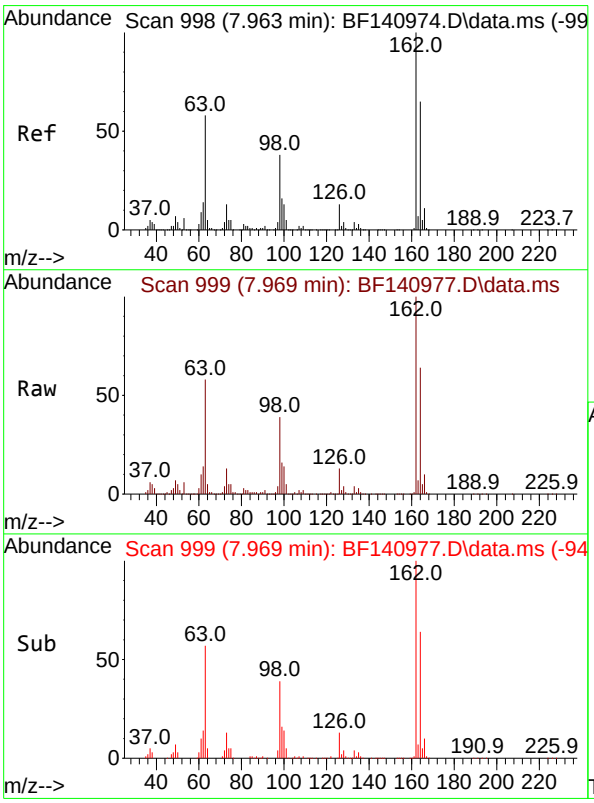
Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.2	39.4
123	12.2	9.9	14.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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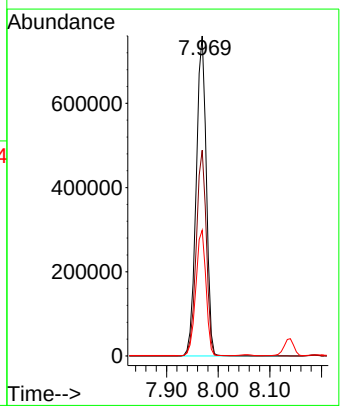
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

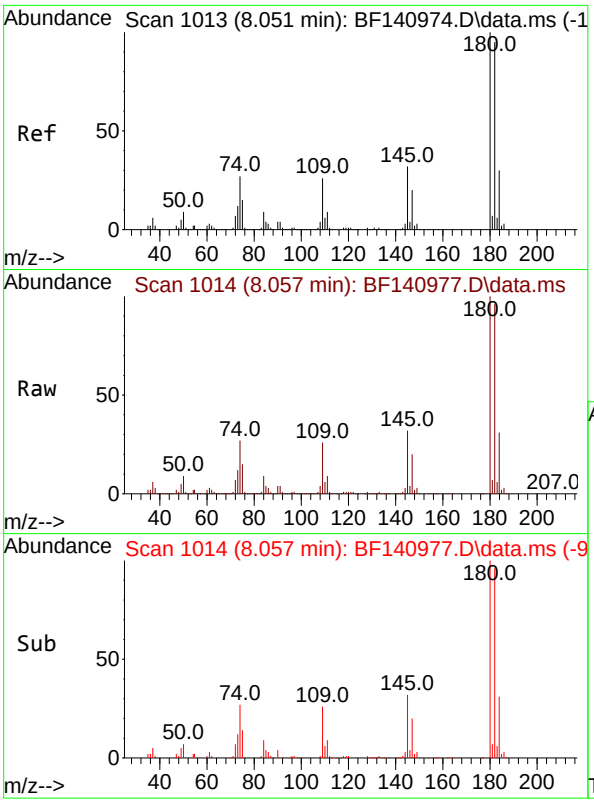


#29
2,4-Dichlorophenol
Concen: 74.999 ng
RT: 7.969 min Scan# 999
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:162 Resp: 1033455

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.8	84.8
98	39.3	18.6	58.6





#30
1,2,4-Trichlorobenzene
Concen: 71.799 ng
RT: 8.057 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

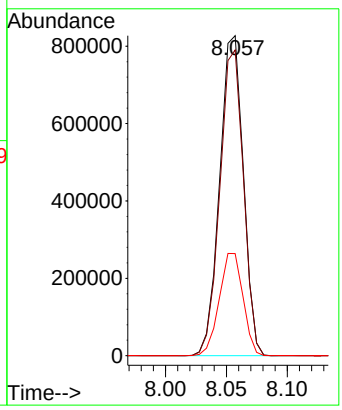
Tgt Ion:180 Resp: 111979

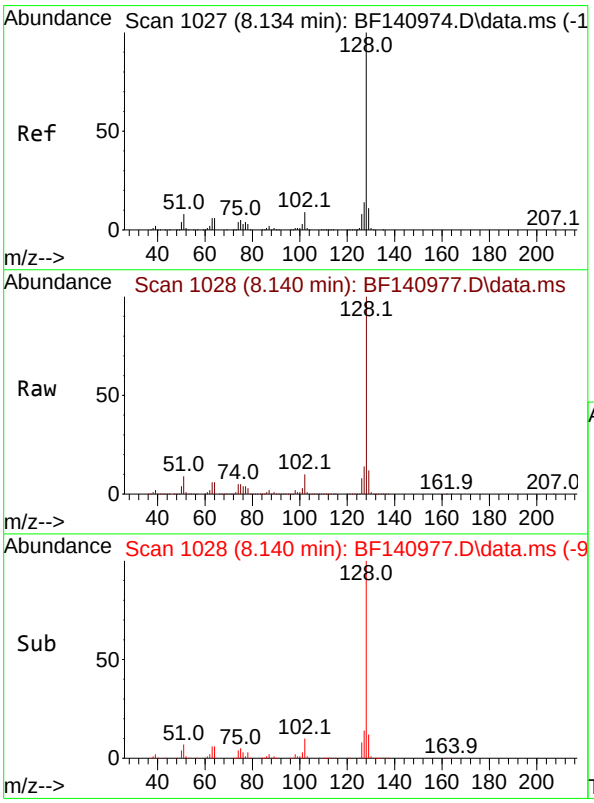
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.4
145	31.9	25.4	38.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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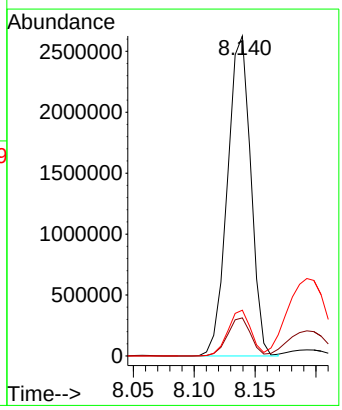


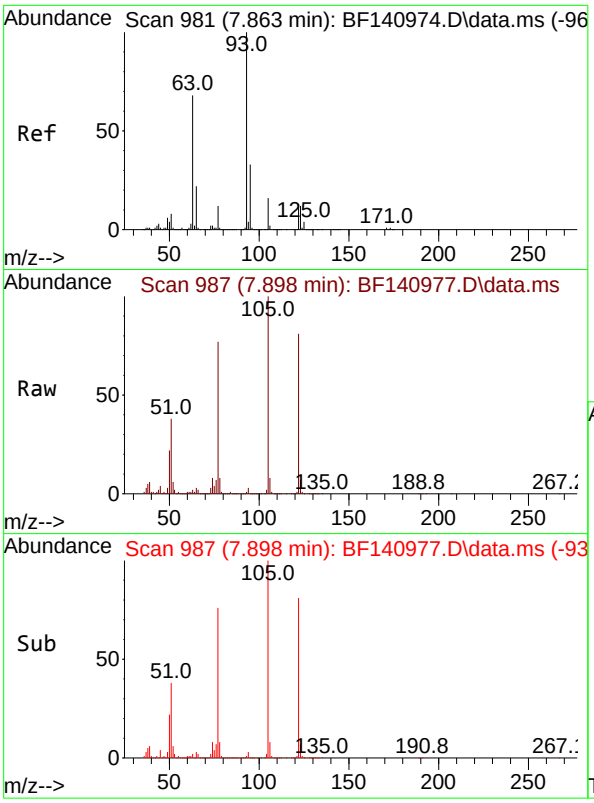


#31
Naphthalene
Concen: 67.732 ng
RT: 8.140 min Scan# 1028
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:128 Resp: 3488407

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.2	13.8
127	14.3	11.0	16.4





#32
Benzoic acid
Concen: 80.749 ng
RT: 7.898 min Scan# 9
Delta R.T. 0.035 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

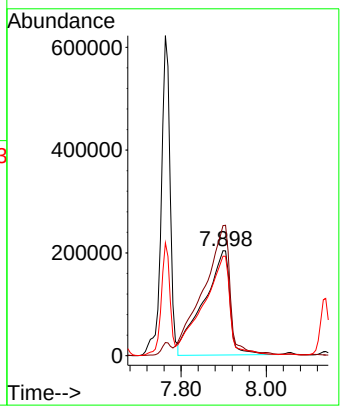
Tgt Ion:122 Resp: 86986

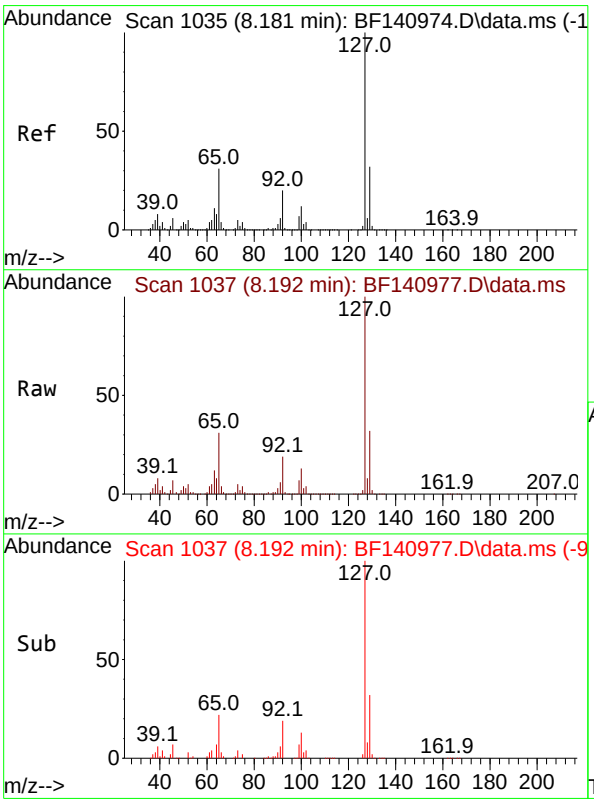
Ion	Ratio	Lower	Upper
122	100		
105	123.9	105.4	145.4
77	94.9	76.4	116.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

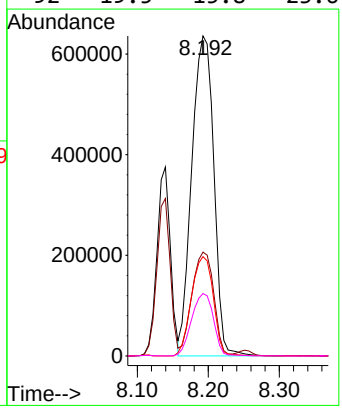


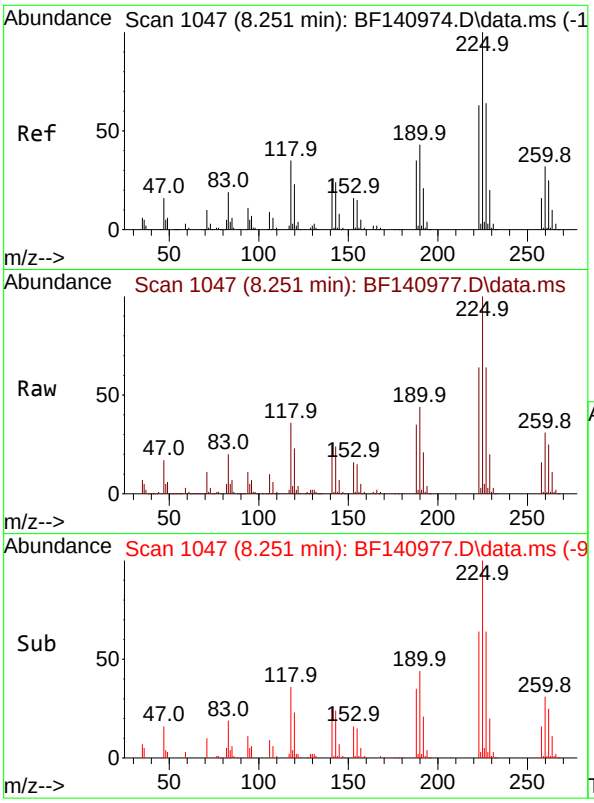


#33
4-Chloroaniline
Concen: 73.729 ng
RT: 8.192 min Scan# 1037
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:127 Resp: 1373750

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	31.1	24.6	37.0
92	19.5	15.8	23.6





#34
Hexachlorobutadiene
Concen: 72.129 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

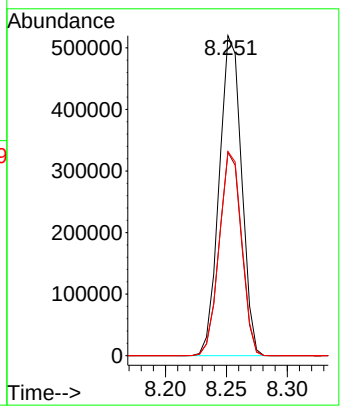
Tgt Ion:225 Resp: 66319

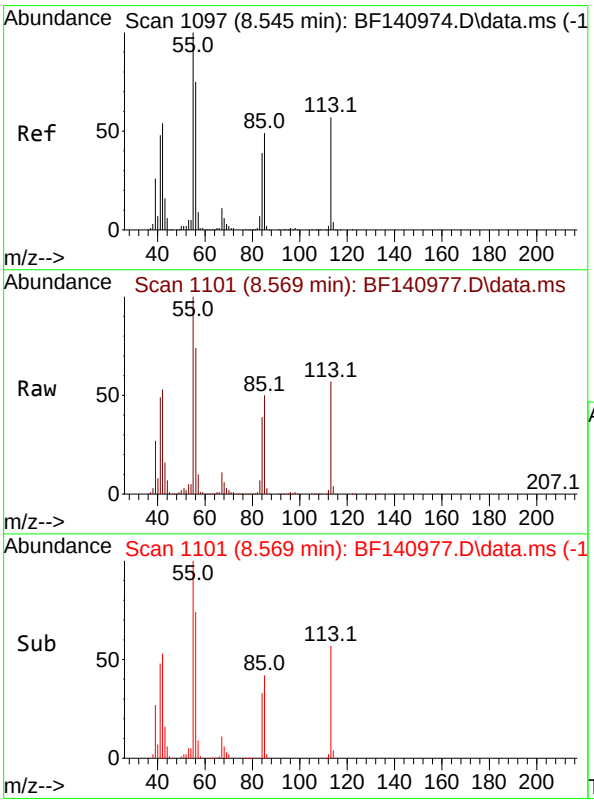
Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	63.8	50.8	76.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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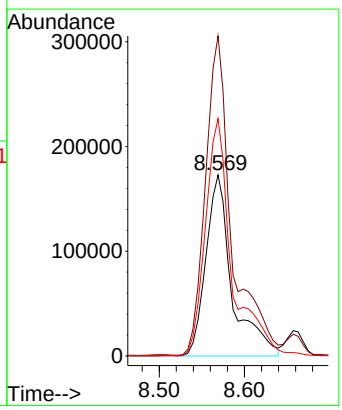


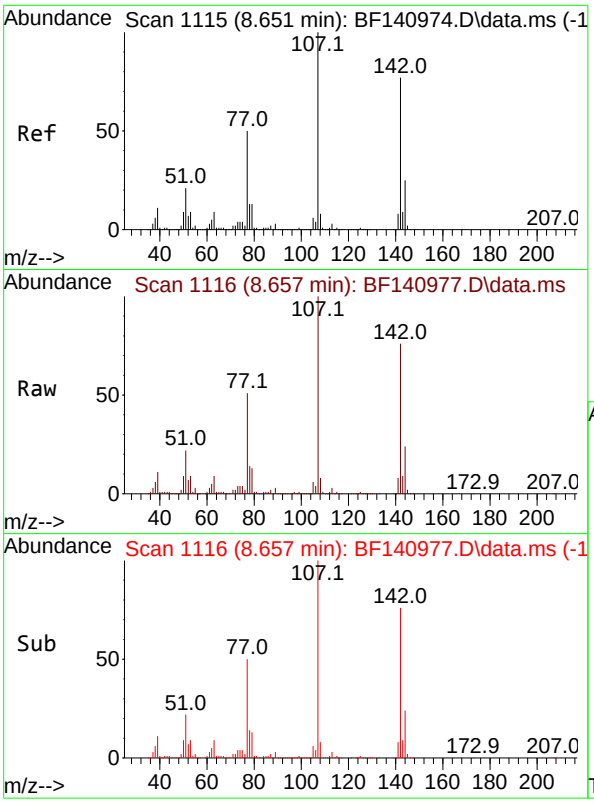


#35
Caprolactam
Concen: 78.800 ng
RT: 8.569 min Scan# 1101
Delta R.T. 0.024 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:113 Resp: 369167

Ion	Ratio	Lower	Upper
113	100		
55	176.9	156.6	196.6
56	131.2	111.7	151.7





#36
4-Chloro-3-methylphenol
Concen: 74.790 ng
RT: 8.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

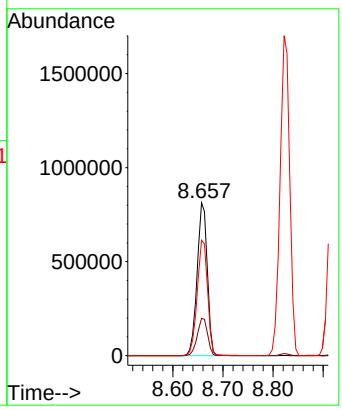
Tgt Ion:107 Resp: 114450

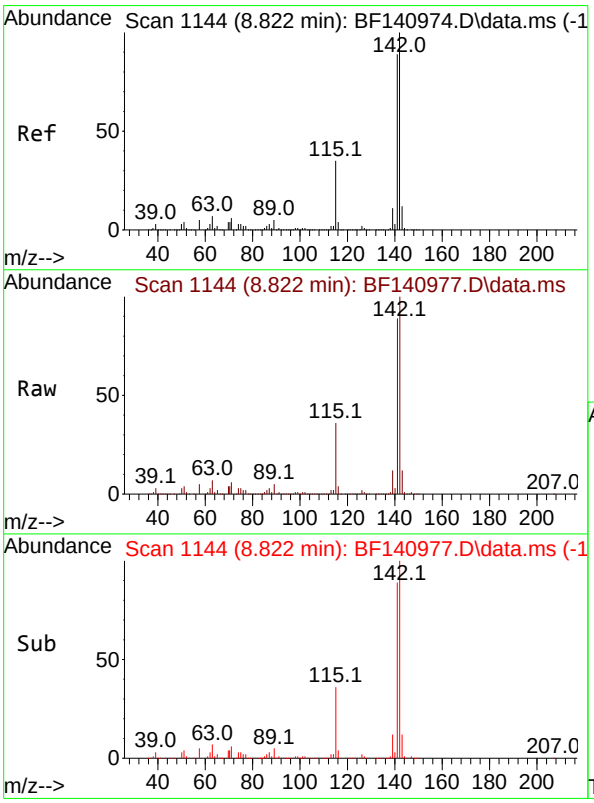
Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.9	29.9
142	75.6	61.8	92.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Supervised By :mohammad ahmed 12/27/2024

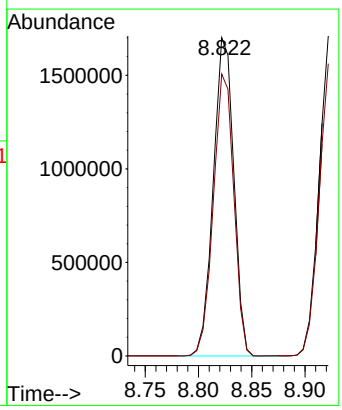


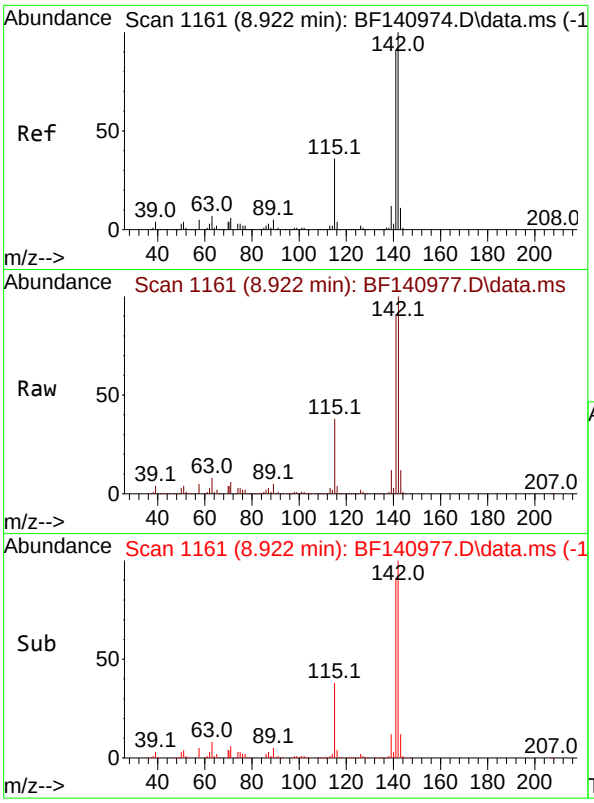


#37
2-Methylnaphthalene
Concen: 68.904 ng
RT: 8.822 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:142 Resp: 2270301

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.1	106.7





#38
1-Methylnaphthalene
Concen: 68.910 ng
RT: 8.922 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

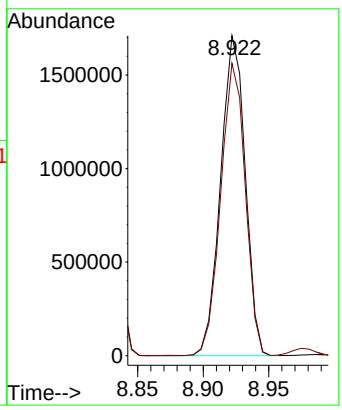
Tgt Ion:142 Resp: 223139

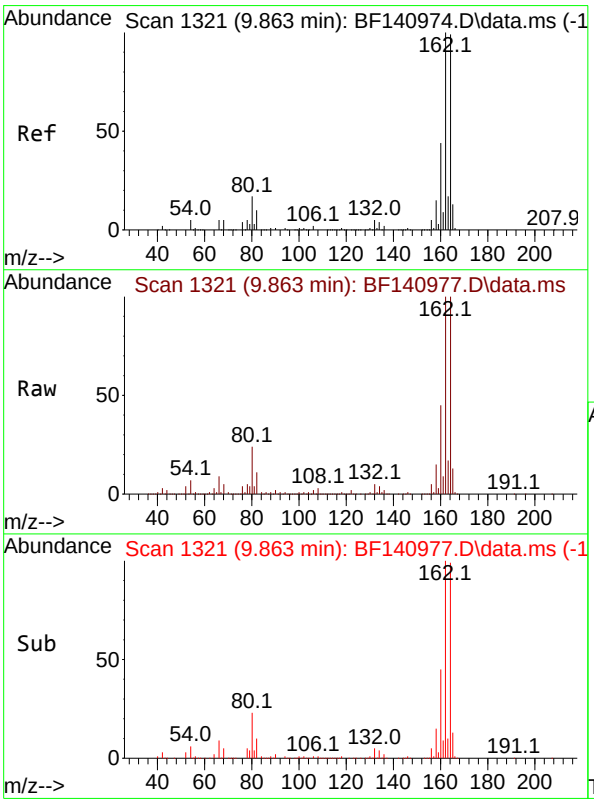
Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.7	109.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Supervised By :mohammad ahmed 12/27/2024

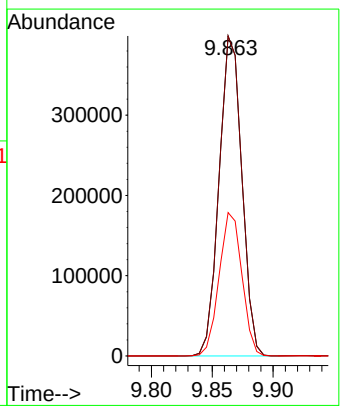


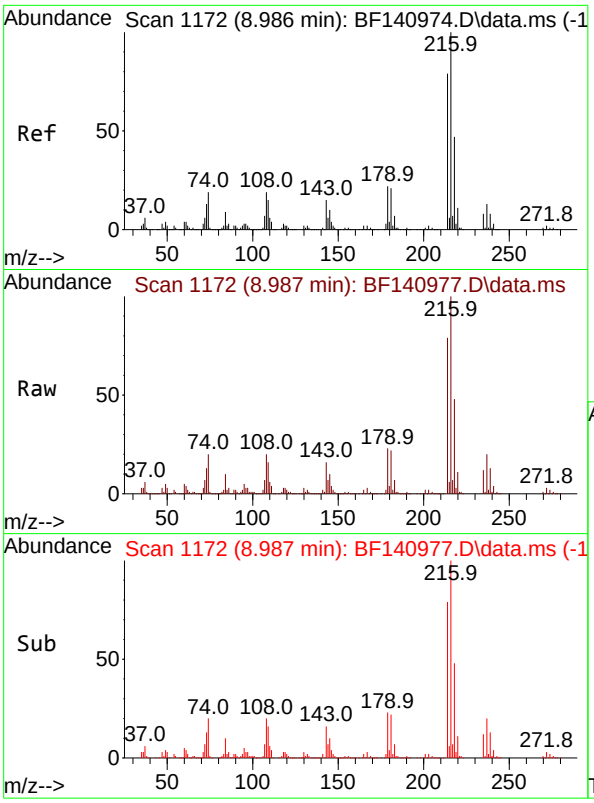


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:164 Resp: 517561

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	120.8
160	44.8	35.7	53.5





#40
1,2,4,5-Tetrachlorobenzene
Concen: 71.328 ng
RT: 8.987 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

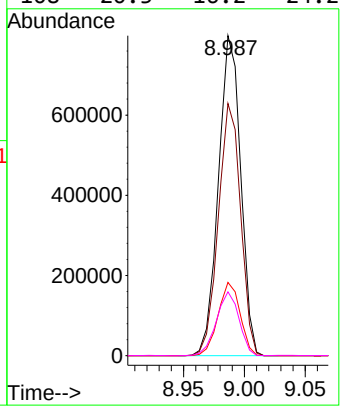
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

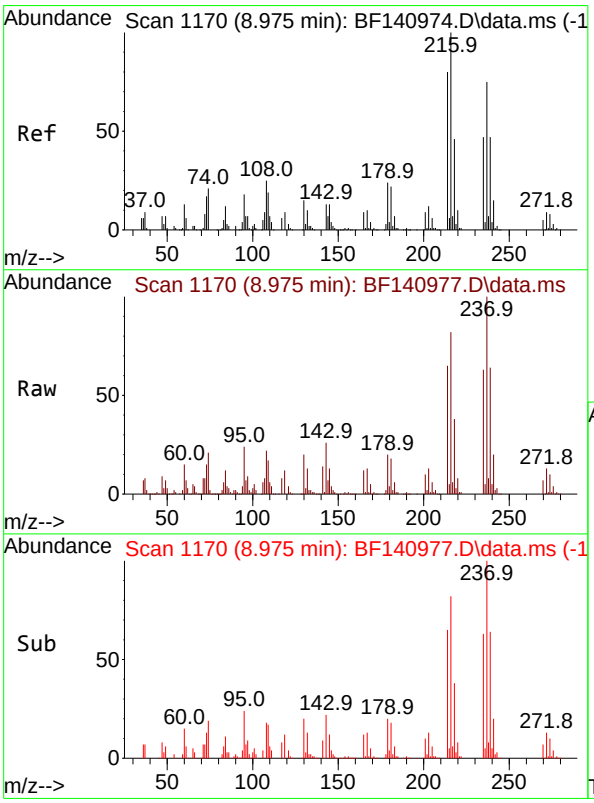
Tgt Ion:216 Resp: 101562

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.0	94.6
179	22.7	17.9	26.9
108	20.3	16.2	24.2

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Supervised By :mohammad ahmed 12/27/2024

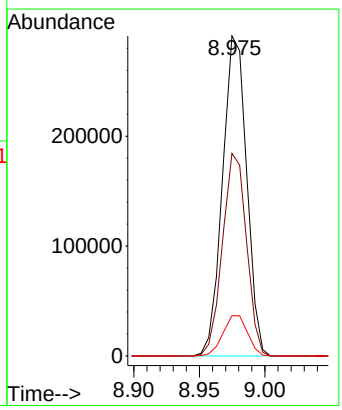


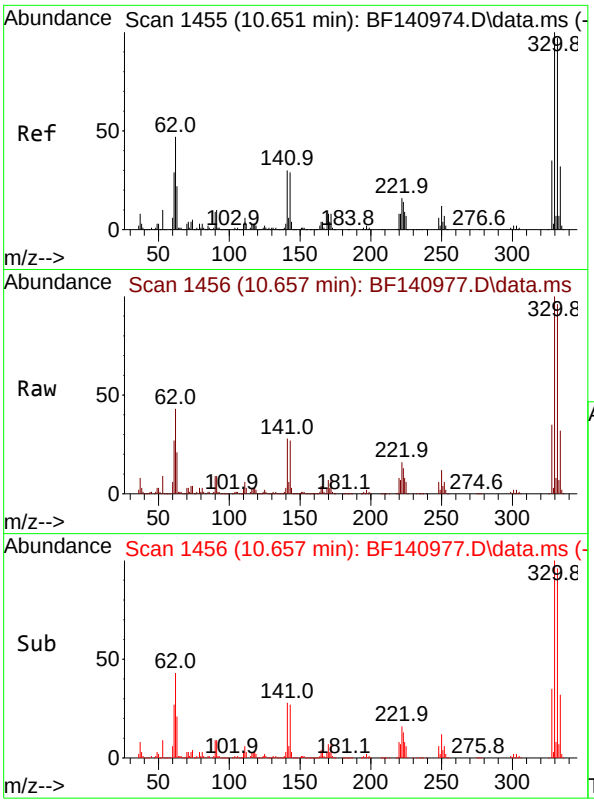


#41
Hexachlorocyclopentadiene
Concen: 79.096 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:237 Resp: 373217

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.4	83.4
272	12.6	0.0	32.6

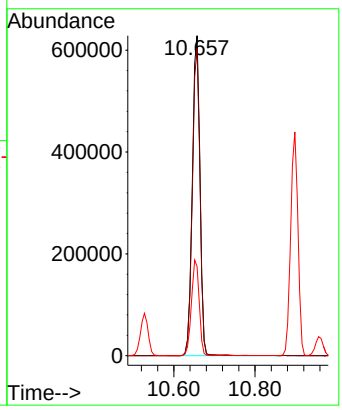




#42
2,4,6-Tribromophenol
Concen: 163.492 ng
RT: 10.657 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:330 Resp: 82223

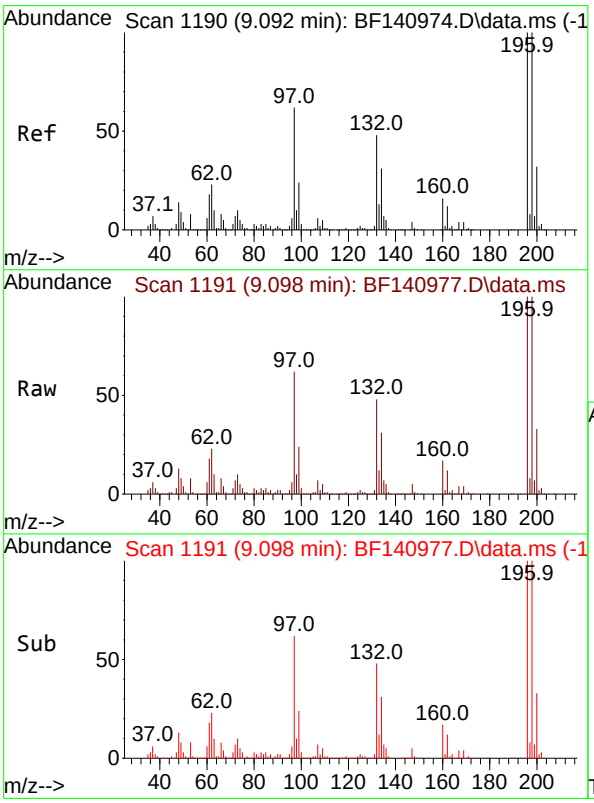
Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.0	117.0
141	30.3	26.4	39.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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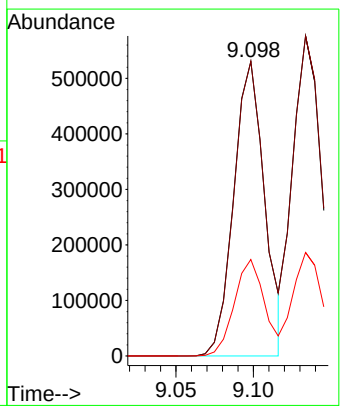
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

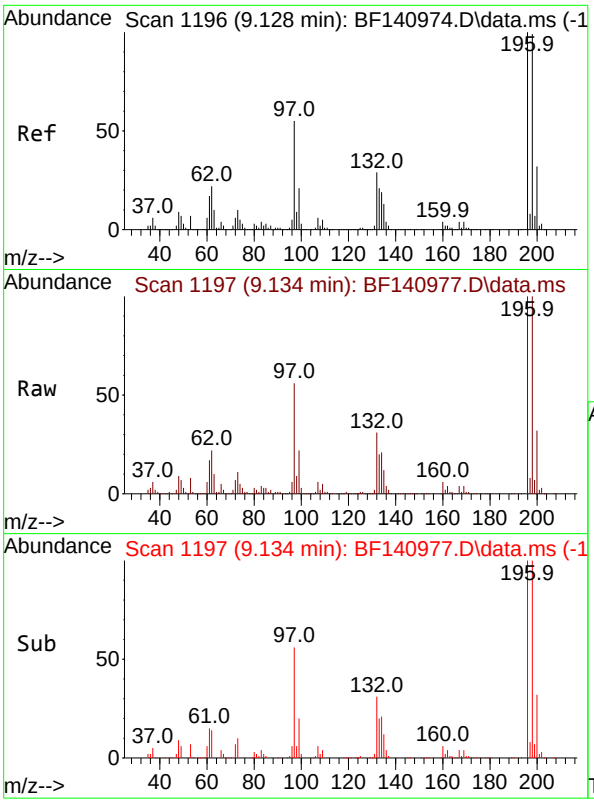


#43
2,4,6-Trichlorophenol
Concen: 77.418 ng
RT: 9.098 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:196 Resp: 733660

Ion	Ratio	Lower	Upper
196	100		
198	100.1	80.2	120.4
200	32.7	25.8	38.6

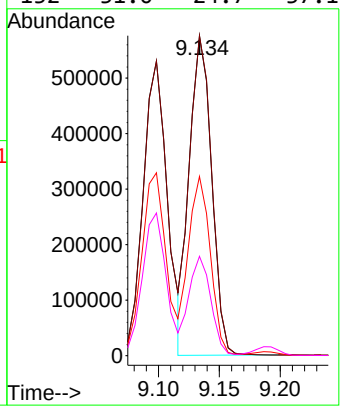




#44
2,4,5-Trichlorophenol
Concen: 75.868 ng
RT: 9.134 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:196 Resp: 73564

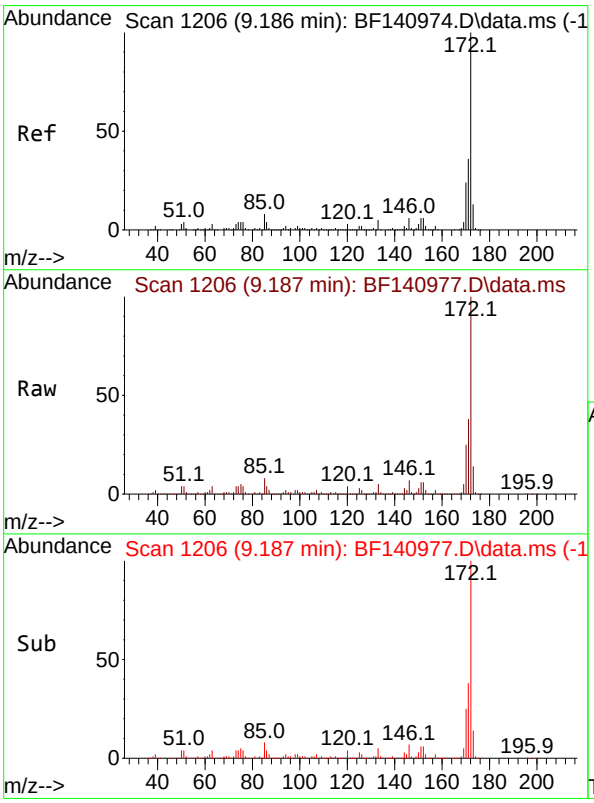
Ion	Ratio	Lower	Upper
196	100		
198	100.0	79.9	119.9
97	56.0	44.3	66.5
132	31.0	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

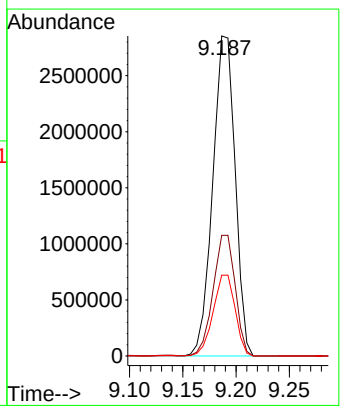
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

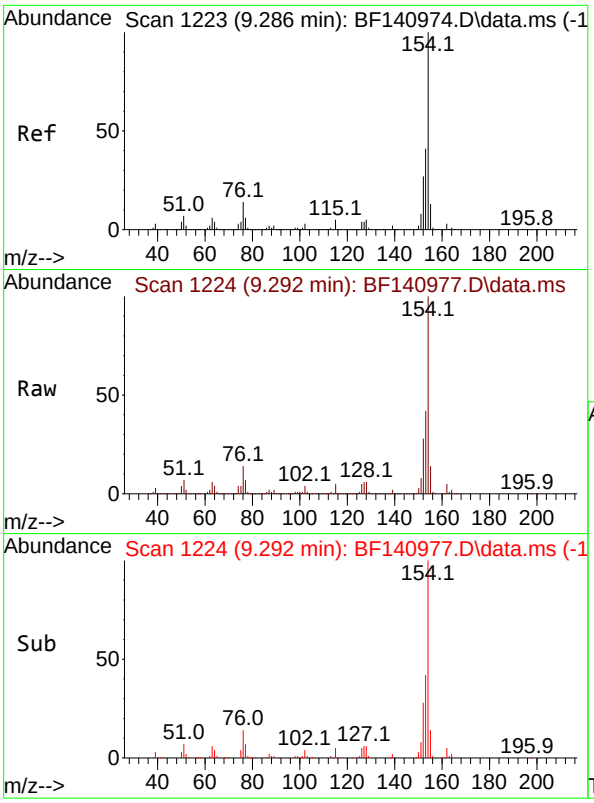


#45
2-Fluorobiphenyl
Concen: 128.248 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:172 Resp: 4166122

Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.0	43.4
170	25.2	19.6	29.4

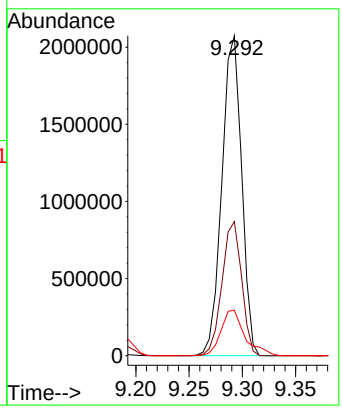




#46
1,1'-Biphenyl
Concen: 67.425 ng
RT: 9.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:154 Resp: 267199

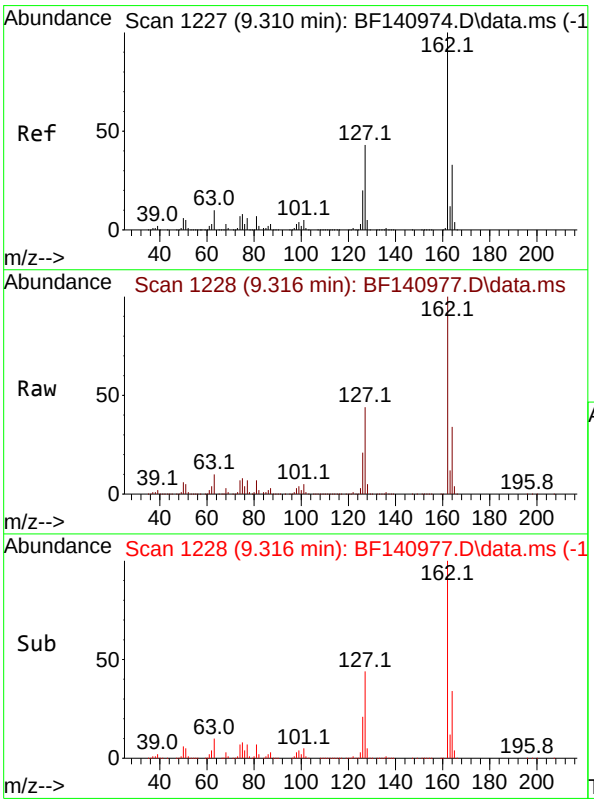
Ion	Ratio	Lower	Upper
154	100		
153	41.9	20.9	60.9
76	14.2	0.0	34.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

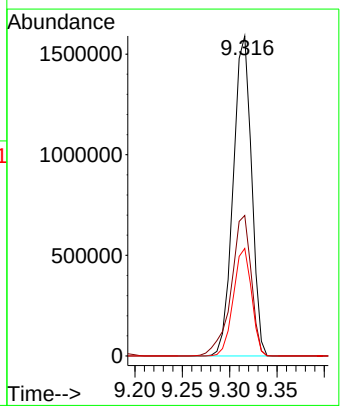
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

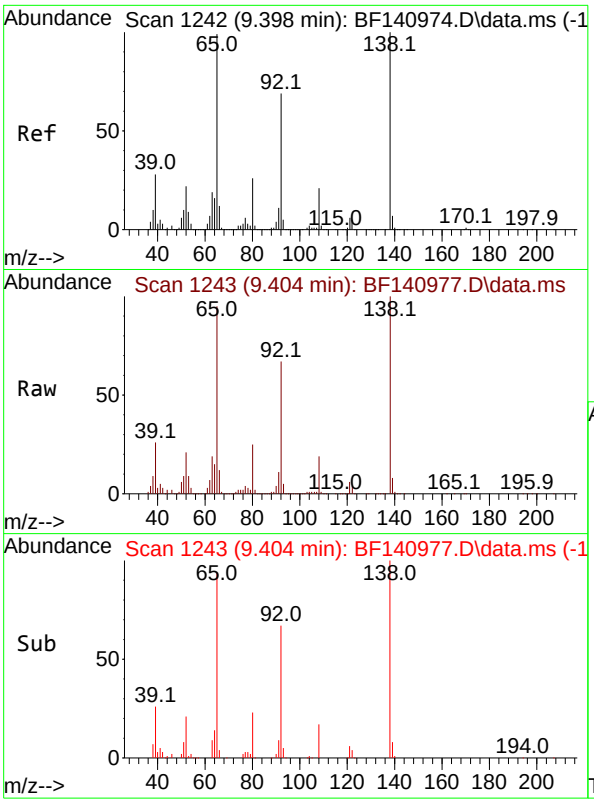


#47
2-Chloronaphthalene
Concen: 69.446 ng
RT: 9.316 min Scan# 1228
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:162 Resp: 2134444

Ion	Ratio	Lower	Upper
162	100		
127	43.9	34.2	51.4
164	33.6	26.6	40.0





#48
2-Nitroaniline
Concen: 80.177 ng
RT: 9.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

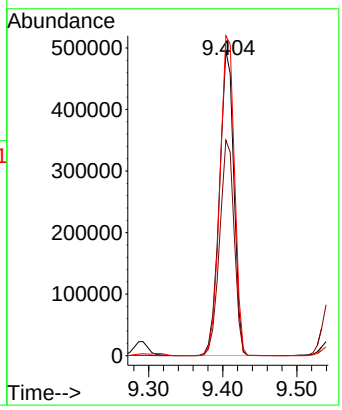
Tgt Ion: 65 Resp: 67237

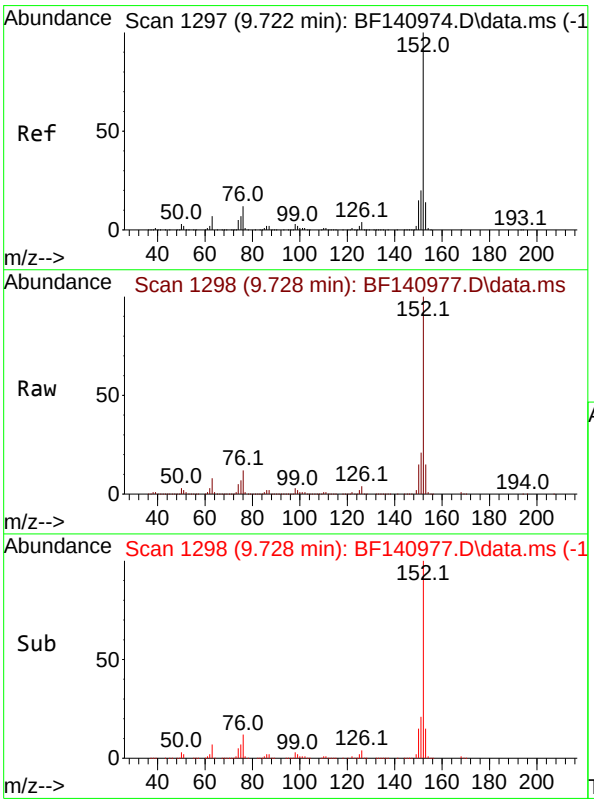
Ion	Ratio	Lower	Upper
65	100		
92	70.7	55.6	83.4
138	104.9	80.5	120.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

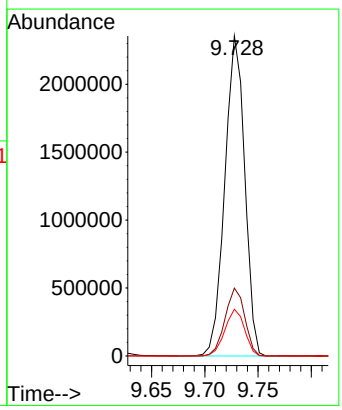


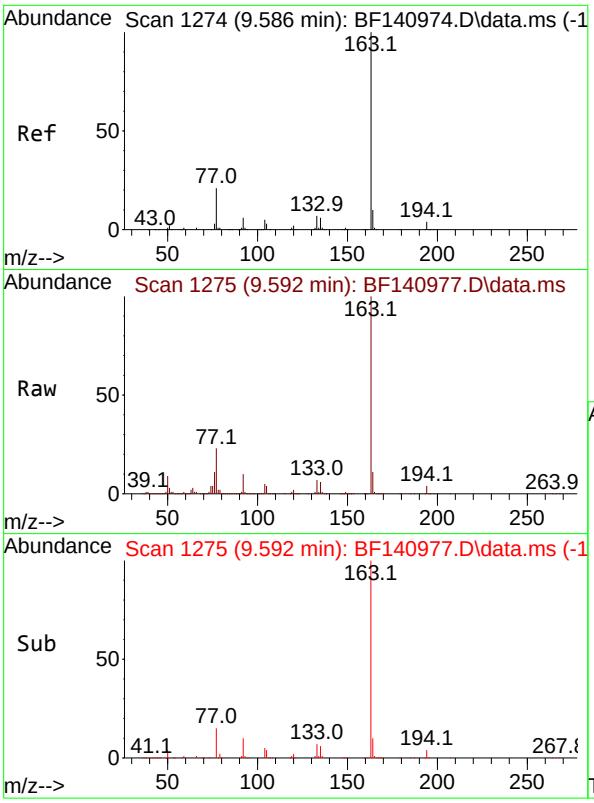


#49
Acenaphthylene
Concen: 69.133 ng
RT: 9.728 min Scan# 1298
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:152 Resp: 3058781

Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.2	24.4
153	14.6	11.4	17.0

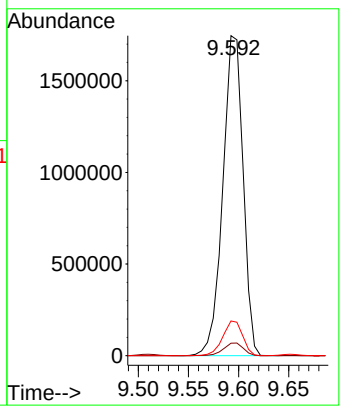




#50
Dimethylphthalate
Concen: 72.109 ng
RT: 9.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:163 Resp: 245484

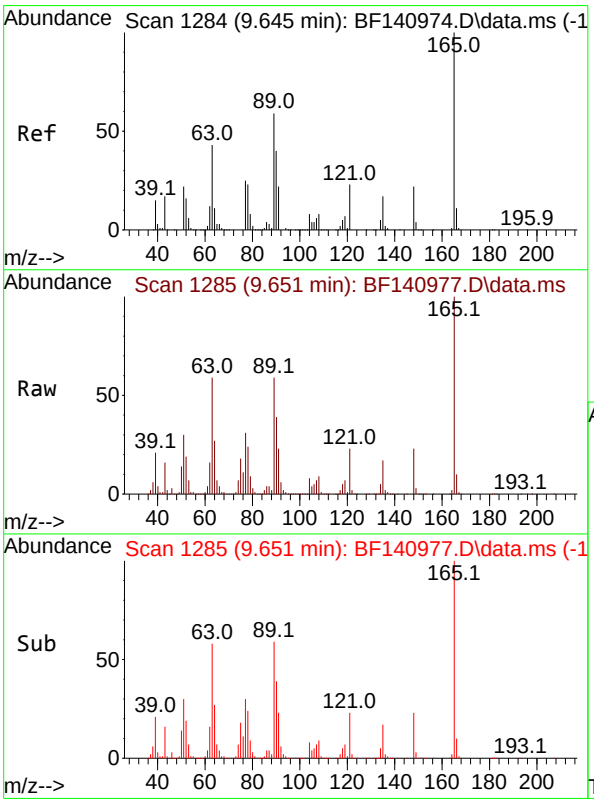
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.9	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

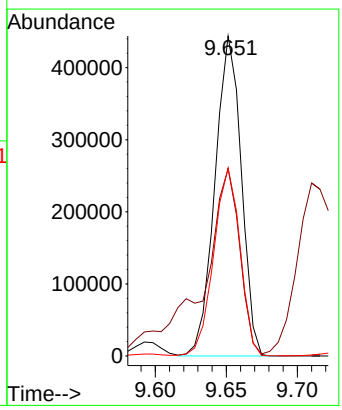
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

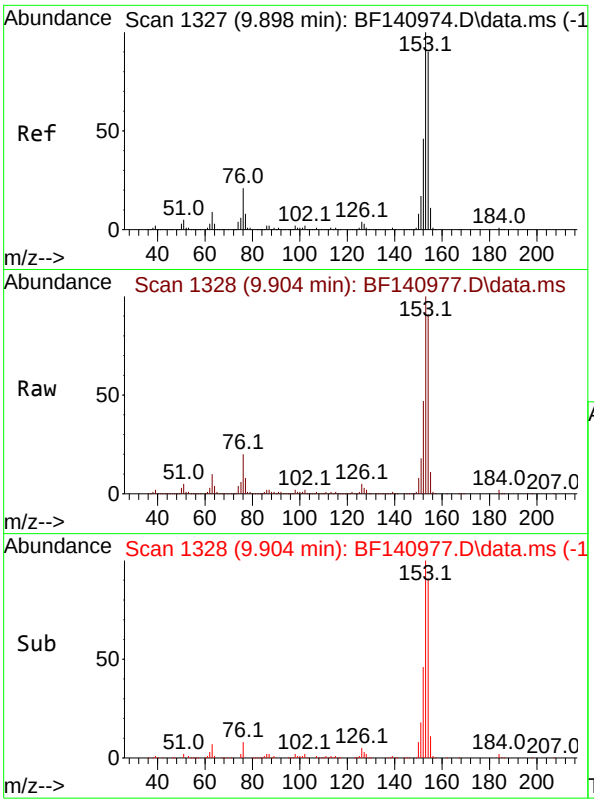


#51
2,6-Dinitrotoluene
Concen: 79.723 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:165 Resp: 571642

Ion	Ratio	Lower	Upper
165	100		
63	58.6	47.1	70.7
89	58.7	47.0	70.4

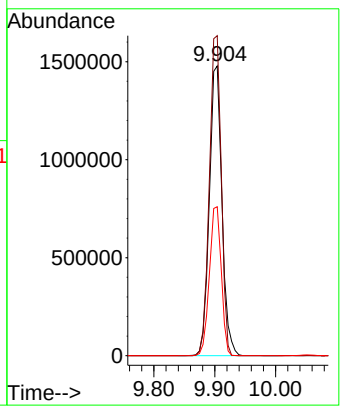




#52
Acenaphthene
Concen: 71.048 ng
RT: 9.904 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:154 Resp: 212517

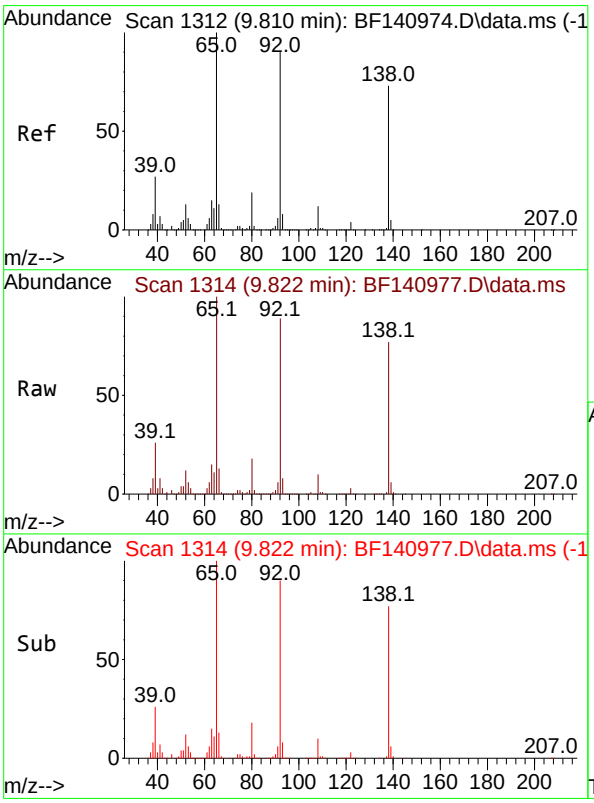
Ion	Ratio	Lower	Upper
154	100		
153	110.5	89.2	133.8
152	51.4	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

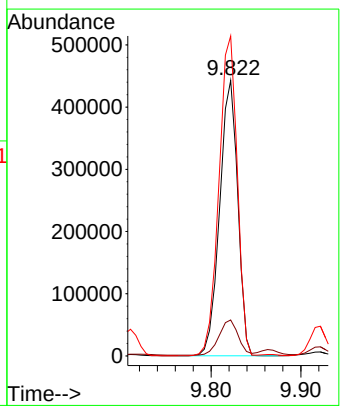
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

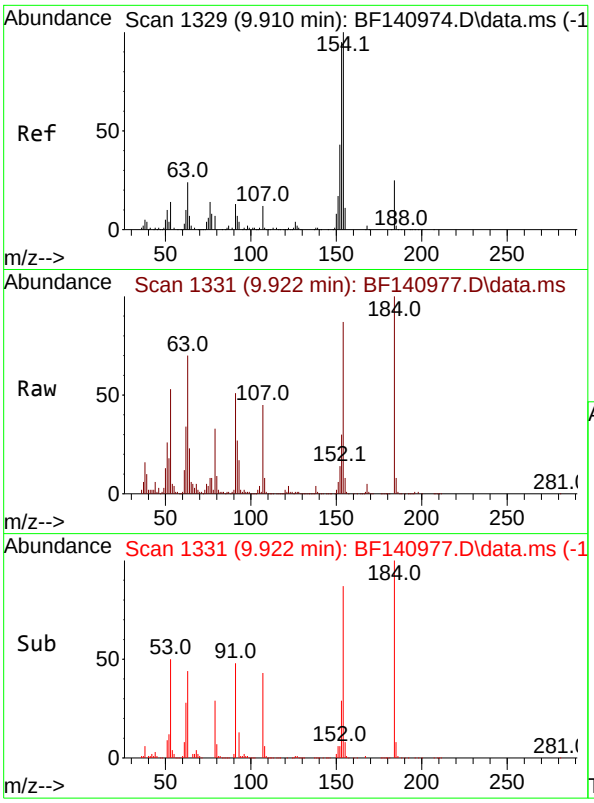


#53
3-Nitroaniline
Concen: 79.606 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:138 Resp: 618458

Ion	Ratio	Lower	Upper
138	100		
108	13.0	13.5	20.3#
92	116.1	97.7	146.5

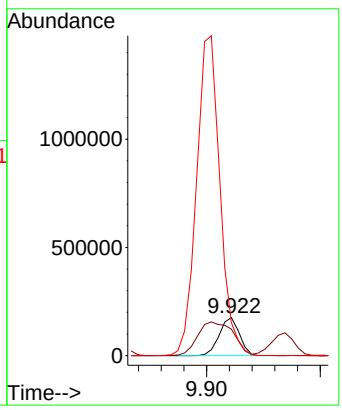




#54
2,4-Dinitrophenol
Concen: 79.264 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:184 Resp: 21748

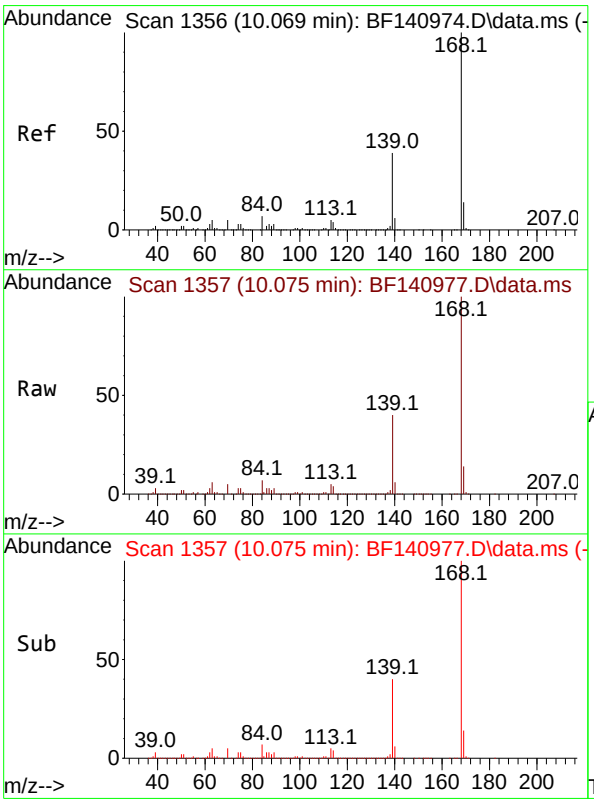
Ion	Ratio	Lower	Upper
184	100		
63	69.9	81.6	122.4#
154	87.2	363.5	545.3#



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

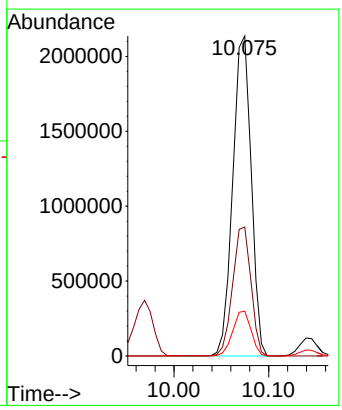
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

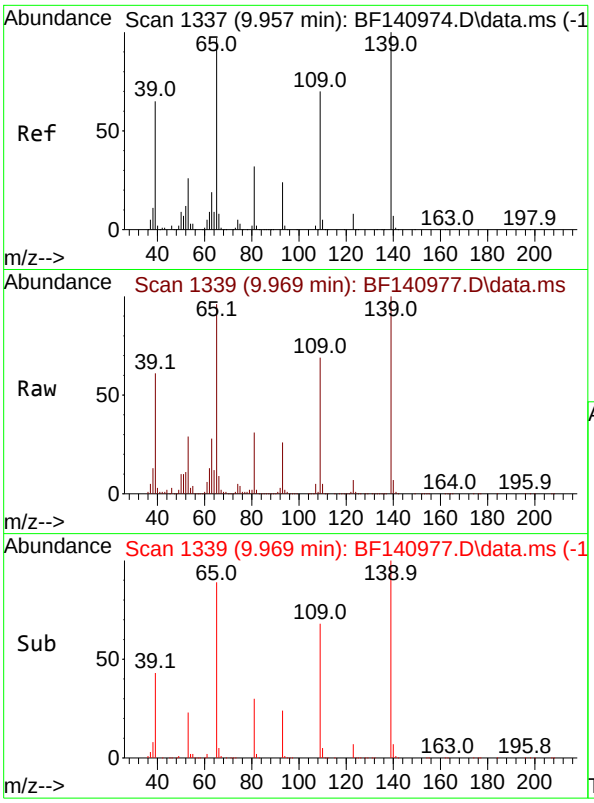


#55
Dibenzofuran
Concen: 68.424 ng
RT: 10.075 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:168 Resp: 2876315

Ion	Ratio	Lower	Upper
168	100		
139	40.3	31.6	47.4
169	14.0	11.0	16.6





#56
4-Nitrophenol
Concen: 89.372 ng
RT: 9.969 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

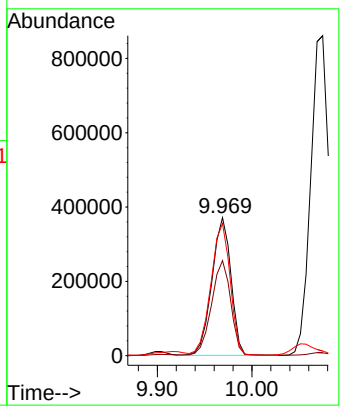
Tgt Ion:139 Resp: 52045

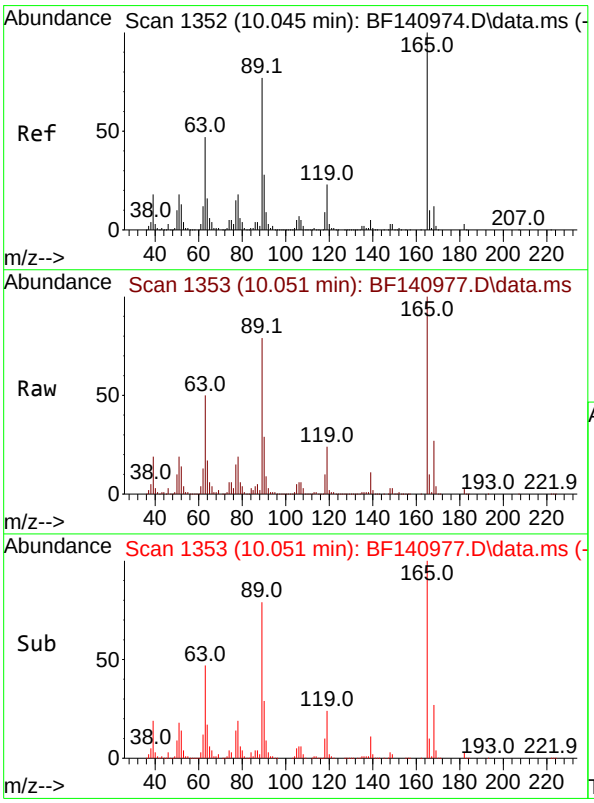
Ion	Ratio	Lower	Upper
139	100		
109	68.8	50.8	90.8
65	95.6	78.5	118.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

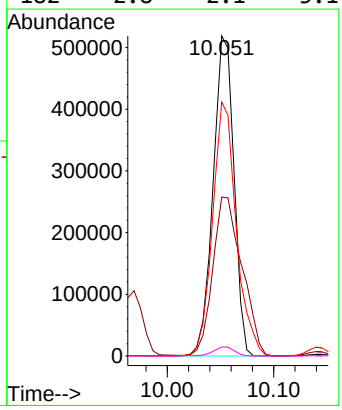


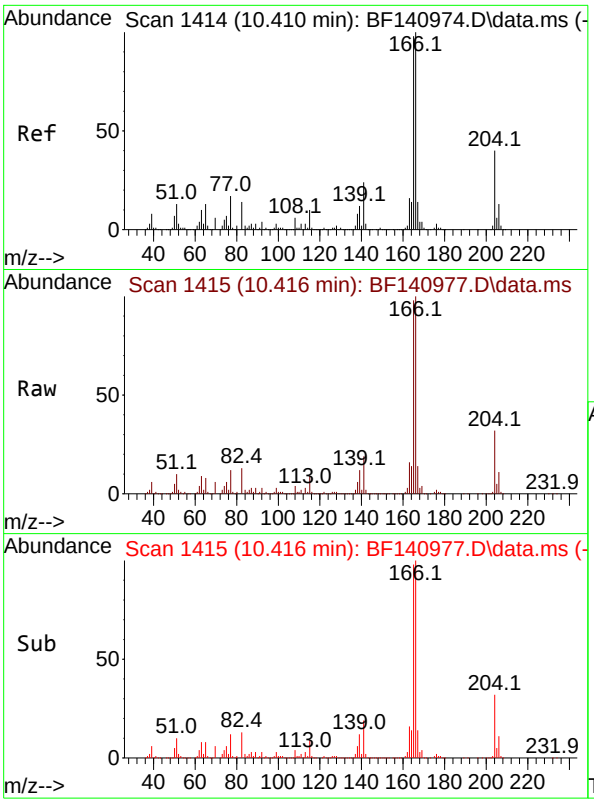


#57
2,4-Dinitrotoluene
Concen: 79.614 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:165 Resp: 704156

Ion	Ratio	Lower	Upper
165	100		
63	49.6	38.1	57.1
89	79.3	61.4	92.2
182	2.8	2.1	3.1

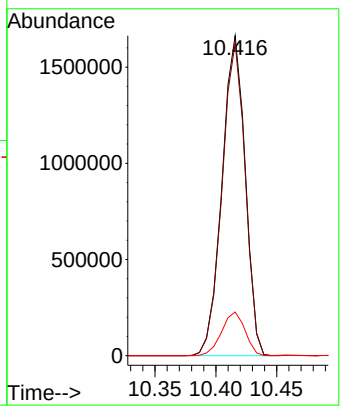




#58
Fluorene
Concen: 67.635 ng
RT: 10.416 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:166 Resp: 220469

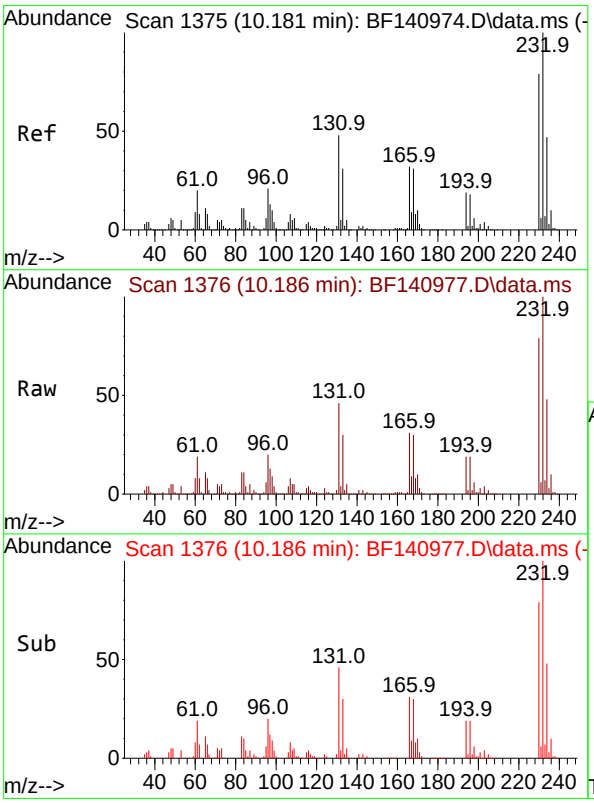
Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.3	117.5
167	13.7	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

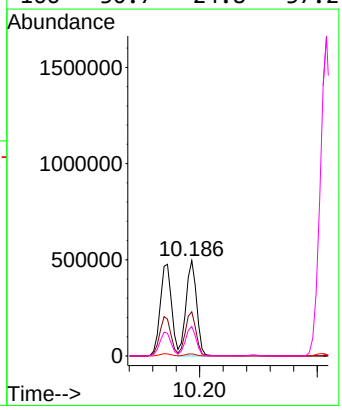
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

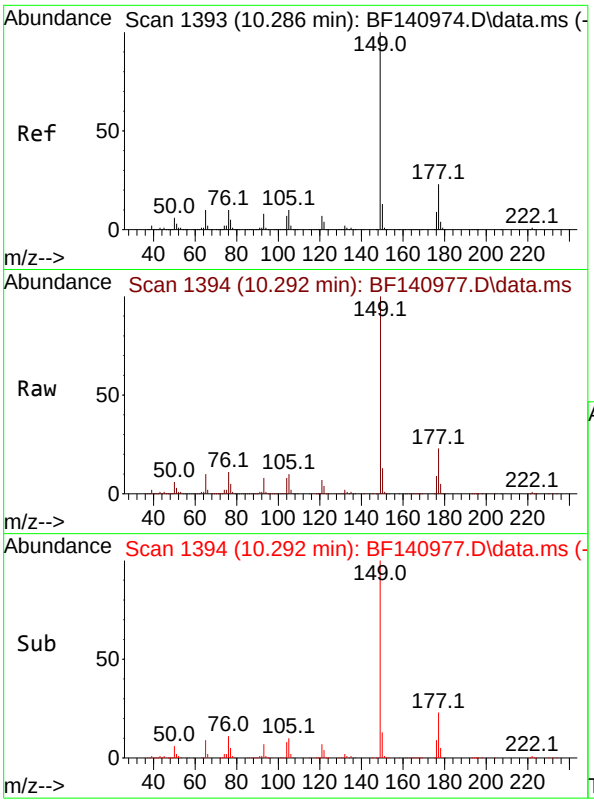


#59
2,3,4,6-Tetrachlorophenol
Concen: 77.824 ng
RT: 10.186 min Scan# 1376
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:232 Resp: 624965

Ion	Ratio	Lower	Upper
232	100		
131	46.4	37.4	56.2
130	2.3	1.8	2.8
166	30.7	24.8	37.2

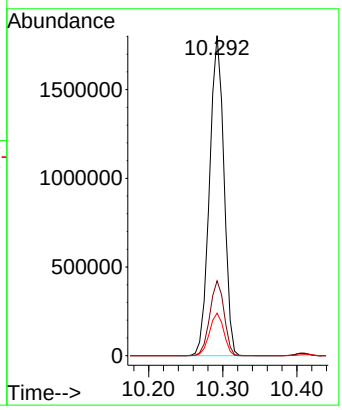




#60
Diethylphthalate
Concen: 72.349 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:149 Resp: 243154

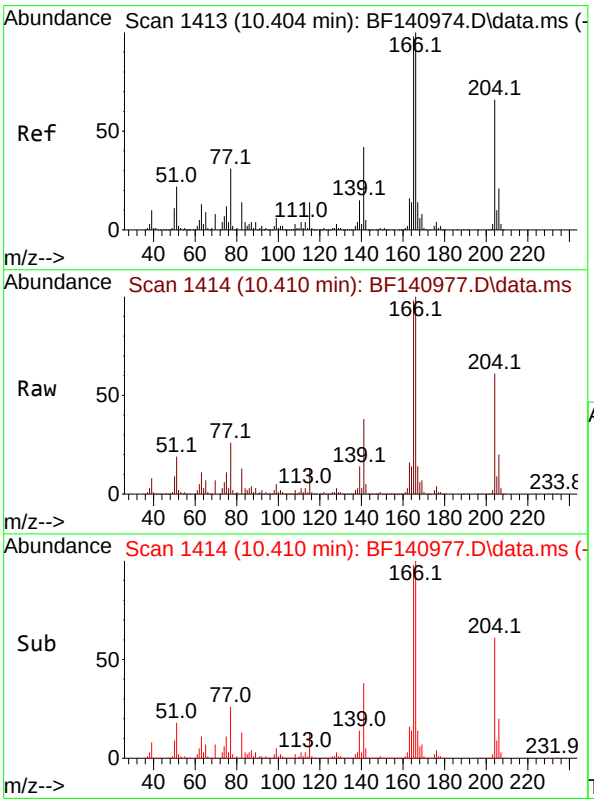
Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.3	27.5
150	13.3	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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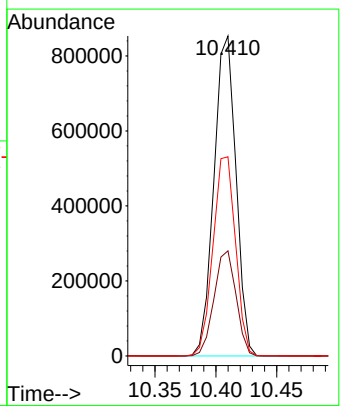
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

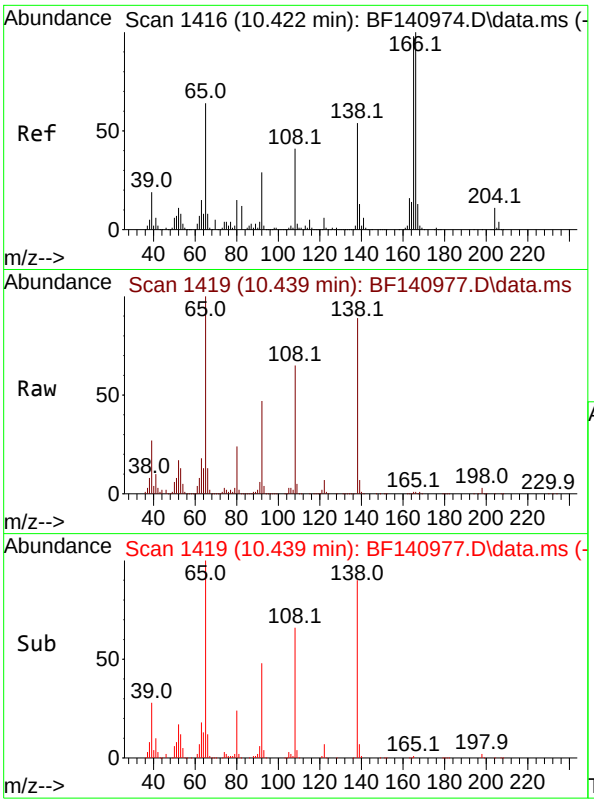


#61
4-Chlorophenyl-phenylether
Concen: 68.724 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:204 Resp: 1077930

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.8	38.6
141	62.2	51.2	76.8





#62
4-Nitroaniline
Concen: 80.074 ng
RT: 10.439 min Scan# 14
Delta R.T. 0.017 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

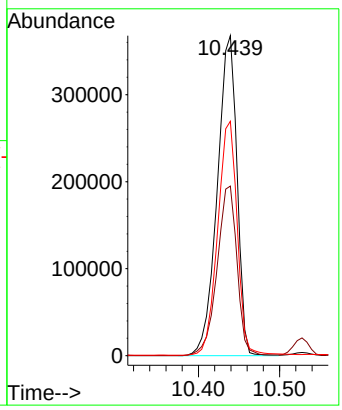
Tgt Ion:138 Resp: 62211

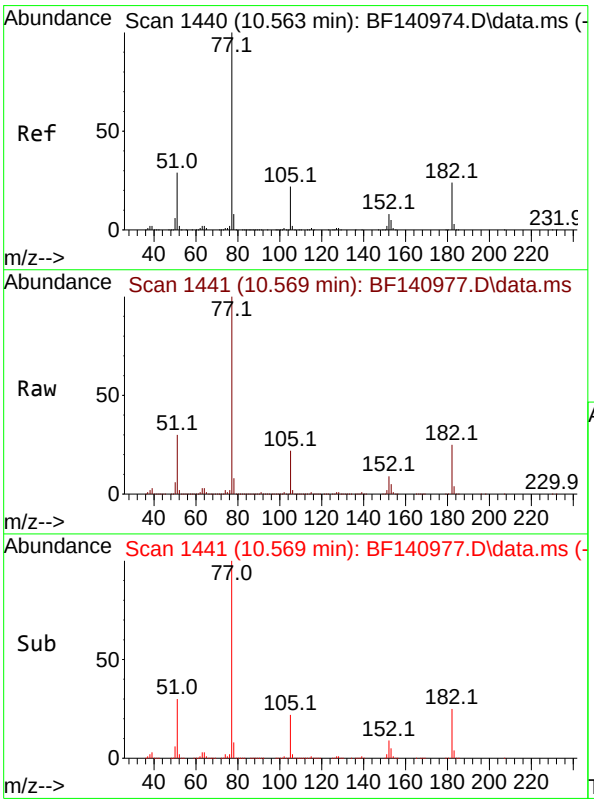
Ion	Ratio	Lower	Upper
138	100		
92	53.0	34.8	74.8
108	73.2	55.9	95.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

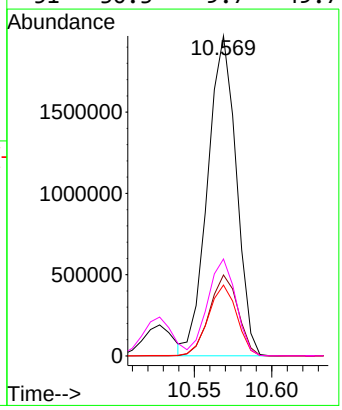


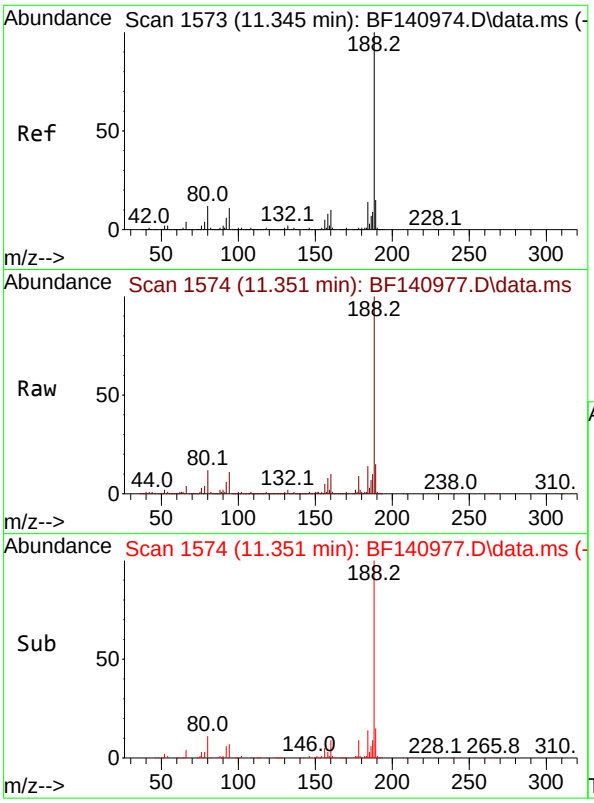


#63
Azobenzene
Concen: 71.600 ng
RT: 10.569 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 77 Resp: 2525786

Ion	Ratio	Lower	Upper
77	100		
182	25.3	4.1	44.1
105	22.2	1.8	41.8
51	30.3	9.7	49.7

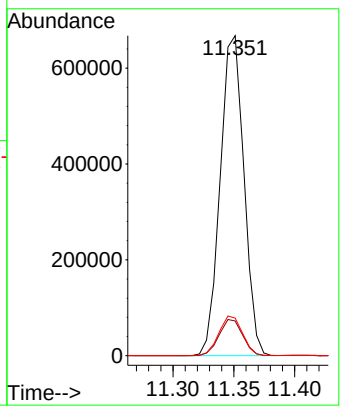




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:188 Resp: 90597

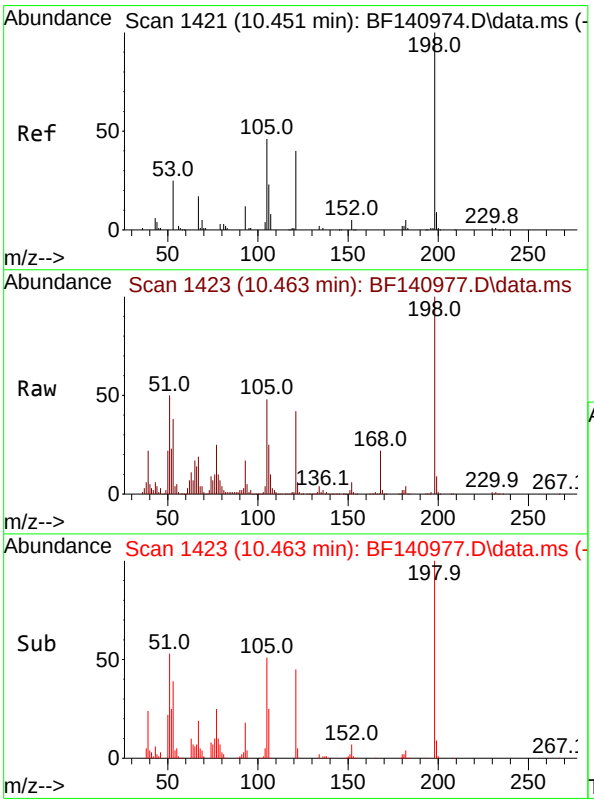
Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.0	13.6
80	11.7	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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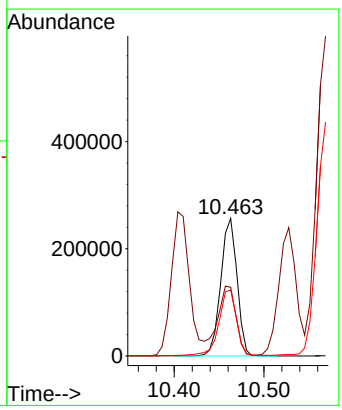
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

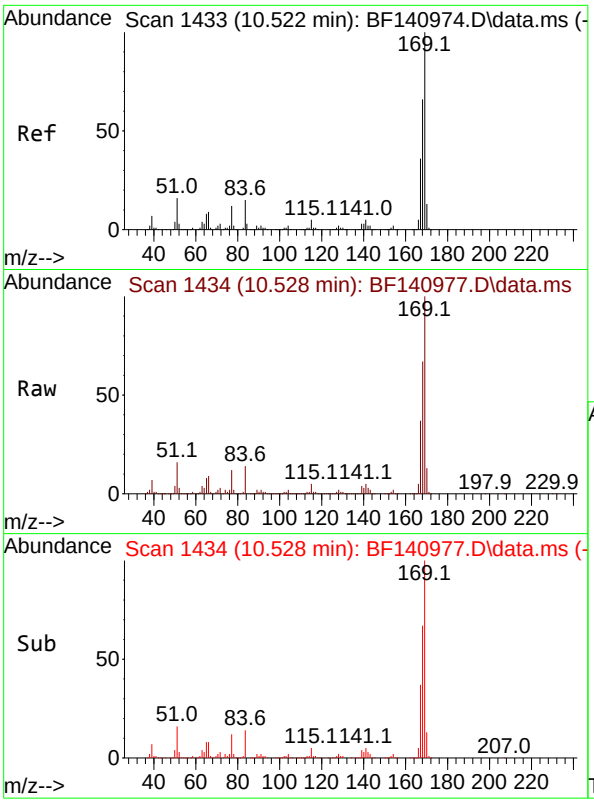


#65
4,6-Dinitro-2-methylphenol
Concen: 81.463 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:198 Resp: 323476

Ion	Ratio	Lower	Upper
198	100		
51	49.9	32.3	72.3
105	48.0	28.4	68.4

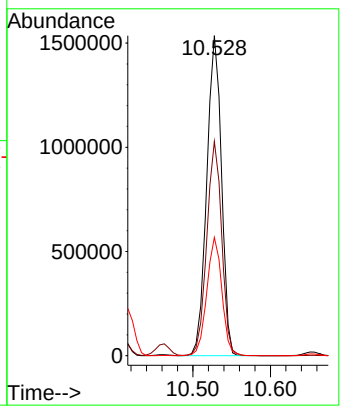




#66
n-Nitrosodiphenylamine
Concen: 70.890 ng
RT: 10.528 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:169 Resp: 202241

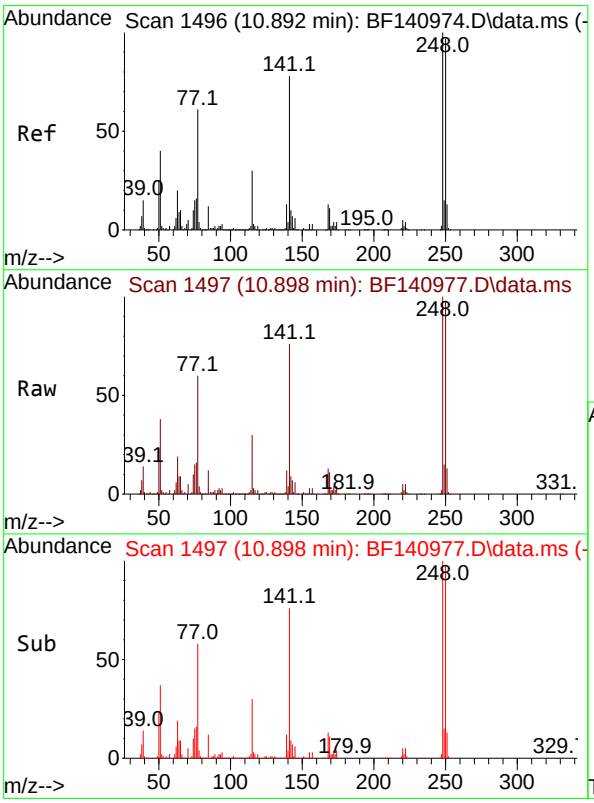
Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.6	79.0
167	36.9	29.0	43.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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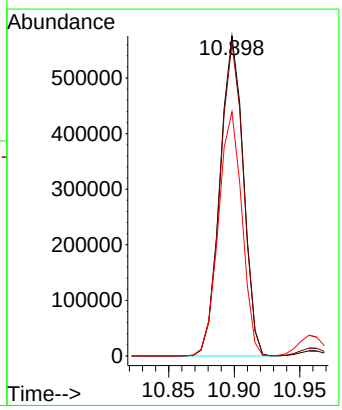
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

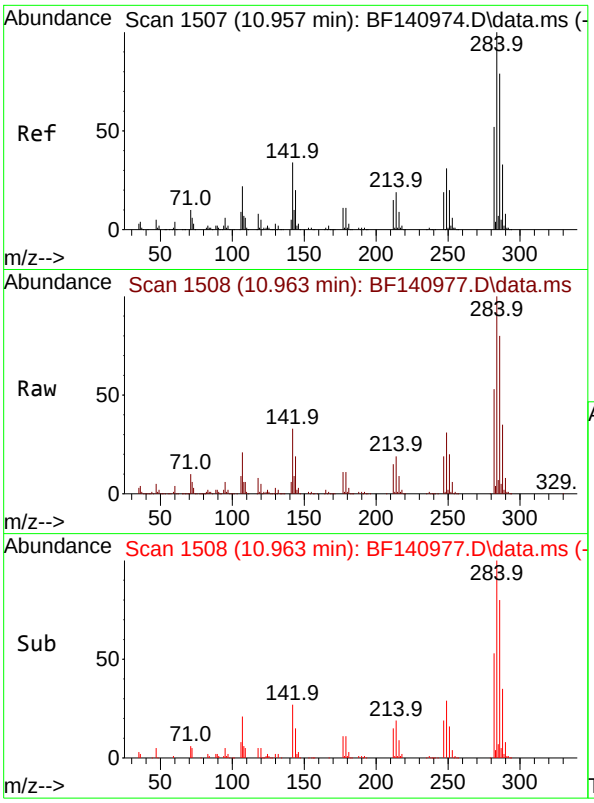


#67
4-Bromophenyl-phenylether
Concen: 72.884 ng
RT: 10.898 min Scan# 1497
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:248 Resp: 713807

Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.7	116.5
141	76.3	62.1	93.1





#68
Hexachlorobenzene
Concen: 73.971 ng
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

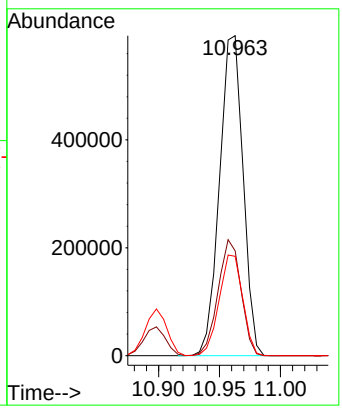
Tgt Ion:284 Resp: 79882

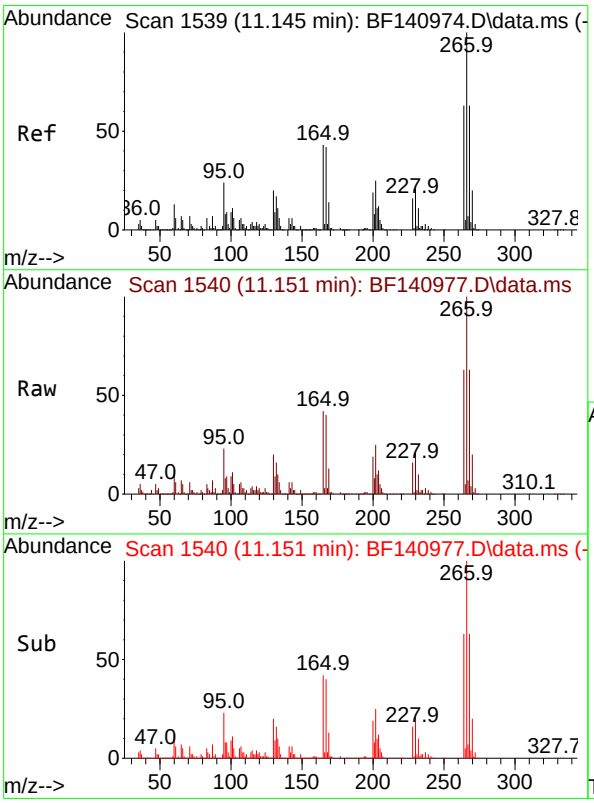
Ion	Ratio	Lower	Upper
284	100		
142	32.8	27.1	40.7
249	31.0	25.1	37.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

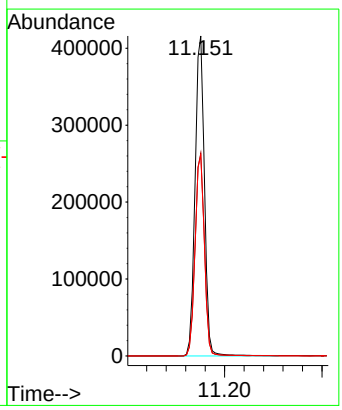


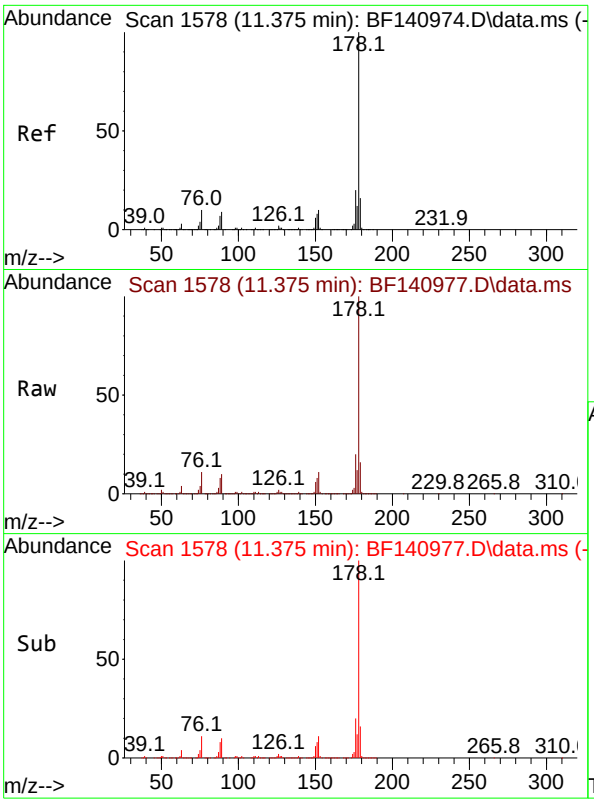


#70
Pentachlorophenol
Concen: 83.248 ng
RT: 11.151 min Scan# 1540
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:266 Resp: 559728

Ion	Ratio	Lower	Upper
266	100		
268	63.3	50.5	75.7
264	62.9	50.2	75.4

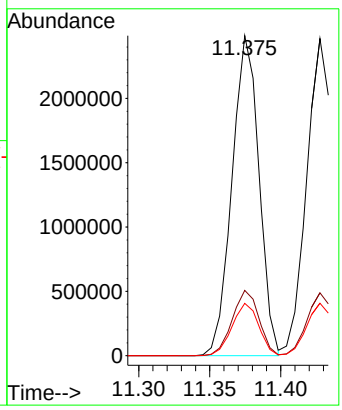




#71
Phenanthrene
Concen: 68.921 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:178 Resp: 328628

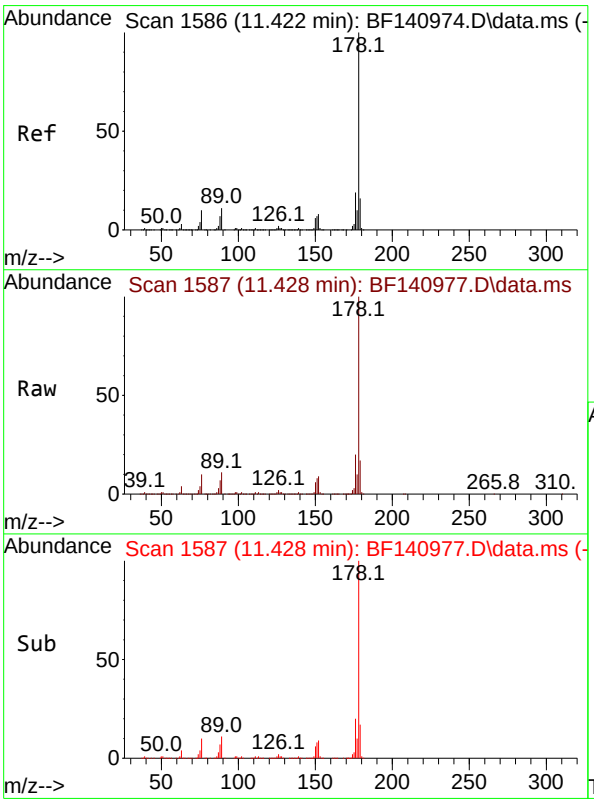
Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.6
179	16.4	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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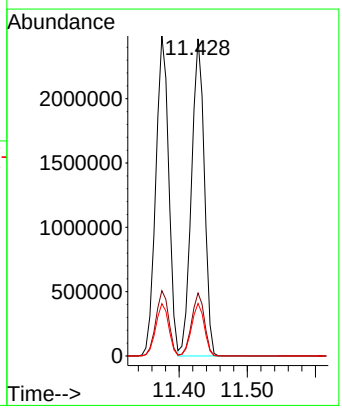
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

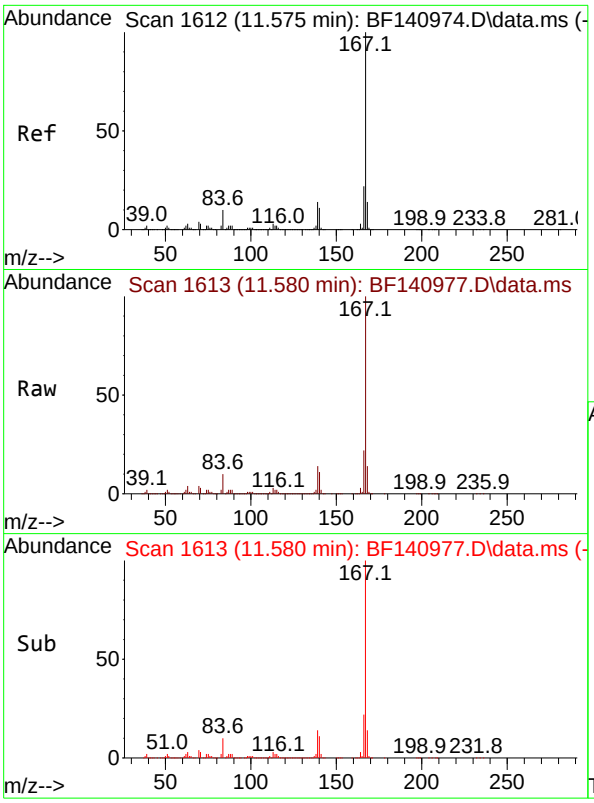


#72
Anthracene
Concen: 68.578 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:178 Resp: 3204142

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.3	22.9
179	16.6	12.9	19.3

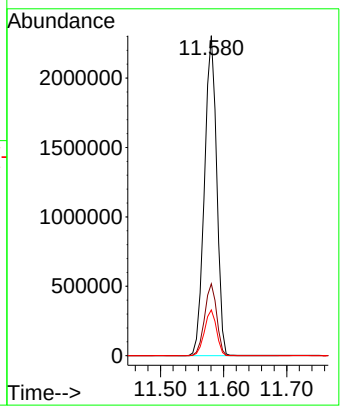




#73
Carbazole
Concen: 69.118 ng
RT: 11.580 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:167 Resp: 310446(

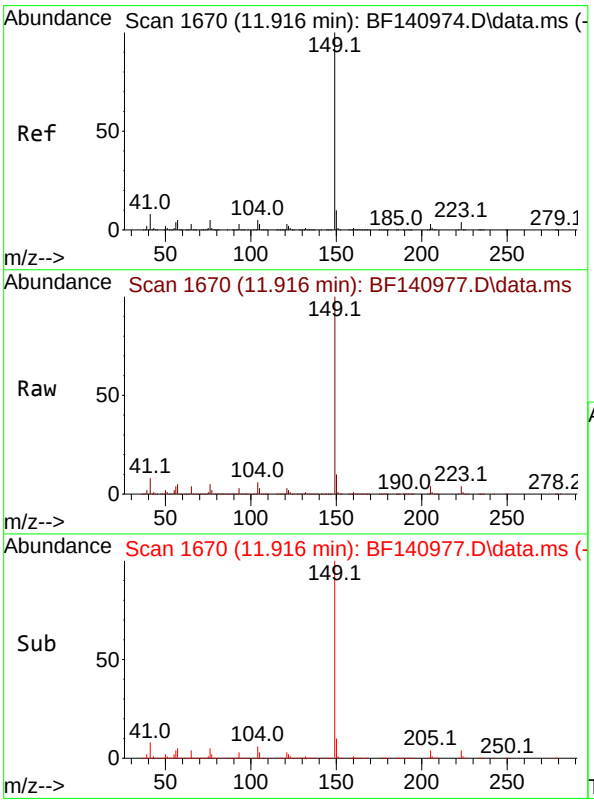
Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.5	26.3
139	14.3	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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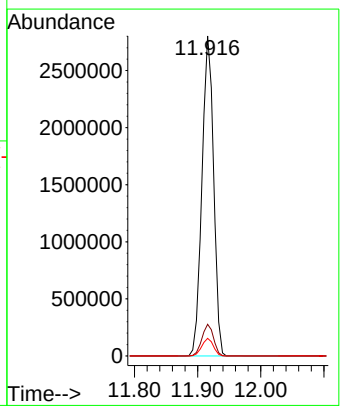
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

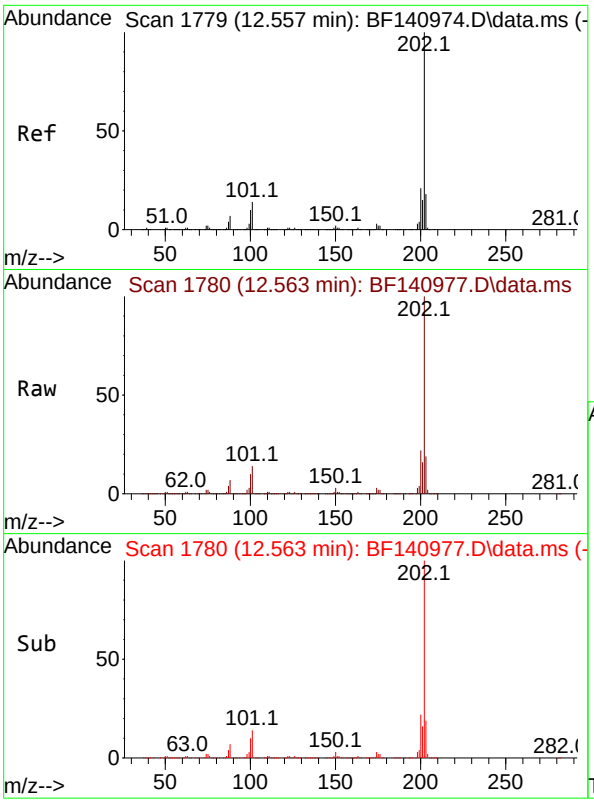


#74
Di-n-butylphthalate
Concen: 70.229 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:149 Resp: 3587776

Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.7	11.5
104	5.5	4.1	6.1

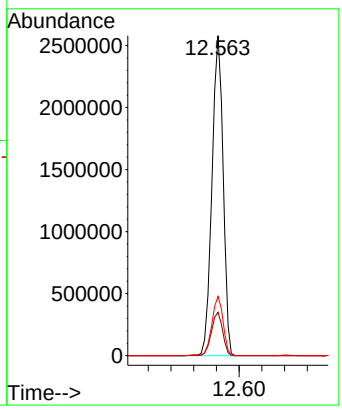




#75
Fluoranthene
Concen: 67.687 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:202 Resp: 350037

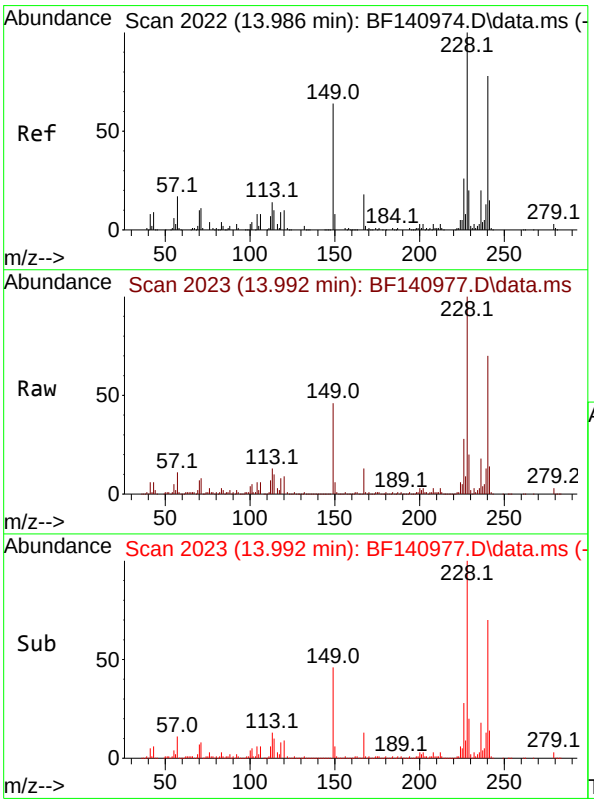
Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.7
203	18.6	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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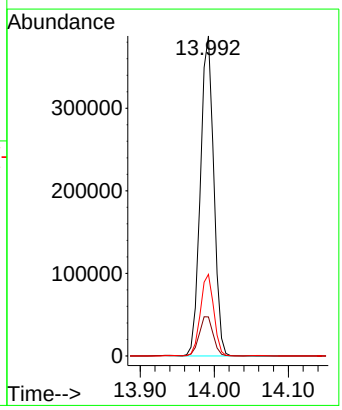
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

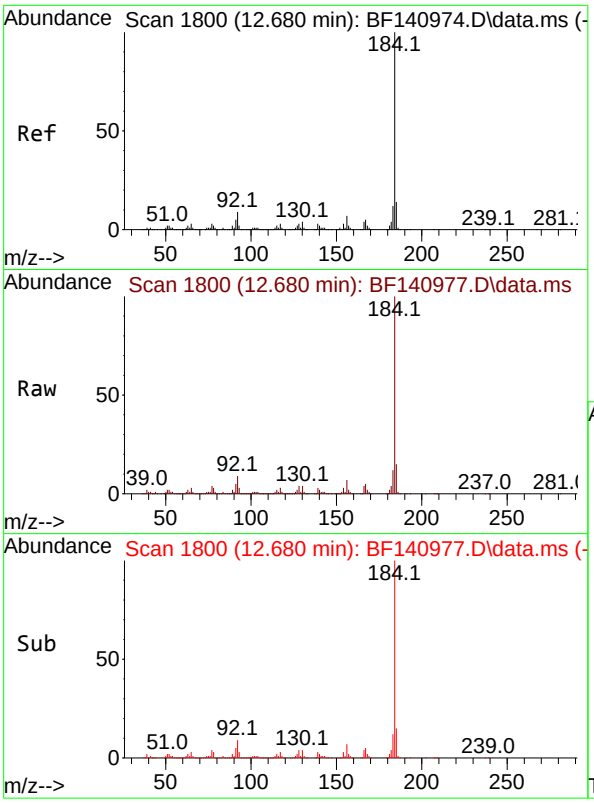


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:240 Resp: 487461

Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.7	16.1
236	25.5	20.6	31.0

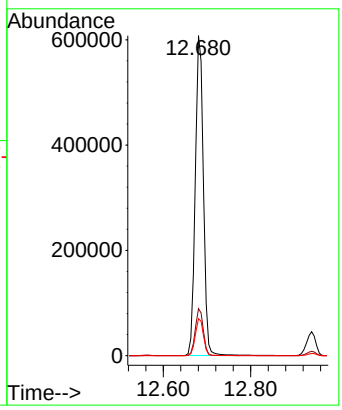




#77
Benzidine
Concen: 76.072 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:184 Resp: 78369

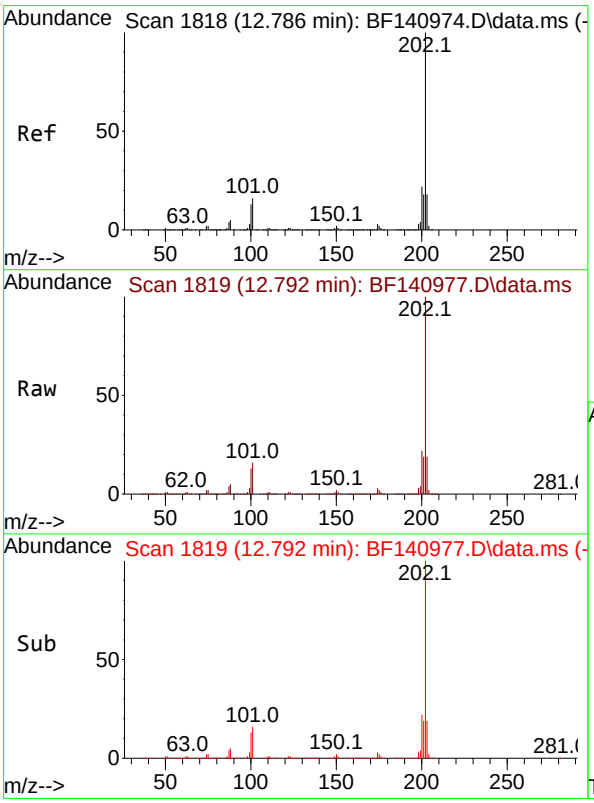
Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.4	17.2
183	11.6	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

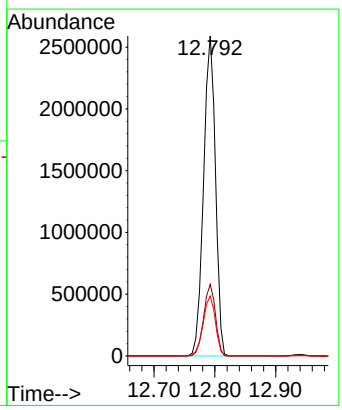
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

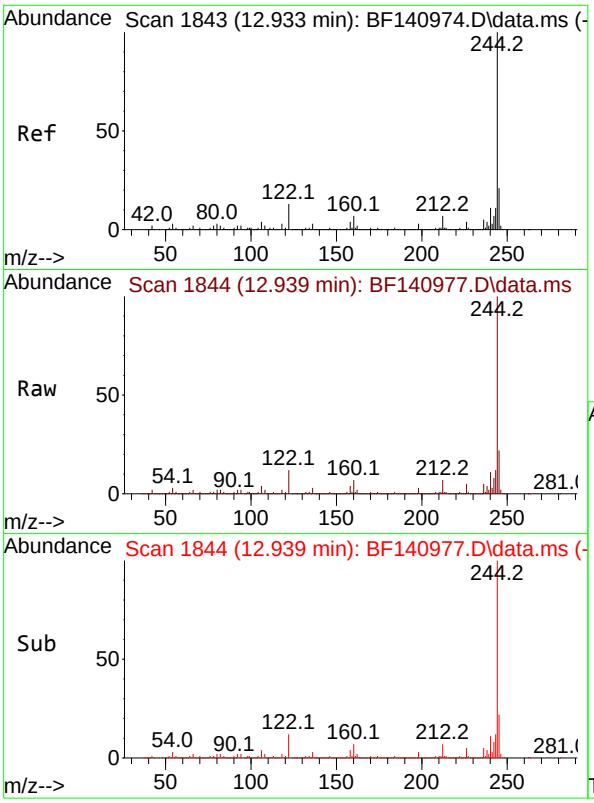


#78
Pyrene
Concen: 82.441 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:202 Resp: 3514654

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.3	25.9
203	18.8	14.6	21.8

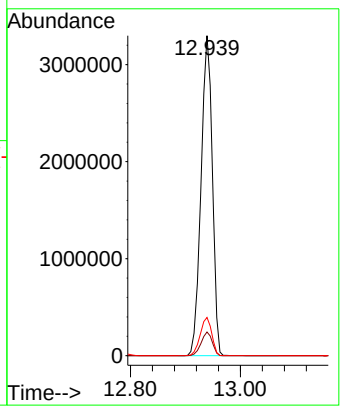




#79
Terphenyl-d14
Concen: 160.683 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:244 Resp: 471564

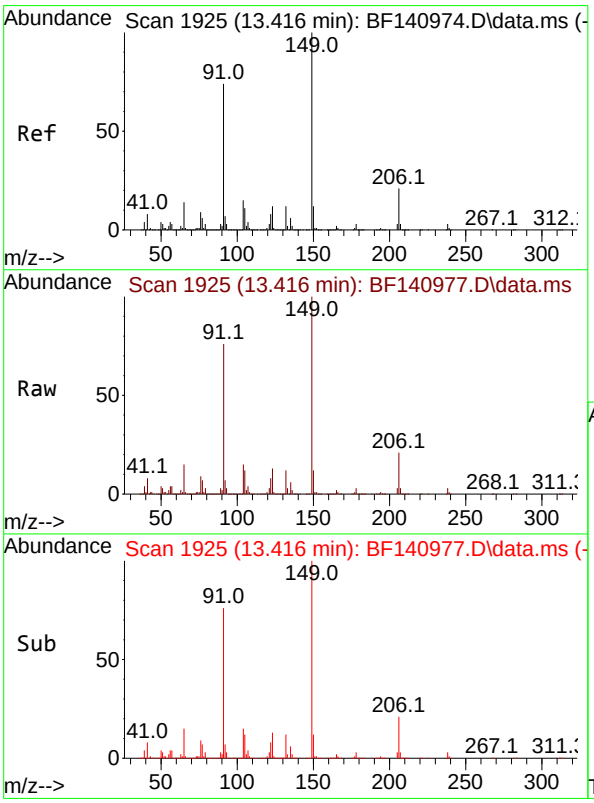
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.7	8.5
122	12.0	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

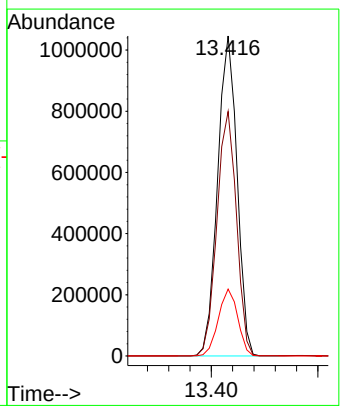
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

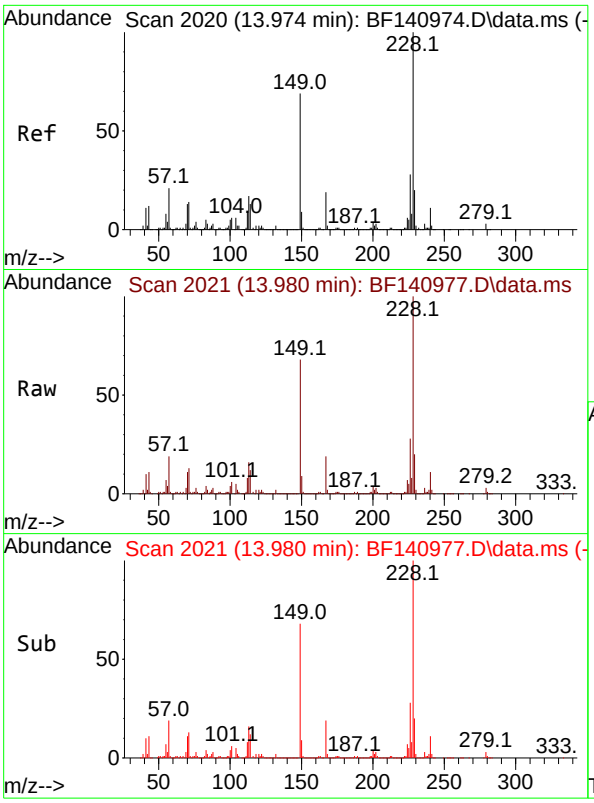


#80
Butylbenzylphthalate
Concen: 85.018 ng
RT: 13.416 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:149 Resp: 1323506

Ion	Ratio	Lower	Upper
149	100		
91	76.4	59.5	89.3
206	20.9	17.1	25.7





#81
Benzo(a)anthracene
Concen: 71.825 ng
RT: 13.980 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

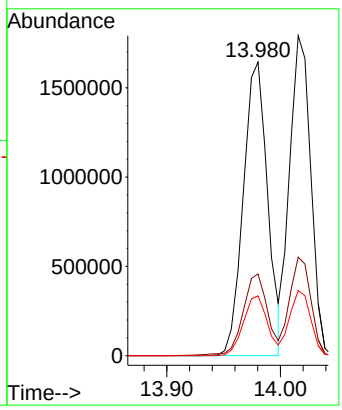
Tgt Ion:228 Resp: 244011

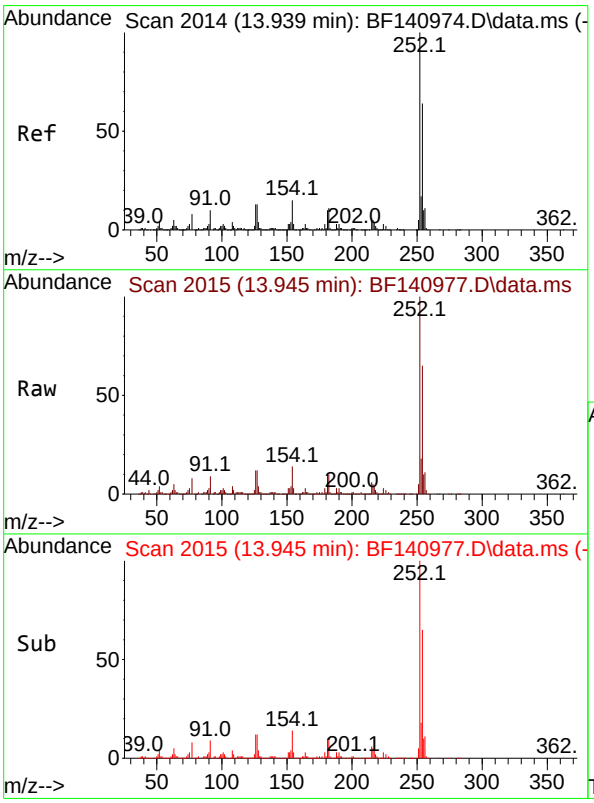
Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	20.4	16.2	24.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

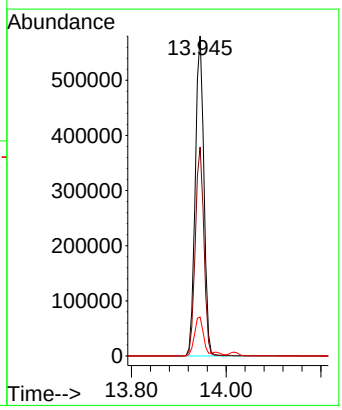


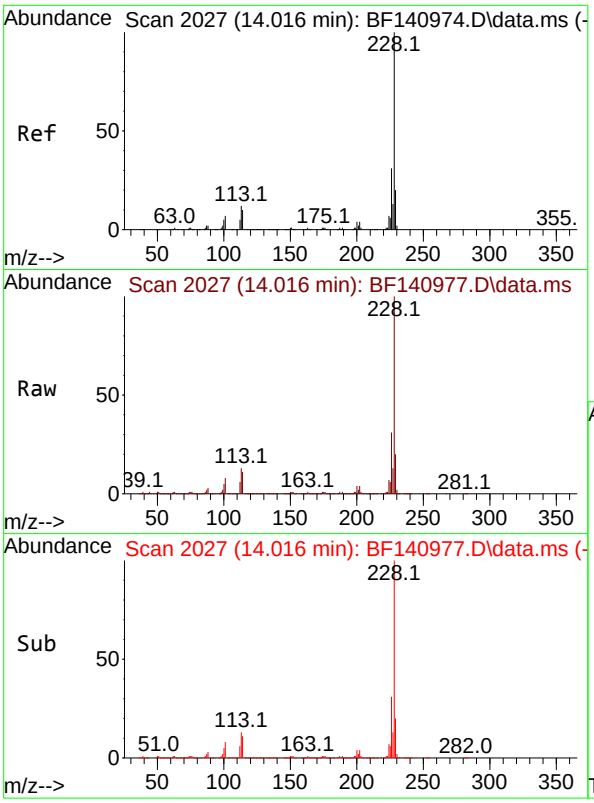


#82
3,3'-Dichlorobenzidine
Concen: 72.073 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:252 Resp: 735658

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.5	77.3
126	12.2	10.3	15.5





#83
Chrysene
Concen: 75.793 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

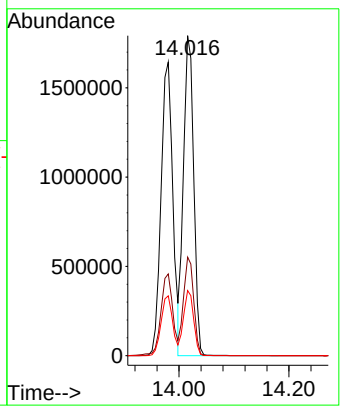
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

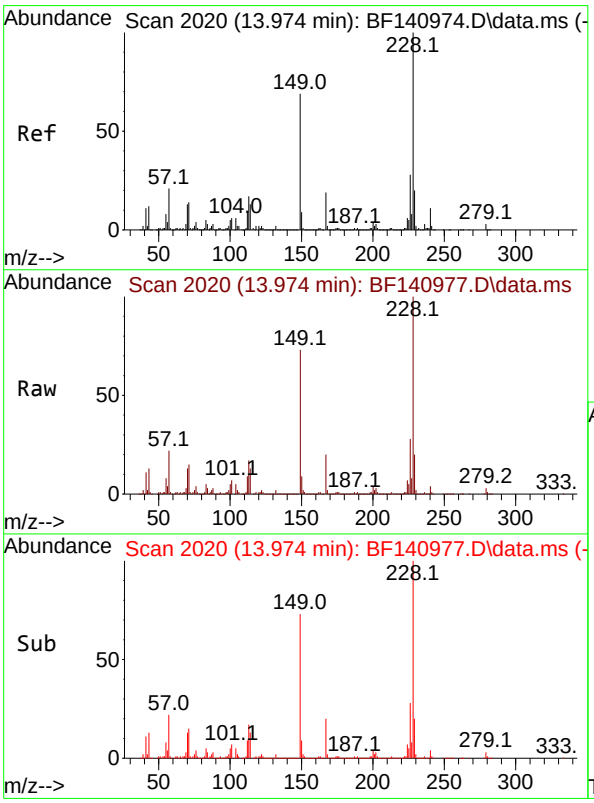
Tgt Ion:228 Resp: 232120

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.5	36.7
229	20.4	16.2	24.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

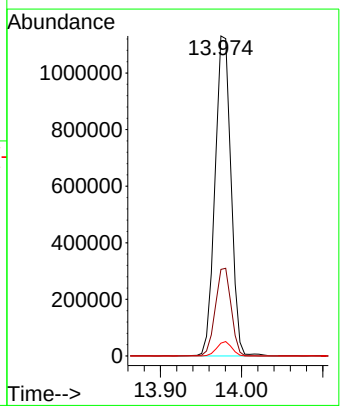


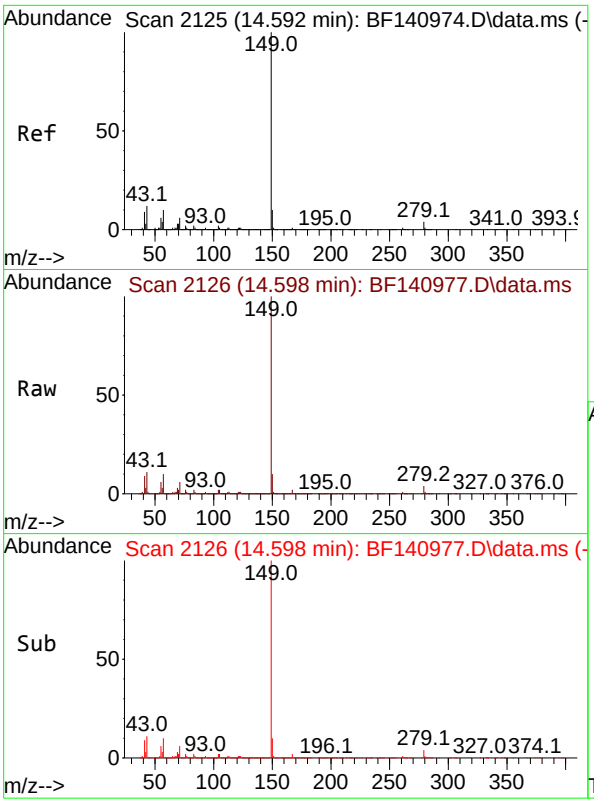


#84
Bis(2-ethylhexyl)phthalate
Concen: 76.541 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:149 Resp: 1545595

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.6	32.4
279	4.0	3.2	4.8





#85
Di-n-octyl phthalate
Concen: 79.458 ng
RT: 14.598 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

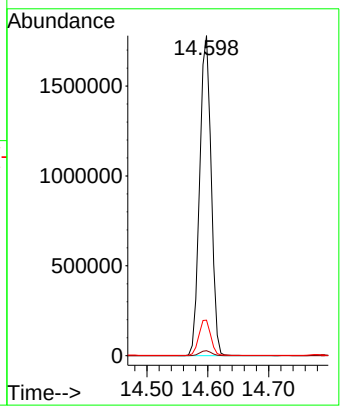
Tgt Ion:149 Resp: 232226

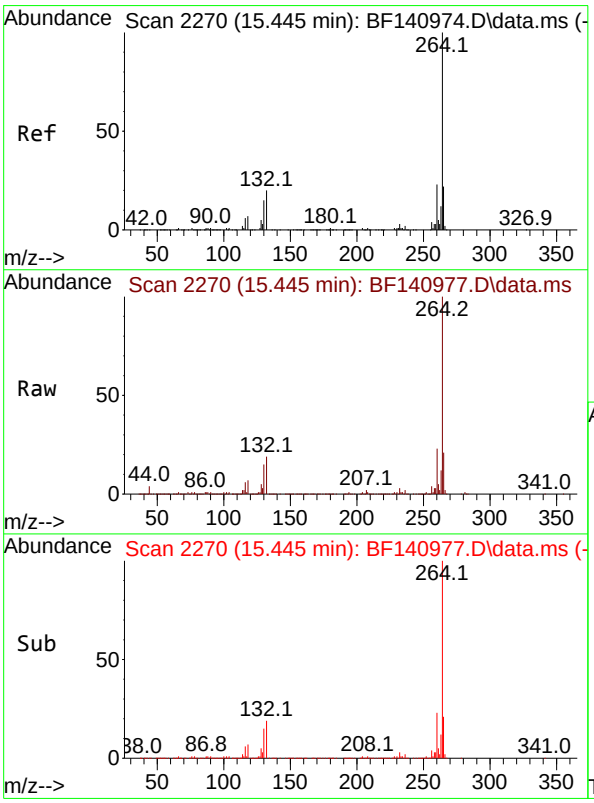
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.5	9.3	13.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

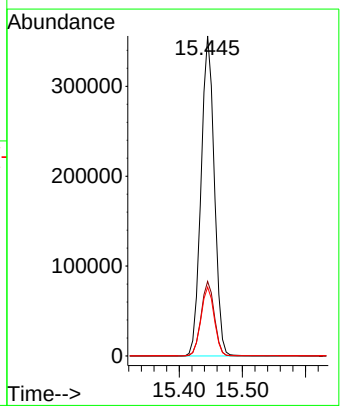


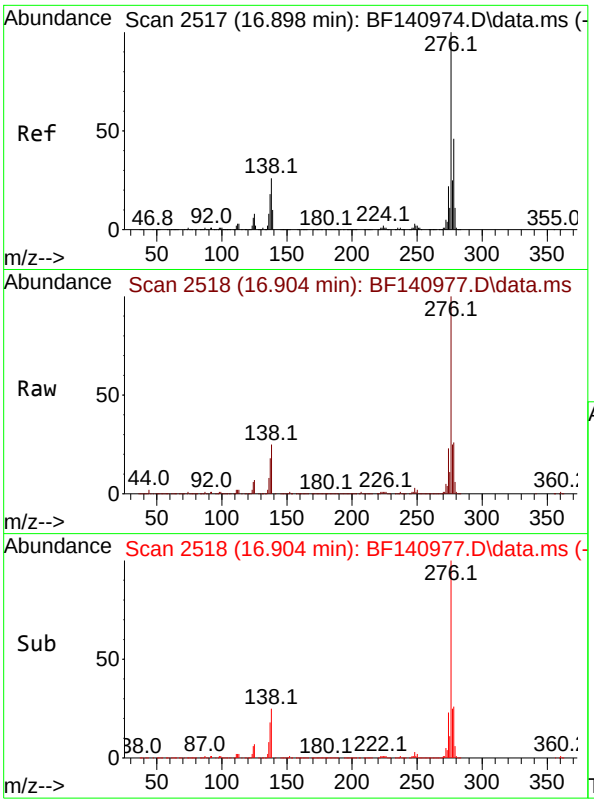


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:264 Resp: 520884

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.5	17.4	26.2

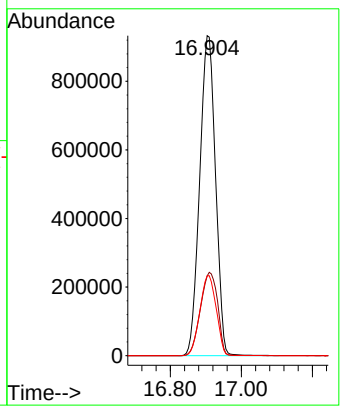




#87
Indeno(1,2,3-cd)pyrene
Concen: 88.322 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:276 Resp: 289844

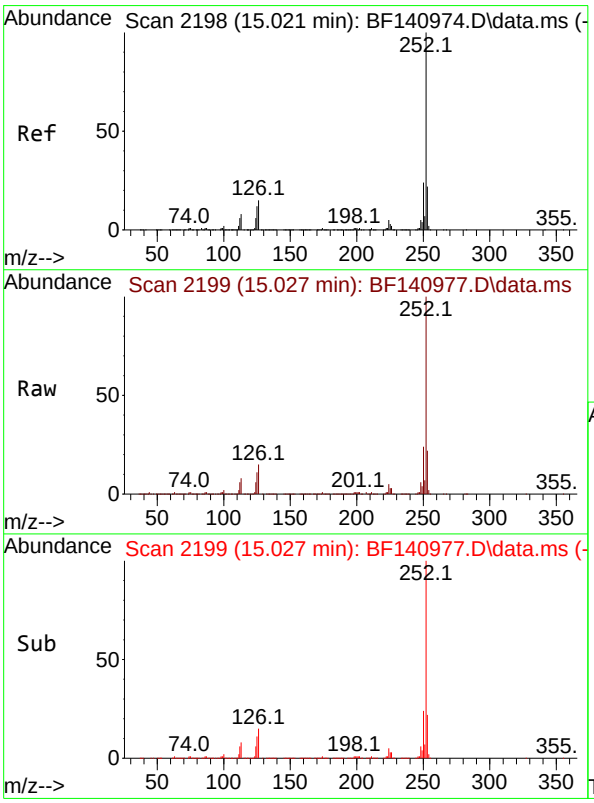
Ion	Ratio	Lower	Upper
276	100		
138	28.3	23.1	34.7
277	25.8	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

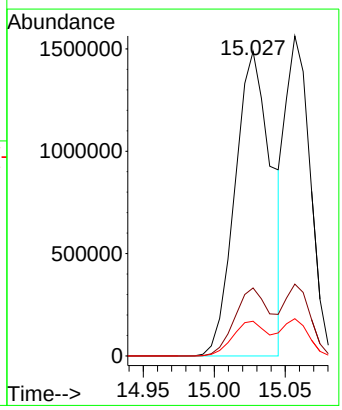
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

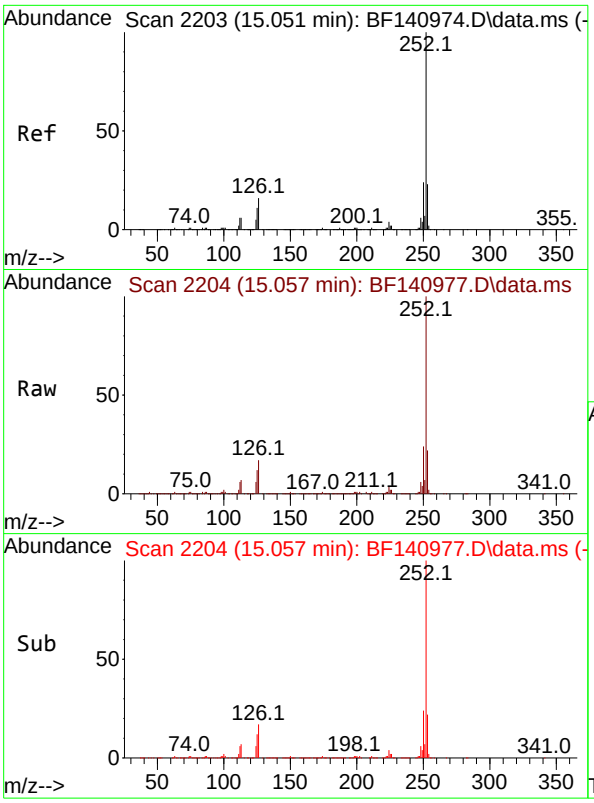


#88
Benzo(b)fluoranthene
Concen: 73.152 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:252 Resp: 2657521

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	11.4	9.3	13.9

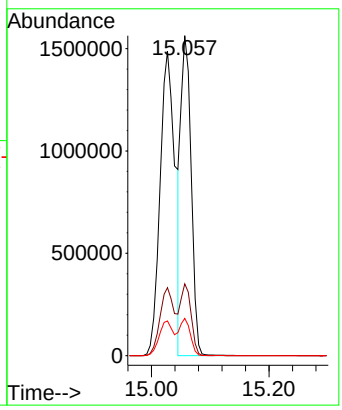




#89
Benzo(k)fluoranthene
Concen: 66.649 ng
RT: 15.057 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:252 Resp: 189770

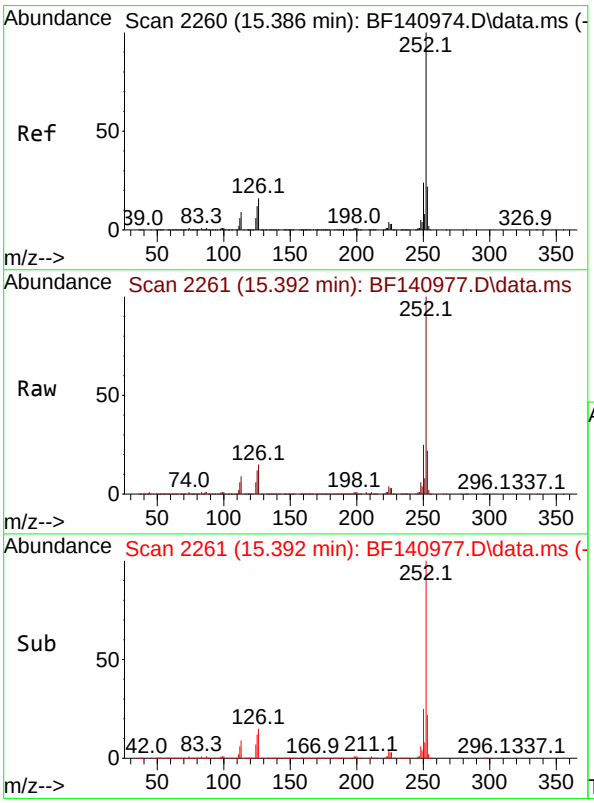
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	11.7	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

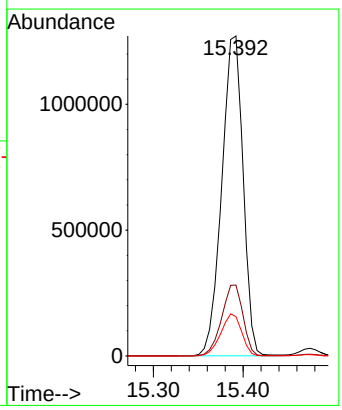
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

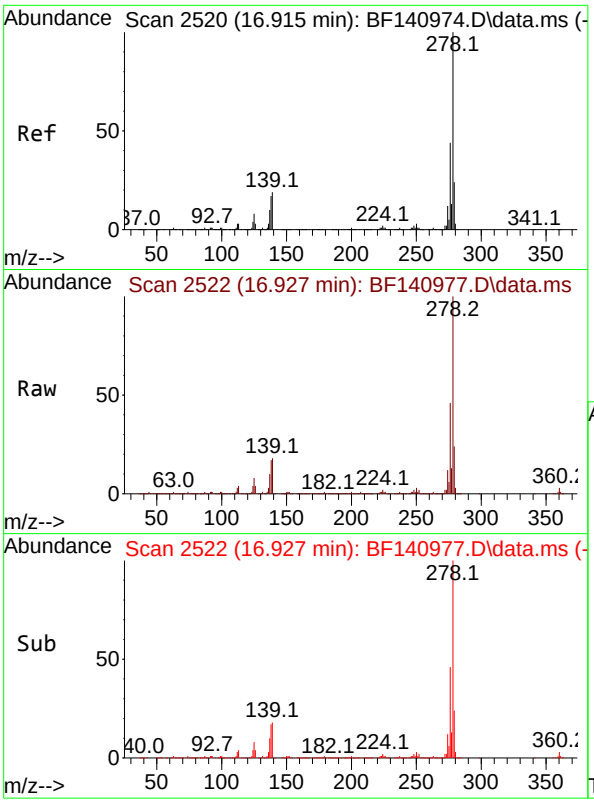


#90
Benzo(a)pyrene
Concen: 74.410 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:252 Resp: 2098162

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	12.3	9.8	14.8

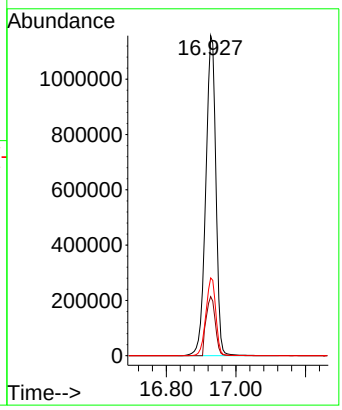




#91
Dibenzo(a,h)anthracene
Concen: 87.749 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:278 Resp: 233426

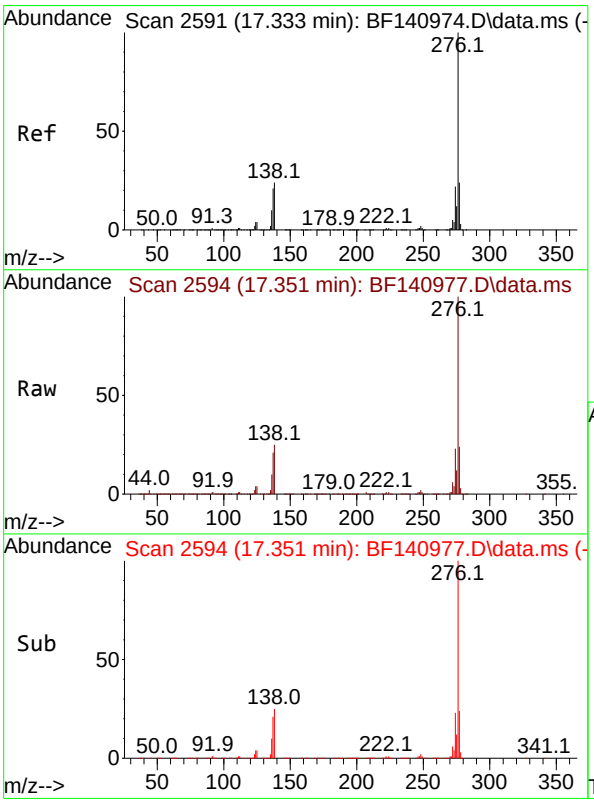
Ion	Ratio	Lower	Upper
278	100		
139	18.5	14.9	22.3
279	24.3	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

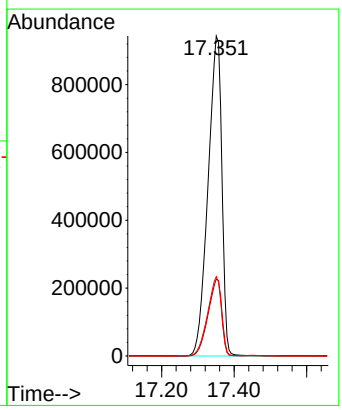
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#92
Benzo(g,h,i)perylene
Concen: 90.139 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.018 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:276 Resp: 2487019

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	24.8	19.4	29.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	278910	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1096814	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	586665	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	1025959	20.000	ng	0.00
76) Chrysene-d12	13.986	240	614249	20.000	ng	0.00
86) Perylene-d12	15.439	264	543067	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1428981	77.230	ng	0.00
7) Phenol-d6	6.451	99	1850114	77.619	ng	0.00
23) Nitrobenzene-d5	7.392	82	1567133	91.412	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	471519	82.713	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	2755058	74.821	ng	0.00
79) Terphenyl-d14	12.933	244	3082241	83.347	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.557	88	327350	39.078	ng	99
3) Pyridine	3.299	79	802921	39.221	ng	99
4) n-Nitrosodimethylamine	3.252	42	405836	39.126	ng	100
6) Aniline	6.487	93	854884	40.214	ng	99
8) 2-Chlorophenol	6.610	128	885691	45.402	ng	98
9) Benzaldehyde	6.375	77	487130	42.275	ng	100
10) Phenol	6.463	94	1150959	46.698	ng	99
11) bis(2-Chloroethyl)ether	6.569	93	783408	39.366	ng	98
12) 1,3-Dichlorobenzene	6.769	146	836638	38.861	ng	99
13) 1,4-Dichlorobenzene	6.845	146	881416	40.612	ng	100
14) 1,2-Dichlorobenzene	6.998	146	784556	38.772	ng	100
15) Benzyl Alcohol	6.969	79	680874	39.751	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1153471	38.326	ng	99
17) 2-Methylphenol	7.075	107	642058	39.617	ng	100
18) Hexachloroethane	7.345	117	308596	40.027	ng	99
19) n-Nitroso-di-n-propyla...	7.245	70	596199	40.828	ng	100
20) 3+4-Methylphenols	7.228	107	806484	39.323	ng	99
22) Acetophenone	7.240	105	1020280	37.920	ng	99
24) Nitrobenzene	7.410	77	844017	44.060	ng	99
25) Isophorone	7.651	82	1437535	38.534	ng	99
26) 2-Nitrophenol	7.728	139	334326	43.185	ng	99
27) 2,4-Dimethylphenol	7.757	122	544355	39.926	ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	905816	38.323	ng	100
29) 2,4-Dichlorophenol	7.963	162	622844	40.280	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	721146	41.204	ng	100
31) Naphthalene	8.134	128	2224743	38.493	ng	100
32) Benzoic acid	7.863	122	473862	43.158	ng	97
33) 4-Chloroaniline	8.181	127	819674	39.203	ng	99
34) Hexachlorobutadiene	8.251	225	403377	39.095	ng	100
35) Caprolactam	8.545	113	211002m	40.139	ng	
36) 4-Chloro-3-methylphenol	8.651	107	733502	42.714	ng	99
37) 2-Methylnaphthalene	8.822	142	1417576	38.340	ng	100
38) 1-Methylnaphthalene	8.922	142	1379859	37.974	ng	98
40) 1,2,4,5-Tetrachloroben...	8.986	216	621819	38.527	ng	100
41) Hexachlorocyclopentadiene	8.975	237	216938	40.560	ng	100
43) 2,4,6-Trichlorophenol	9.092	196	431607	40.180	ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	446928	40.663	ng		100
46) 1,1'-Biphenyl	9.286	154	1703208	37.916	ng		100
47) 2-Chloronaphthalene	9.310	162	1339282	38.442	ng		100
48) 2-Nitroaniline	9.398	65	389029	43.198	ng		99
49) Acenaphthylene	9.722	152	1919436	38.272	ng		100
50) Dimethylphthalate	9.586	163	1482676	38.422	ng		100
51) 2,6-Dinitrotoluene	9.645	165	329921	42.386	ng		99
52) Acenaphthene	9.898	154	1361911	40.168	ng		100
53) 3-Nitroaniline	9.810	138	360491	42.522	ng	#	98
54) 2,4-Dinitrophenol	9.910	184	110045	45.538	ng		86
55) Dibenzofuran	10.069	168	1825813	38.318	ng		100
56) 4-Nitrophenol	9.957	139	320756	48.593	ng		99
57) 2,4-Dinitrotoluene	10.045	165	425111	44.506	ng		99
58) Fluorene	10.410	166	1391829	37.668	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.181	232	379409	41.681	ng		99
60) Diethylphthalate	10.286	149	1471636	38.629	ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	674323	37.928	ng		99
62) 4-Nitroaniline	10.422	138	351313	41.571	ng		98
63) Azobenzene	10.563	77	1538321	38.471	ng		100
65) 4,6-Dinitro-2-methylph...	10.451	198	172455	43.296	ng		100
66) n-Nitrosodiphenylamine	10.522	169	1252782	38.777	ng		100
67) 4-Bromophenyl-phenylether	10.892	248	435284	39.247	ng		100
68) Hexachlorobenzene	10.957	284	475602	38.890	ng		99
69) Atrazine	11.045	200	323638	35.858	ng		98
70) Pentachlorophenol	11.145	266	349248	45.869	ng		99
71) Phenanthrene	11.375	178	2072012	38.373	ng		100
72) Anthracene	11.422	178	2027823	38.325	ng		100
73) Carbazole	11.575	167	1937732	38.096	ng		100
74) Di-n-butylphthalate	11.916	149	2237362	38.673	ng		100
75) Fluoranthene	12.557	202	2209244	37.724	ng		100
77) Benzidine	12.680	184	520577	40.101	ng		100
78) Pyrene	12.786	202	2340872	43.575	ng		100
80) Butylbenzylphthalate	13.410	149	857532	43.715	ng		96
81) Benzo(a)anthracene	13.974	228	1624247	37.941	ng		99
82) 3,3'-Dichlorobenzidine	13.939	252	460524	35.805	ng		99
83) Chrysene	14.010	228	1531898	39.695	ng		100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1035953	40.713	ng		100
85) Di-n-octyl phthalate	14.592	149	1446783	39.285	ng		100
87) Indeno(1,2,3-cd)pyrene	16.892	276	1514165	44.255	ng		100
88) Benzo(b)fluoranthene	15.021	252	1367890	36.115	ng		100
89) Benzo(k)fluoranthene	15.051	252	1203912	40.555	ng		100
90) Benzo(a)pyrene	15.380	252	1132116	38.510	ng		99
91) Dibenzo(a,h)anthracene	16.915	278	1241284	44.756	ng		99
92) Benzo(g,h,i)perylene	17.333	276	1297980	45.122	ng		99

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

ICAL Form

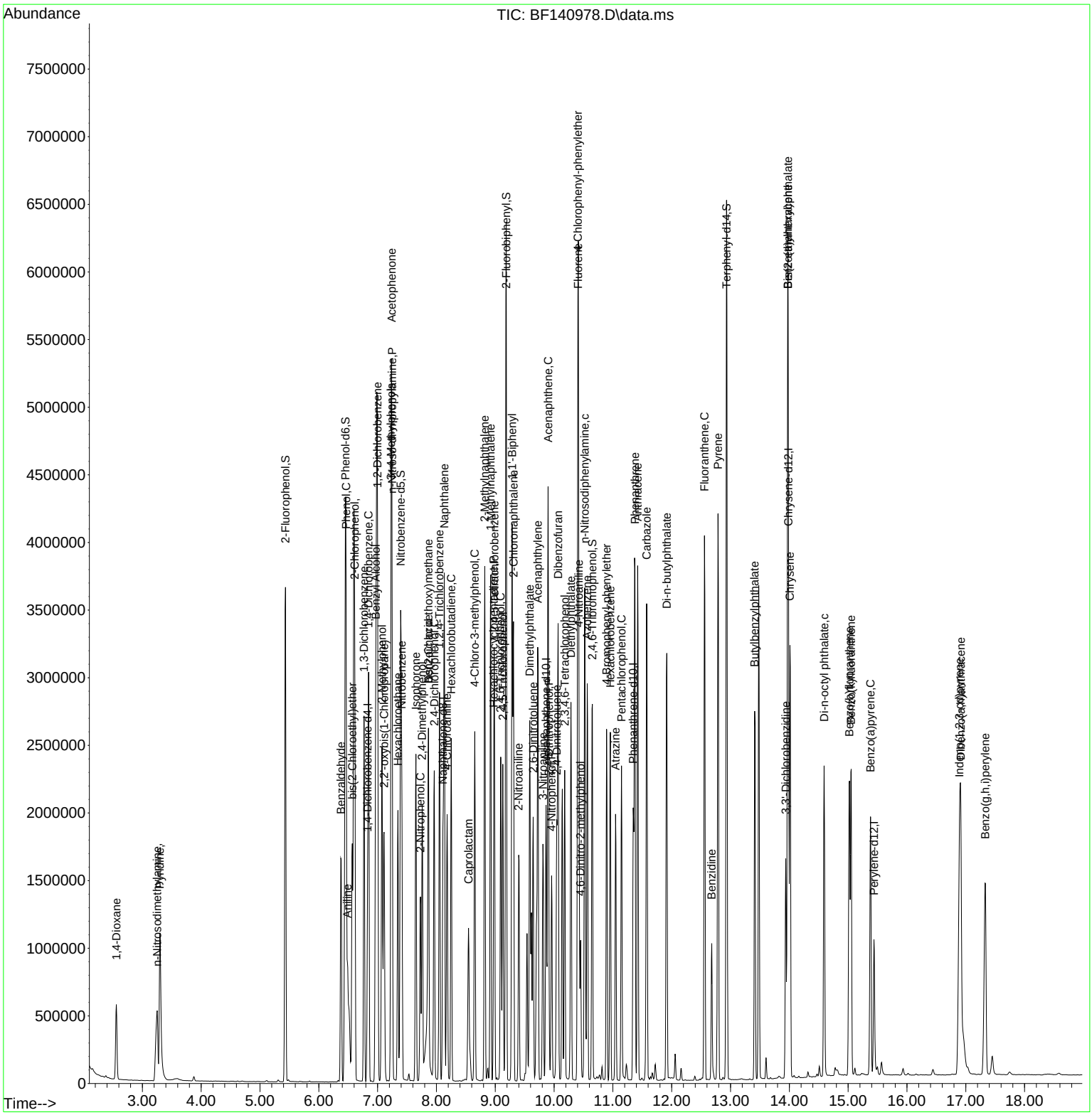
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

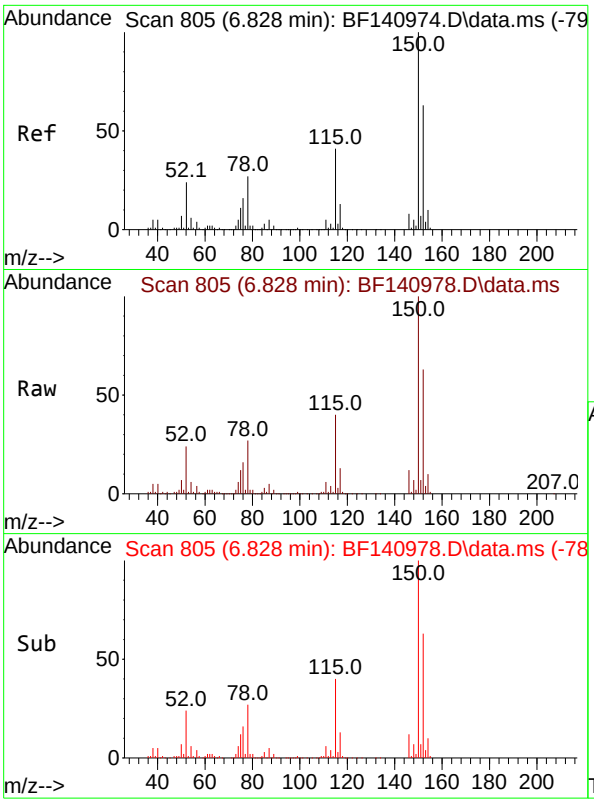
Quant Time: Dec 27 00:40:05 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

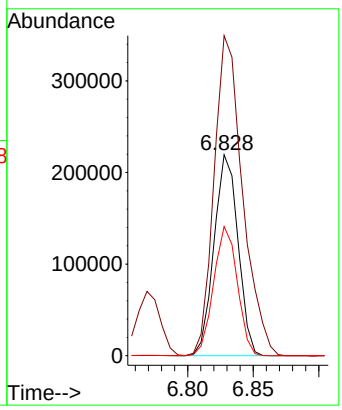




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8(
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:152 Resp: 27891(

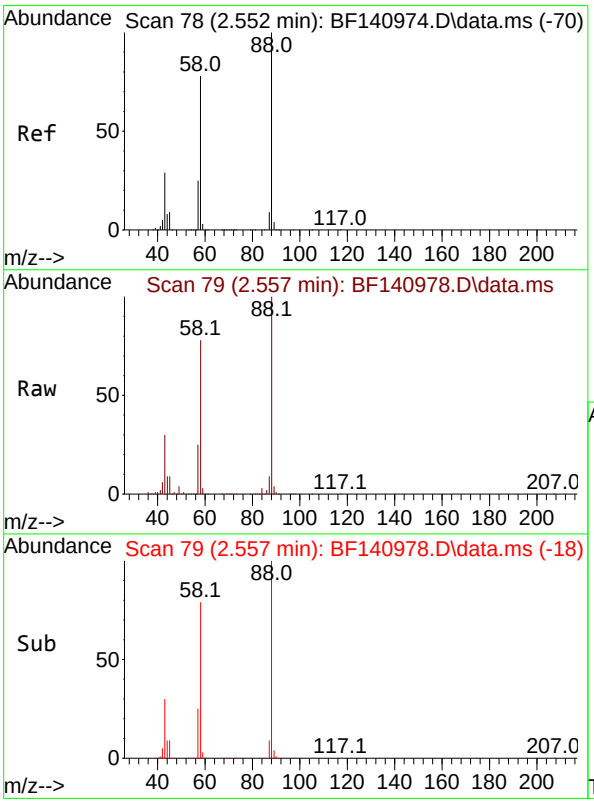
Ion	Ratio	Lower	Upper
152	100		
150	159.2	127.0	190.6
115	64.3	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
APPROVED

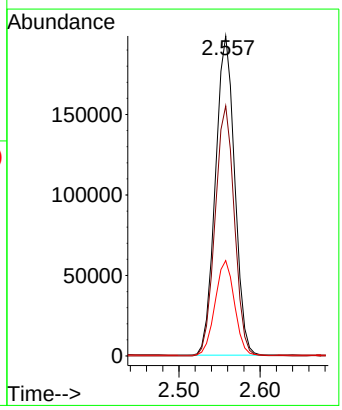
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

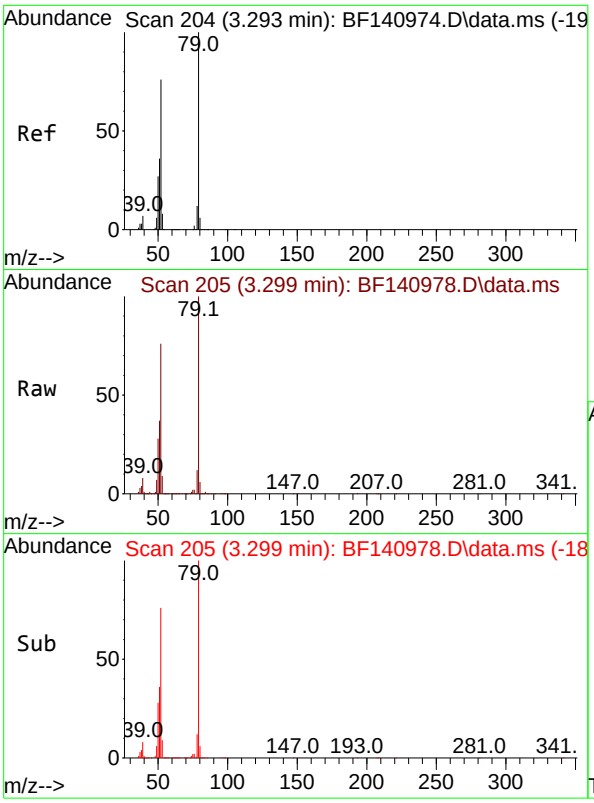


#2
1,4-Dioxane
Concen: 39.078 ng
RT: 2.557 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 88 Resp: 327350

Ion	Ratio	Lower	Upper
88	100		
58	78.3	63.0	94.4
43	29.7	23.4	35.2

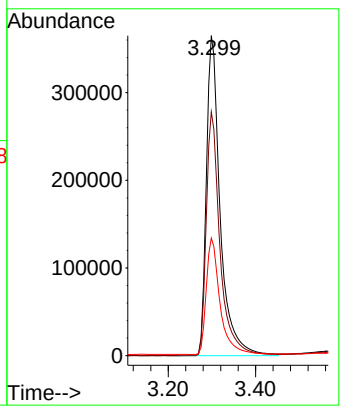




#3
Pyridine
Concen: 39.221 ng
RT: 3.299 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 79 Resp: 80292

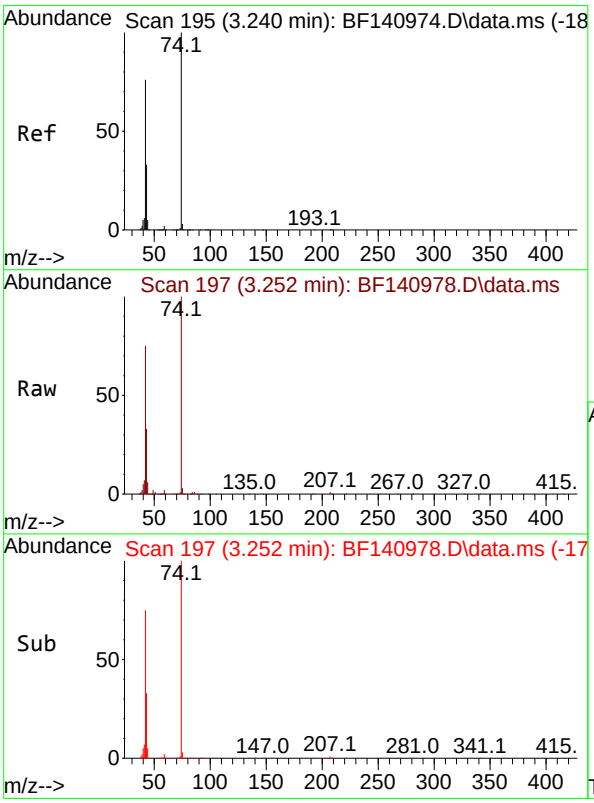
Ion	Ratio	Lower	Upper
79	100		
52	76.2	60.4	90.6
51	36.8	28.8	43.2



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
APPROVED

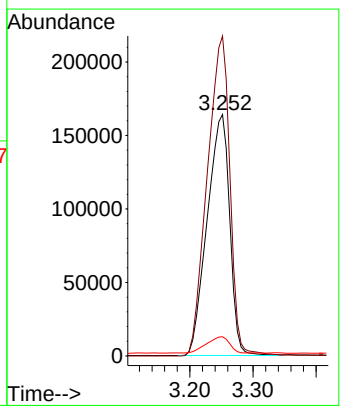
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

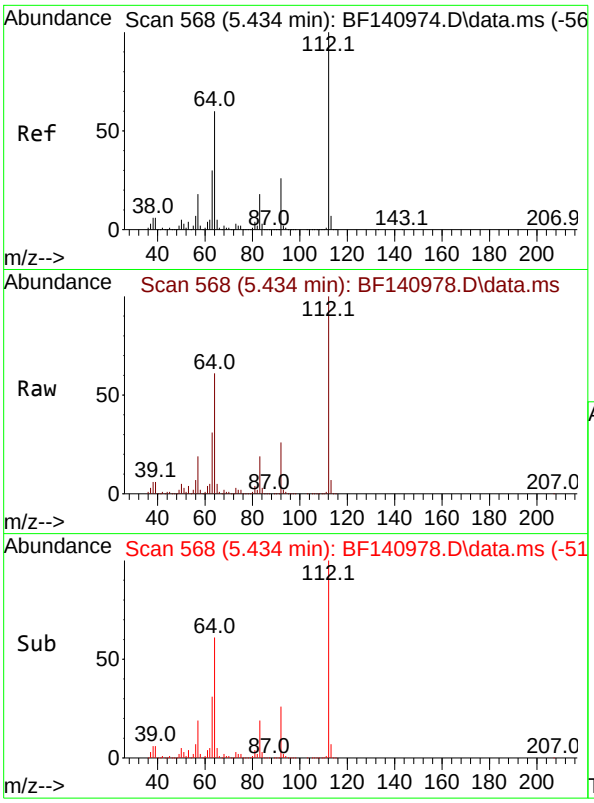


#4
n-Nitrosodimethylamine
Concen: 39.126 ng
RT: 3.252 min Scan# 197
Delta R.T. 0.012 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 42 Resp: 405836

Ion	Ratio	Lower	Upper
42	100		
74	132.5	105.8	158.6
44	7.9	6.6	10.0





#5
2-Fluorophenol
Concen: 77.230 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

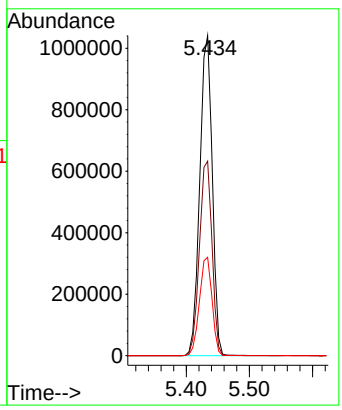
Tgt Ion:112 Resp: 142898

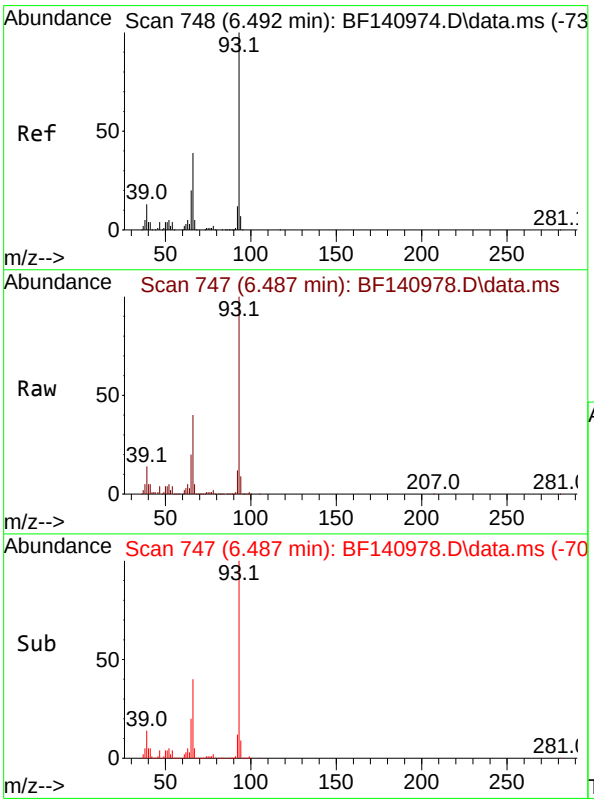
Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.7	71.5
63	30.7	24.2	36.2

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

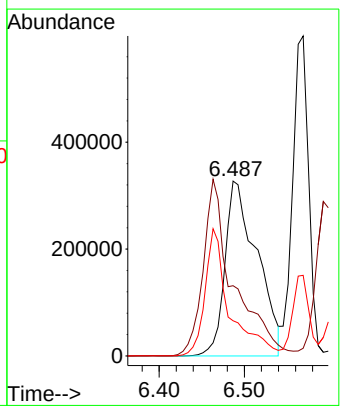


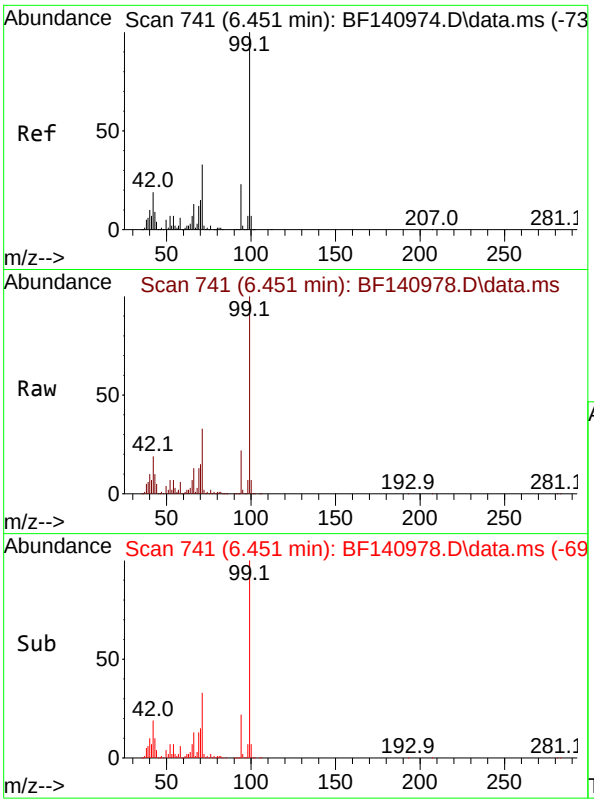


#6
Aniline
Concen: 40.214 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.024 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 93 Resp: 854884

Ion	Ratio	Lower	Upper
93	100		
66	40.1	31.8	47.8
65	20.1	15.4	23.0

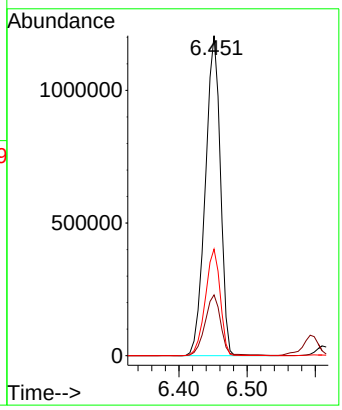




#7
Phenol-d6
Concen: 77.619 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 99 Resp: 185011

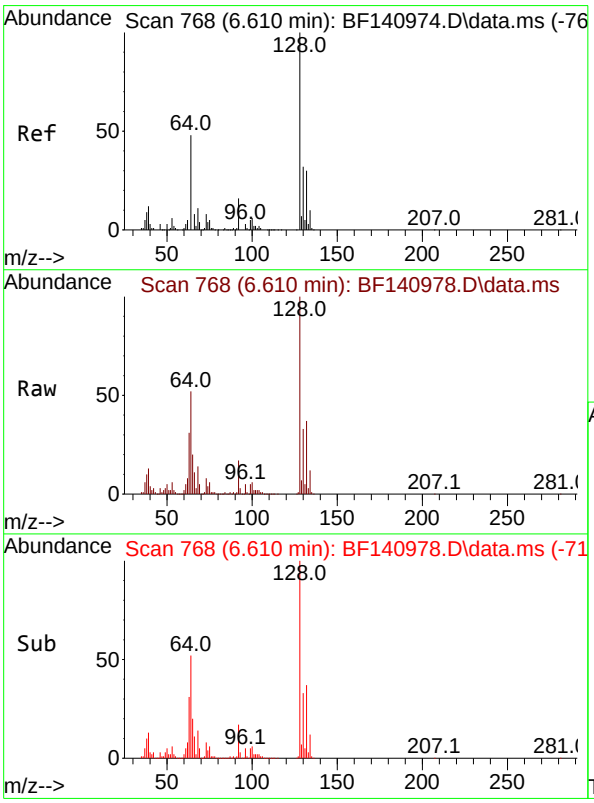
Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.0	22.4
71	33.3	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
APPROVED

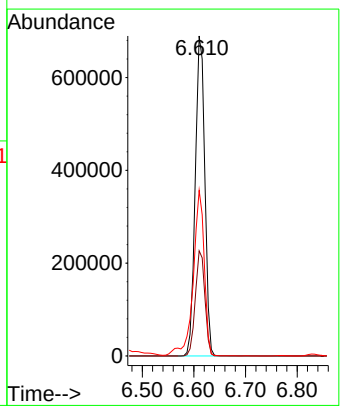
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

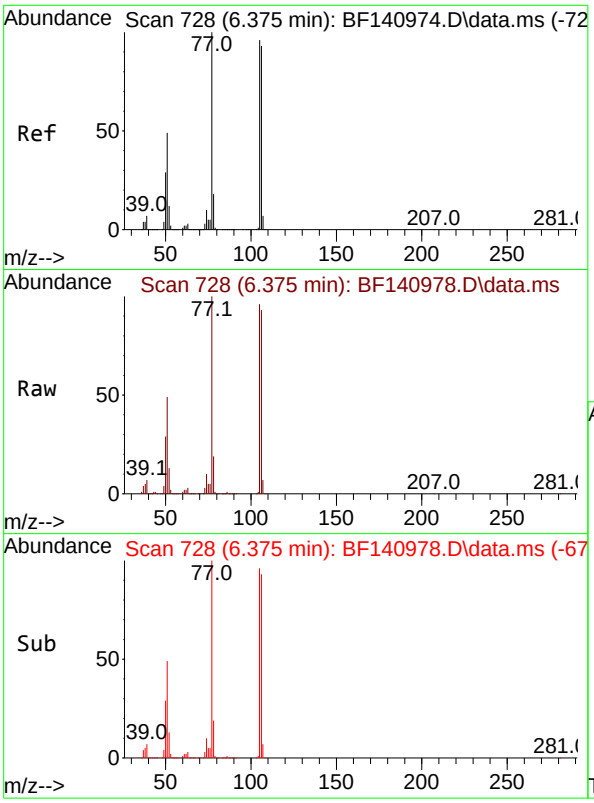


#8
2-Chlorophenol
Concen: 45.402 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:128 Resp: 885691

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.2	52.2
64	51.7	30.3	70.3

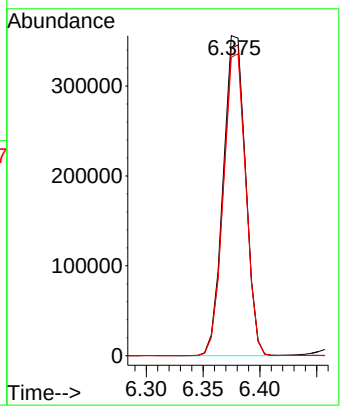




#9
Benzaldehyde
Concen: 42.275 ng
RT: 6.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 77 Resp: 48713

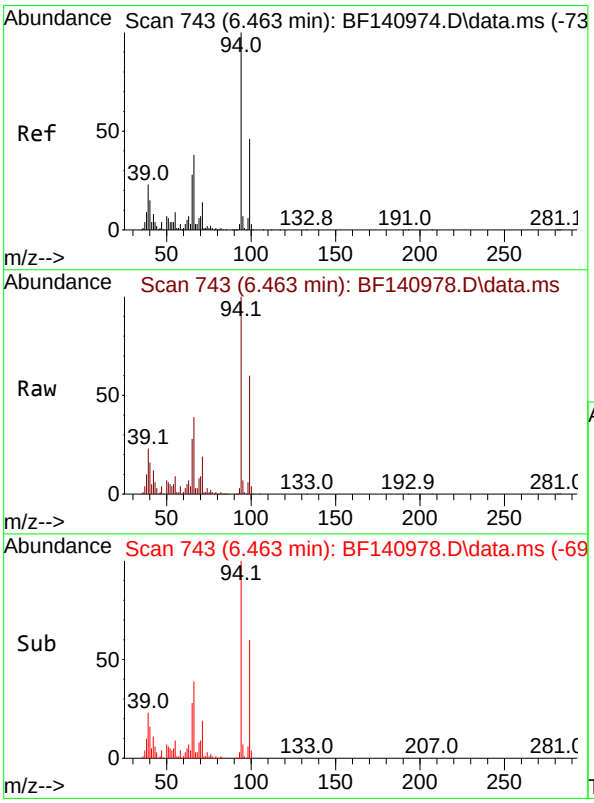
Ion	Ratio	Lower	Upper
77	100		
105	95.9	76.2	116.2
106	93.2	73.4	113.4



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
APPROVED

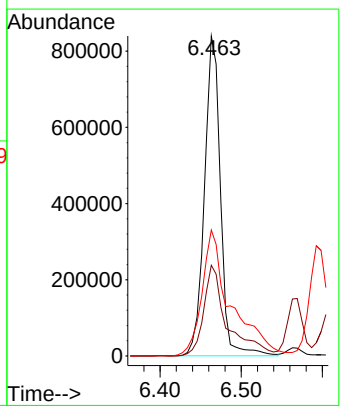
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

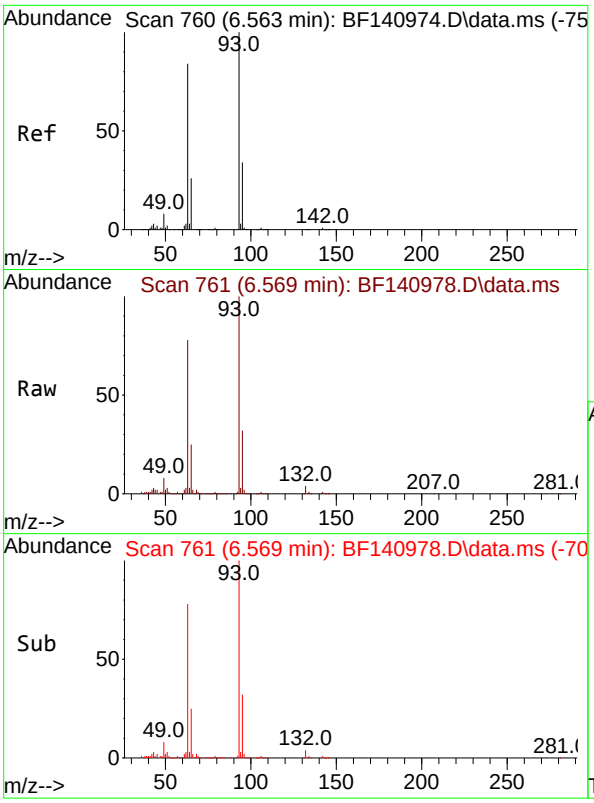


#10
Phenol
Concen: 46.698 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 94 Resp: 1150959

Ion	Ratio	Lower	Upper
94	100		
65	28.3	8.1	48.1
66	39.4	18.7	58.7

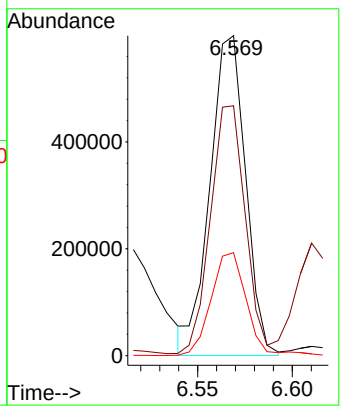




#11
bis(2-Chloroethyl)ether
Concen: 39.366 ng
RT: 6.569 min Scan# 7(
Delta R.T. 0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 93 Resp: 78340

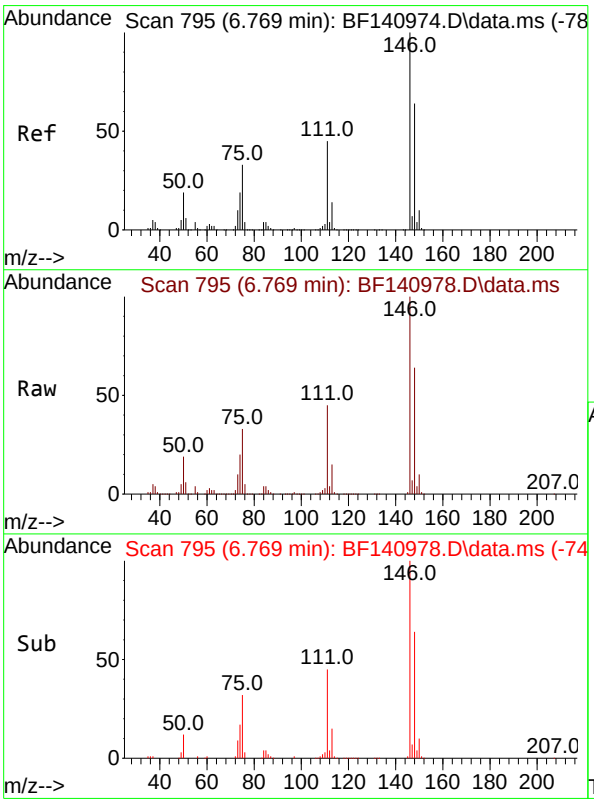
Ion	Ratio	Lower	Upper
93	100		
63	78.1	60.3	100.3
95	32.2	12.2	52.2



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
APPROVED

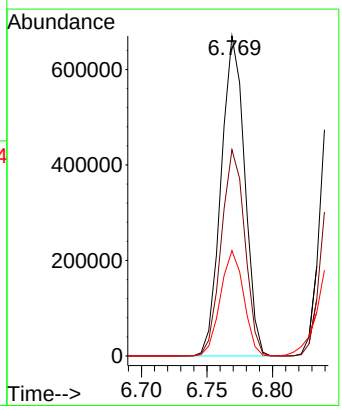
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

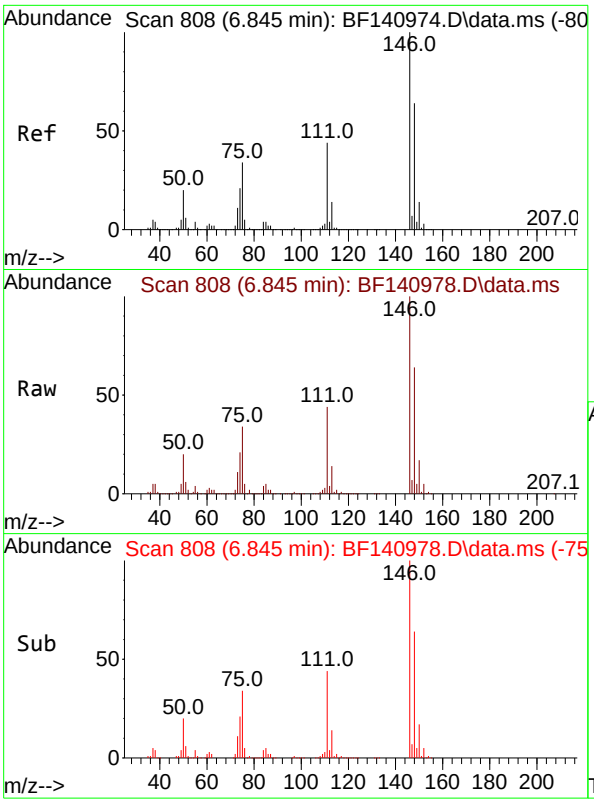


#12
1,3-Dichlorobenzene
Concen: 38.861 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:146 Resp: 836638

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
75	32.9	26.1	39.1

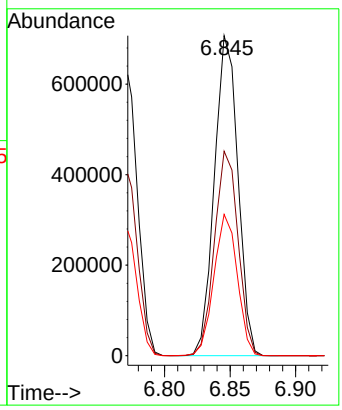




#13
1,4-Dichlorobenzene
Concen: 40.612 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:146 Resp: 88141

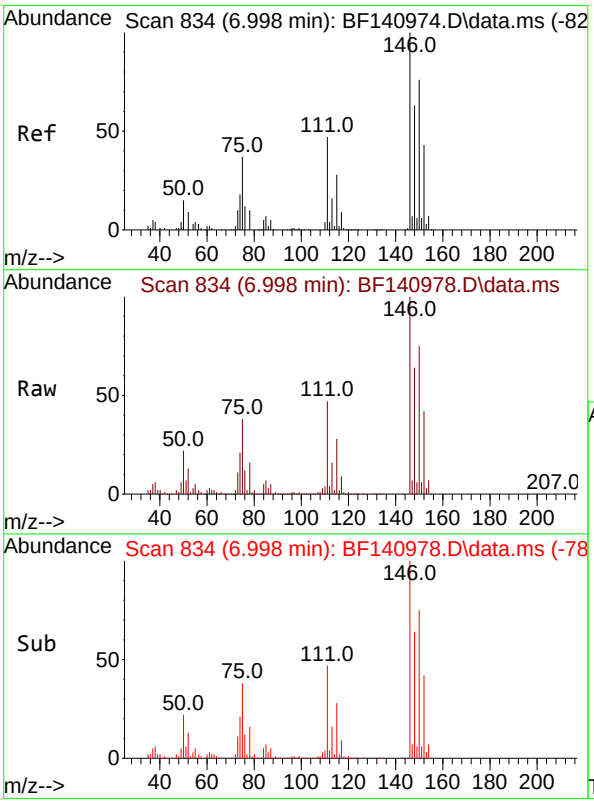
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.3	76.9
111	44.1	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
APPROVED

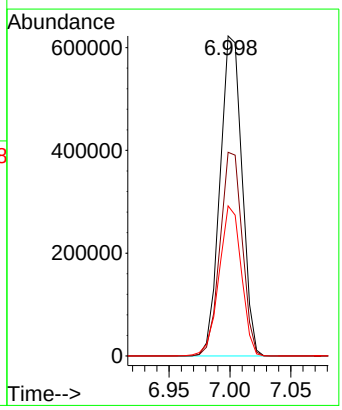
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

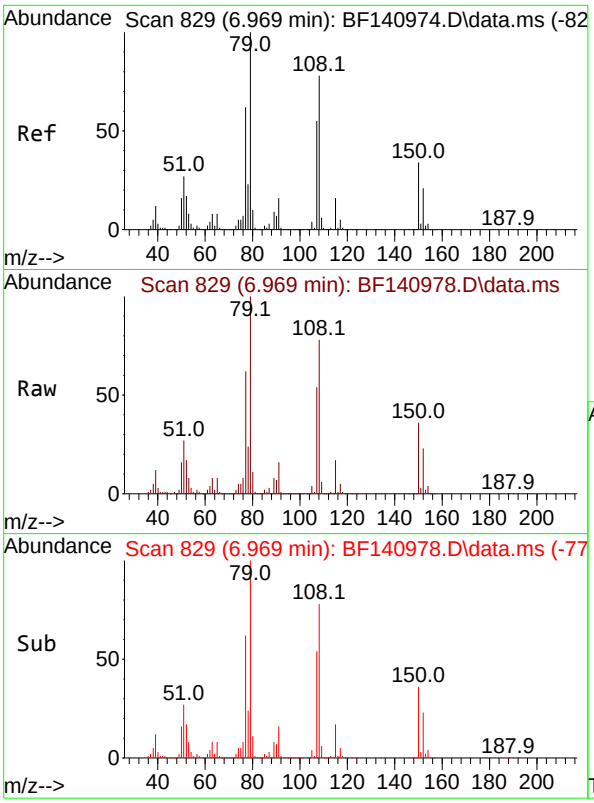


#14
1,2-Dichlorobenzene
Concen: 38.772 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:146 Resp: 784556

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
111	46.9	37.3	55.9

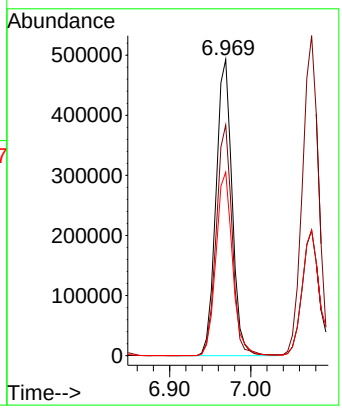




#15
Benzyl Alcohol
Concen: 39.751 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 79 Resp: 68087

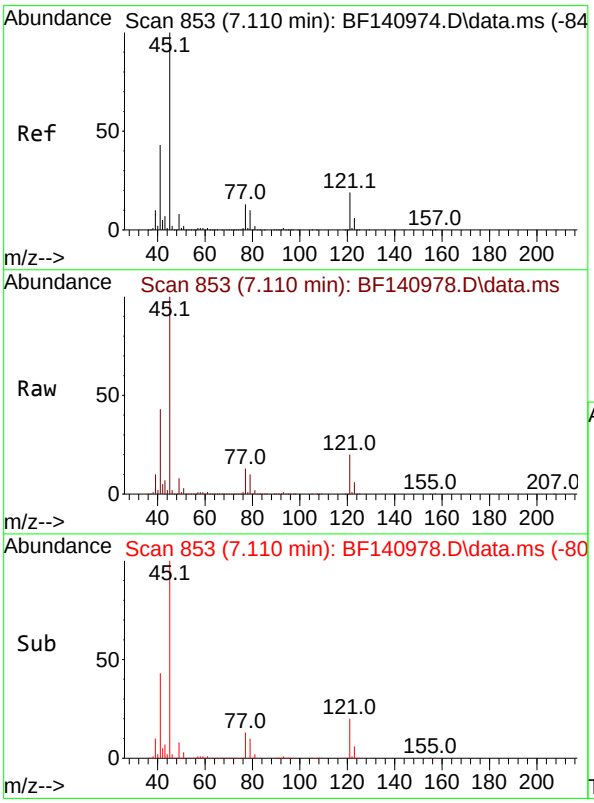
Ion	Ratio	Lower	Upper
79	100		
108	77.9	62.5	93.7
77	62.0	49.3	73.9



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
APPROVED

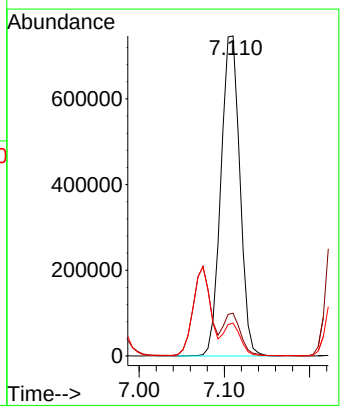
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

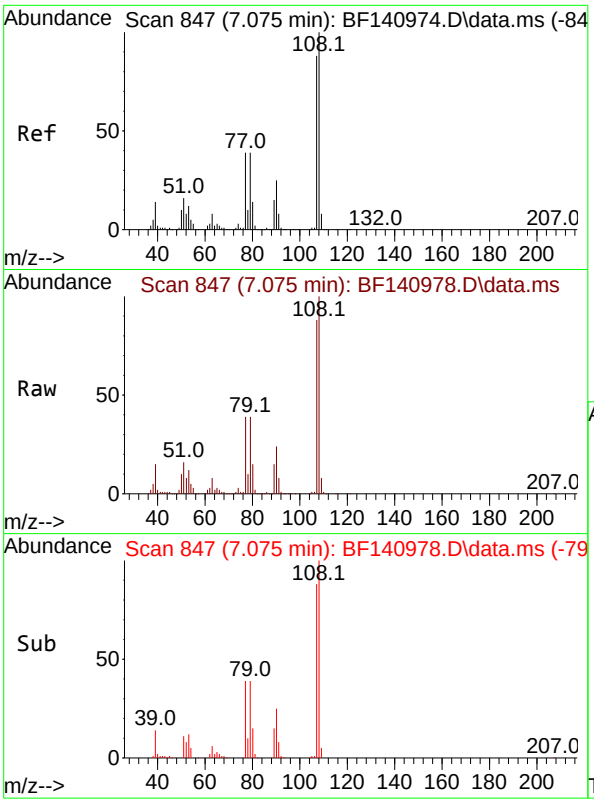


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.326 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 45 Resp: 1153471

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	33.1
79	10.3	0.0	30.1

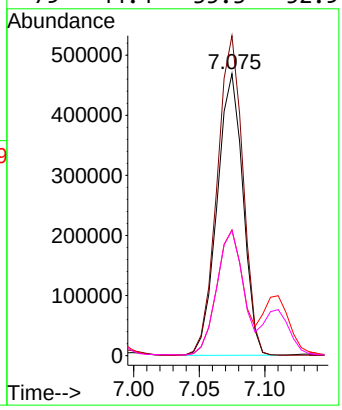




#17
2-Methylphenol
Concen: 39.617 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:107 Resp: 64205

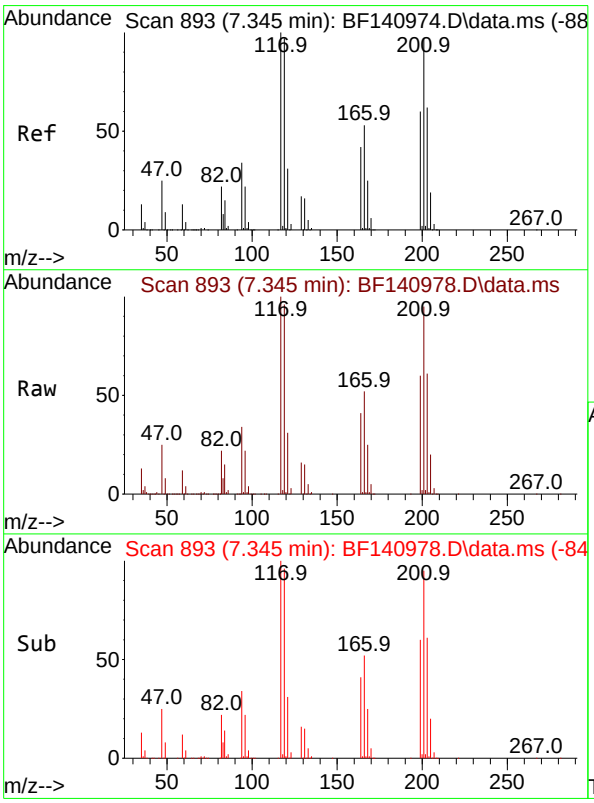
Ion	Ratio	Lower	Upper
107	100		
108	113.5	90.6	136.0
77	44.6	35.3	52.9
79	44.4	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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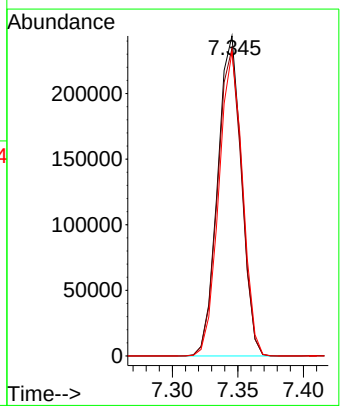
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

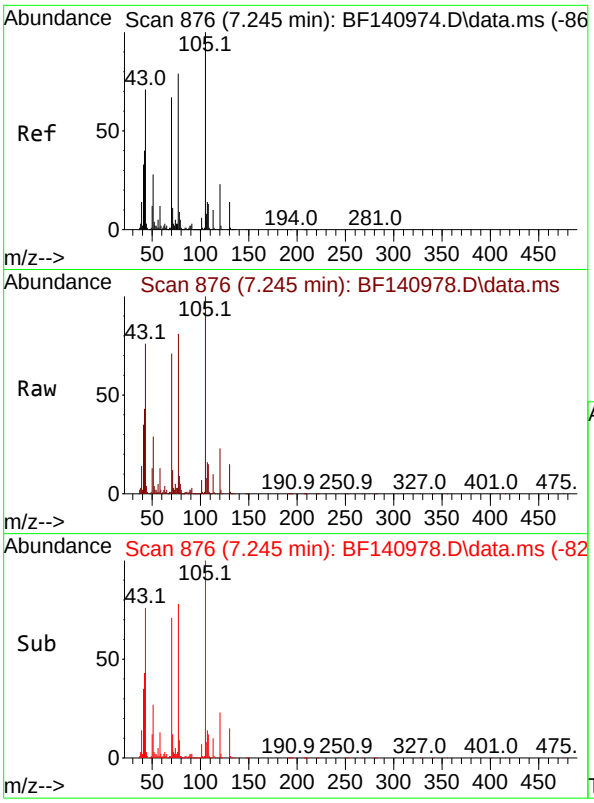


#18
Hexachloroethane
Concen: 40.027 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:117 Resp: 308596

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.5	116.3
201	95.1	77.4	116.2

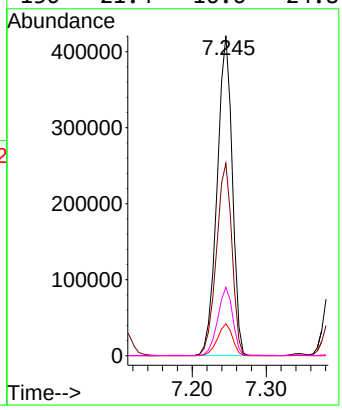




#19
n-Nitroso-di-n-propylamine
Concen: 40.828 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 70 Resp: 59619

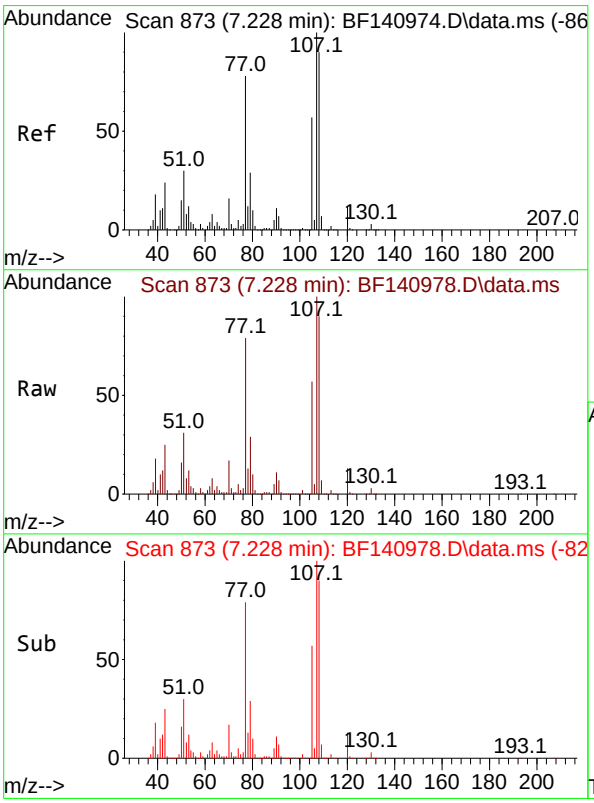
Ion	Ratio	Lower	Upper
70	100		
42	60.1	48.1	72.1
101	9.9	7.6	11.4
130	21.4	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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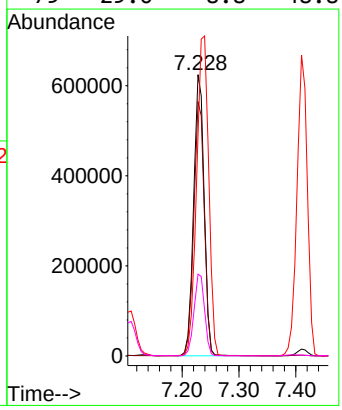
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

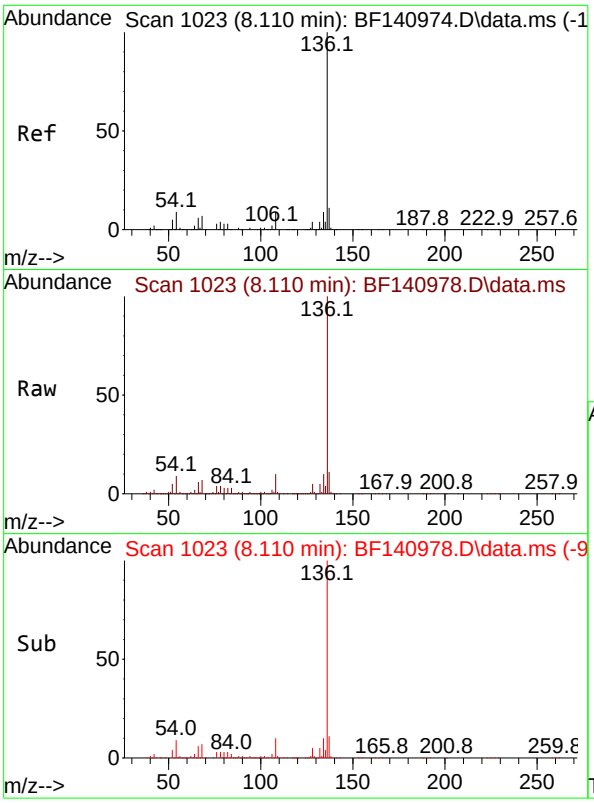


#20
3+4-Methylphenols
Concen: 39.323 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:107 Resp: 806484

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.6	109.6
77	78.8	57.6	97.6
79	29.0	8.8	48.8

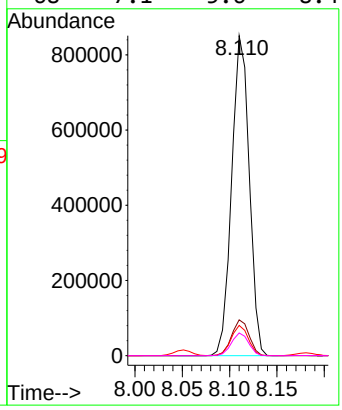




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:136 Resp: 109681

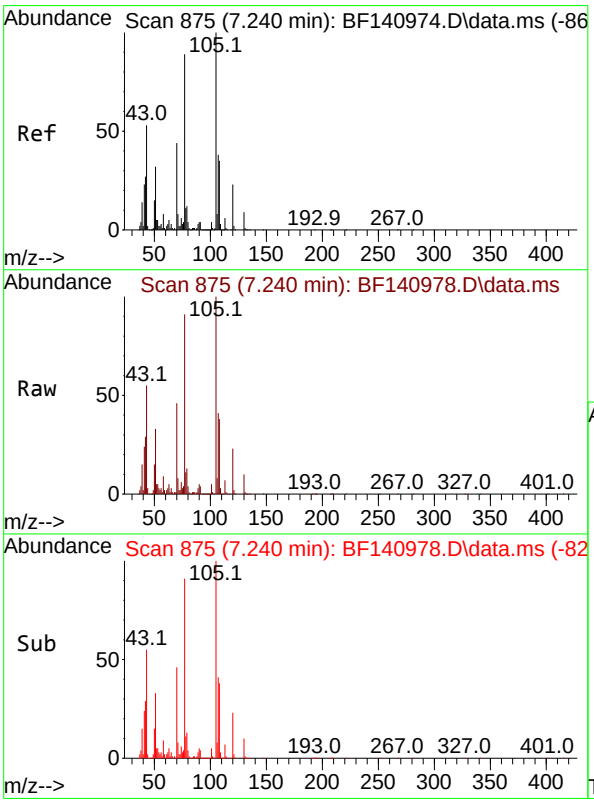
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.5	7.6	11.4
68	7.1	5.6	8.4



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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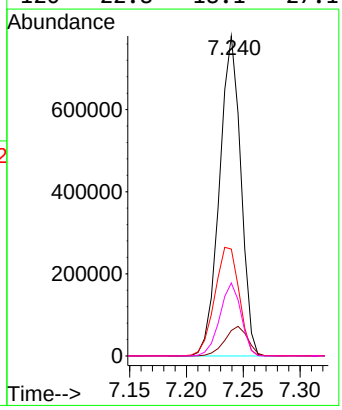
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

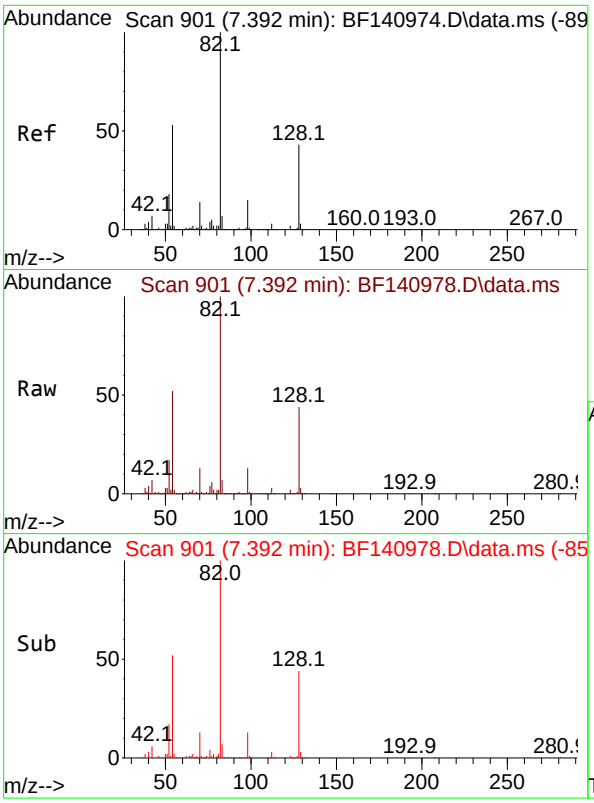


#22
Acetophenone
Concen: 37.920 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:105 Resp: 1020280

Ion	Ratio	Lower	Upper
105	100		
71	7.9	6.1	9.1
51	33.4	25.8	38.6
120	22.8	18.1	27.1





#23
Nitrobenzene-d5
Concen: 91.412 ng
RT: 7.392 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

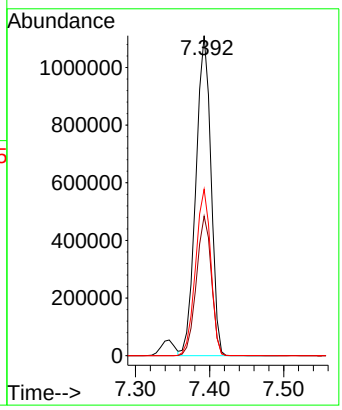
Instrument :
BNA_F
ClientSampleId :
ICVBF122624

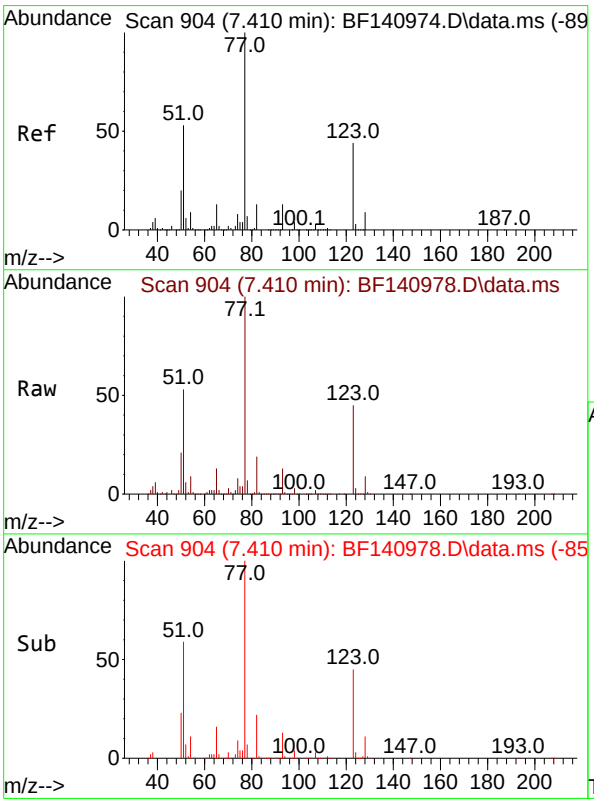
Tgt Ion: 82 Resp: 156713

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.4	51.6
54	52.0	42.4	63.6

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
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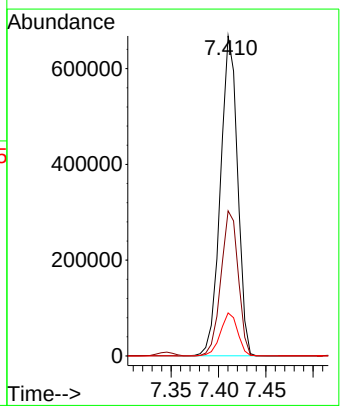


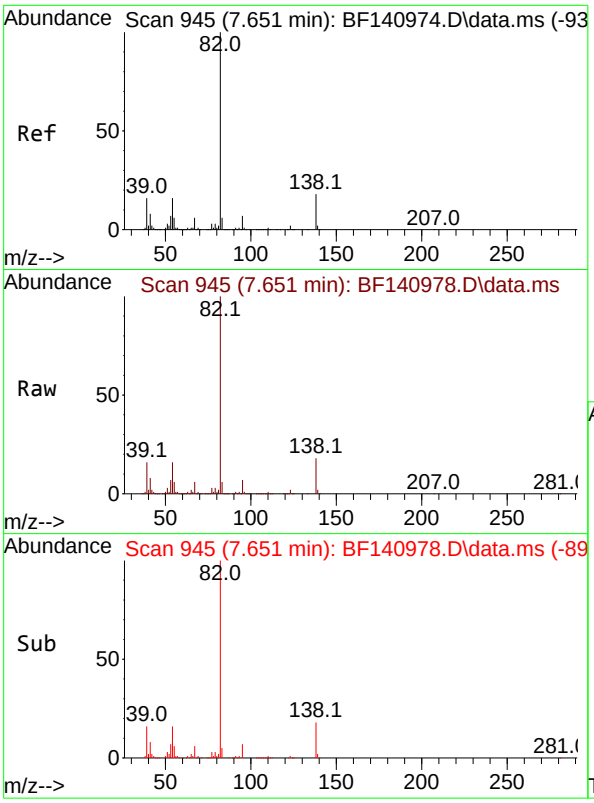


#24
Nitrobenzene
Concen: 44.060 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 77 Resp: 844017

Ion	Ratio	Lower	Upper
77	100		
123	45.3	35.4	53.2
65	13.4	10.7	16.1





#25
Isophorone
Concen: 38.534 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

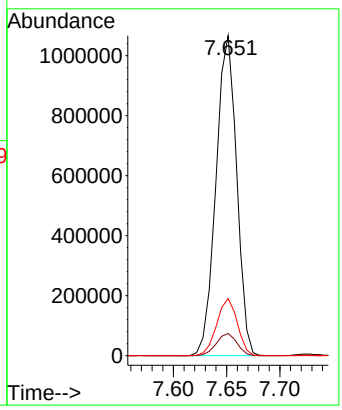
Tgt Ion: 82 Resp: 143753

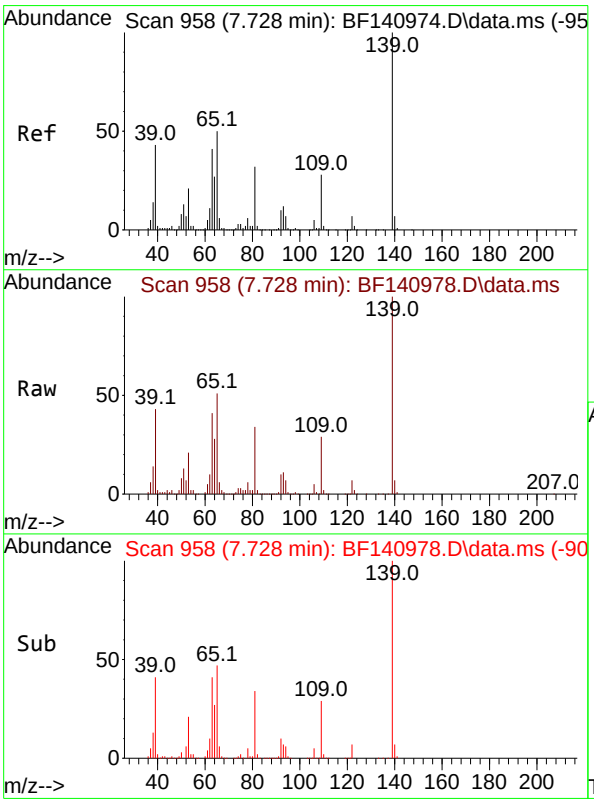
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.8	14.6	21.8

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

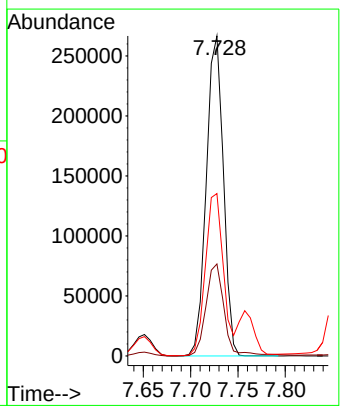


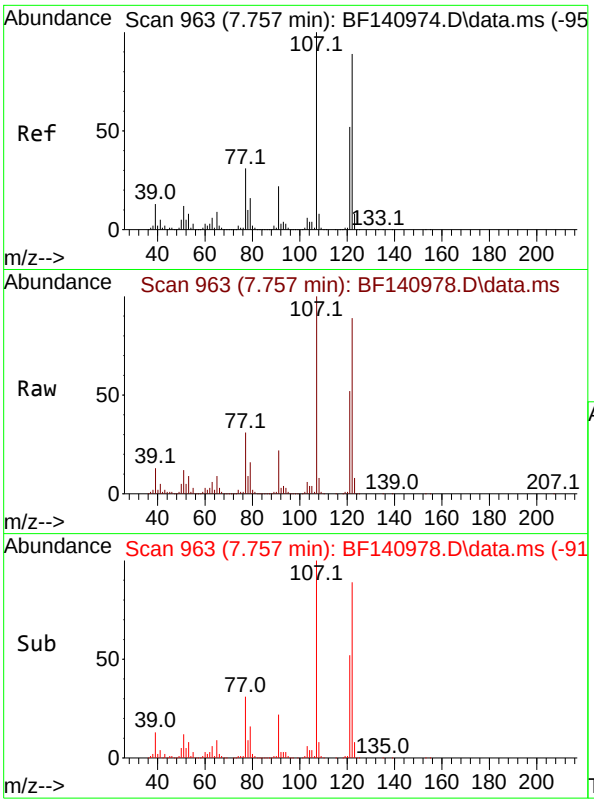


#26
2-Nitrophenol
Concen: 43.185 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:139 Resp: 334326

Ion	Ratio	Lower	Upper
139	100		
109	28.8	22.2	33.4
65	50.7	40.2	60.4

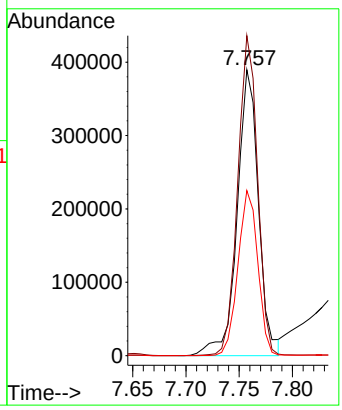




#27
2,4-Dimethylphenol
Concen: 39.926 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:122 Resp: 54435

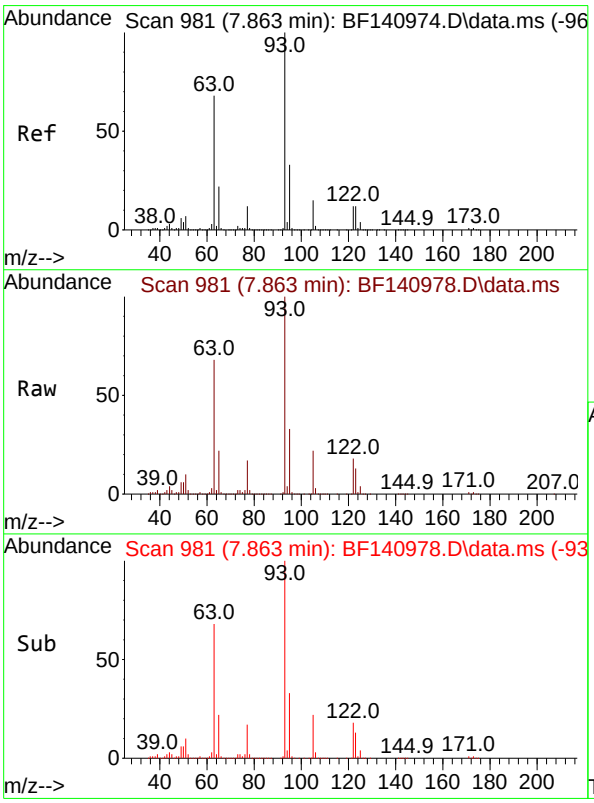
Ion	Ratio	Lower	Upper
122	100		
107	111.9	89.4	134.2
121	57.8	46.7	70.1



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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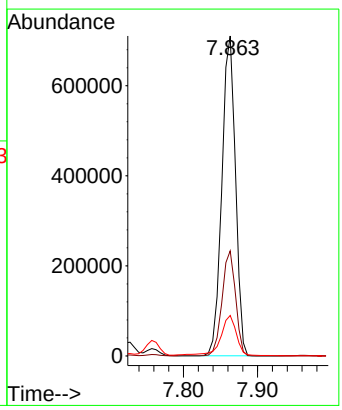
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

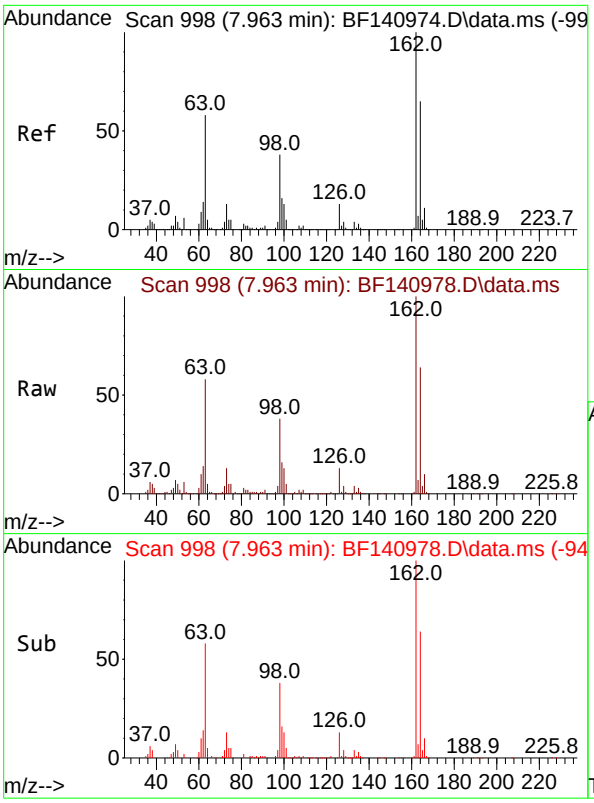


#28
bis(2-Chloroethoxy)methane
Concen: 38.323 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 93 Resp: 905816

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	12.6	9.9	14.9





#29
2,4-Dichlorophenol
Concen: 40.280 ng
RT: 7.963 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

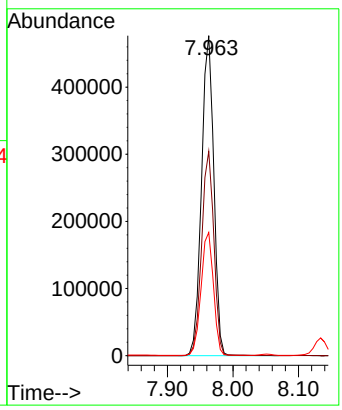
Tgt Ion:162 Resp: 62284

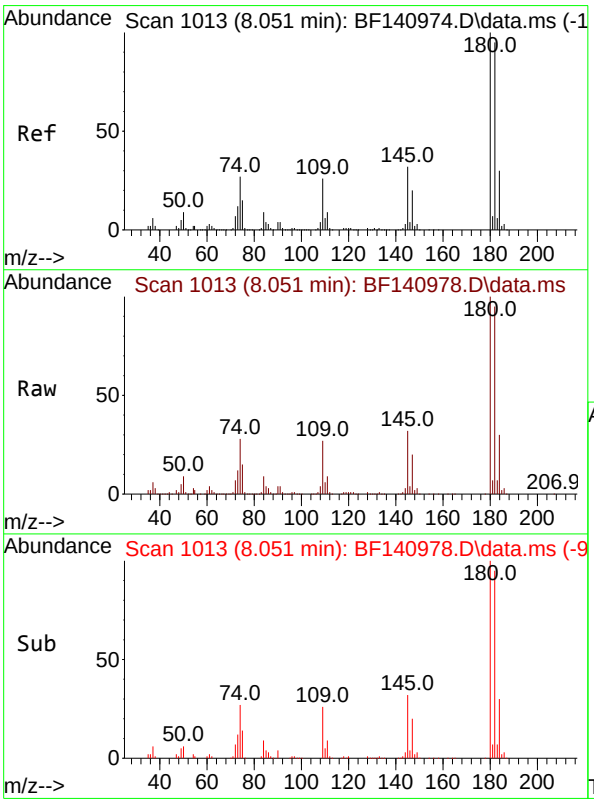
Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.8	84.8
98	38.5	18.6	58.6

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

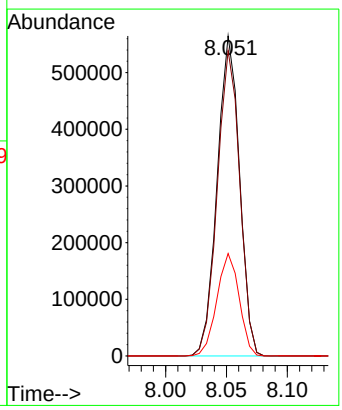


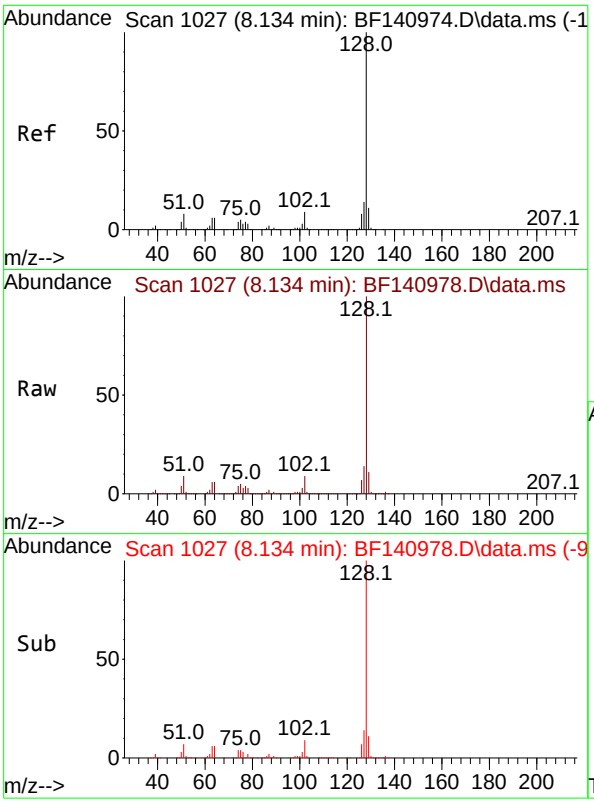


#30
1,2,4-Trichlorobenzene
Concen: 41.204 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:180 Resp: 721146

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.4
145	32.0	25.4	38.2

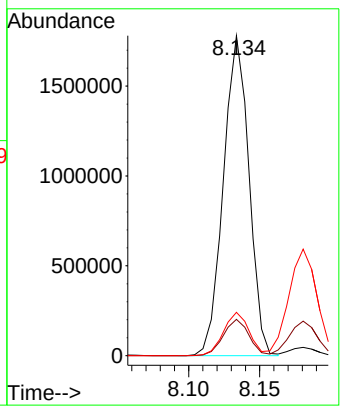




#31
Naphthalene
Concen: 38.493 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:128 Resp: 222474

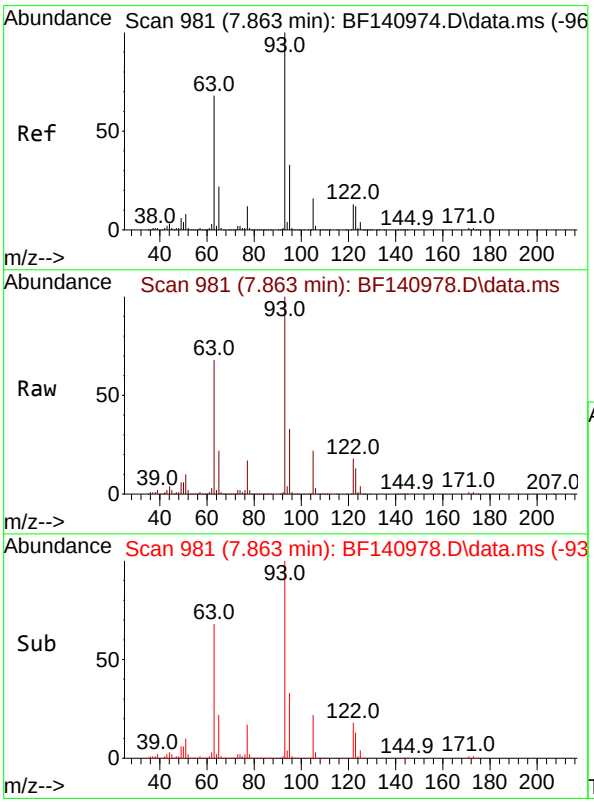
Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.6	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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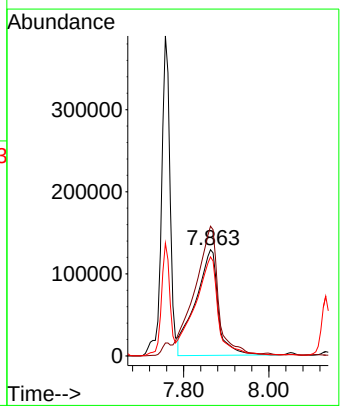
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

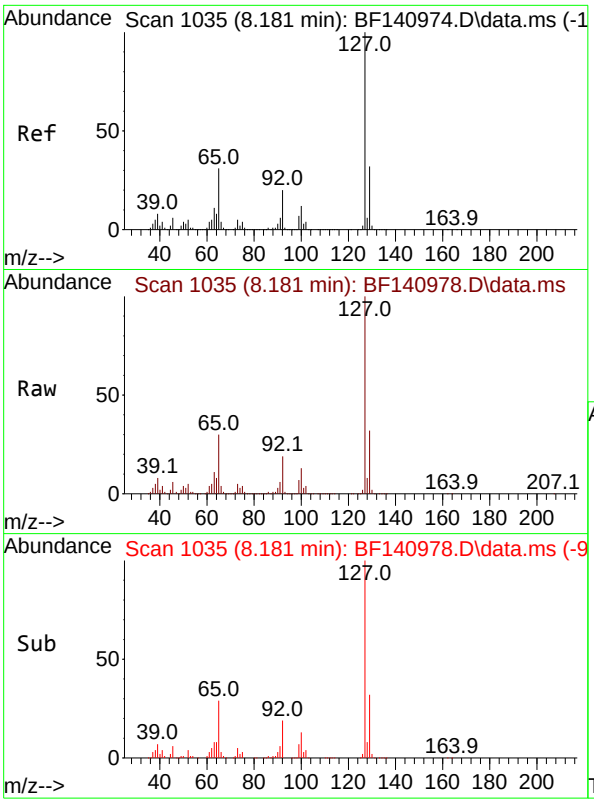


#32
Benzoic acid
Concen: 43.158 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:122 Resp: 473862

Ion	Ratio	Lower	Upper
122	100		
105	122.1	105.4	145.4
77	93.2	76.4	116.4

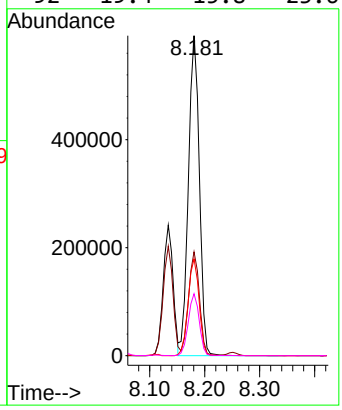




#33
4-Chloroaniline
Concen: 39.203 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:127 Resp: 81967

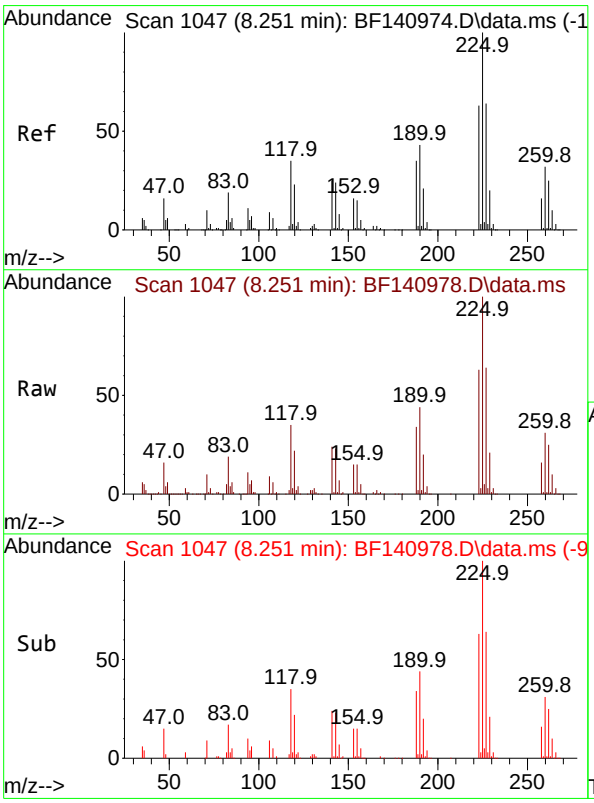
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	30.2	24.6	37.0
92	19.4	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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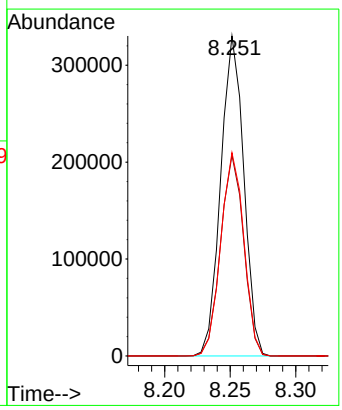
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

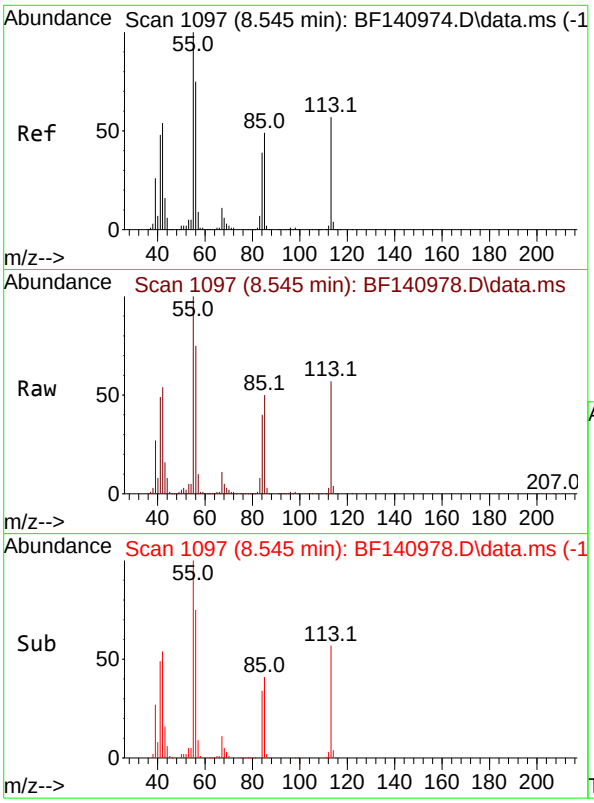


#34
Hexachlorobutadiene
Concen: 39.095 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:225 Resp: 403377

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.3	75.5
227	63.6	50.8	76.2





#35
Caprolactam
Concen: 40.139 ng m
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

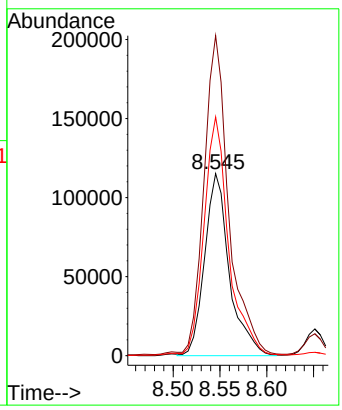
Tgt Ion:113 Resp: 21100

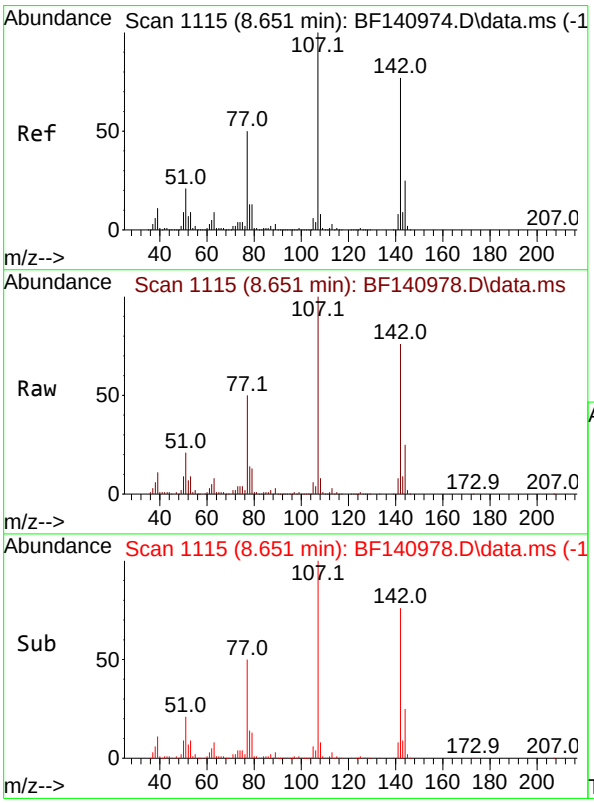
Ion	Ratio	Lower	Upper
113	100		
55	175.7	156.6	196.6
56	131.1	111.7	151.7

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

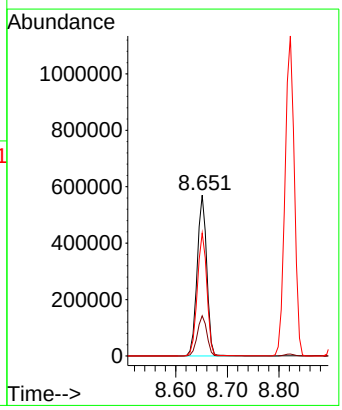


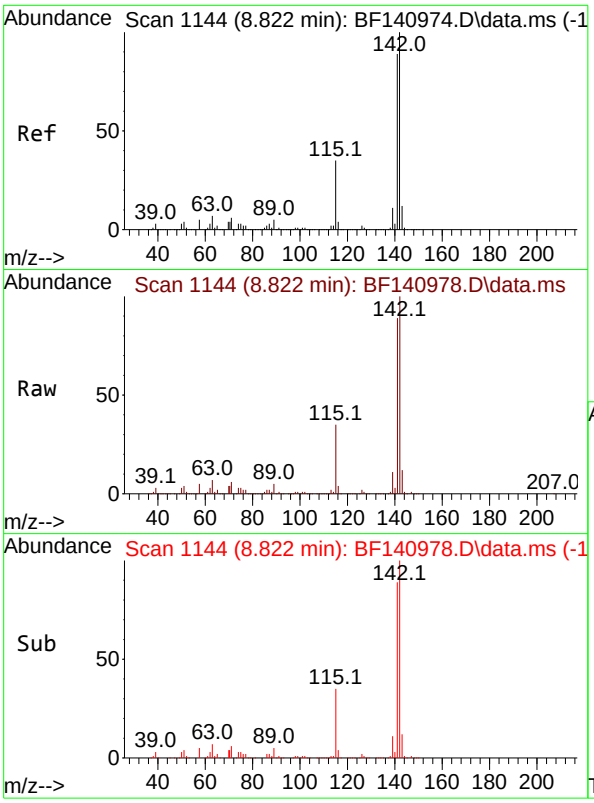


#36
4-Chloro-3-methylphenol
Concen: 42.714 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:107 Resp: 733502

Ion	Ratio	Lower	Upper
107	100		
144	25.0	19.9	29.9
142	76.4	61.8	92.8





#37
2-Methylnaphthalene
Concen: 38.340 ng
RT: 8.822 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

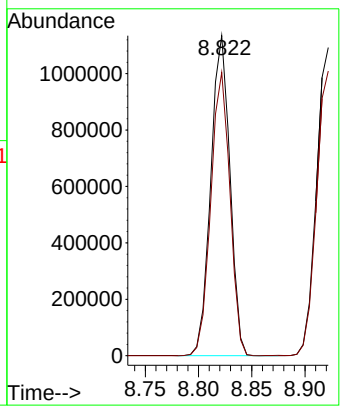
Tgt Ion:142 Resp: 141757

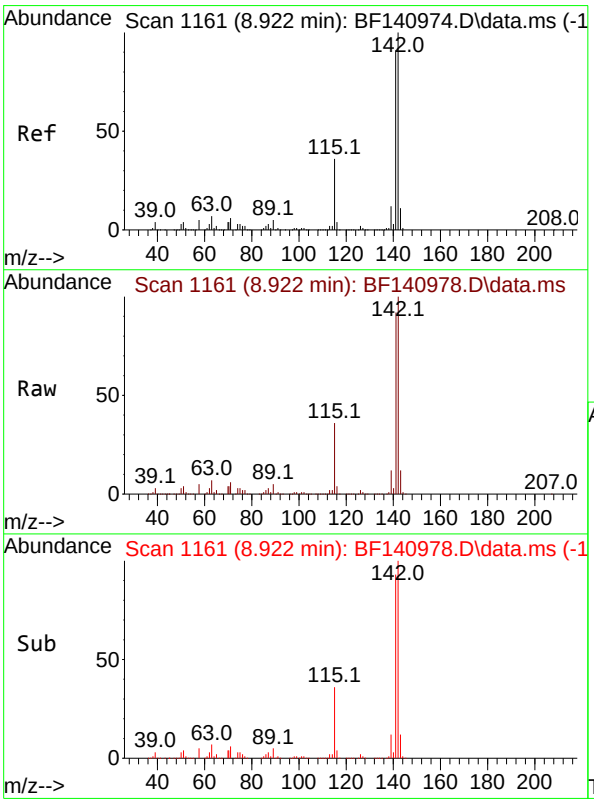
Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.1	106.7

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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Supervised By :mohammad ahmed 12/27/2024

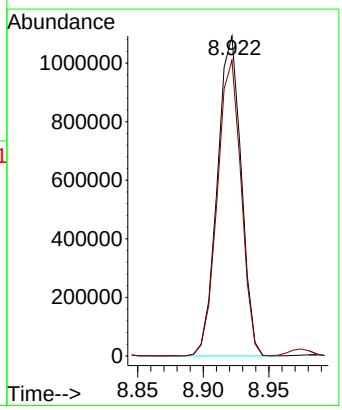


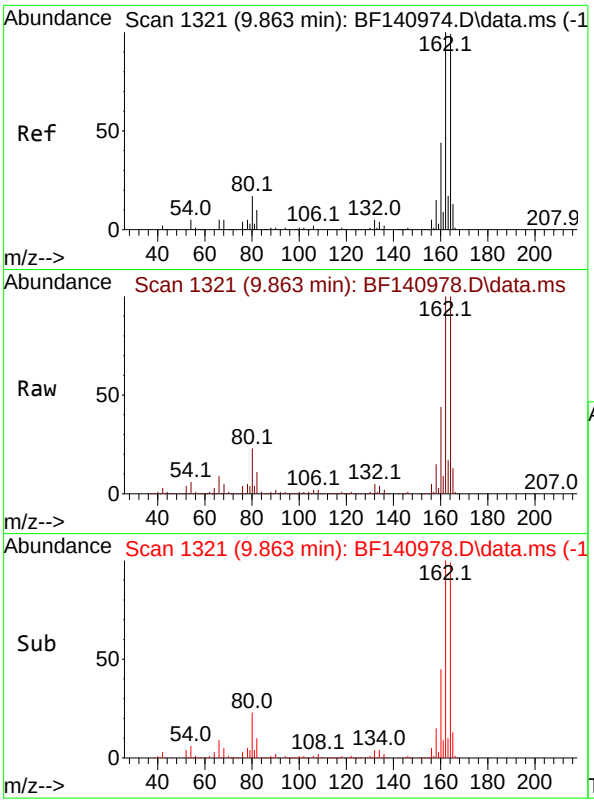


#38
1-Methylnaphthalene
Concen: 37.974 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:142 Resp: 1379859

Ion	Ratio	Lower	Upper
142	100		
141	92.4	72.7	109.1

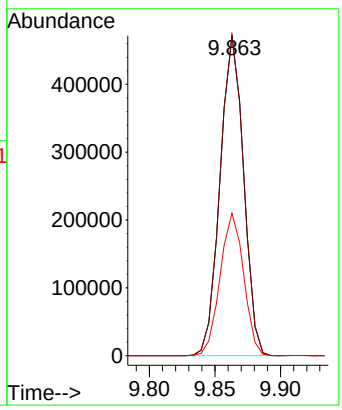




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:164 Resp: 58666

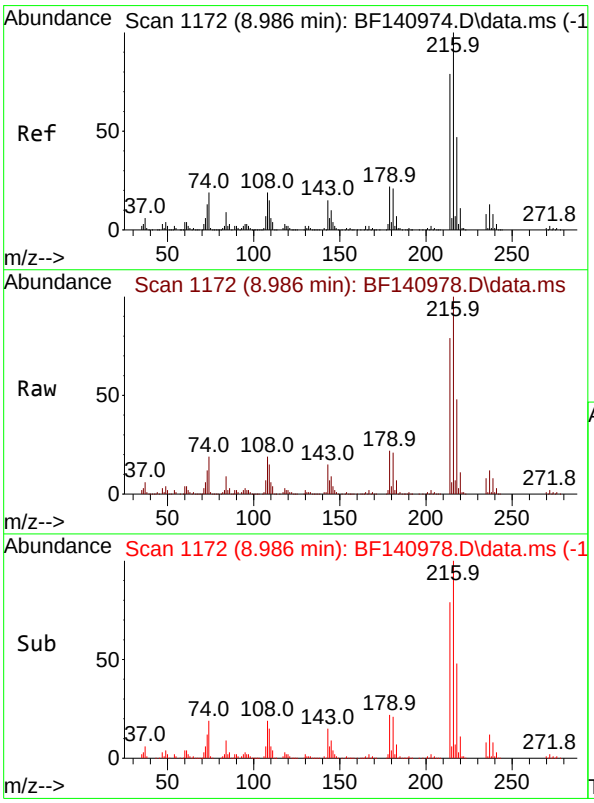
Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.6	120.8
160	44.5	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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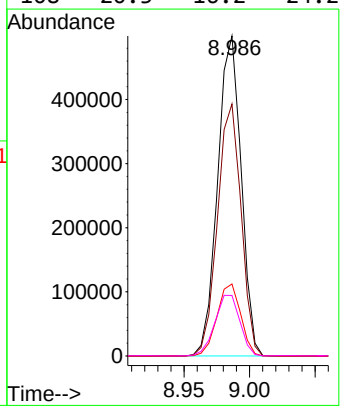
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

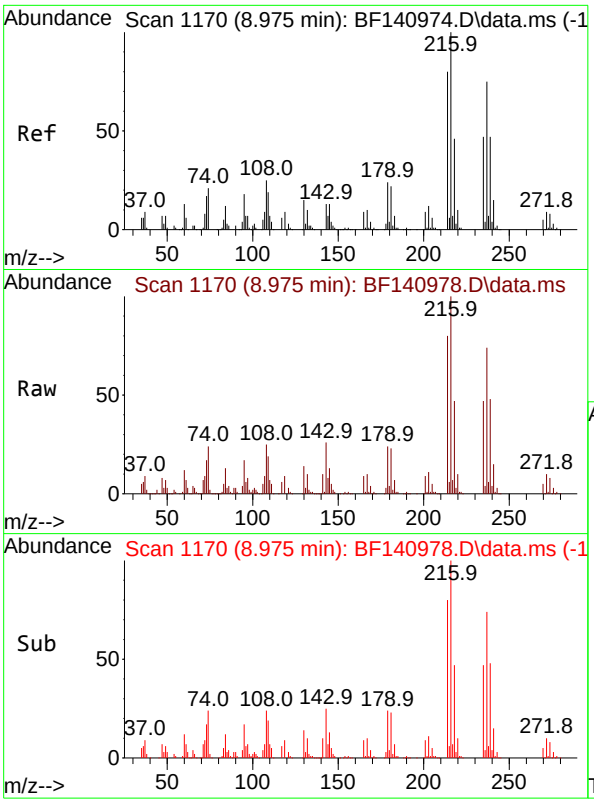


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.527 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:216 Resp: 621819

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.6
179	22.7	17.9	26.9
108	20.3	16.2	24.2





#41
Hexachlorocyclopentadiene
Concen: 40.560 ng
RT: 8.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

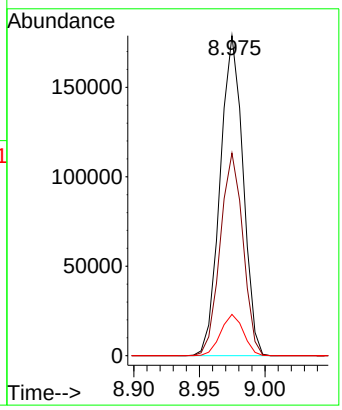
Tgt Ion:237 Resp: 21693

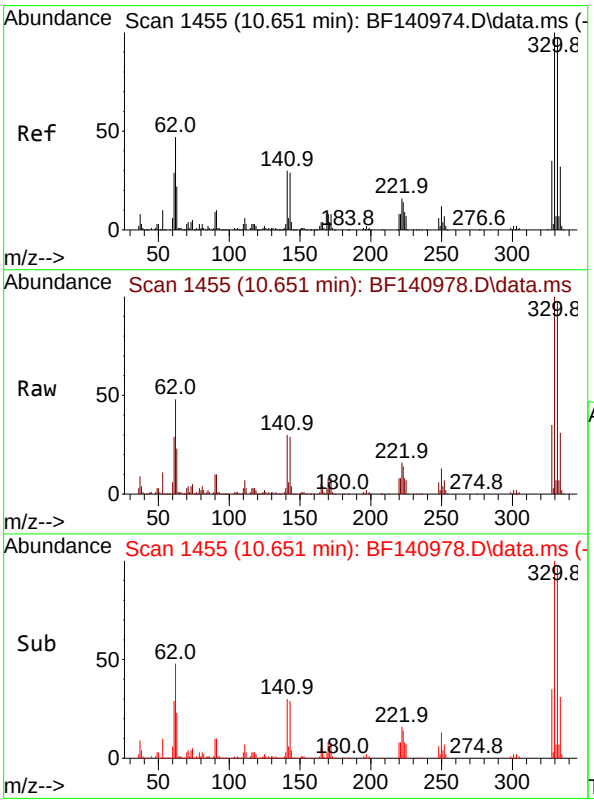
Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.4	83.4
272	12.9	0.0	32.6

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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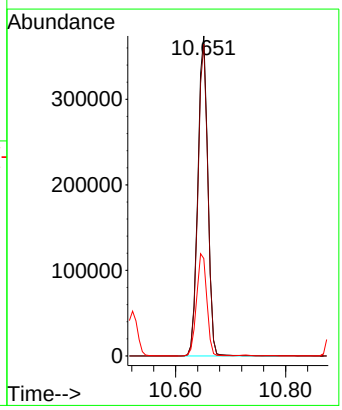


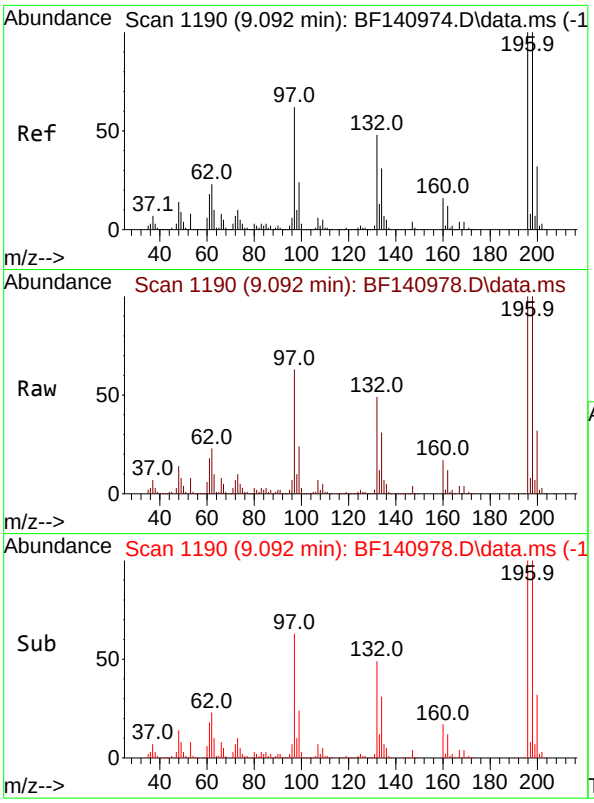


#42
2,4,6-Tribromophenol
Concen: 82.713 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:330 Resp: 471519

Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.0	117.0
141	33.0	26.4	39.6

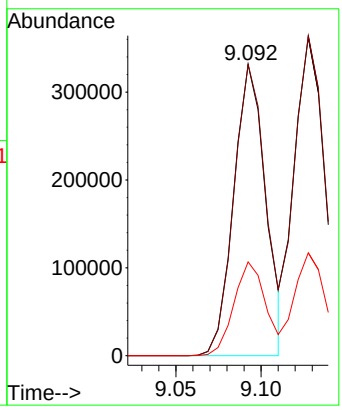




#43
2,4,6-Trichlorophenol
Concen: 40.180 ng
RT: 9.092 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:196 Resp: 43160

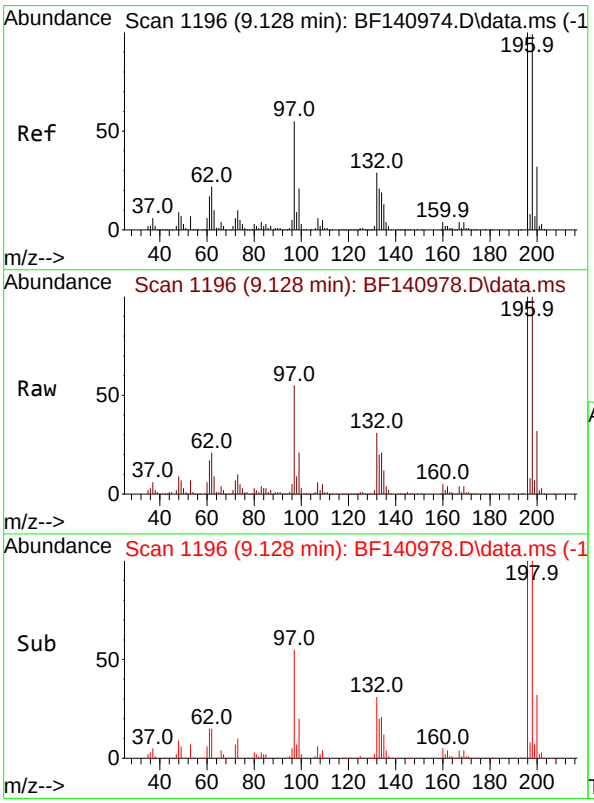
Ion	Ratio	Lower	Upper
196	100		
198	100.2	80.2	120.4
200	32.2	25.8	38.6



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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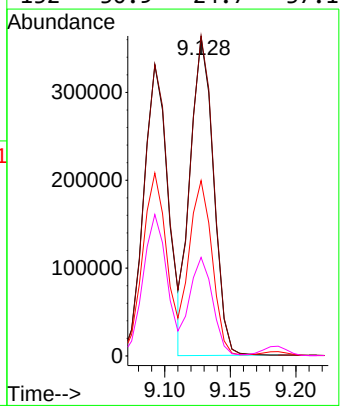
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

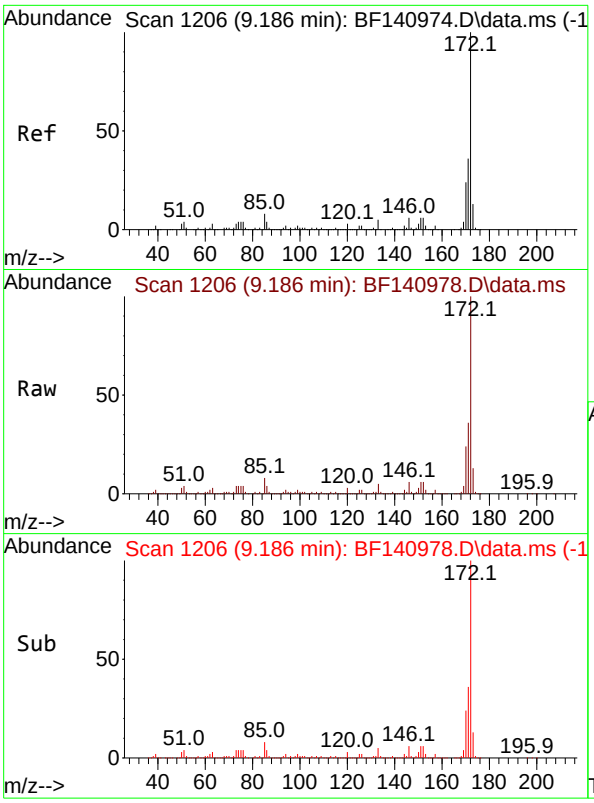


#44
2,4,5-Trichlorophenol
Concen: 40.663 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:196 Resp: 446928

Ion	Ratio	Lower	Upper
196	100		
198	100.5	79.9	119.9
97	55.1	44.3	66.5
132	30.9	24.7	37.1

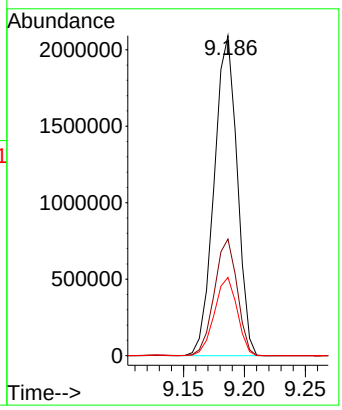




#45
2-Fluorobiphenyl
Concen: 74.821 ng
RT: 9.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:172 Resp: 275505

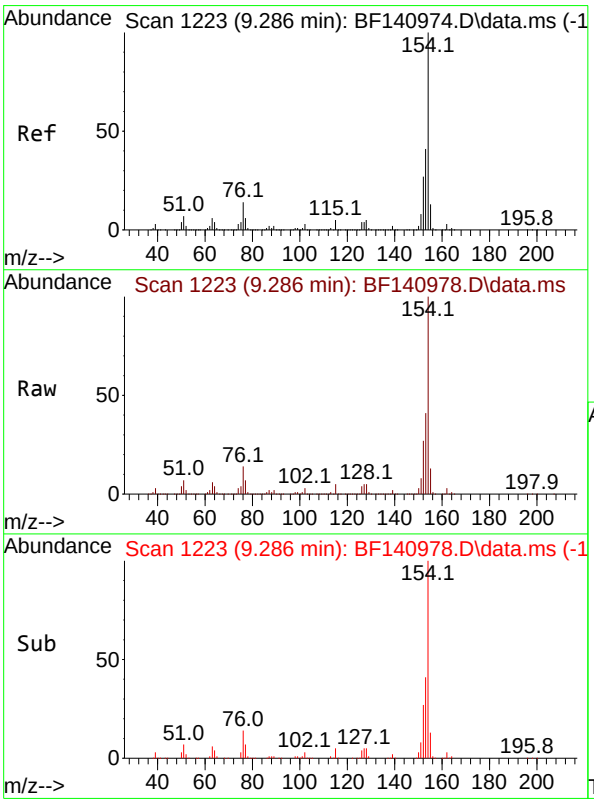
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	24.4	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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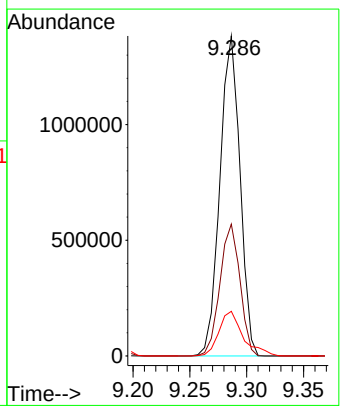
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

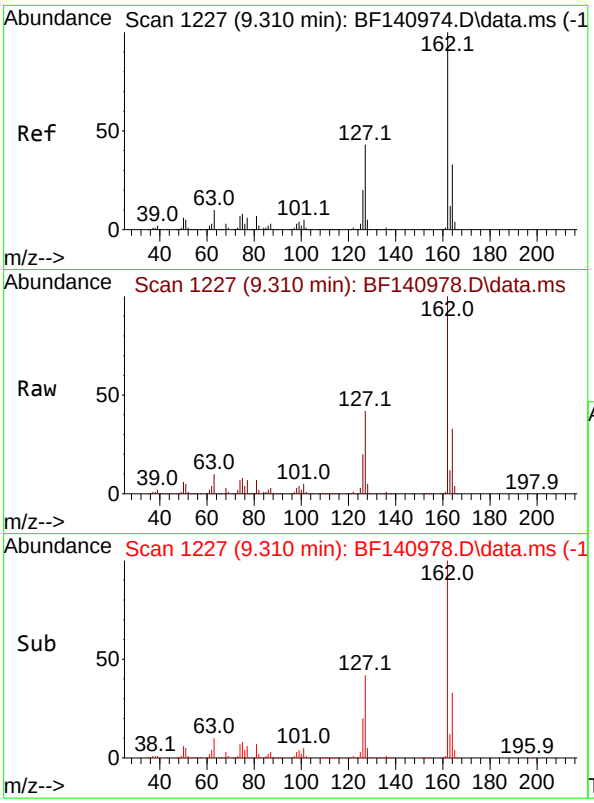


#46
1,1'-Biphenyl
Concen: 37.916 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:154 Resp: 1703208

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.9	60.9
76	14.0	0.0	34.0

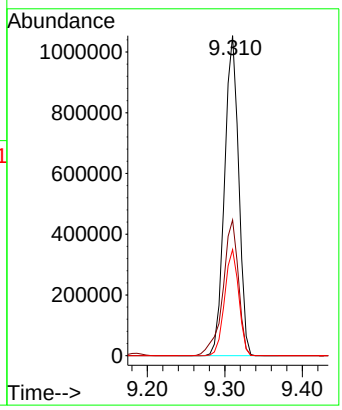




#47
2-Chloronaphthalene
Concen: 38.442 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:162 Resp: 133928

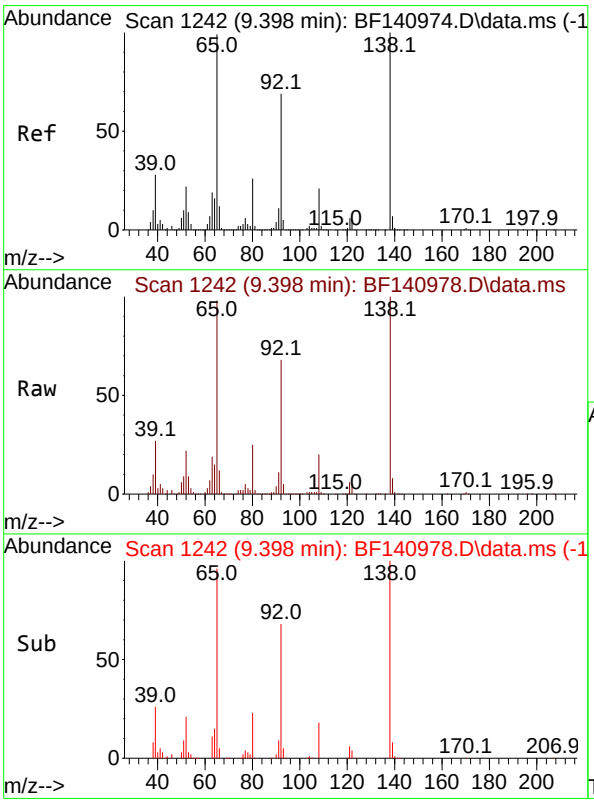
Ion	Ratio	Lower	Upper
162	100		
127	42.4	34.2	51.4
164	33.2	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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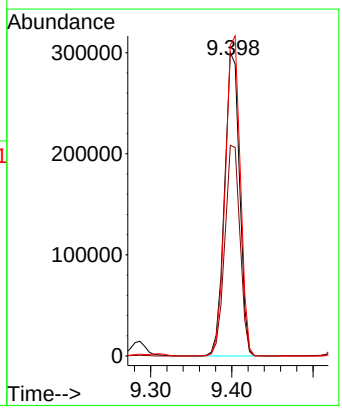
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

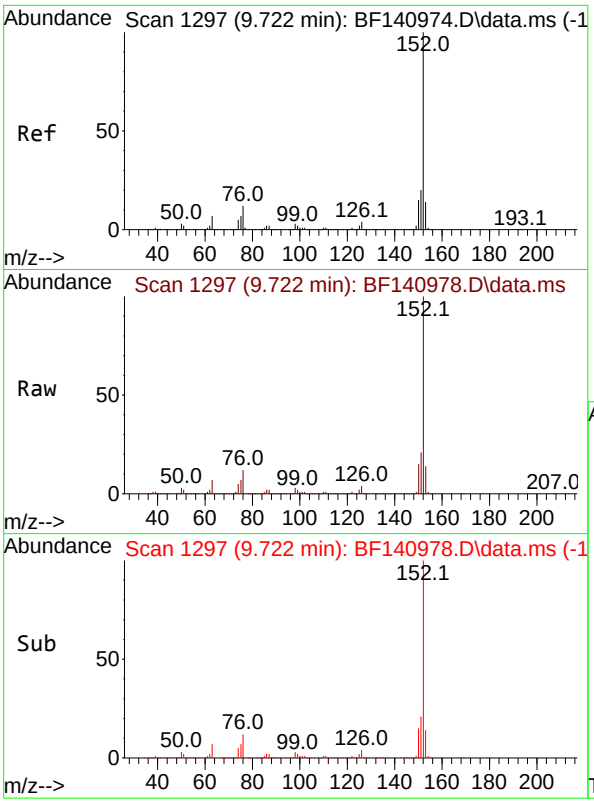


#48
2-Nitroaniline
Concen: 43.198 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 65 Resp: 389029

Ion	Ratio	Lower	Upper
65	100		
92	69.5	55.6	83.4
138	102.5	80.5	120.7

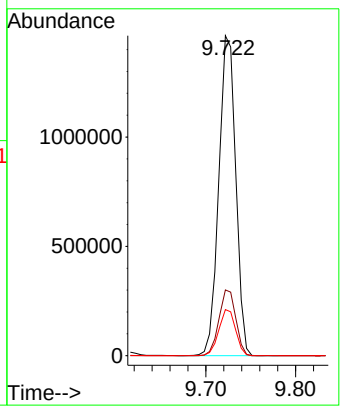




#49
Acenaphthylene
Concen: 38.272 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:152 Resp: 191943

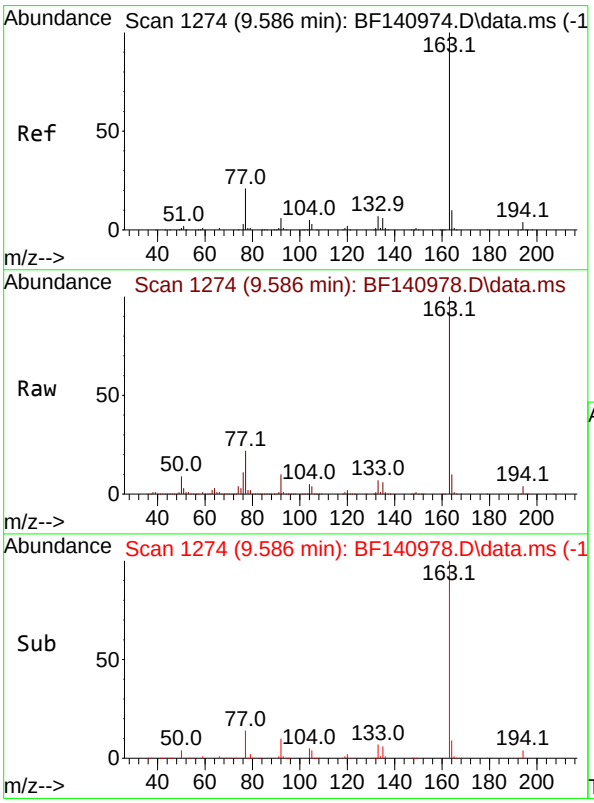
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4
153	14.4	11.4	17.0



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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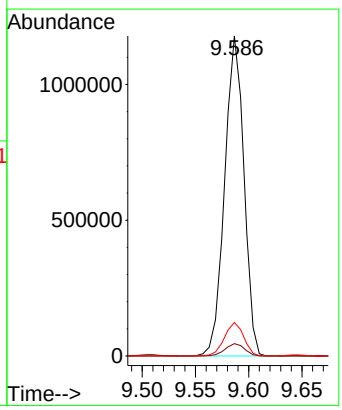
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

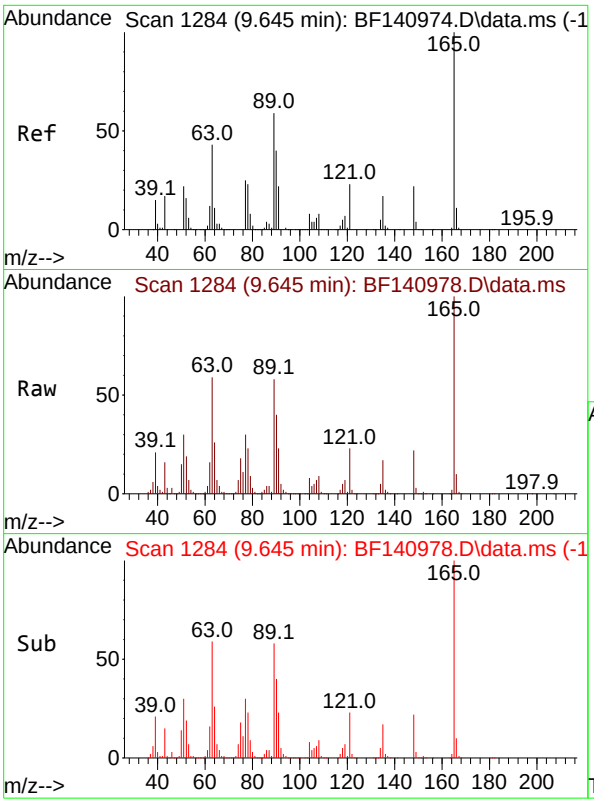


#50
Dimethylphthalate
Concen: 38.422 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:163 Resp: 1482676

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 42.386 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

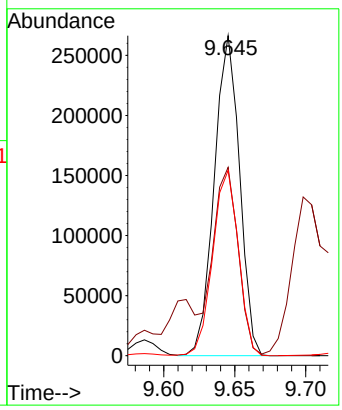
Tgt Ion:165 Resp: 32992

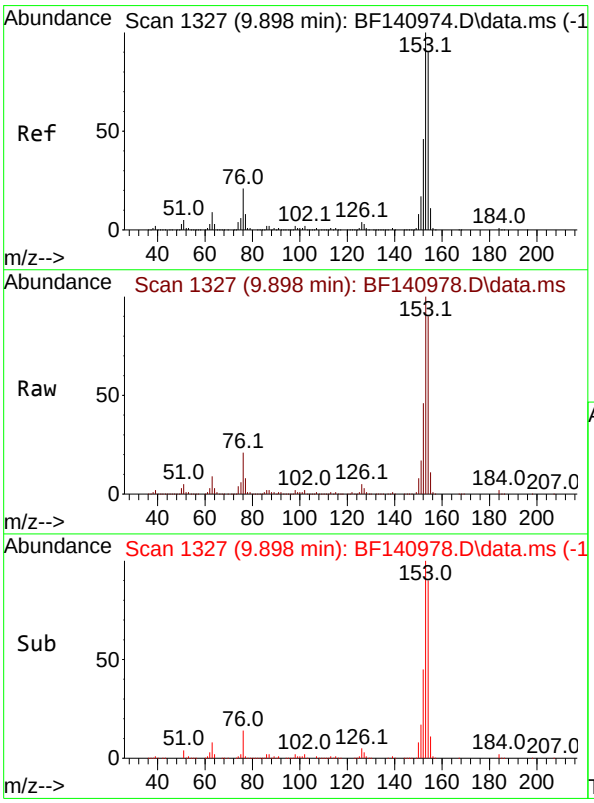
Ion	Ratio	Lower	Upper
165	100		
63	58.9	47.1	70.7
89	57.9	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

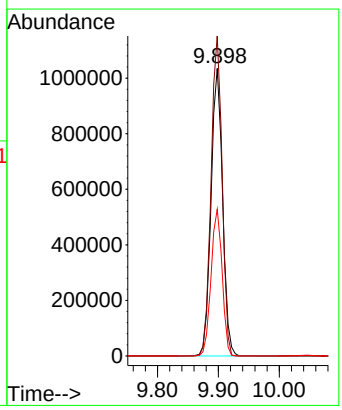


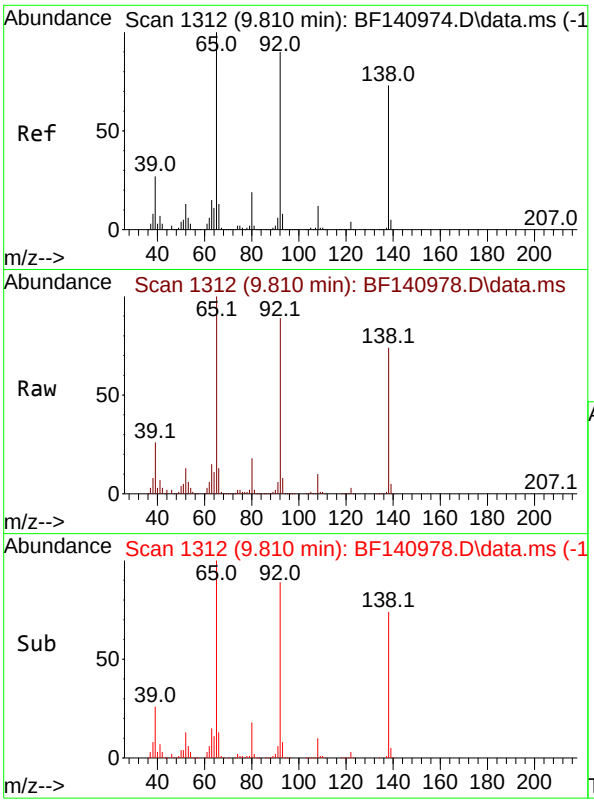


#52
Acenaphthene
Concen: 40.168 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:154 Resp: 1361911

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.2	133.8
152	51.0	40.9	61.3





#53
3-Nitroaniline
Concen: 42.522 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

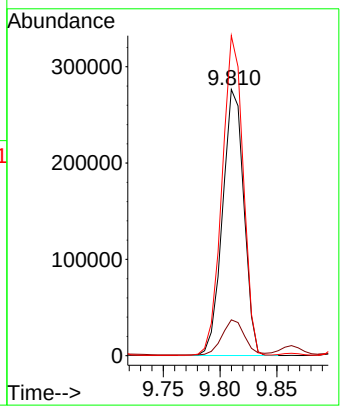
Tgt Ion:138 Resp: 36049

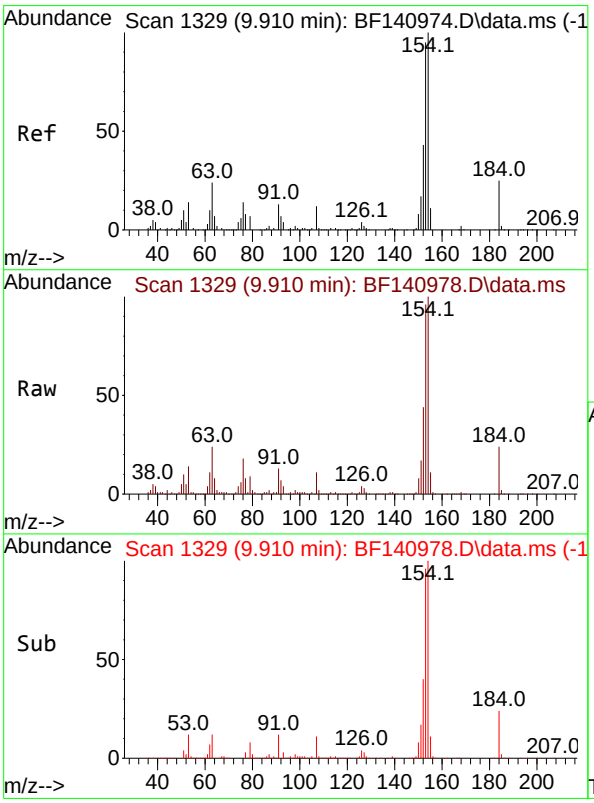
Ion	Ratio	Lower	Upper
138	100		
108	13.4	13.5	20.3#
92	120.2	97.7	146.5

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

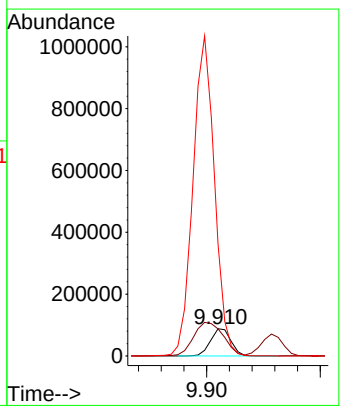


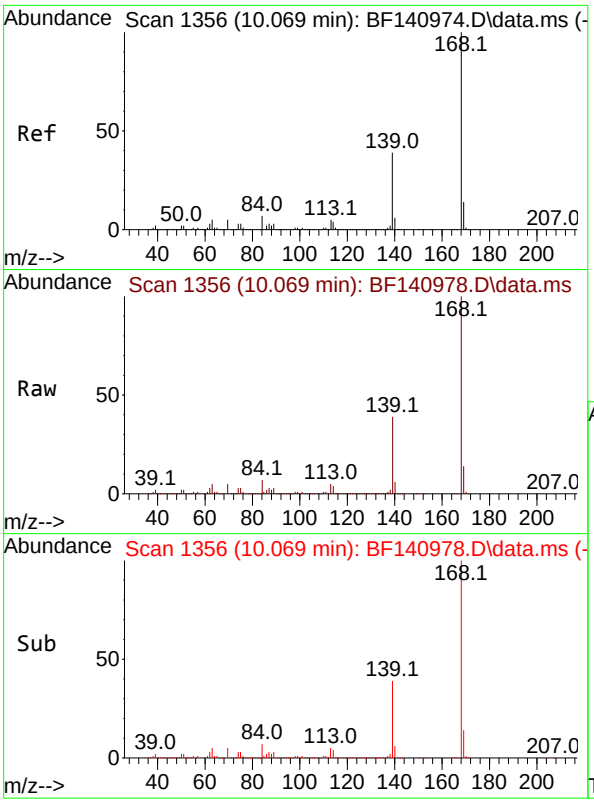


#54
2,4-Dinitrophenol
Concen: 45.538 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:184 Resp: 110045

Ion	Ratio	Lower	Upper
184	100		
63	99.5	81.6	122.4
154	410.3	363.5	545.3





#55
Dibenzofuran
Concen: 38.318 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

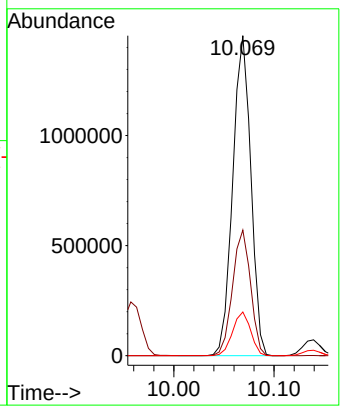
Tgt Ion:168 Resp: 182581

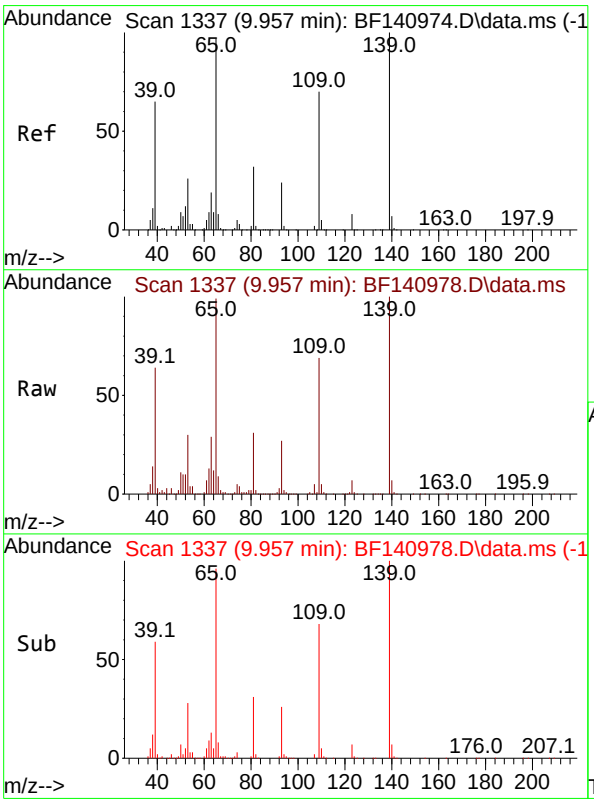
Ion	Ratio	Lower	Upper
168	100		
139	39.2	31.6	47.4
169	13.6	11.0	16.6

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

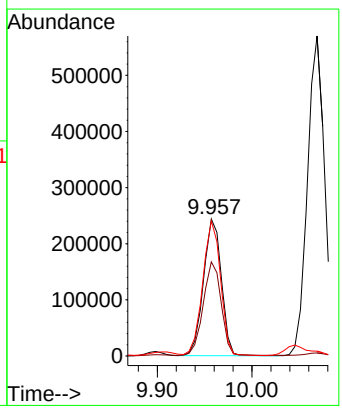


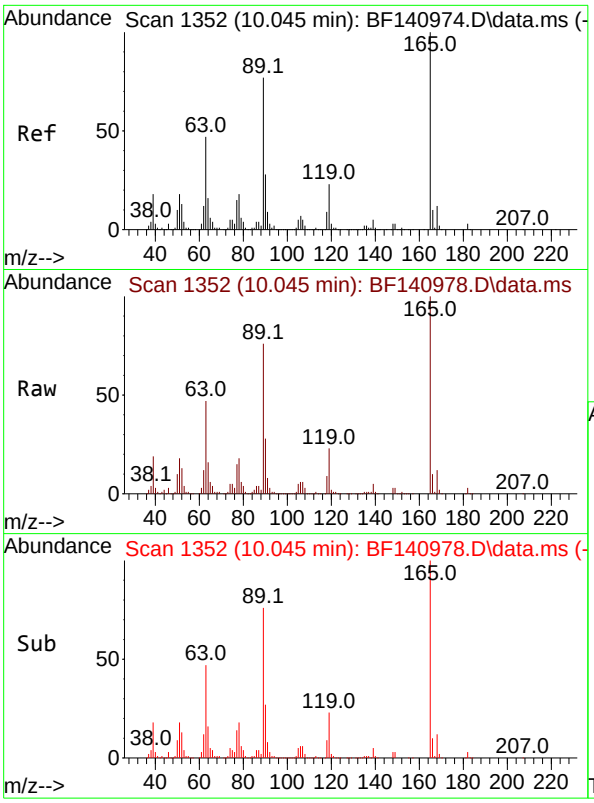


#56
4-Nitrophenol
Concen: 48.593 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:139 Resp: 320756

Ion	Ratio	Lower	Upper
139	100		
109	68.6	50.8	90.8
65	98.5	78.5	118.5

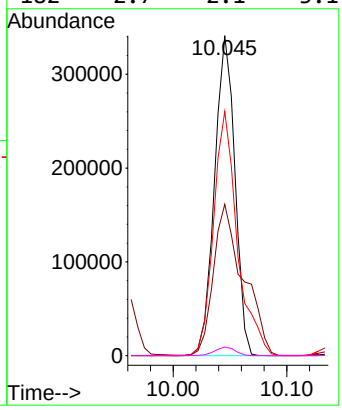




#57
2,4-Dinitrotoluene
Concen: 44.506 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:165 Resp: 42511

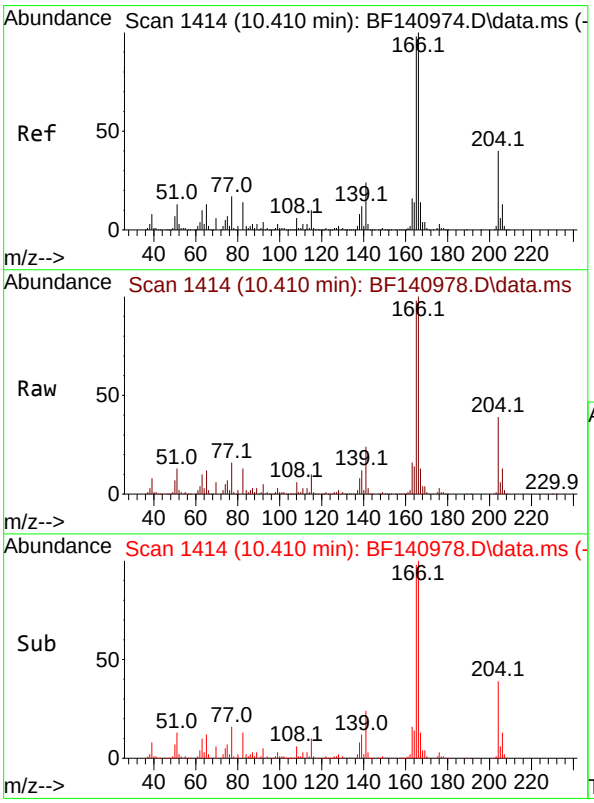
Ion	Ratio	Lower	Upper
165	100		
63	47.3	38.1	57.1
89	76.3	61.4	92.2
182	2.7	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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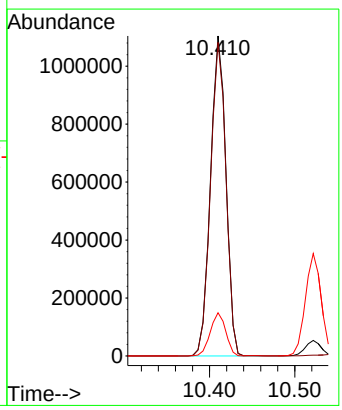
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

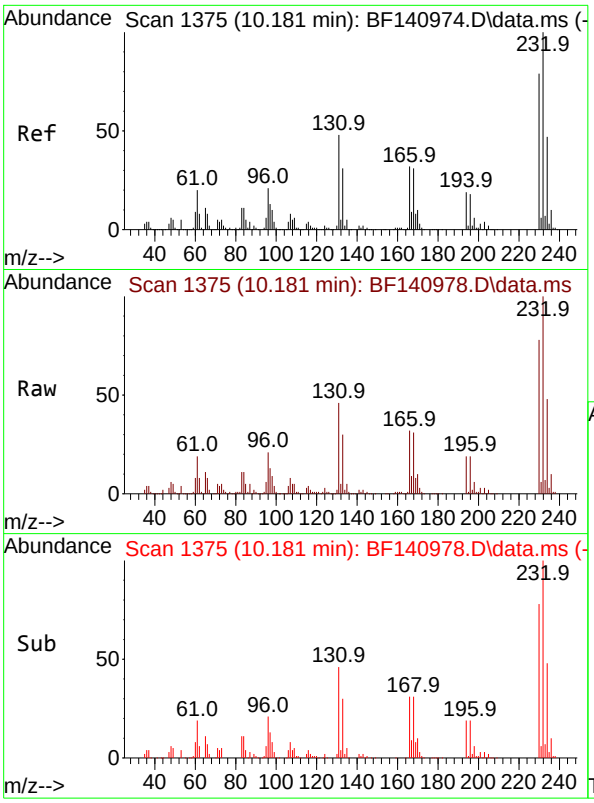


#58
Fluorene
Concen: 37.668 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:166 Resp: 1391829

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.3	117.5
167	13.5	10.9	16.3

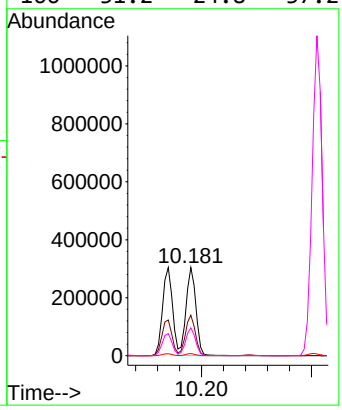




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.681 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:232 Resp: 37940

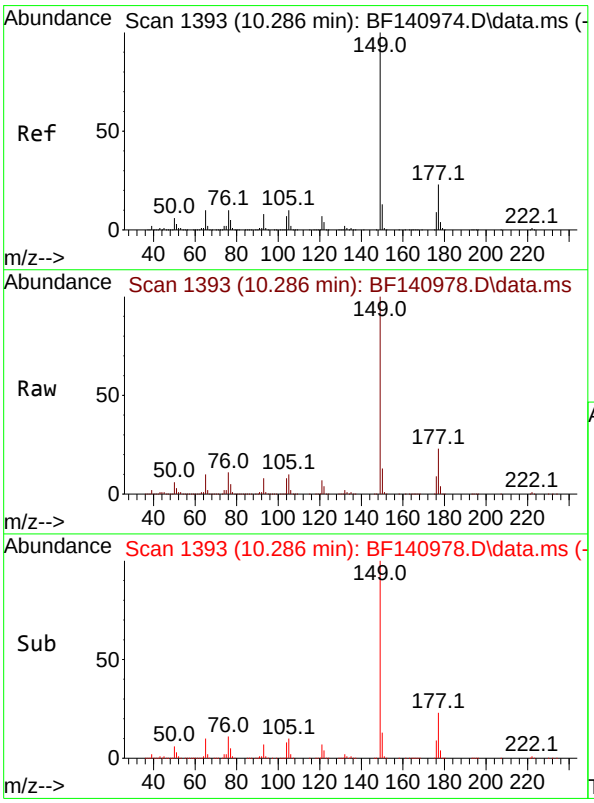
Ion	Ratio	Lower	Upper
232	100		
131	45.6	37.4	56.2
130	2.3	1.8	2.8
166	31.2	24.8	37.2



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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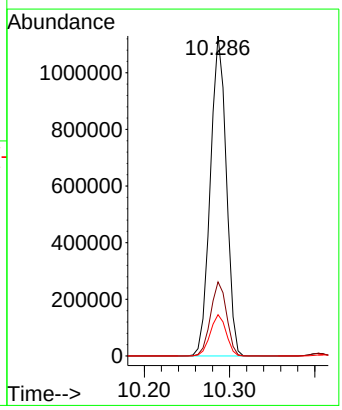
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

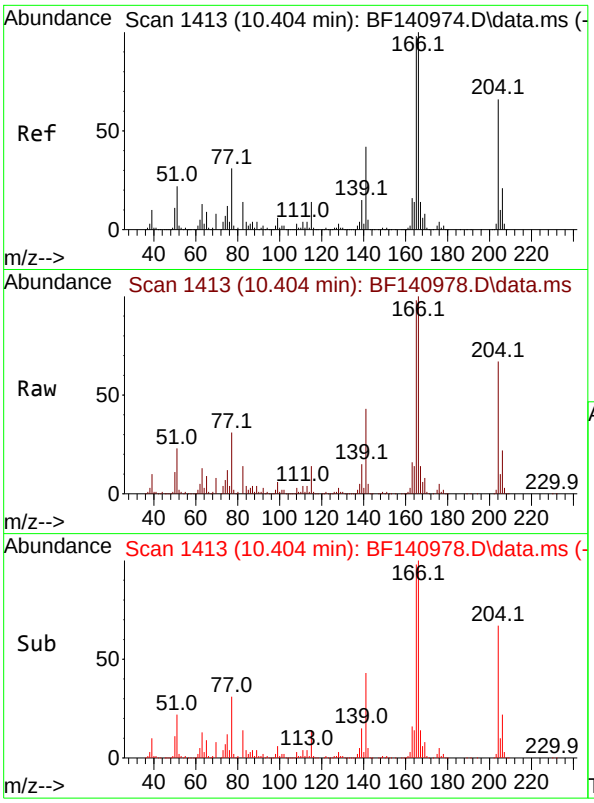


#60
Diethylphthalate
Concen: 38.629 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:149 Resp: 1471636

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.3	27.5
150	12.9	10.4	15.6

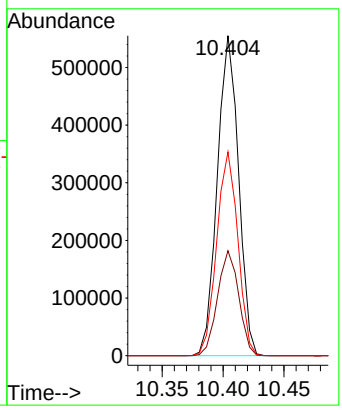




#61
4-Chlorophenyl-phenylether
Concen: 37.928 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:204 Resp: 67432

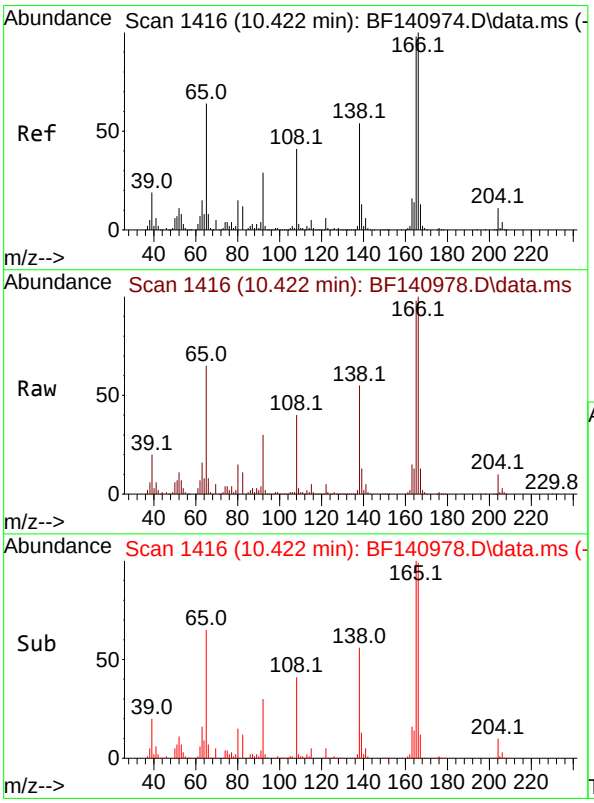
Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.6
141	63.7	51.2	76.8



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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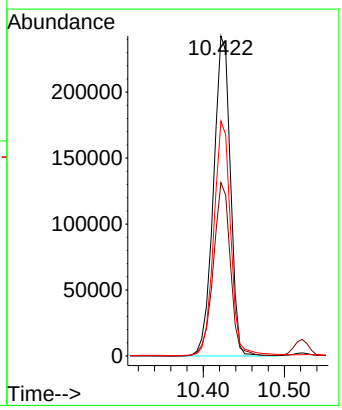
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

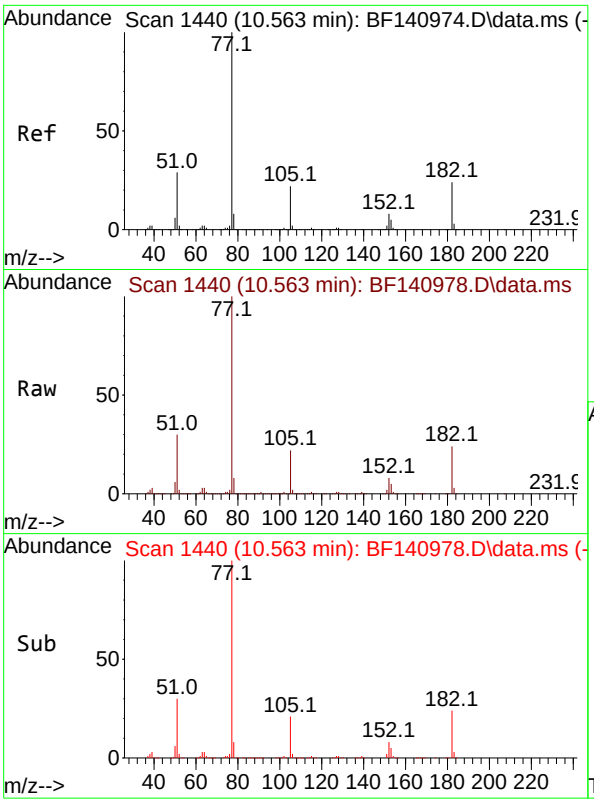


#62
4-Nitroaniline
Concen: 41.571 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:138 Resp: 351313

Ion	Ratio	Lower	Upper
138	100		
92	54.1	34.8	74.8
108	73.4	55.9	95.9

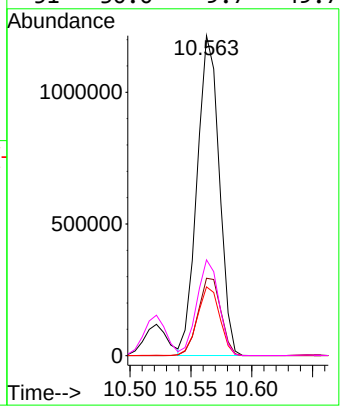




#63
Azobenzene
Concen: 38.471 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 77 Resp: 153832

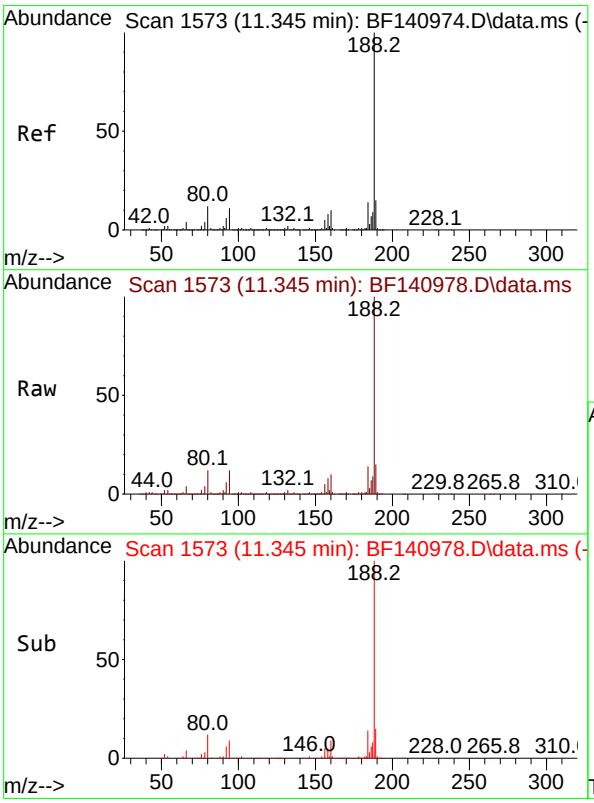
Ion	Ratio	Lower	Upper
77	100		
182	24.2	4.1	44.1
105	21.5	1.8	41.8
51	30.0	9.7	49.7



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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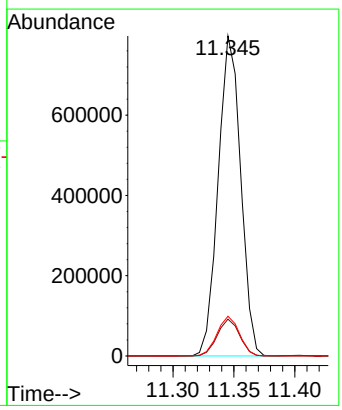
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

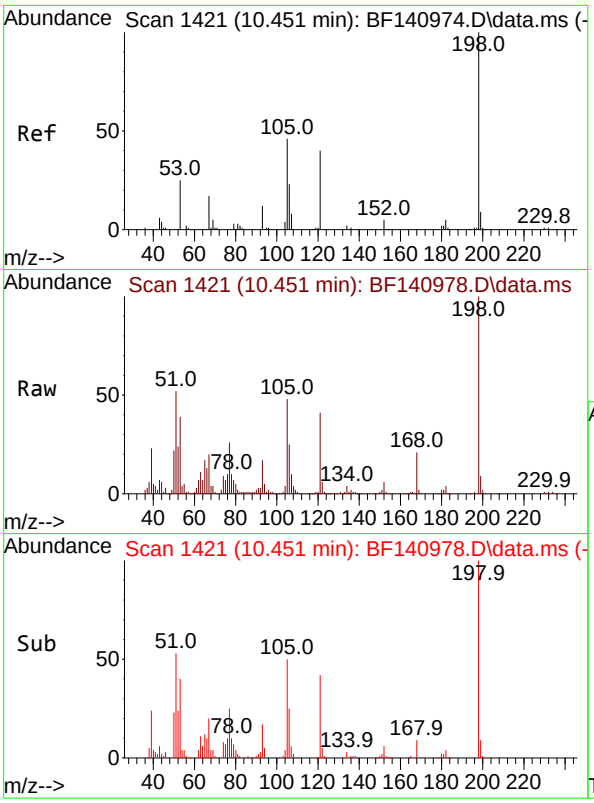


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:188 Resp: 1025959

Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.0	13.6
80	12.4	9.8	14.6





#65
4,6-Dinitro-2-methylphenol
Concen: 43.296 ng
RT: 10.451 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

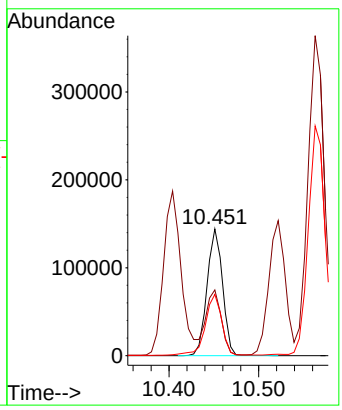
Tgt Ion:198 Resp: 17245

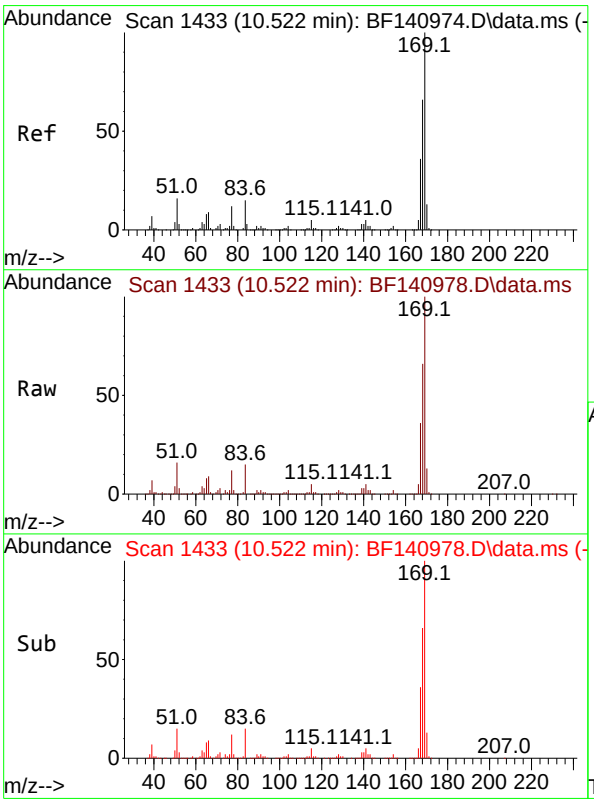
Ion	Ratio	Lower	Upper
198	100		
51	51.9	32.3	72.3
105	48.3	28.4	68.4

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

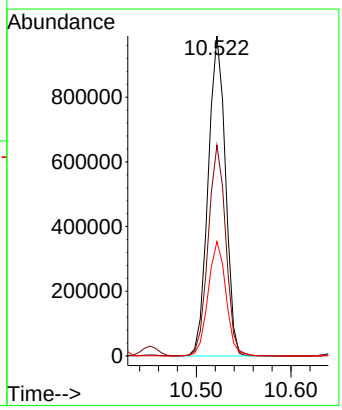


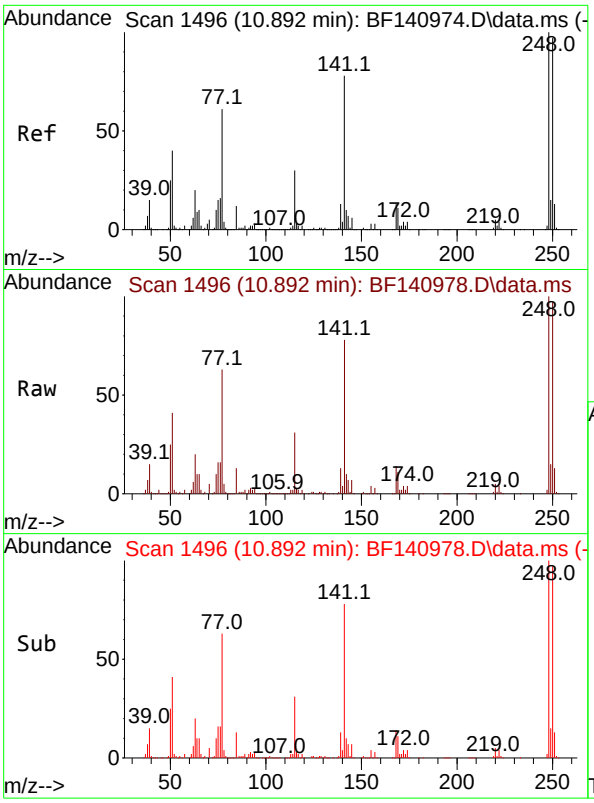


#66
n-Nitrosodiphenylamine
Concen: 38.777 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:169 Resp: 1252782

Ion	Ratio	Lower	Upper
169	100		
168	65.8	52.6	79.0
167	35.8	29.0	43.4

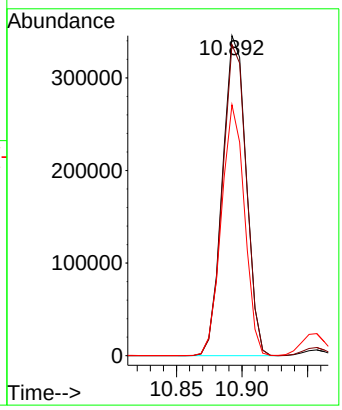




#67
4-Bromophenyl-phenylether
Concen: 39.247 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:248 Resp: 43528

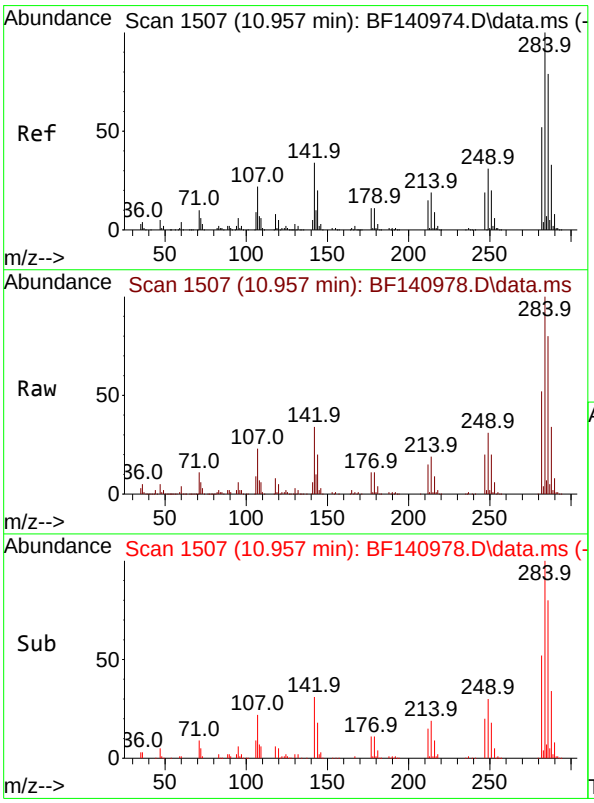
Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.7	116.5
141	78.4	62.1	93.1



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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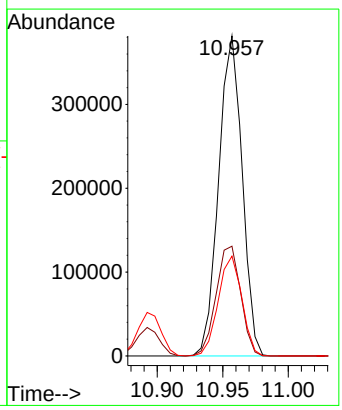
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

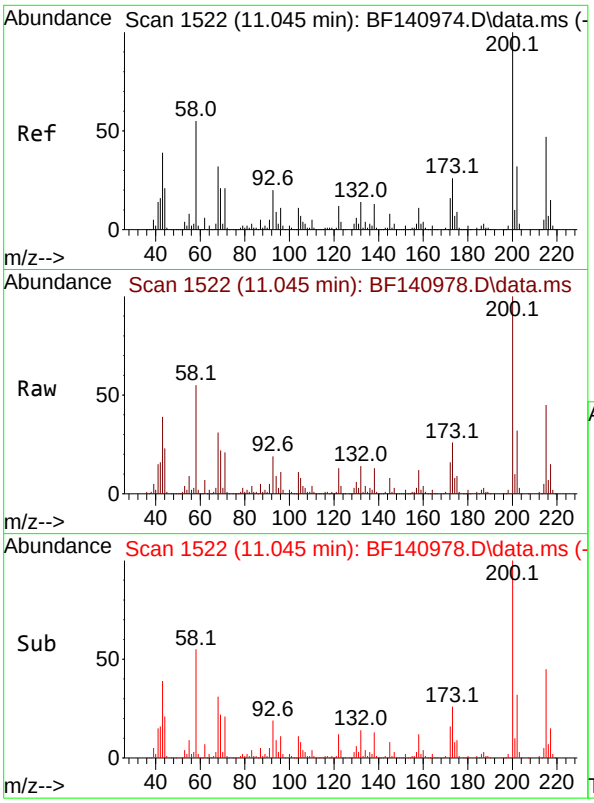


#68
Hexachlorobenzene
Concen: 38.890 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:284 Resp: 475602

Ion	Ratio	Lower	Upper
284	100		
142	34.3	27.1	40.7
249	31.2	25.1	37.7

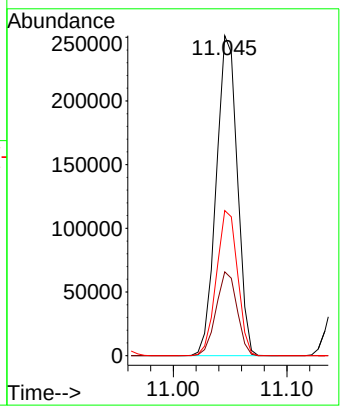




#69
Atrazine
Concen: 35.858 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:200 Resp: 32363

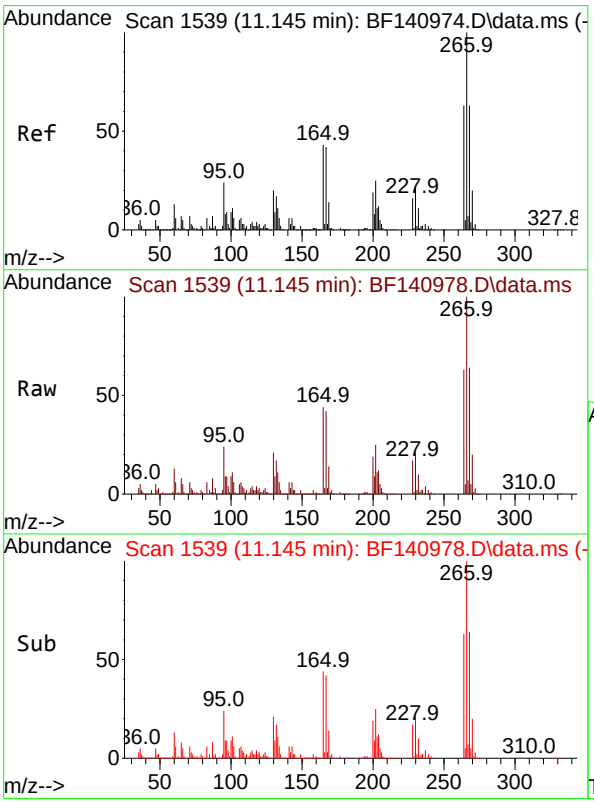
Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.4	46.4
215	45.3	27.2	67.2



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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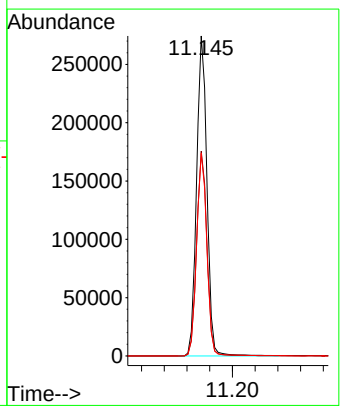
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

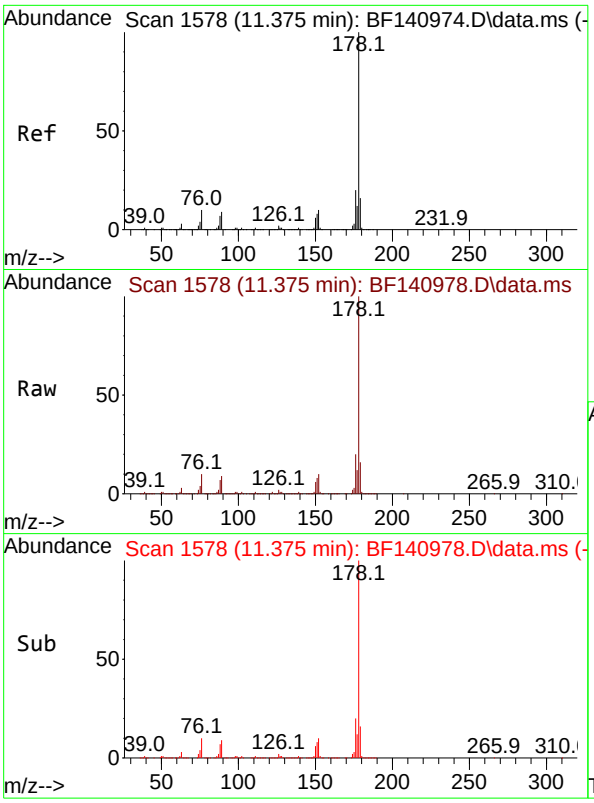


#70
Pentachlorophenol
Concen: 45.869 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:266 Resp: 349248

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.5	75.7
264	63.4	50.2	75.4

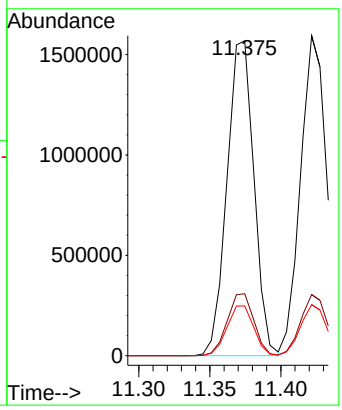




#71
Phenanthrene
Concen: 38.373 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:178 Resp: 207201

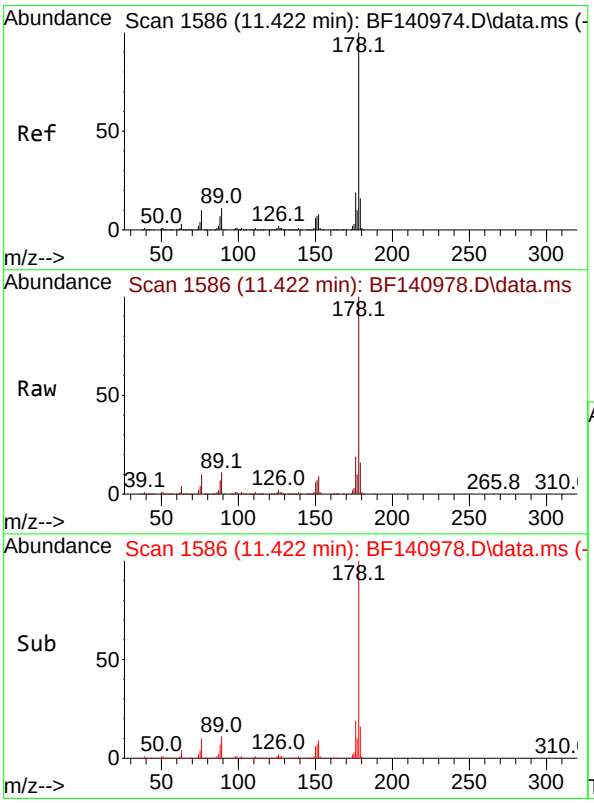
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	15.8	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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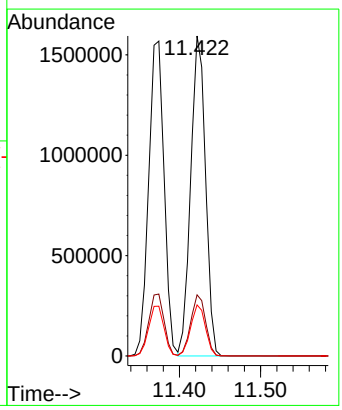
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

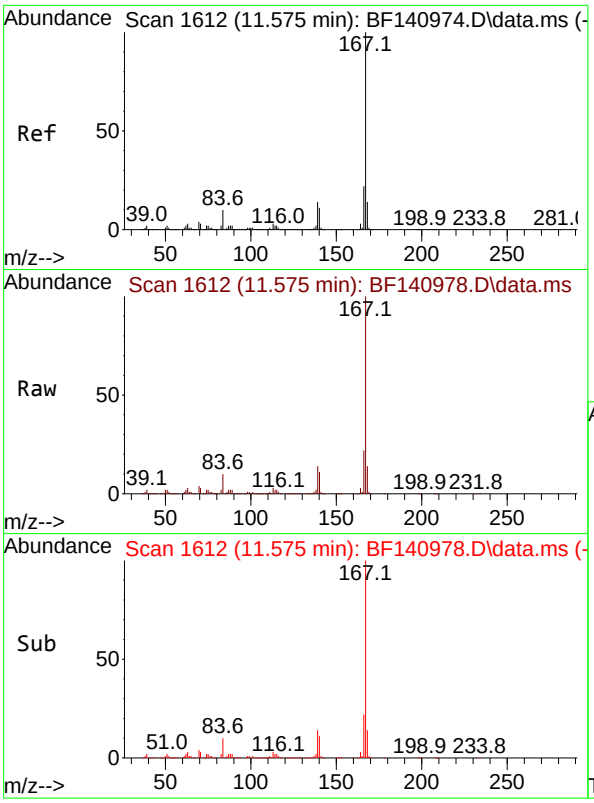


#72
Anthracene
Concen: 38.325 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:178 Resp: 2027823

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	16.0	12.9	19.3

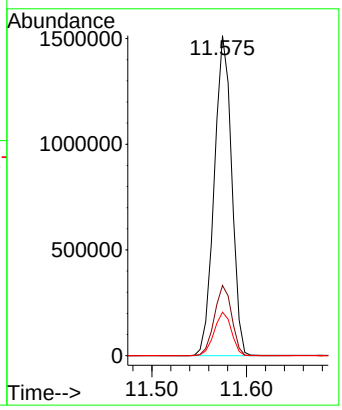




#73
Carbazole
Concen: 38.096 ng
RT: 11.575 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:167 Resp: 193773

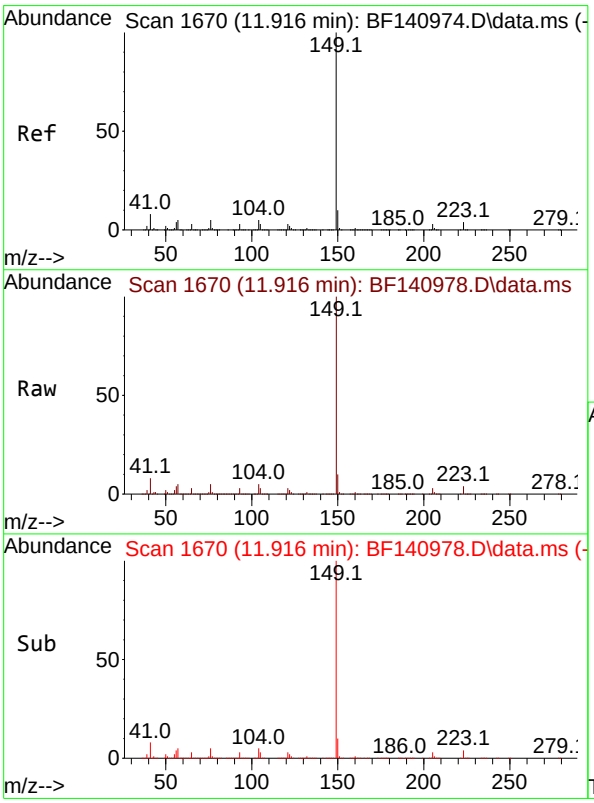
Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.5	26.3
139	13.6	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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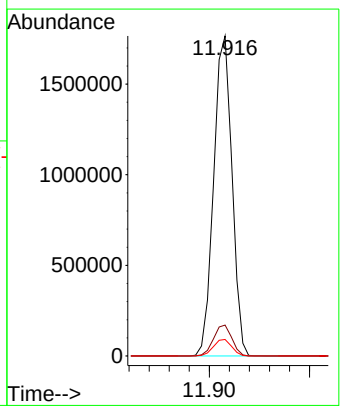
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

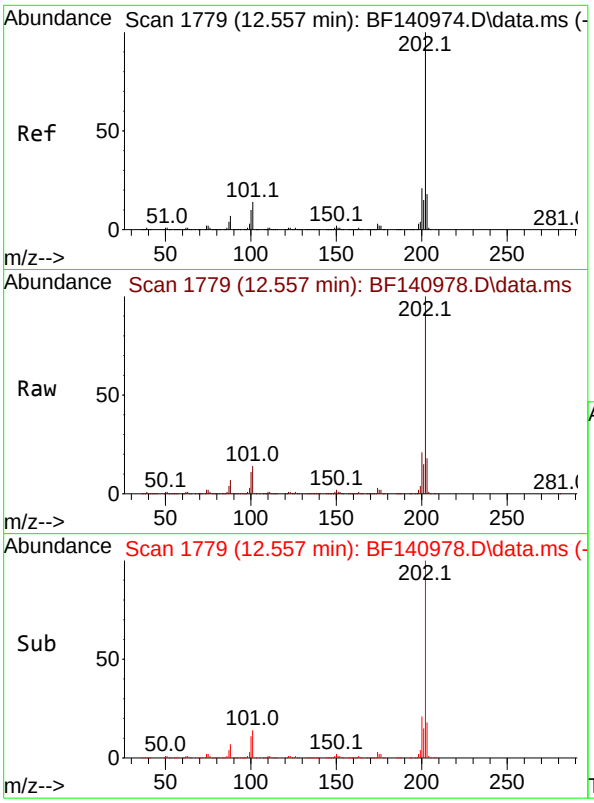


#74
Di-n-butylphthalate
Concen: 38.673 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:149 Resp: 2237362

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	5.1	4.1	6.1





#75
Fluoranthene
Concen: 37.724 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

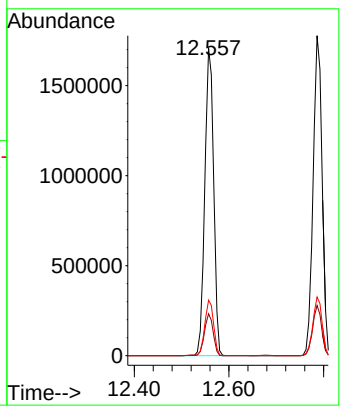
Tgt Ion:202 Resp: 220924

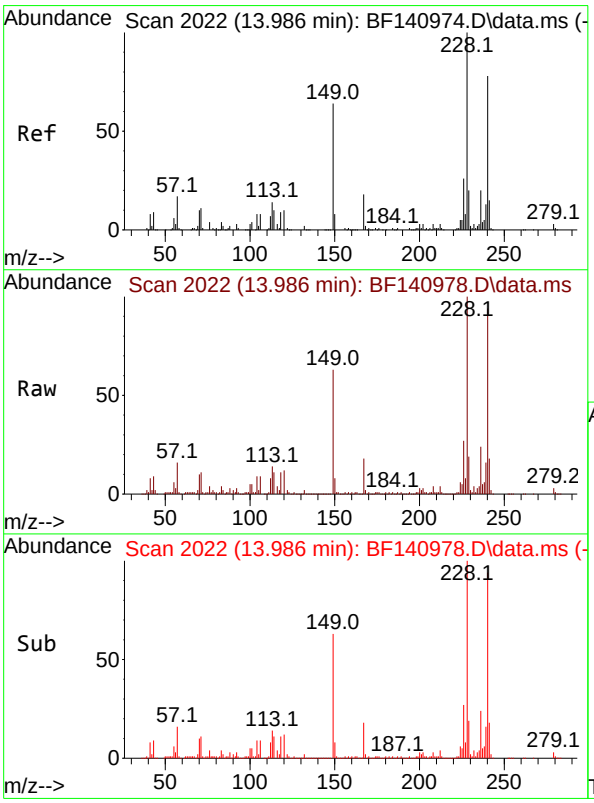
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.7
203	18.1	0.0	38.1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

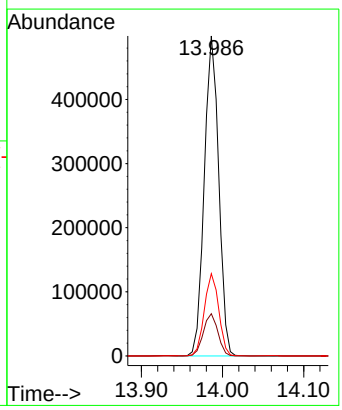


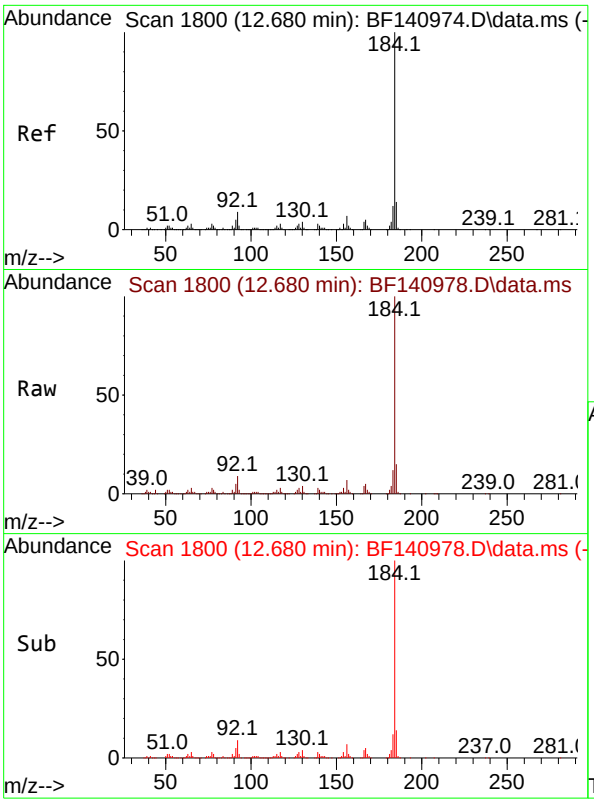


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:240 Resp: 614249

Ion	Ratio	Lower	Upper
240	100		
120	13.2	10.7	16.1
236	25.7	20.6	31.0

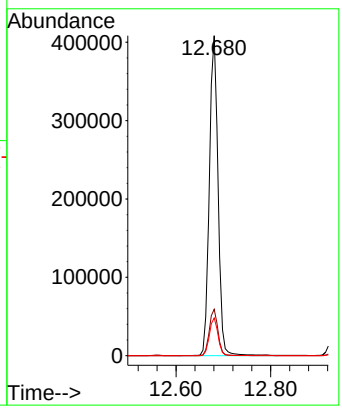




#77
Benzidine
Concen: 40.101 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:184 Resp: 52057

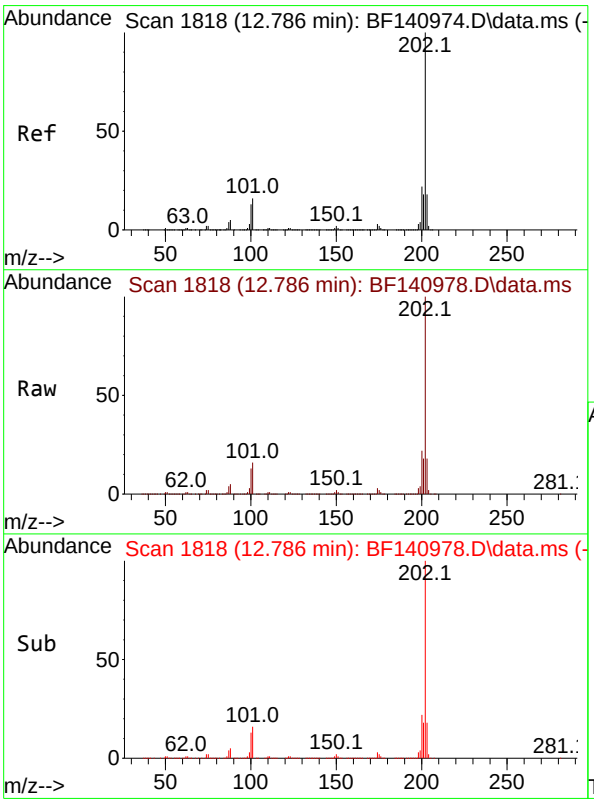
Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.2
183	11.8	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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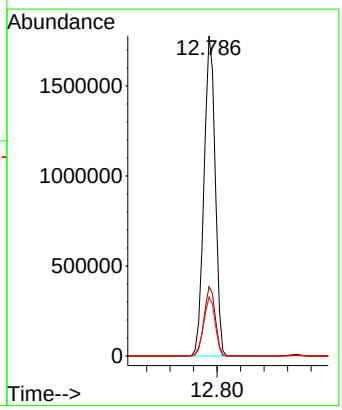
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

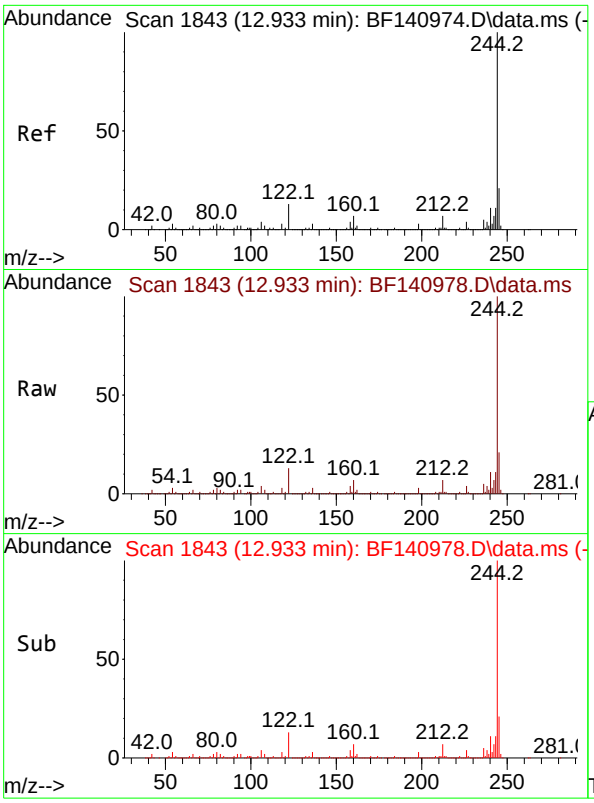


#78
Pyrene
Concen: 43.575 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:202 Resp: 2340872

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.3	25.9
203	18.4	14.6	21.8

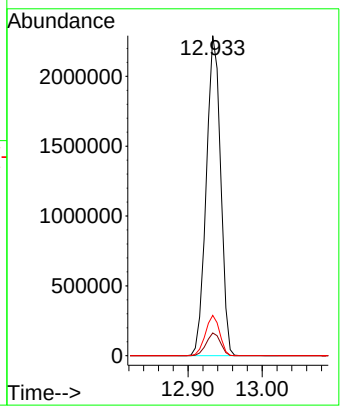




#79
Terphenyl-d14
Concen: 83.347 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:244 Resp: 308224

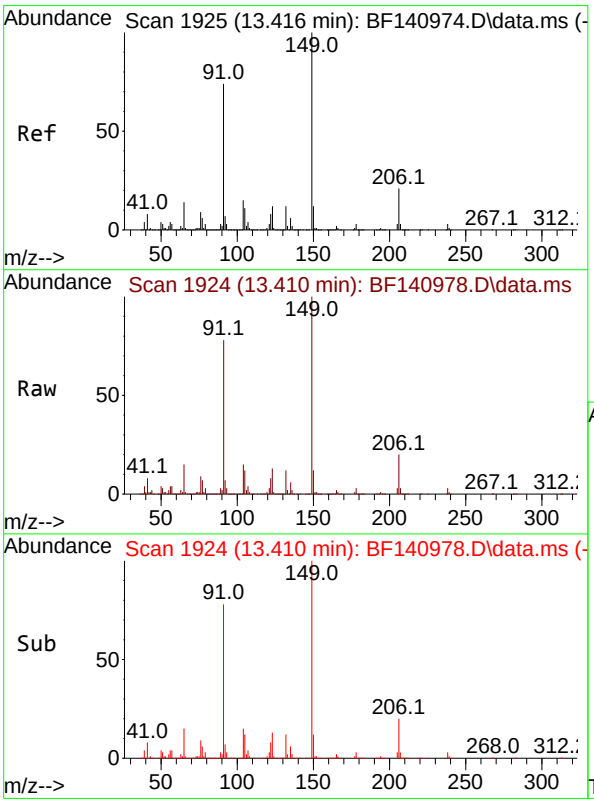
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.6	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
APPROVED

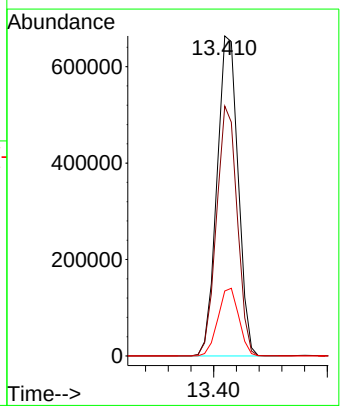
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

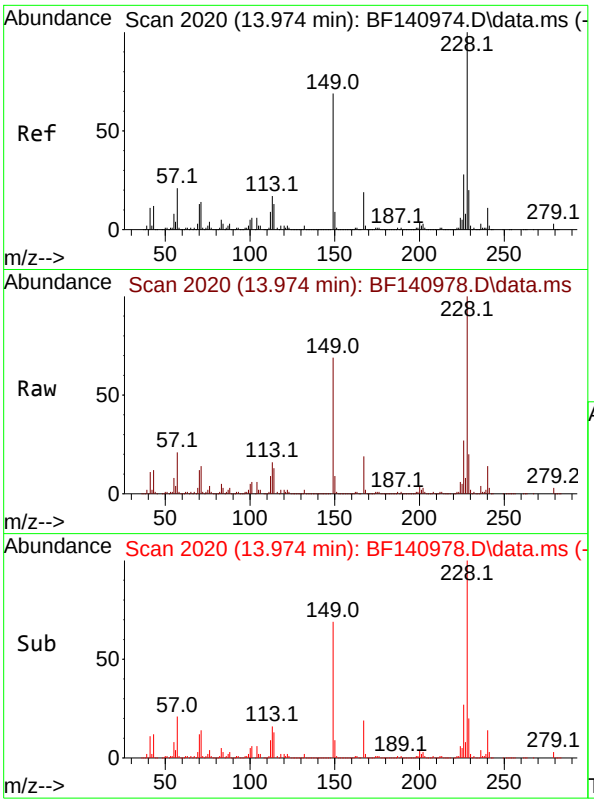


#80
Butylbenzylphthalate
Concen: 43.715 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:149 Resp: 857532

Ion	Ratio	Lower	Upper
149	100		
91	78.1	59.5	89.3
206	20.3	17.1	25.7

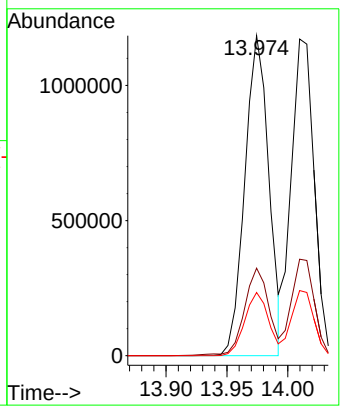




#81
Benzo(a)anthracene
Concen: 37.941 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:228 Resp: 162424

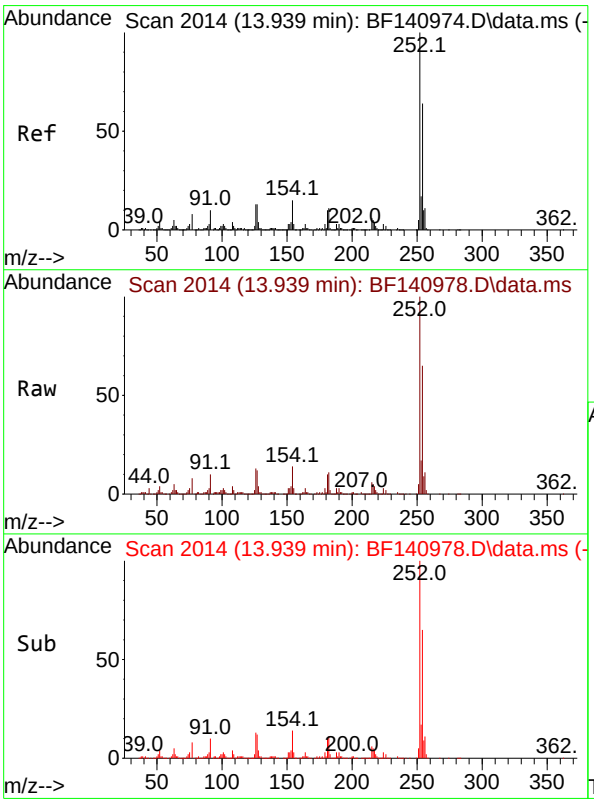
Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	19.7	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
APPROVED

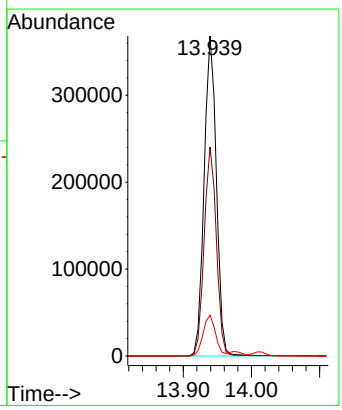
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

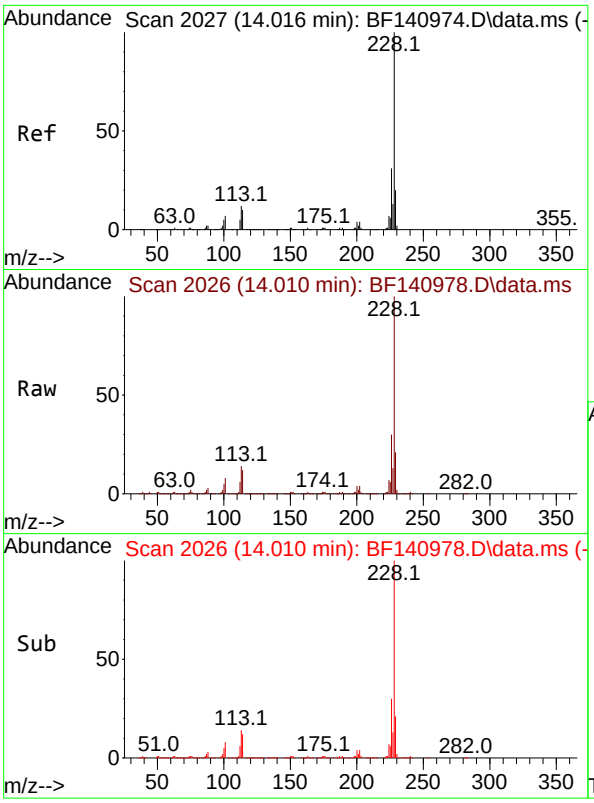


#82
3,3'-Dichlorobenzidine
Concen: 35.805 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:252 Resp: 460524

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.5	77.3
126	12.7	10.3	15.5

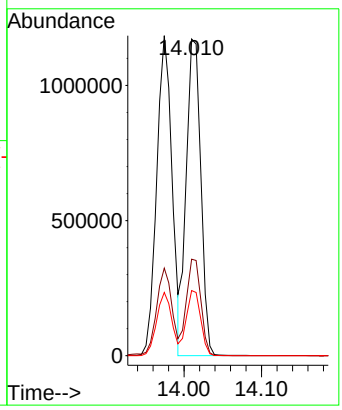




#83
Chrysene
Concen: 39.695 ng
RT: 14.010 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:228 Resp: 153189

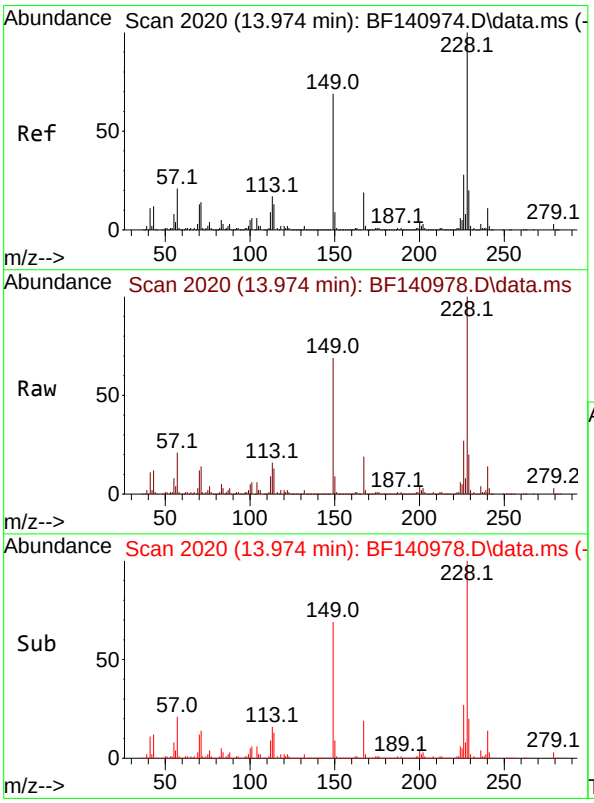
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.5	36.7
229	20.5	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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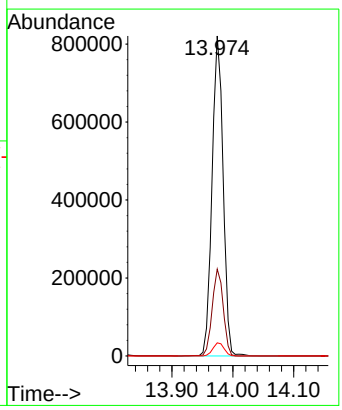
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

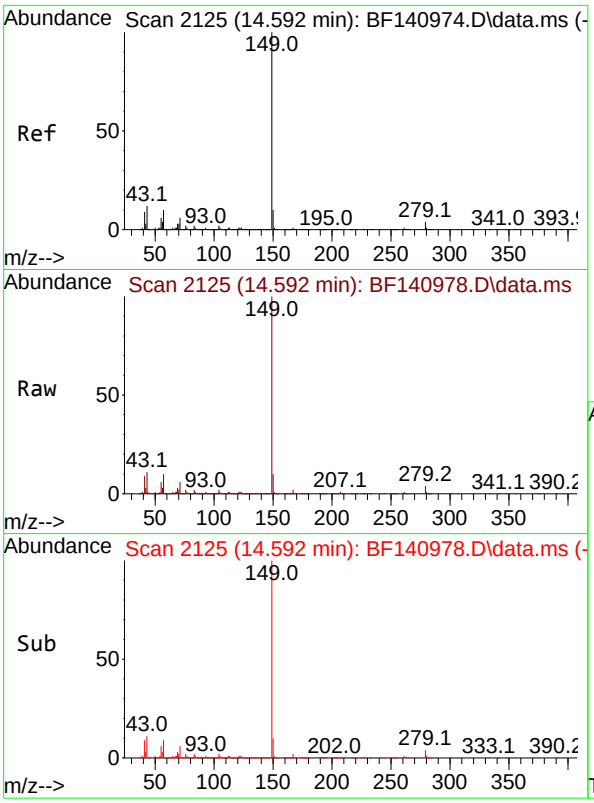


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.713 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:149 Resp: 1035953

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.6	32.4
279	4.1	3.2	4.8

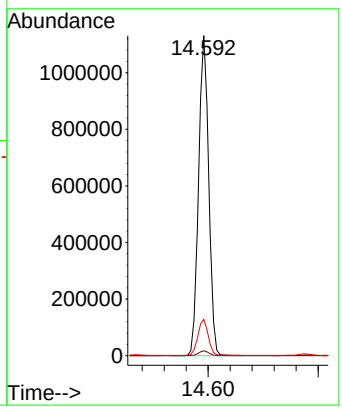




#85
Di-n-octyl phthalate
Concen: 39.285 ng
RT: 14.592 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:149 Resp: 144678

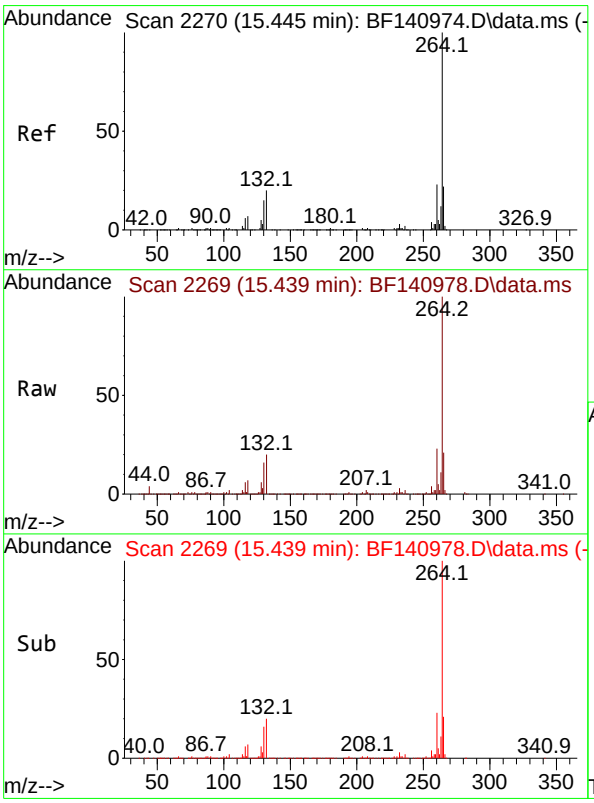
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.4	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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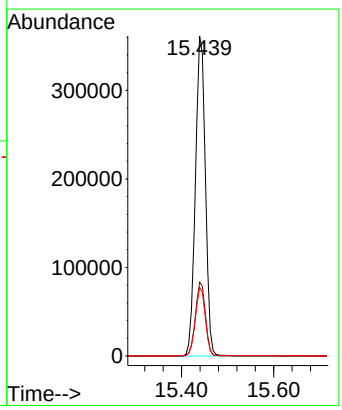
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

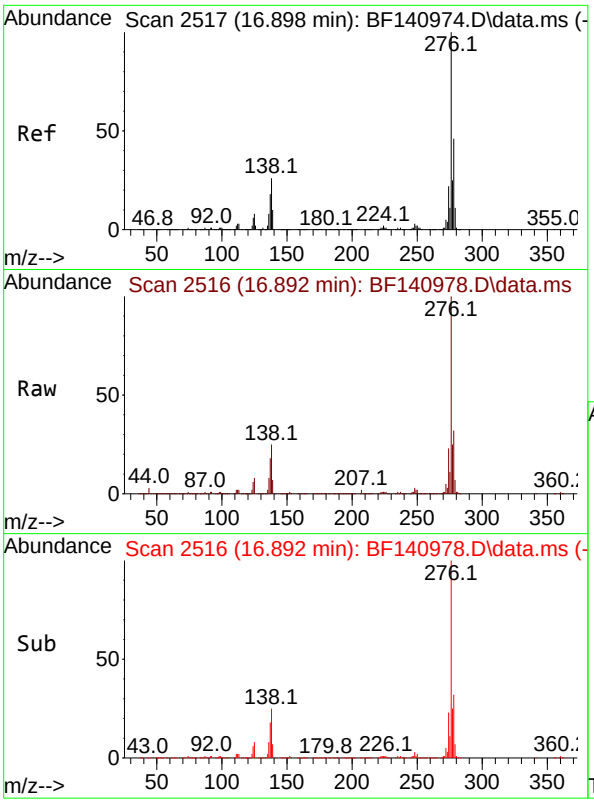


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:264 Resp: 543067

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.4	17.4	26.2

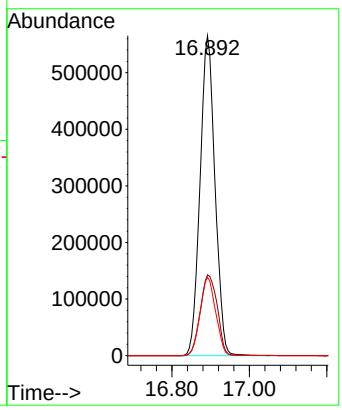




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.255 ng
RT: 16.892 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:276 Resp: 151416

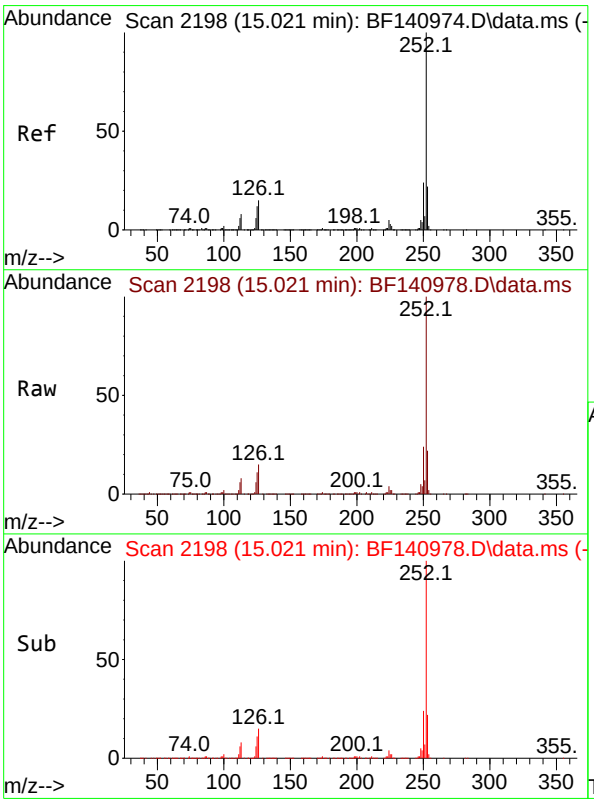
Ion	Ratio	Lower	Upper
276	100		
138	28.7	23.1	34.7
277	25.5	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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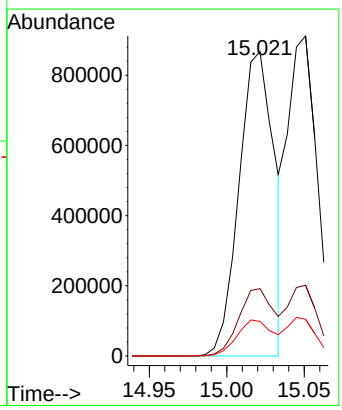
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

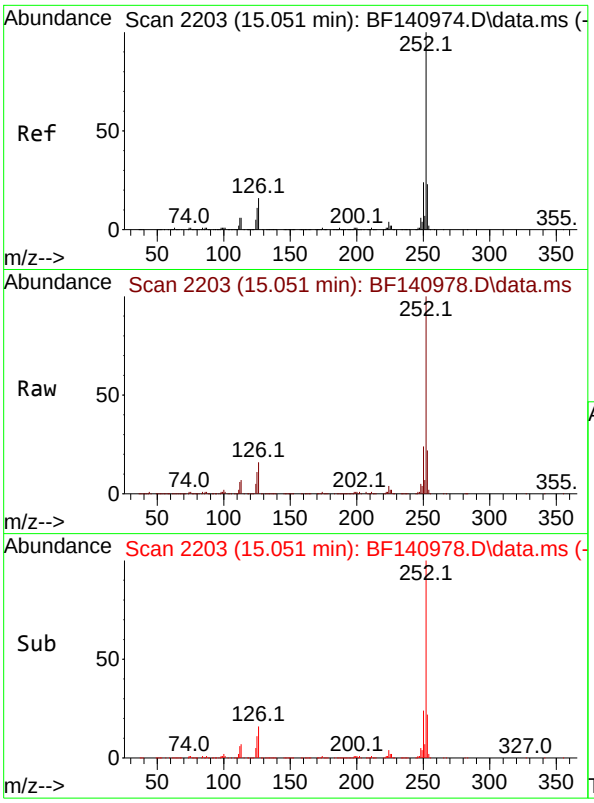


#88
Benzo(b)fluoranthene
Concen: 36.115 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:252 Resp: 1367890

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.3	9.3	13.9

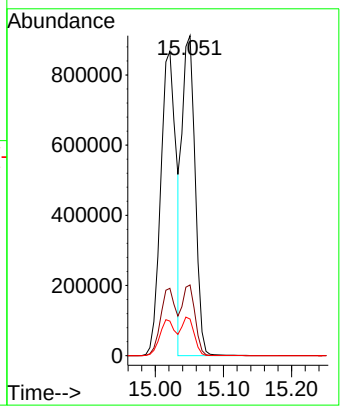




#89
Benzo(k)fluoranthene
Concen: 40.555 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:252 Resp: 120391

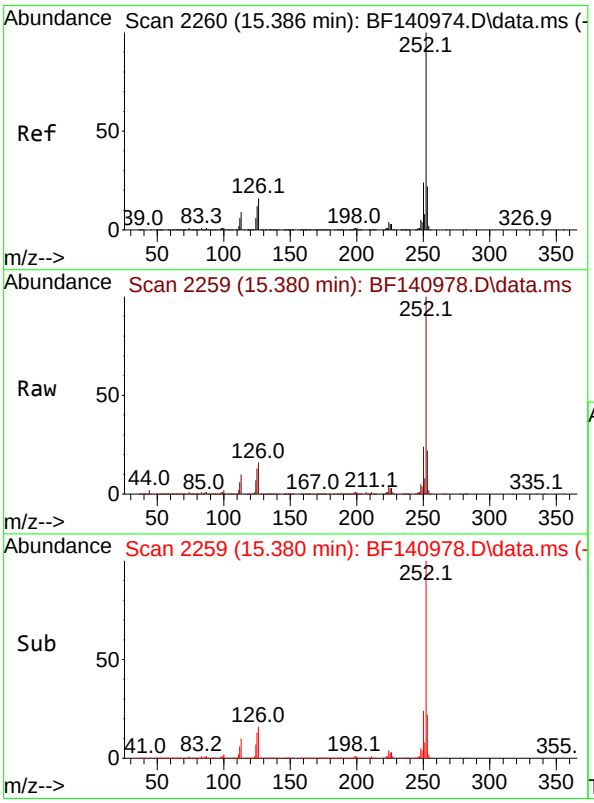
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	11.4	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
APPROVED

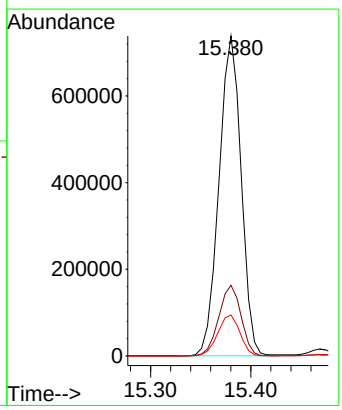
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

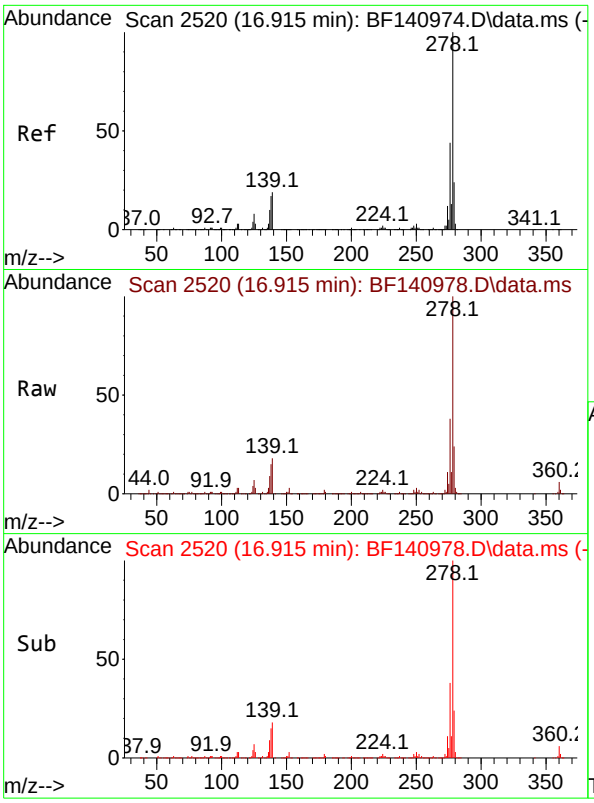


#90
Benzo(a)pyrene
Concen: 38.510 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:252 Resp: 1132116

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.8	9.8	14.8

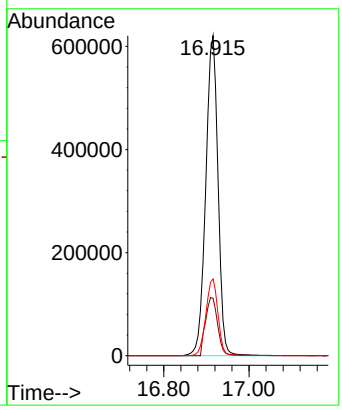




#91
Dibenzo(a,h)anthracene
Concen: 44.756 ng
RT: 16.915 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:278 Resp: 124128

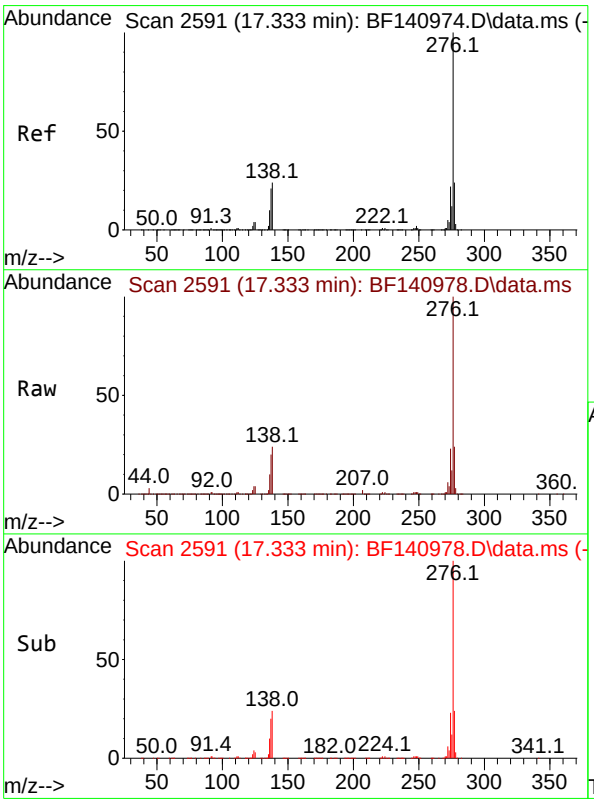
Ion	Ratio	Lower	Upper
278	100		
139	18.0	14.9	22.3
279	24.0	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
APPROVED

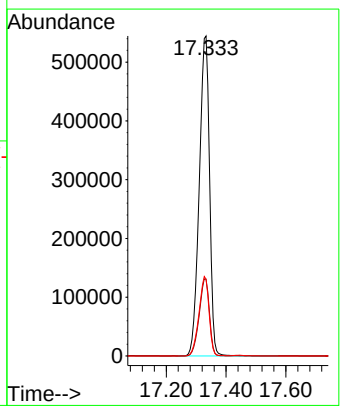
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#92
Benzo(g,h,i)perylene
Concen: 45.122 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:276 Resp: 1297980

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	24.0	19.4	29.2



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
2		1,4-Dioxane	0.601	0.587	2.3	104	0.00
3		Pyridine	1.468	1.439	2.0	106	0.00
4		n-Nitrosodimethylamine	0.744	0.728	2.2	103	0.01
5	S	2-Fluorophenol	1.327	1.281	3.5	105	0.00
6		Aniline	1.524	1.533	-0.6	100	-0.02
7	S	Phenol-d6	1.709	1.658	3.0	105	0.00
8		2-Chlorophenol	1.399	1.588	-13.5	121	0.00
9		Benzaldehyde	0.941	0.873	7.2	107	0.00
10	C	Phenol	1.767	2.063	-16.8	125	0.00
11		bis(2-Chloroethyl)ether	1.427	1.404	1.6	109	0.00
12		1,3-Dichlorobenzene	1.544	1.500	2.8	105	0.00
13	C	1,4-Dichlorobenzene	1.556	1.580	-1.5	110	0.00
14		1,2-Dichlorobenzene	1.451	1.406	3.1	105	0.00
15		Benzyl Alcohol	1.228	1.221	0.6	105	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	2.068	4.2	103	0.00
17		2-Methylphenol	1.162	1.151	0.9	106	0.00
18		Hexachloroethane	0.553	0.553	0.0	107	0.00
19	P	n-Nitroso-di-n-propylamine	1.047	1.069	-2.1	112	0.00
20		3+4-Methylphenols	1.471	1.446	1.7	105	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22		Acetophenone	0.491	0.465	5.3	104	0.00
23	S	Nitrobenzene-d5	0.313	0.357	-14.1	115	0.00
24		Nitrobenzene	0.349	0.385	-10.3	110	0.00
25		Isophorone	0.680	0.655	3.7	105	0.00
26	C	2-Nitrophenol	0.118	0.152	-28.8#	126	0.00
27		2,4-Dimethylphenol	0.249	0.248	0.4	108	0.00
28		bis(2-Chloroethoxy)methane	0.431	0.413	4.2	104	0.00
29	C	2,4-Dichlorophenol	0.282	0.284	-0.7	107	0.00
30		1,2,4-Trichlorobenzene	0.319	0.329	-3.1	110	0.00
31		Naphthalene	1.054	1.014	3.8	104	0.00
32		Benzoic acid	0.178	0.216	-21.3	127	0.00
33		4-Chloroaniline	0.381	0.374	1.8	107	0.00
34	C	Hexachlorobutadiene	0.188	0.184	2.1	106	0.00
35		Caprolactam	0.096	0.096	0.0	107	0.00
36	C	4-Chloro-3-methylphenol	0.313	0.334	-6.7	113	0.00
37		2-Methylnaphthalene	0.674	0.646	4.2	105	0.00
38		1-Methylnaphthalene	0.663	0.629	5.1	104	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	0.550	0.530	3.6	105	0.00
41	P	Hexachlorocyclopentadiene	0.182	0.185	-1.6	105	0.00
42	S	2,4,6-Tribromophenol	0.194	0.201	-3.6	108	0.00
43	C	2,4,6-Trichlorophenol	0.366	0.368	-0.5	107	0.00
44		2,4,5-Trichlorophenol	0.375	0.381	-1.6	106	0.00
45	S	2-Fluorobiphenyl	1.255	1.174	6.5	106	0.00
46		1,1'-Biphenyl	1.531	1.452	5.2	104	0.00
47		2-Chloronaphthalene	1.188	1.141	4.0	106	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.259	0.332	-28.2#	122	0.00
49		Acenaphthylene	1.710	1.636	4.3	104	0.00
50		Dimethylphthalate	1.316	1.264	4.0	104	0.00
51		2,6-Dinitrotoluene	0.231	0.281	-21.6	116	0.00
52	C	Acenaphthene	1.156	1.161	-0.4	110	0.00
53		3-Nitroaniline	0.255	0.307	-20.4	115	0.00
54	P	2,4-Dinitrophenol	0.075	0.094	-25.3#	138	0.00
55		Dibenzofuran	1.624	1.556	4.2	105	0.00
56	P	4-Nitrophenol	0.225	0.273	-21.3	126	0.00
57		2,4-Dinitrotoluene	0.273	0.362	-32.6#	124	0.00
58		Fluorene	1.260	1.186	5.9	105	0.00
59		2,3,4,6-Tetrachlorophenol	0.310	0.323	-4.2	109	0.00
60		Diethylphthalate	1.299	1.254	3.5	105	0.00
61		4-Chlorophenyl-phenylether	0.606	0.575	5.1	105	0.00
62		4-Nitroaniline	0.255	0.299	-17.3	114	0.00
63		Azobenzene	1.363	1.311	3.8	105	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	0.067	0.084	-25.4#	132	0.00
66	c	n-Nitrosodiphenylamine	0.630	0.611	3.0	106	0.00
67		4-Bromophenyl-phenylether	0.216	0.212	1.9	104	0.00
68		Hexachlorobenzene	0.238	0.232	2.5	105	0.00
69		Atrazine	0.176	0.158	10.2	106	0.00
70	C	Pentachlorophenol	0.148	0.170	-14.9	115	0.00
71		Phenanthrene	1.053	1.010	4.1	105	0.00
72		Anthracene	1.031	0.988	4.2	104	0.00
73		Carbazole	0.992	0.944	4.8	104	0.00
74		Di-n-butylphthalate	1.128	1.090	3.4	105	0.00
75	C	Fluoranthene	1.142	1.077	5.7	103	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	94	0.00
77		Benzidine	0.423	0.424	-0.2	96	0.00
78		Pyrene	1.749	1.905	-8.9	106	0.00
79	S	Terphenyl-d14	1.204	1.254	-4.2	104	0.00
80		Butylbenzylphthalate	0.639	0.698	-9.2	100	0.00
81		Benzo(a)anthracene	1.394	1.322	5.2	91	0.00
82		3,3'-Dichlorobenzidine	0.419	0.375	10.5	88	0.00
83		Chrysene	1.257	1.247	0.8	97	0.00
84		Bis(2-ethylhexyl)phthalate	0.828	0.843	-1.8	97	0.00
85	c	Di-n-octyl phthalate	1.199	1.178	1.8	93	0.00
86	I	Perylene-d12	1.000	1.000	0.0	102	0.00
87		Indeno(1,2,3-cd)pyrene	1.260	1.394	-10.6	109	0.00
88		Benzo(b)fluoranthene	1.395	1.259	9.7	91	0.00
89		Benzo(k)fluoranthene	1.093	1.108	-1.4	106	0.00
90	C	Benzo(a)pyrene	1.083	1.042	3.8	100	0.00
91		Dibenzo(a,h)anthracene	1.021	1.143	-11.9	109	0.00
92		Benzo(g,h,i)perylene	1.059	1.195	-12.8	108	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
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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	106	0.00
2		1,4-Dioxane	40.000	39.078	2.3	104	0.00
3		Pyridine	40.000	39.221	1.9	106	0.00
4		n-Nitrosodimethylamine	40.000	39.126	2.2	103	0.01
5	S	2-Fluorophenol	80.000	77.230	3.5	105	0.00
6		Aniline	40.000	40.214	-0.5	100	-0.02
7	S	Phenol-d6	80.000	77.619	3.0	105	0.00
8		2-Chlorophenol	40.000	45.402	-13.5	121	0.00
9		Benzaldehyde	40.000	42.275	-5.7	107	0.00
10	C	Phenol	40.000	46.698	-16.7	125	0.00
11		bis(2-Chloroethyl)ether	40.000	39.366	1.6	109	0.00
12		1,3-Dichlorobenzene	40.000	38.861	2.8	105	0.00
13	C	1,4-Dichlorobenzene	40.000	40.612	-1.5	110	0.00
14		1,2-Dichlorobenzene	40.000	38.772	3.1	105	0.00
15		Benzyl Alcohol	40.000	39.751	0.6	105	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.326	4.2	103	0.00
17		2-Methylphenol	40.000	39.617	1.0	106	0.00
18		Hexachloroethane	40.000	40.027	-0.1	107	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.828	-2.1	112	0.00
20		3+4-Methylphenols	40.000	39.323	1.7	105	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22		Acetophenone	40.000	37.920	5.2	104	0.00
23	S	Nitrobenzene-d5	80.000	91.412	-14.3	115	0.00
24		Nitrobenzene	40.000	44.060	-10.2	110	0.00
25		Isophorone	40.000	38.534	3.7	105	0.00
26	C	2-Nitrophenol	40.000	43.185	-8.0	126	0.00
27		2,4-Dimethylphenol	40.000	39.926	0.2	108	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.323	4.2	104	0.00
29	C	2,4-Dichlorophenol	40.000	40.280	-0.7	107	0.00
30		1,2,4-Trichlorobenzene	40.000	41.204	-3.0	110	0.00
31		Naphthalene	40.000	38.493	3.8	104	0.00
32		Benzoic acid	40.000	43.158	-7.9	127	0.00
33		4-Chloroaniline	40.000	39.203	2.0	107	0.00
34	C	Hexachlorobutadiene	40.000	39.095	2.3	106	0.00
35		Caprolactam	40.000	40.139	-0.3	107	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.714	-6.8	113	0.00
37		2-Methylnaphthalene	40.000	38.340	4.1	105	0.00
38		1-Methylnaphthalene	40.000	37.974	5.1	104	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.527	3.7	105	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.560	-1.4	105	0.00
42	S	2,4,6-Tribromophenol	80.000	82.713	-3.4	108	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.180	-0.4	107	0.00
44		2,4,5-Trichlorophenol	40.000	40.663	-1.7	106	0.00
45	S	2-Fluorobiphenyl	80.000	74.821	6.5	106	0.00
46		1,1'-Biphenyl	40.000	37.916	5.2	104	0.00
47		2-Chloronaphthalene	40.000	38.442	3.9	106	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
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QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	43.198	-8.0	122	0.00
49		Acenaphthylene	40.000	38.272	4.3	104	0.00
50		Dimethylphthalate	40.000	38.422	3.9	104	0.00
51		2,6-Dinitrotoluene	40.000	42.386	-6.0	116	0.00
52	C	Acenaphthene	40.000	40.168	-0.4	110	0.00
53		3-Nitroaniline	40.000	42.522	-6.3	115	0.00
54	P	2,4-Dinitrophenol	40.000	45.538	-13.8	138	0.00
55		Dibenzofuran	40.000	38.318	4.2	105	0.00
56	P	4-Nitrophenol	40.000	48.593	-21.5	126	0.00
57		2,4-Dinitrotoluene	40.000	44.506	-11.3	124	0.00
58		Fluorene	40.000	37.668	5.8	105	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.681	-4.2	109	0.00
60		Diethylphthalate	40.000	38.629	3.4	105	0.00
61		4-Chlorophenyl-phenylether	40.000	37.928	5.2	105	0.00
62		4-Nitroaniline	40.000	41.571	-3.9	114	0.00
63		Azobenzene	40.000	38.471	3.8	105	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.296	-8.2	132	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.777	3.1	106	0.00
67		4-Bromophenyl-phenylether	40.000	39.247	1.9	104	0.00
68		Hexachlorobenzene	40.000	38.890	2.8	105	0.00
69		Atrazine	40.000	35.858	10.4	106	0.00
70	C	Pentachlorophenol	40.000	45.869	-14.7	115	0.00
71		Phenanthrene	40.000	38.373	4.1	105	0.00
72		Anthracene	40.000	38.325	4.2	104	0.00
73		Carbazole	40.000	38.096	4.8	104	0.00
74		Di-n-butylphthalate	40.000	38.673	3.3	105	0.00
75	C	Fluoranthene	40.000	37.724	5.7	103	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	94	0.00
77		Benzidine	40.000	40.101	-0.3	96	0.00
78		Pyrene	40.000	43.575	-8.9	106	0.00
79	S	Terphenyl-d14	80.000	83.347	-4.2	104	0.00
80		Butylbenzylphthalate	40.000	43.715	-9.3	100	0.00
81		Benzo(a)anthracene	40.000	37.941	5.1	91	0.00
82		3,3'-Dichlorobenzidine	40.000	35.805	10.5	88	0.00
83		Chrysene	40.000	39.695	0.8	97	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.713	-1.8	97	0.00
85	c	Di-n-octyl phthalate	40.000	39.285	1.8	93	0.00
86	I	Perylene-d12	20.000	20.000	0.0	102	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	44.255	-10.6	109	0.00
88		Benzo(b)fluoranthene	40.000	36.115	9.7	91	0.00
89		Benzo(k)fluoranthene	40.000	40.555	-1.4	106	0.00
90	C	Benzo(a)pyrene	40.000	38.510	3.7	100	0.00
91		Dibenzo(a,h)anthracene	40.000	44.756	-11.9	109	0.00
92		Benzo(g,h,i)perylene	40.000	45.122	-12.8	108	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG No.: P5380

Instrument ID: BNA_F Calibration Date/Time: 12/30/2024 09:24

Lab File ID: BF141019.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:23 19:25

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.468	1.443		-1.7	
2-Fluorophenol	1.327	1.243		-6.3	
Phenol-d6	1.709	1.608		-5.9	
1,4-Dichlorobenzene	1.556	1.506		-3.2	20.0
2-Methylphenol	1.162	1.098		-5.5	
3+4-Methylphenols	1.471	1.388		-5.6	
Nitrobenzene-d5	0.313	0.317		1.3	
Hexachloroethane	0.553	0.532		-3.8	
Nitrobenzene	0.349	0.348		-0.3	
Hexachlorobutadiene	0.188	0.187		-0.5	20.0
2,4,6-Trichlorophenol	0.366	0.359		-1.9	20.0
2-Fluorobiphenyl	1.255	1.202		-4.2	
2,4,5-Trichlorophenol	0.375	0.385		2.7	
2,4-Dinitrotoluene	0.273	0.301		10.3	
2,4,6-Tribromophenol	0.194	0.197		1.5	
Hexachlorobenzene	0.238	0.240		0.8	
Pentachlorophenol	0.148	0.145		-2.0	20.0
Terphenyl-d14	1.204	1.311		8.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141019.D
Acq On : 30 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Dec 30 10:08:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	287798	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	1120357	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	589913	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	999326	20.000	ng	0.00
76) Chrysene-d12	13.992	240	513499	20.000	ng	0.00
86) Perylene-d12	15.451	264	572329	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1430877	74.944	ng	0.00
7) Phenol-d6	6.457	99	1850852	75.252	ng	0.00
23) Nitrobenzene-d5	7.398	82	1419604	81.066	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	463792	80.910	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	2835781	76.589	ng	0.00
79) Terphenyl-d14	12.939	244	2692720	87.100	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.557	88	324850	37.582	ng	99
3) Pyridine	3.304	79	830439	39.312	ng	99
4) n-Nitrosodimethylamine	3.252	42	396435	37.039	ng	98
6) Aniline	6.498	93	876086	39.939	ng	99
8) 2-Chlorophenol	6.616	128	768330	38.169	ng	99
9) Benzaldehyde	6.381	77	483931	40.312	ng	99
10) Phenol	6.469	94	995709	39.151	ng	98
11) bis(2-Chloroethyl)ether	6.569	93	759321	36.977	ng	98
12) 1,3-Dichlorobenzene	6.775	146	868495	39.095	ng	99
13) 1,4-Dichlorobenzene	6.851	146	866903	38.710	ng	99
14) 1,2-Dichlorobenzene	7.004	146	806001	38.601	ng	99
15) Benzyl Alcohol	6.969	79	667713	37.779	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1165429	37.528	ng	100
17) 2-Methylphenol	7.081	107	631725	37.776	ng	100
18) Hexachloroethane	7.345	117	305939	38.457	ng	99
19) n-Nitroso-di-n-propyla...	7.245	70	555869	36.891	ng	99
20) 3+4-Methylphenols	7.234	107	798915	37.751	ng	91
22) Acetophenone	7.240	105	1030346	37.489	ng	95
24) Nitrobenzene	7.416	77	779136	39.818	ng	99
25) Isophorone	7.651	82	1452518	38.118	ng	99
26) 2-Nitrophenol	7.728	139	283151	36.712	ng	98
27) 2,4-Dimethylphenol	7.763	122	522137	37.492	ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	924219	38.280	ng	100
29) 2,4-Dichlorophenol	7.969	162	619461	39.219	ng	99
30) 1,2,4-Trichlorobenzene	8.057	180	705338	39.454	ng	100
31) Naphthalene	8.139	128	2265686	38.378	ng	99
32) Benzoic acid	7.875	122	406940	37.509	ng	96
33) 4-Chloroaniline	8.181	127	811033	37.974	ng	100
34) Hexachlorobutadiene	8.251	225	418359	39.695	ng	99
35) Caprolactam	8.551	113	199464	37.147	ng	96
36) 4-Chloro-3-methylphenol	8.657	107	672479	38.337	ng	98
37) 2-Methylnaphthalene	8.822	142	1448371	38.350	ng	100
38) 1-Methylnaphthalene	8.922	142	1426512	38.433	ng	99
40) 1,2,4,5-Tetrachloroben...	8.992	216	653460	40.264	ng	100
41) Hexachlorocyclopentadiene	8.975	237	209732	38.997	ng	98
43) 2,4,6-Trichlorophenol	9.098	196	423585	39.216	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141019.D
Acq On : 30 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Dec 30 10:08:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

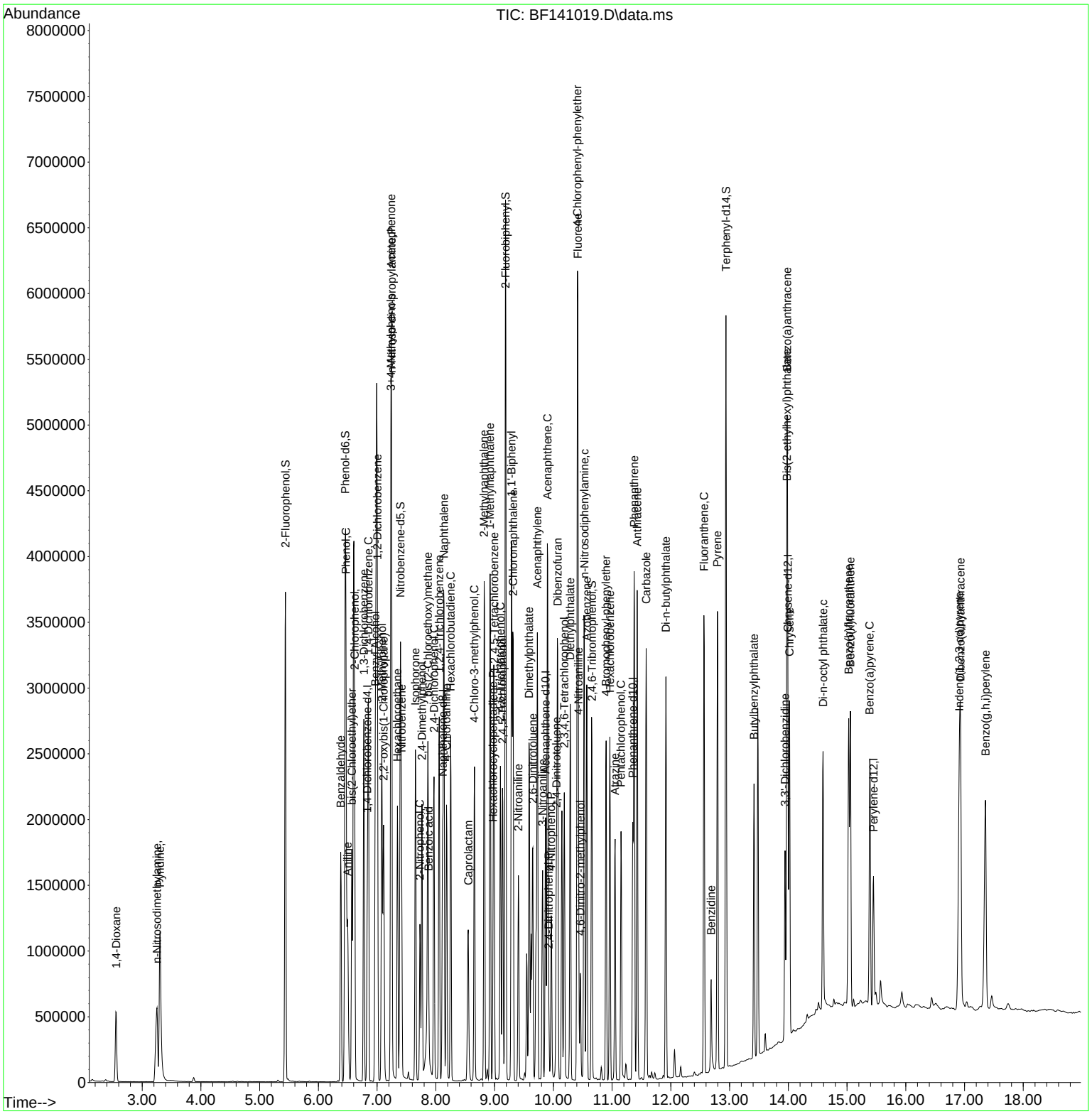
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.134	196	453675	41.049	ng		99
46) 1,1'-Biphenyl	9.286	154	1780971	39.429	ng		100
47) 2-Chloronaphthalene	9.316	162	1373992	39.221	ng		99
48) 2-Nitroaniline	9.404	65	334984	37.660	ng		96
49) Acenaphthylene	9.728	152	1927381	38.219	ng		100
50) Dimethylphthalate	9.586	163	1506626	38.828	ng		100
51) 2,6-Dinitrotoluene	9.651	165	293090	37.873	ng		100
52) Acenaphthene	9.898	154	1322805	38.800	ng		100
53) 3-Nitroaniline	9.816	138	316358	37.526	ng		96
54) 2,4-Dinitrophenol	9.922	184	89470	39.273	ng	#	1
55) Dibenzofuran	10.075	168	1857502	38.768	ng		98
56) 4-Nitrophenol	9.963	139	244391	36.820	ng		99
57) 2,4-Dinitrotoluene	10.051	165	355172	37.740	ng		99
58) Fluorene	10.416	166	1414704	38.077	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	369931	40.416	ng		98
60) Diethylphthalate	10.286	149	1479347	38.618	ng		100
61) 4-Chlorophenyl-phenyle...	10.410	204	702832	39.313	ng		96
62) 4-Nitroaniline	10.428	138	311892	37.095	ng		96
63) Azobenzene	10.569	77	1521732	37.847	ng		99
65) 4,6-Dinitro-2-methylph...	10.463	198	137748	37.186	ng		95
66) n-Nitrosodiphenylamine	10.528	169	1240017	39.405	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	448280	41.496	ng		97
68) Hexachlorobenzene	10.963	284	479543	40.258	ng		99
69) Atrazine	11.051	200	297531	33.844	ng		99
70) Pentachlorophenol	11.151	266	290589	39.182	ng		99
71) Phenanthrene	11.375	178	2018462	38.377	ng		100
72) Anthracene	11.428	178	1971230	38.249	ng		100
73) Carbazole	11.580	167	1810329	36.540	ng		100
74) Di-n-butylphthalate	11.916	149	2091018	37.107	ng		100
75) Fluoranthene	12.563	202	1955256	34.277	ng		100
77) Benzidine	12.686	184	410188	37.797	ng		100
78) Pyrene	12.792	202	1964156	43.736	ng		100
80) Butylbenzylphthalate	13.416	149	651212	39.711	ng		99
81) Benzo(a)anthracene	13.980	228	1320984	36.912	ng		100
82) 3,3'-Dichlorobenzidine	13.945	252	430238	40.013	ng		99
83) Chrysene	14.021	228	1300887	40.323	ng		99
84) Bis(2-ethylhexyl)phtha...	13.974	149	790574	37.166	ng		100
85) Di-n-octyl phthalate	14.592	149	1269609	41.238	ng		99
87) Indeno(1,2,3-cd)pyrene	16.910	276	1687714	46.806	ng		98
88) Benzo(b)fluoranthene	15.027	252	1304484	32.680	ng		99
89) Benzo(k)fluoranthene	15.057	252	1256515	40.163	ng		99
90) Benzo(a)pyrene	15.386	252	1181585	38.137	ng		98
91) Dibenzo(a,h)anthracene	16.933	278	1381399	47.261	ng		99
92) Benzo(g,h,i)perylene	17.357	276	1446266	47.707	ng		99

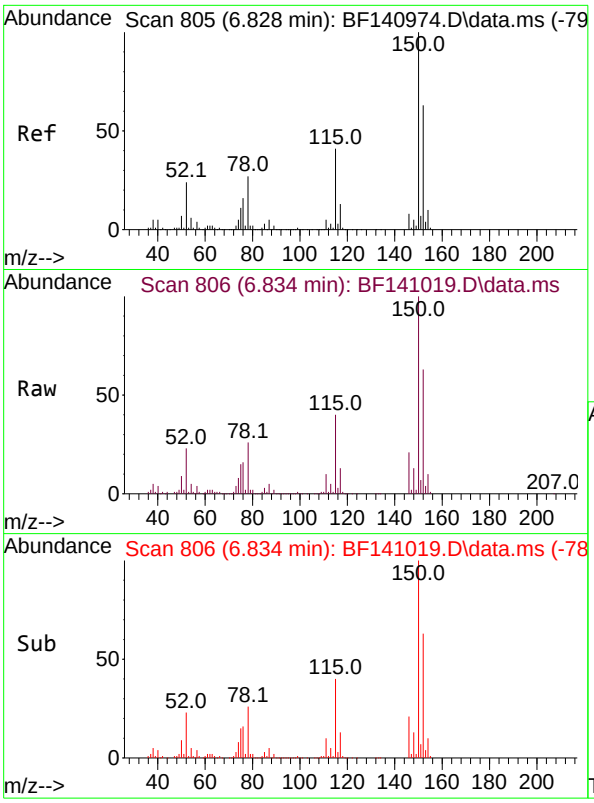
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141019.D
Acq On : 30 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Dec 30 10:08:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



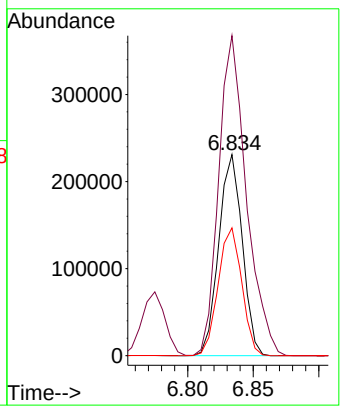


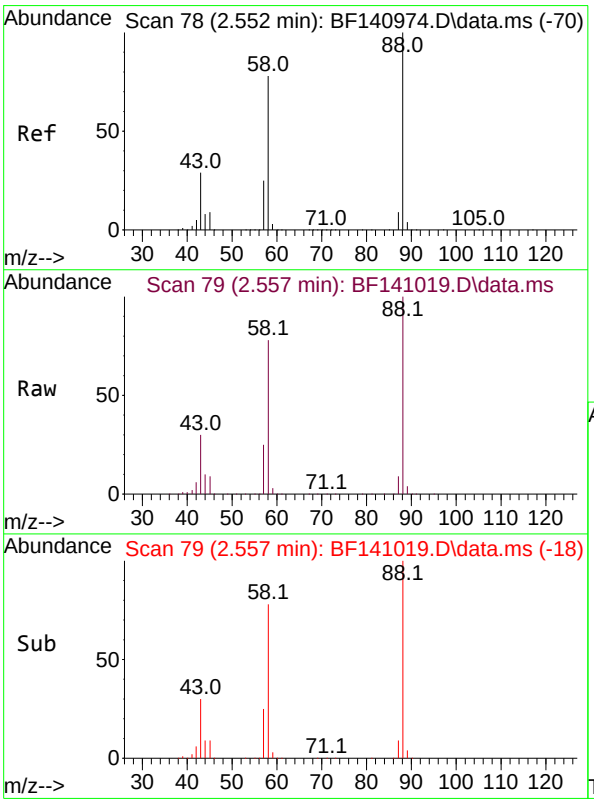
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 287798

Ion	Ratio	Lower	Upper
152	100		
150	159.0	127.0	190.6
115	63.5	51.7	77.5

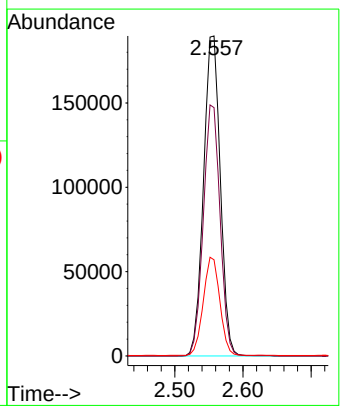


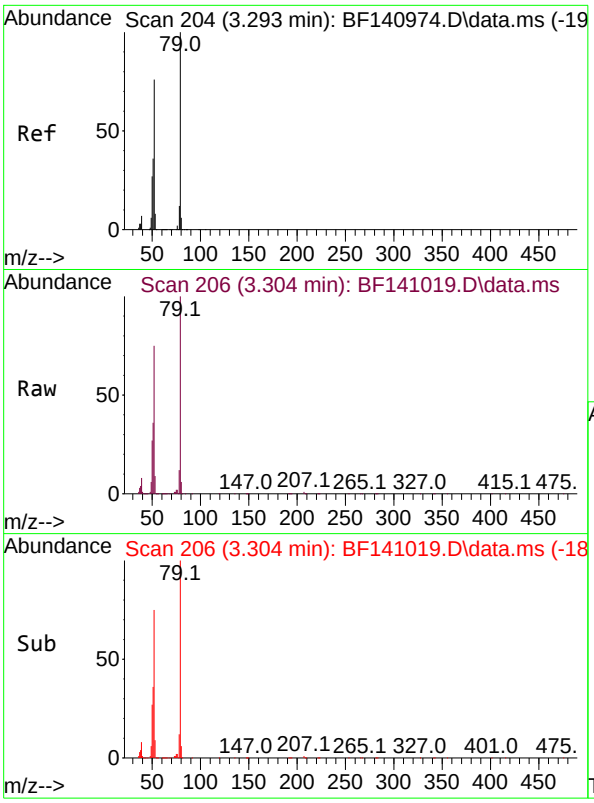


#2
1,4-Dioxane
Concen: 37.582 ng
RT: 2.557 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion: 88 Resp: 324850

Ion	Ratio	Lower	Upper
88	100		
58	78.3	63.0	94.4
43	30.2	23.4	35.2



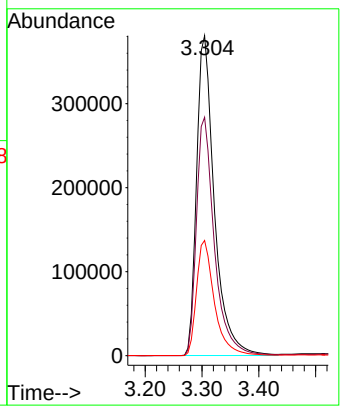


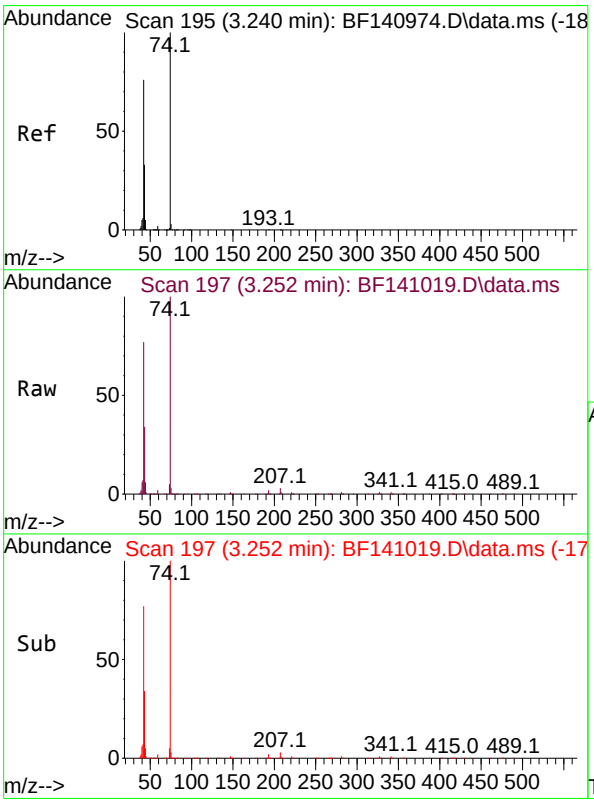
#3
Pyridine
Concen: 39.312 ng
RT: 3.304 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 830439

Ion	Ratio	Lower	Upper
79	100		
52	74.5	60.4	90.6
51	36.0	28.8	43.2

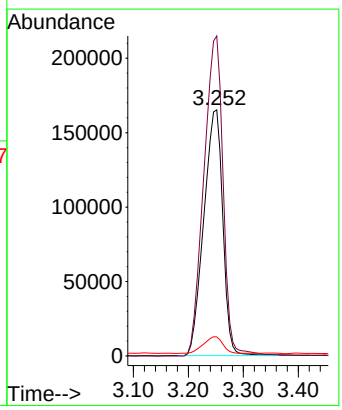


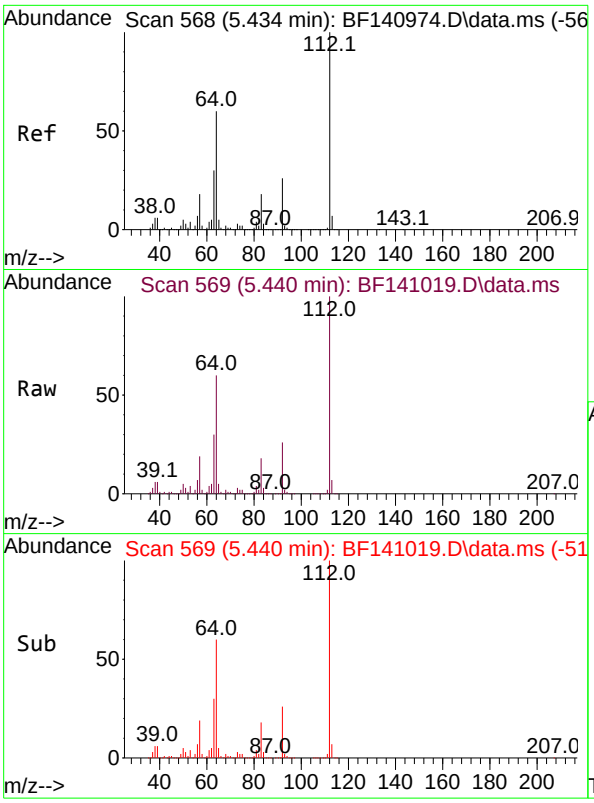


#4
n-Nitrosodimethylamine
Concen: 37.039 ng
RT: 3.252 min Scan# 197
Delta R.T. 0.012 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion: 42 Resp: 396435

Ion	Ratio	Lower	Upper
42	100		
74	130.0	105.8	158.6
44	7.8	6.6	10.0



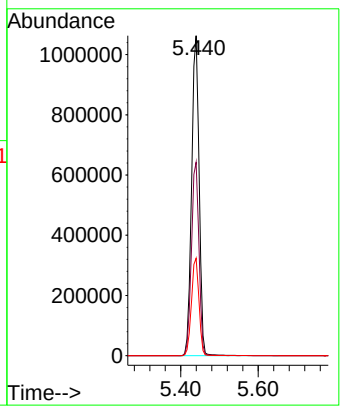


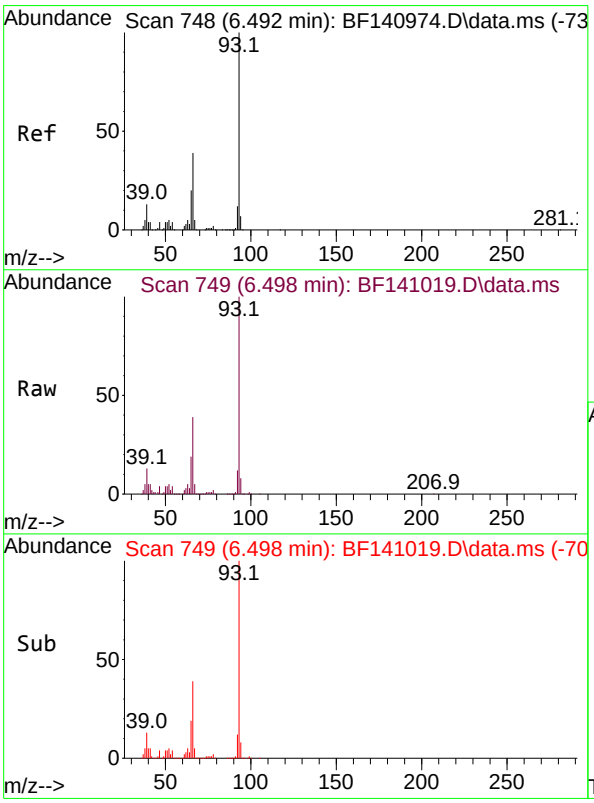
#5
2-Fluorophenol
Concen: 74.944 ng
RT: 5.440 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1430877

Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.7	71.5
63	30.5	24.2	36.2

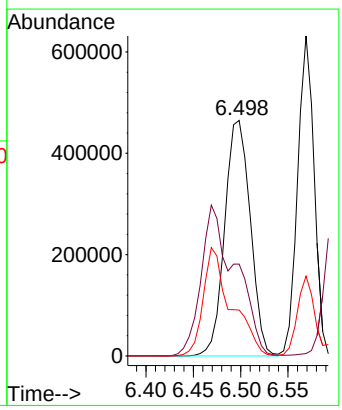


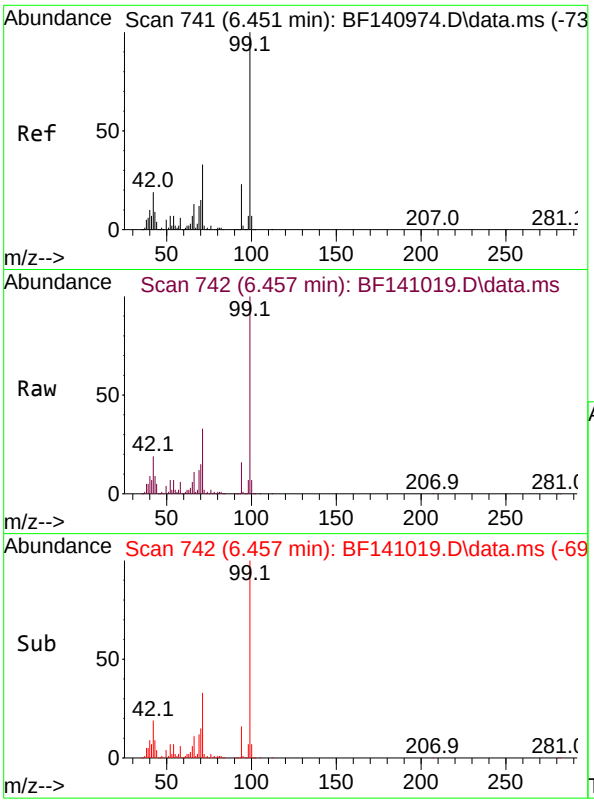


#6
Aniline
Concen: 39.939 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion: 93 Resp: 876086

Ion	Ratio	Lower	Upper
93	100		
66	39.0	31.8	47.8
65	19.5	15.4	23.0



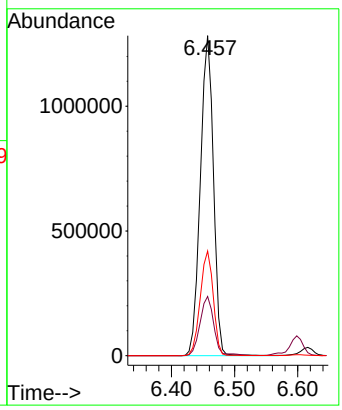


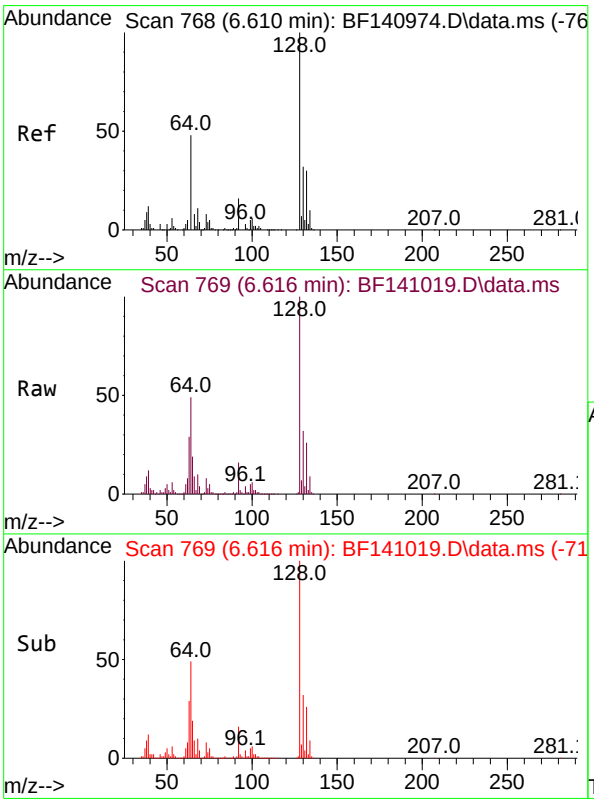
#7
Phenol-d6
Concen: 75.252 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1850852

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.0	22.4
71	32.7	26.2	39.2

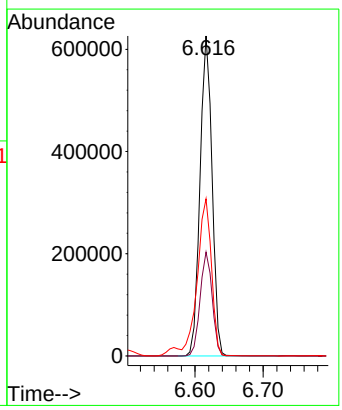


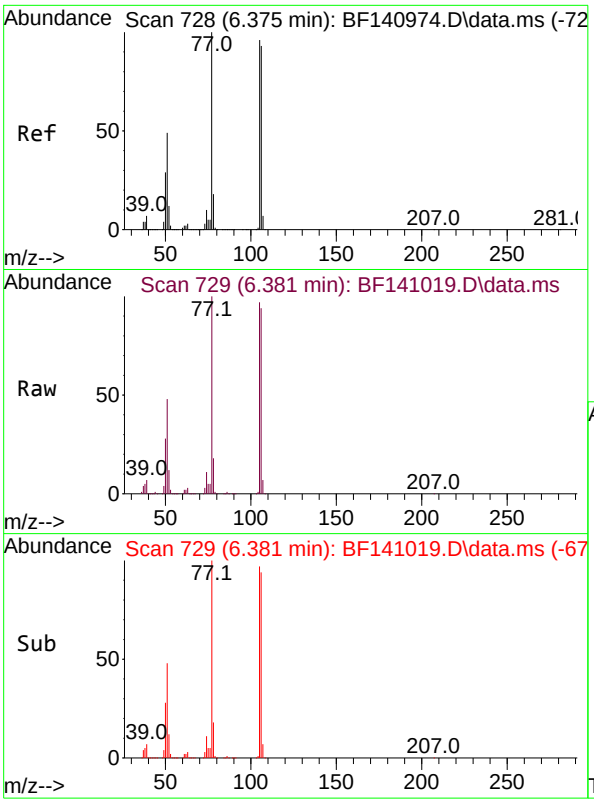


#8
2-Chlorophenol
Concen: 38.169 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:128 Resp: 768330

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.2	52.2
64	49.1	30.3	70.3



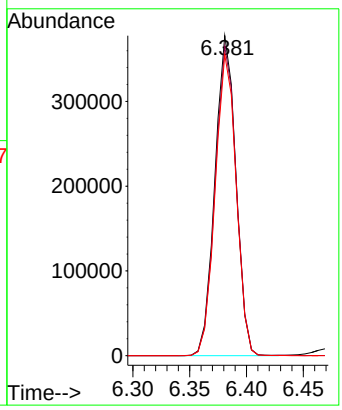


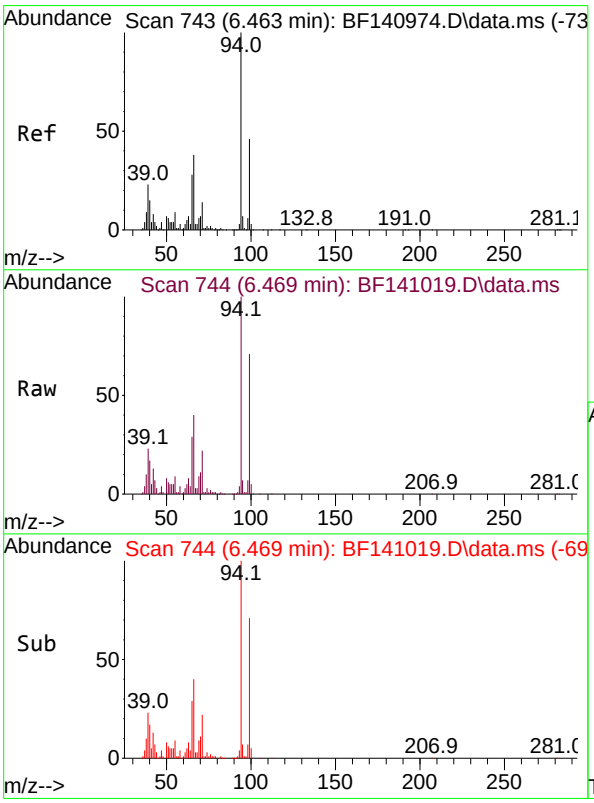
#9
Benzaldehyde
Concen: 40.312 ng
RT: 6.381 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 483931

Ion	Ratio	Lower	Upper
77	100		
105	96.7	76.2	116.2
106	94.0	73.4	113.4

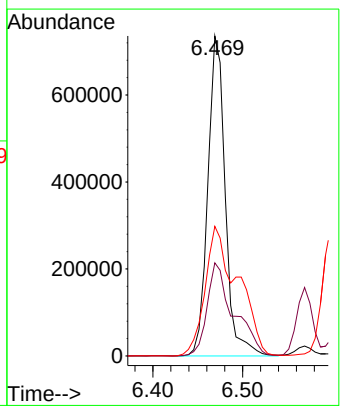


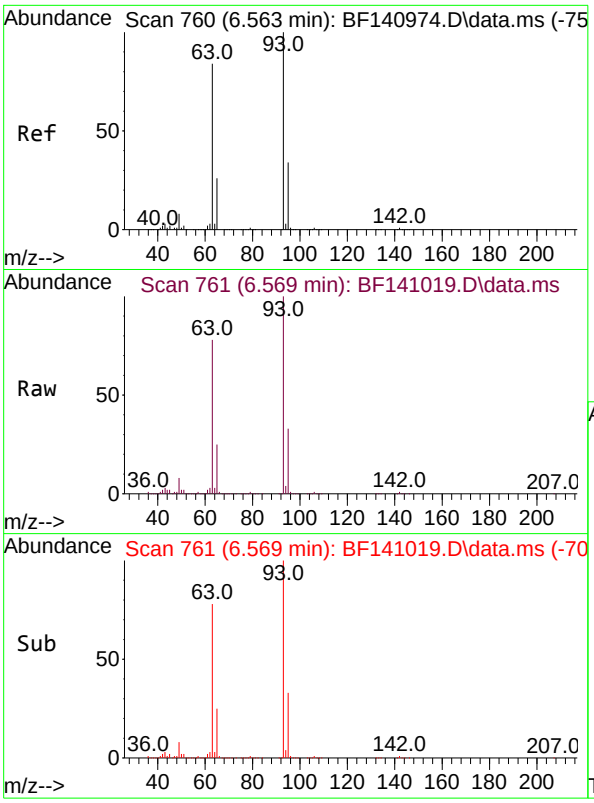


#10
Phenol
Concen: 39.151 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion: 94 Resp: 995709

Ion	Ratio	Lower	Upper
94	100		
65	29.1	8.1	48.1
66	40.5	18.7	58.7



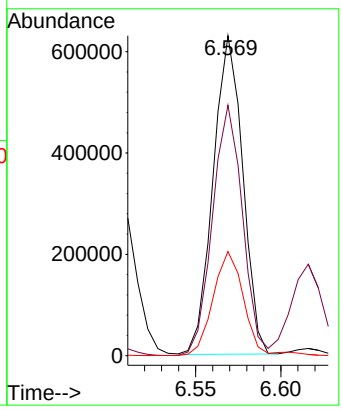


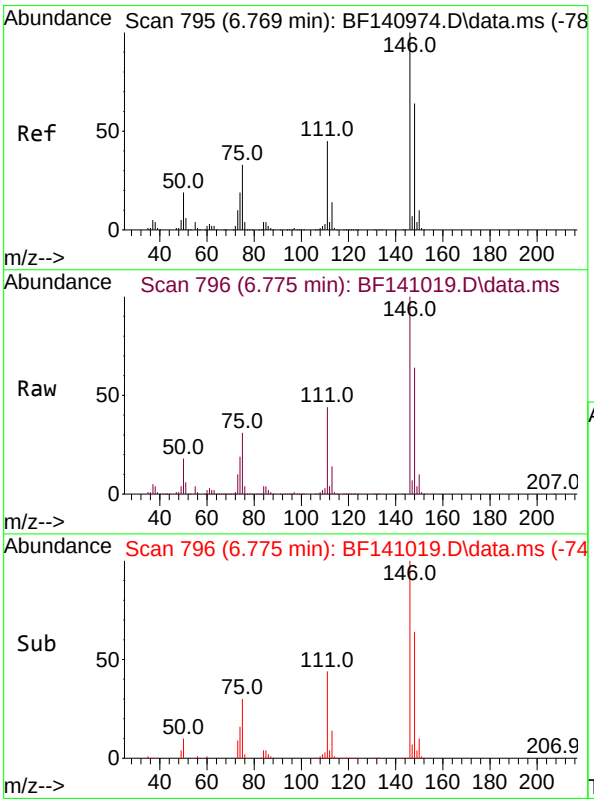
#11
bis(2-Chloroethyl)ether
Concen: 36.977 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 759321

Ion	Ratio	Lower	Upper
93	100		
63	78.3	60.3	100.3
95	32.5	12.2	52.2

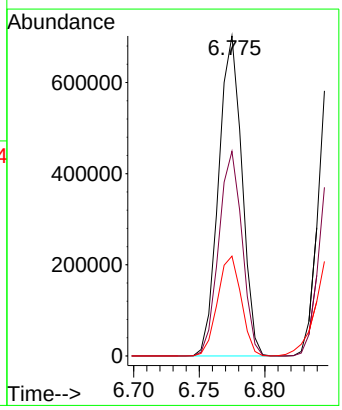


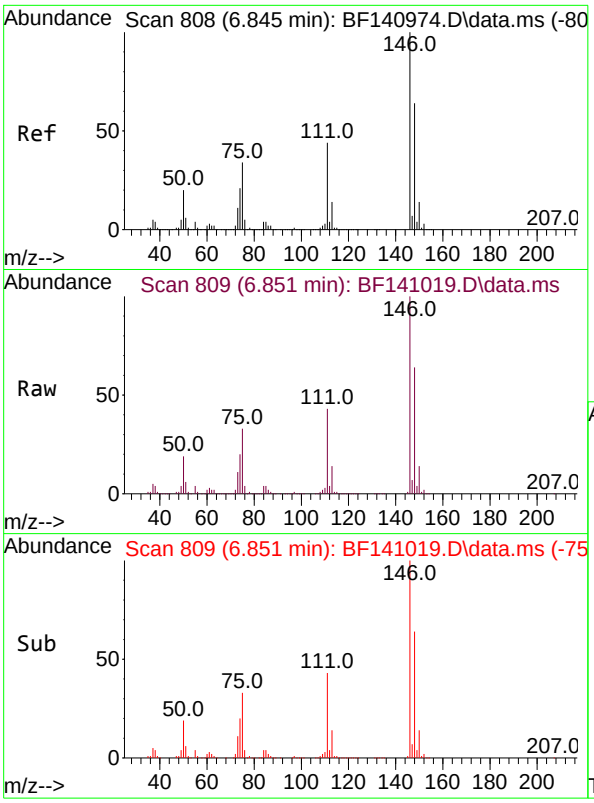


#12
1,3-Dichlorobenzene
Concen: 39.095 ng
RT: 6.775 min Scan# 796
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:146 Resp: 868495

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
75	31.2	26.1	39.1



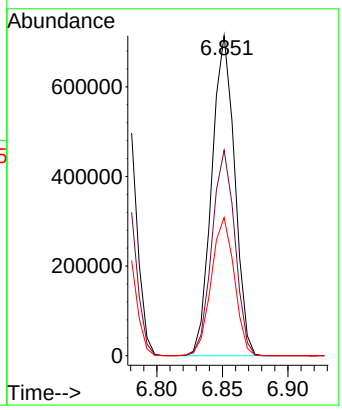


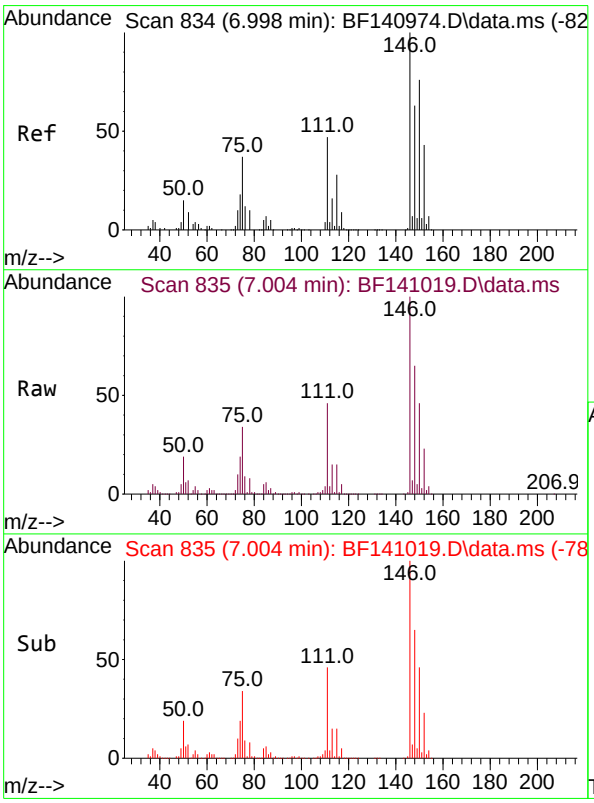
#13
1,4-Dichlorobenzene
Concen: 38.710 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 866903

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.3	76.9
111	43.1	35.3	52.9

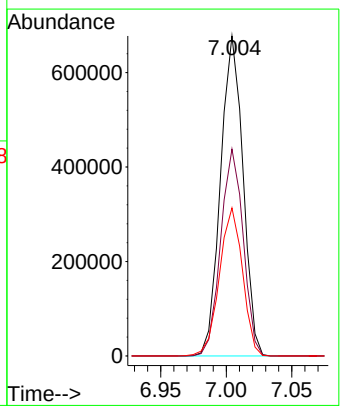


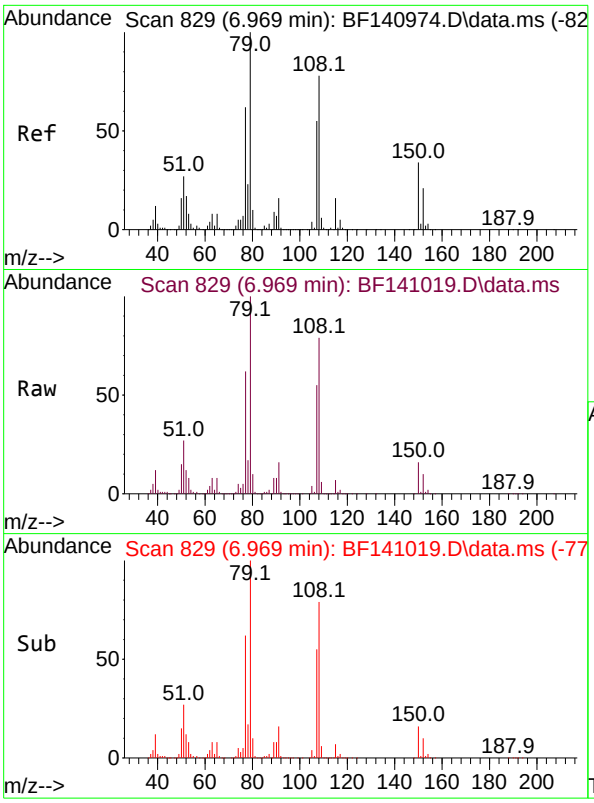


#14
1,2-Dichlorobenzene
Concen: 38.601 ng
RT: 7.004 min Scan# 835
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:146 Resp: 806001

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.6	76.0
111	46.2	37.3	55.9



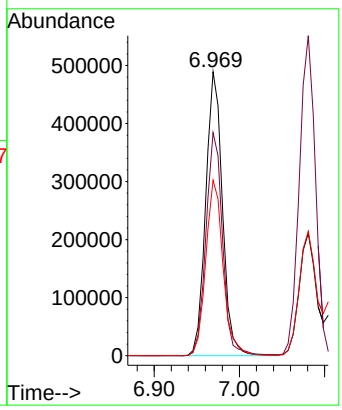


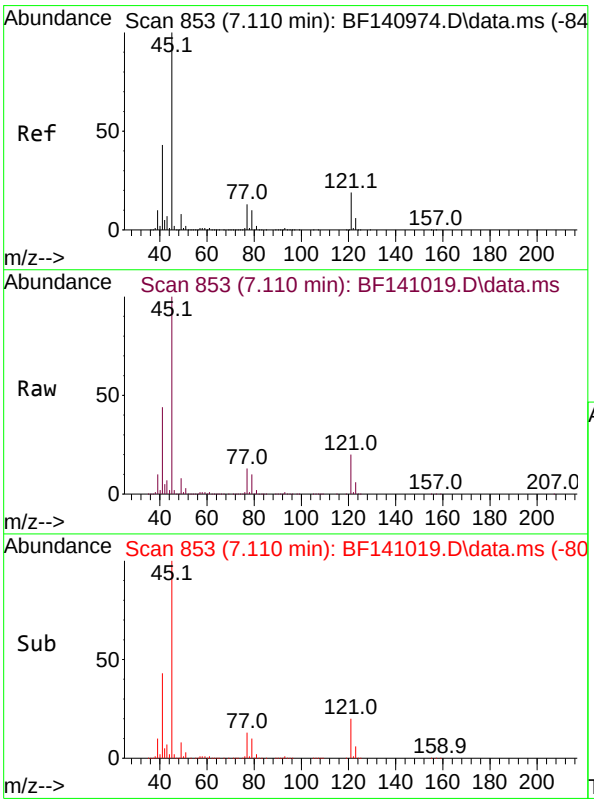
#15
Benzyl Alcohol
Concen: 37.779 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 667713

Ion	Ratio	Lower	Upper
79	100		
108	78.6	62.5	93.7
77	61.9	49.3	73.9

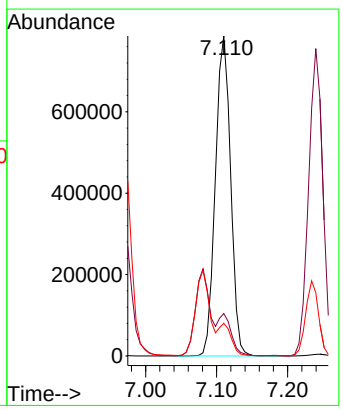


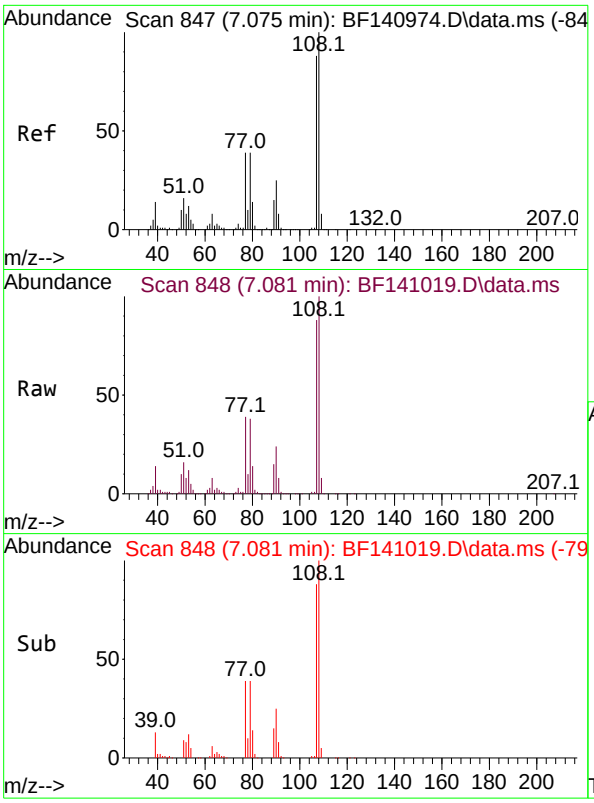


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.528 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion: 45 Resp: 1165429

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	33.1
79	10.2	0.0	30.1



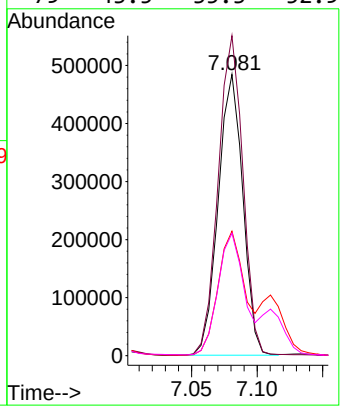


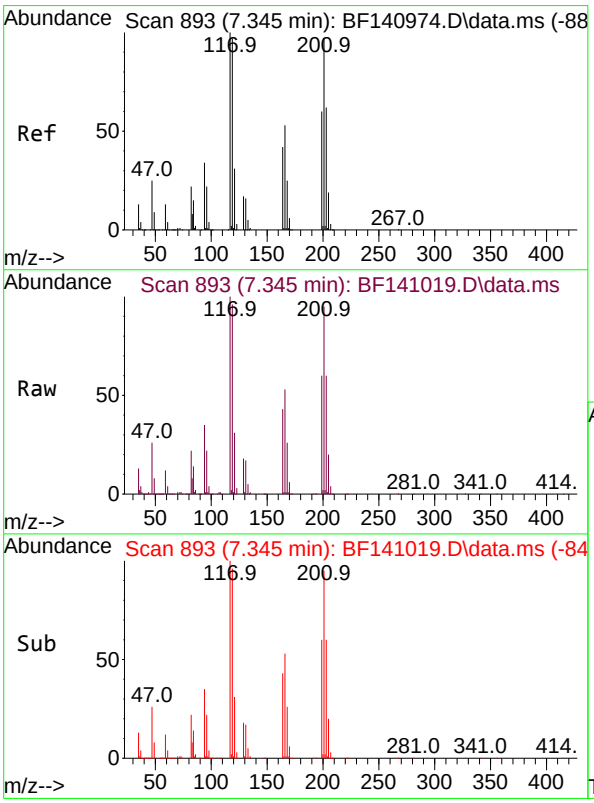
#17
2-Methylphenol
Concen: 37.776 ng
RT: 7.081 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 631725

Ion	Ratio	Lower	Upper
107	100		
108	113.8	90.6	136.0
77	44.2	35.3	52.9
79	43.5	35.3	52.9

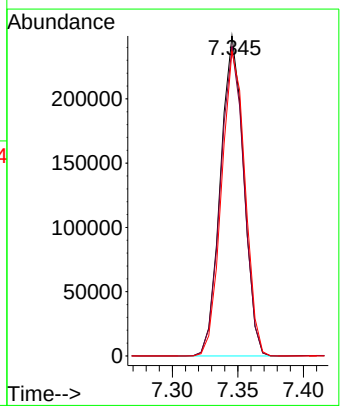


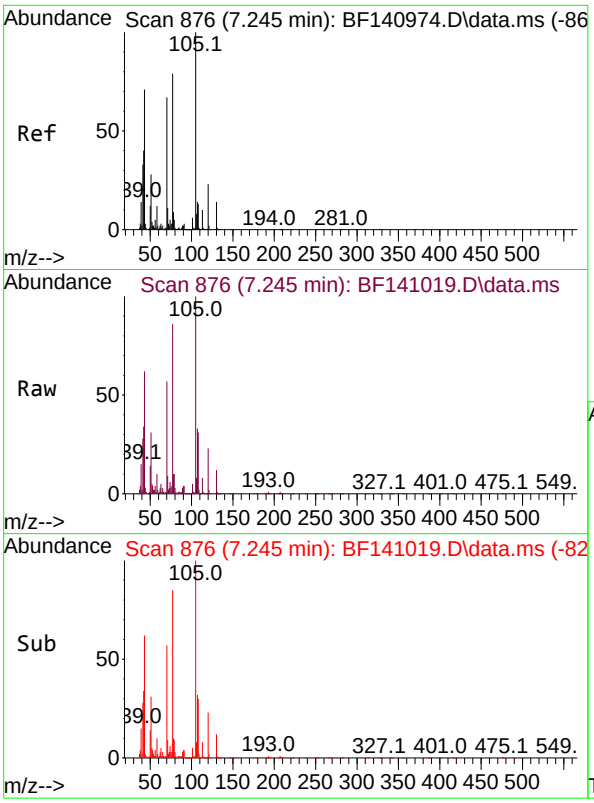


#18
Hexachloroethane
Concen: 38.457 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:117 Resp: 305939

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.5	116.3
201	95.1	77.4	116.2



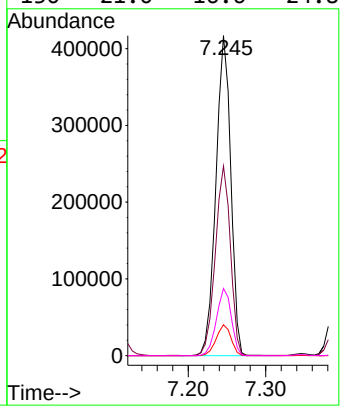


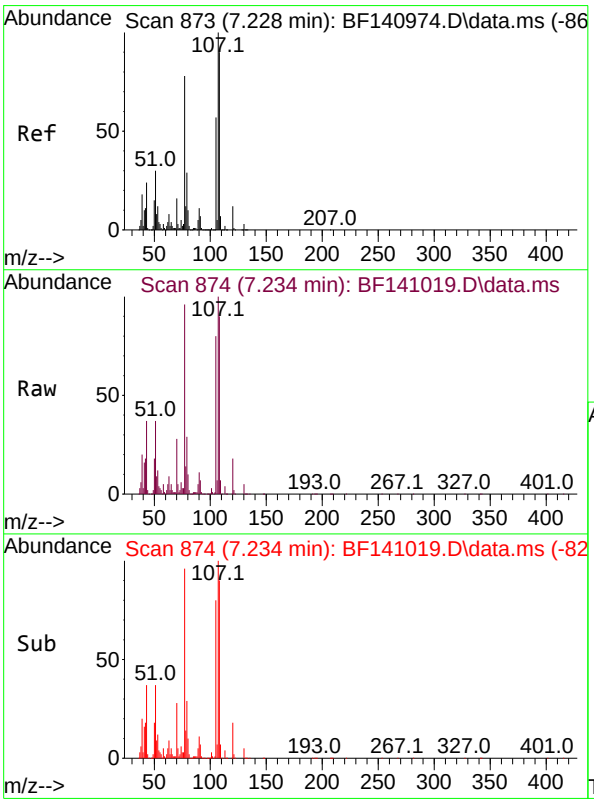
#19
n-Nitroso-di-n-propylamine
Concen: 36.891 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 555869

Ion	Ratio	Lower	Upper
70	100		
42	59.2	48.1	72.1
101	9.6	7.6	11.4
130	21.0	16.6	24.8

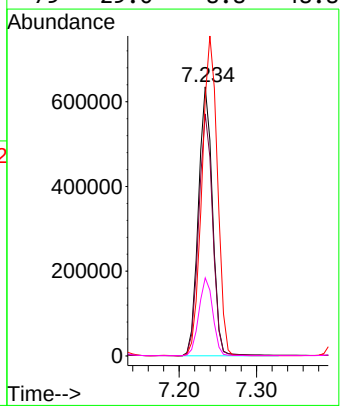


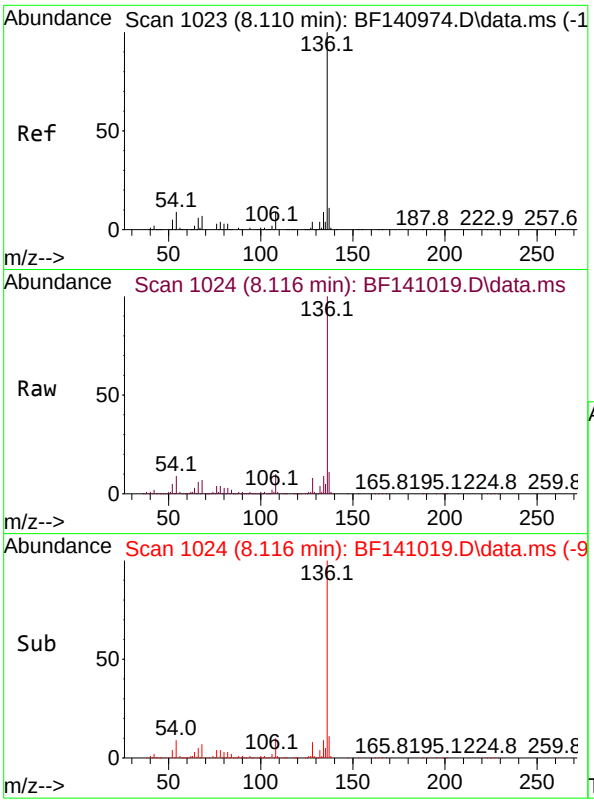


#20
3+4-Methylphenols
Concen: 37.751 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:107 Resp: 798915

Ion	Ratio	Lower	Upper
107	100		
108	90.0	69.6	109.6
77	95.7	57.6	97.6
79	29.0	8.8	48.8



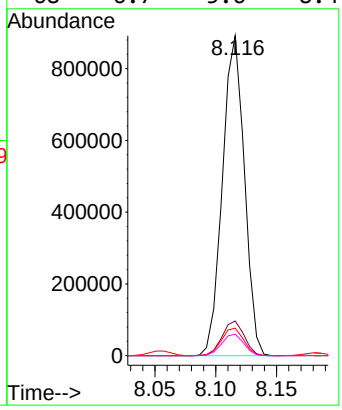


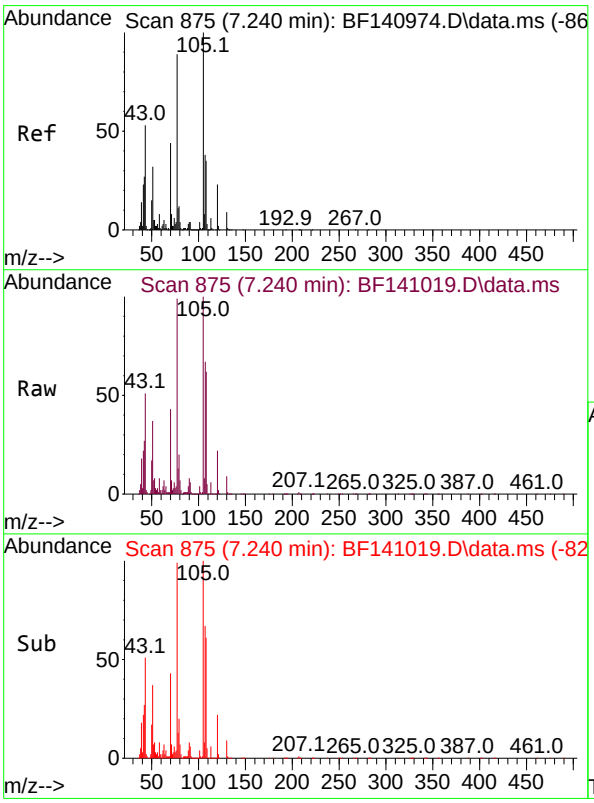
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1120357

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	8.6	7.6	11.4
68	6.7	5.6	8.4

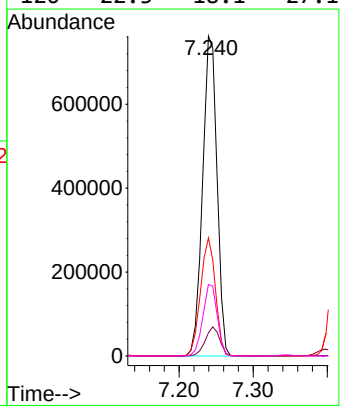


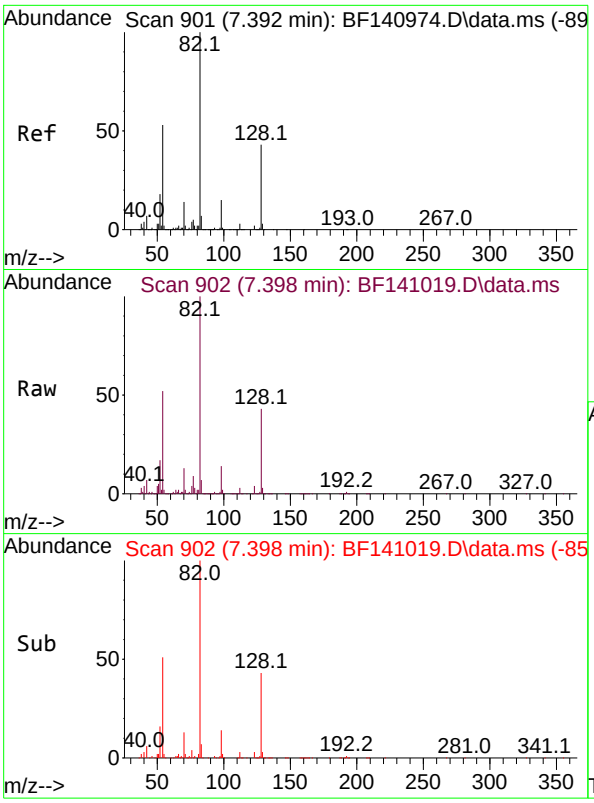


#22
Acetophenone
Concen: 37.489 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:105 Resp: 1030346

Ion	Ratio	Lower	Upper
105	100		
71	7.2	6.1	9.1
51	36.9	25.8	38.6
120	22.3	18.1	27.1



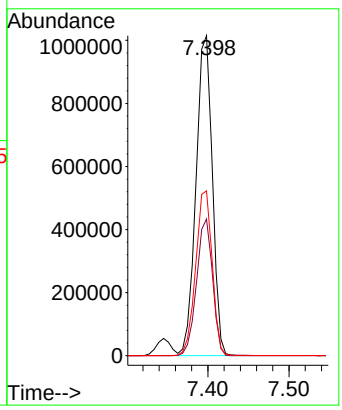


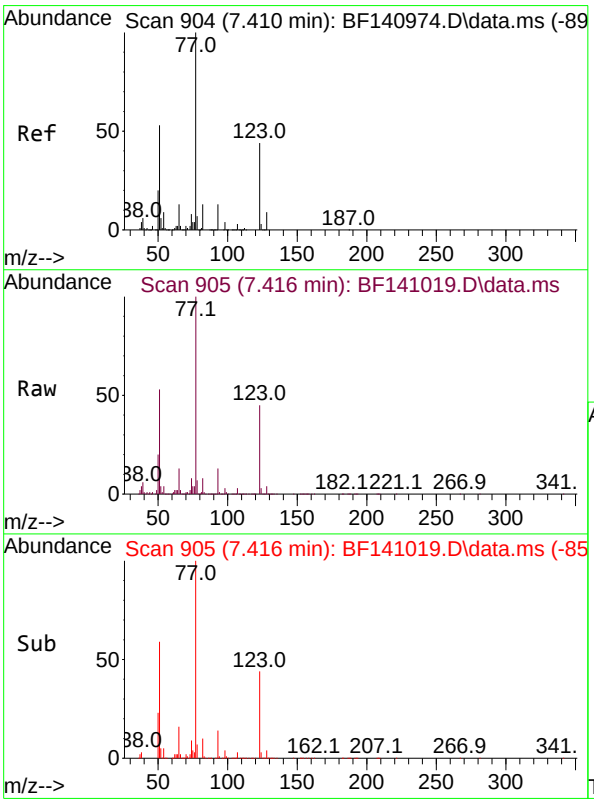
#23
Nitrobenzene-d5
Concen: 81.066 ng
RT: 7.398 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1419604

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.4	51.6
54	51.5	42.4	63.6

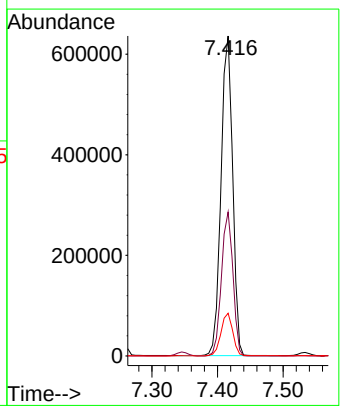


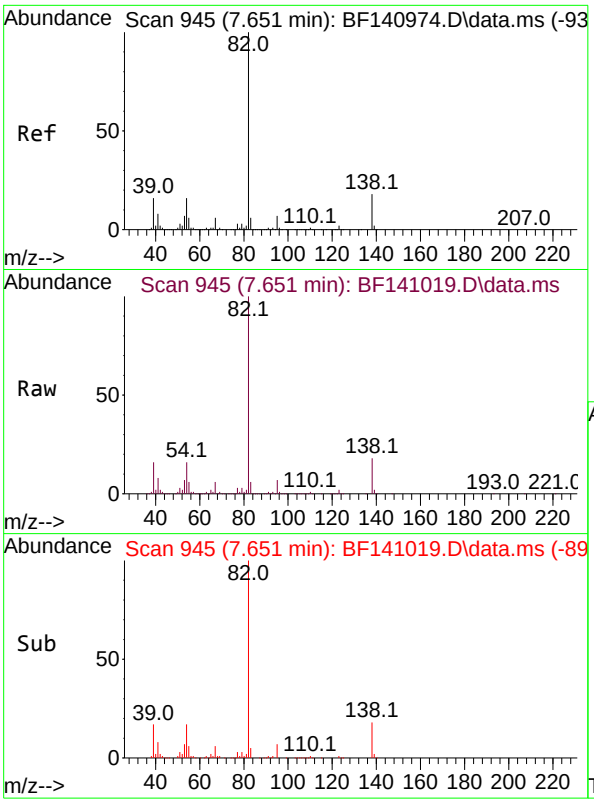


#24
Nitrobenzene
Concen: 39.818 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion: 77 Resp: 779136

Ion	Ratio	Lower	Upper
77	100		
123	45.0	35.4	53.2
65	13.3	10.7	16.1



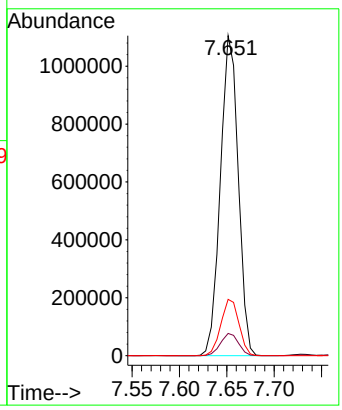


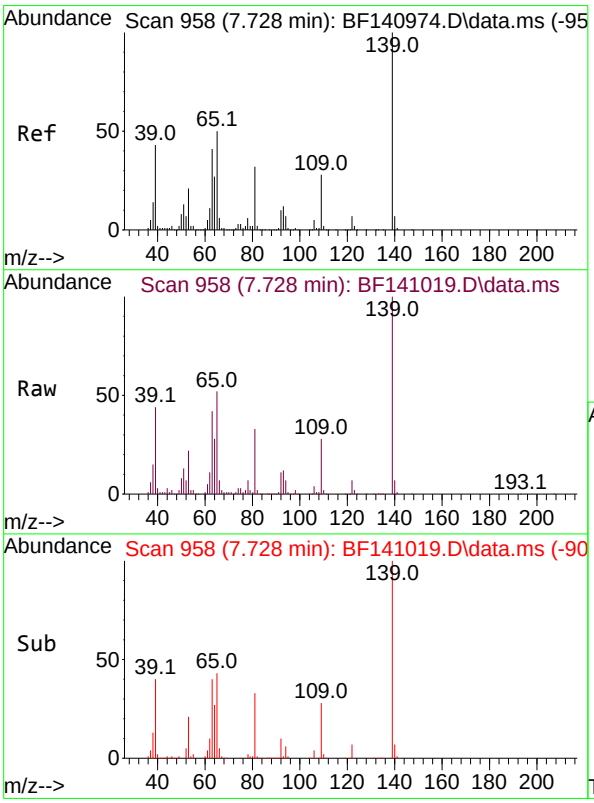
#25
Isophorone
Concen: 38.118 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1452518

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.6	14.6	21.8

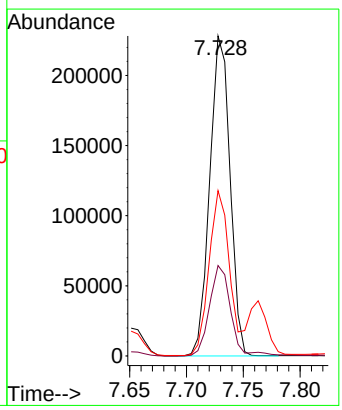


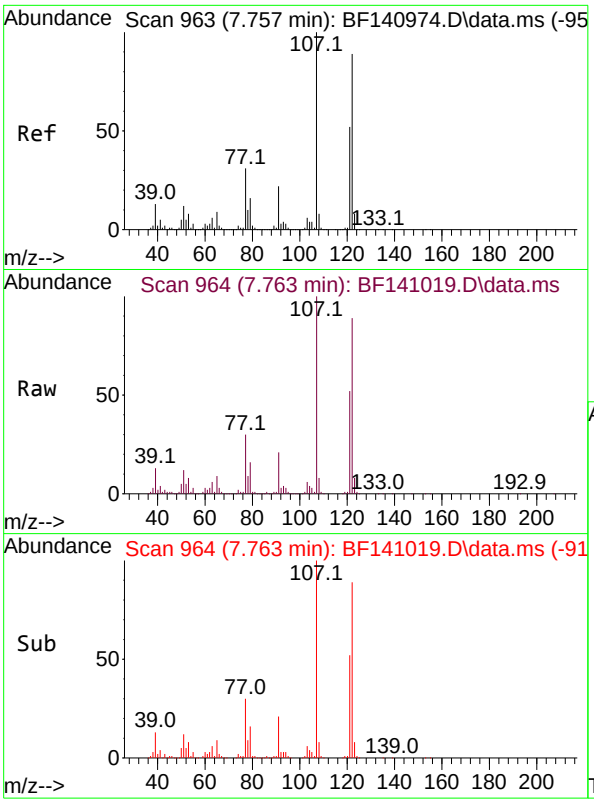


#26
2-Nitrophenol
Concen: 36.712 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:139 Resp: 283151

Ion	Ratio	Lower	Upper
139	100		
109	28.2	22.2	33.4
65	51.6	40.2	60.4



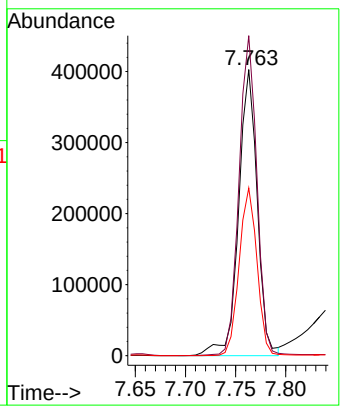


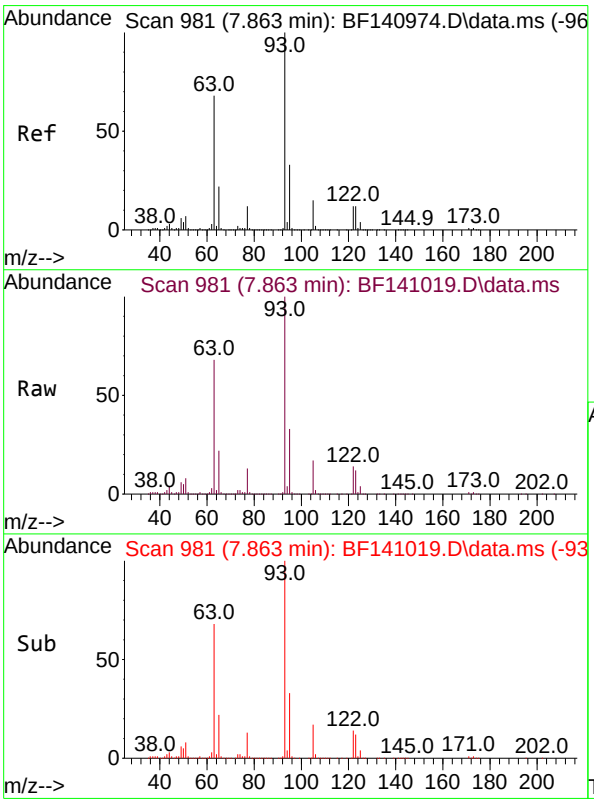
#27
2,4-Dimethylphenol
Concen: 37.492 ng
RT: 7.763 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 522137

Ion	Ratio	Lower	Upper
122	100		
107	111.9	89.4	134.2
121	58.6	46.7	70.1

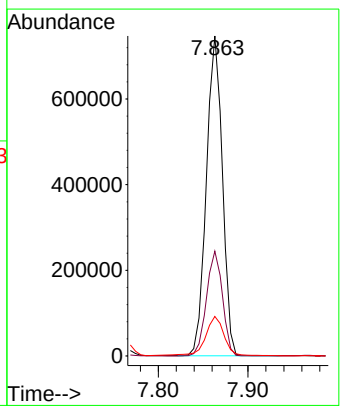


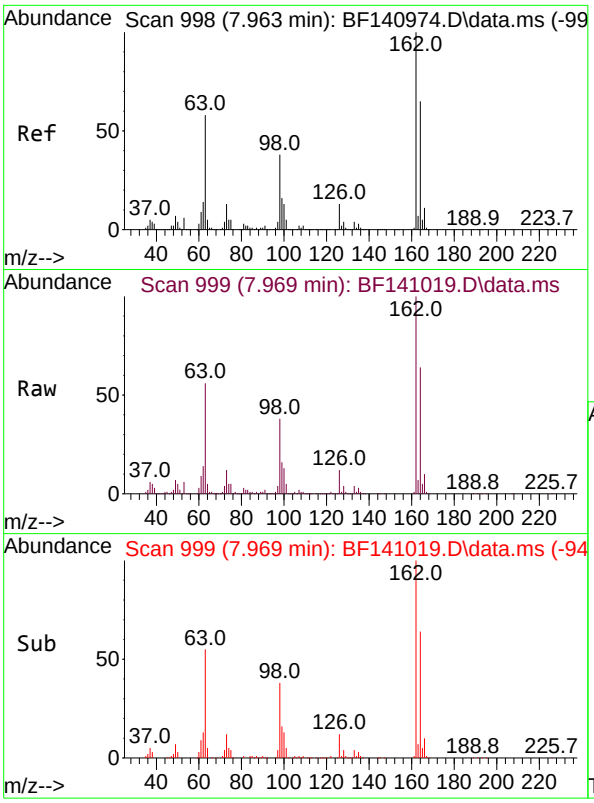


#28
bis(2-Chloroethoxy)methane
Concen: 38.280 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion: 93 Resp: 924219

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	12.3	9.9	14.9



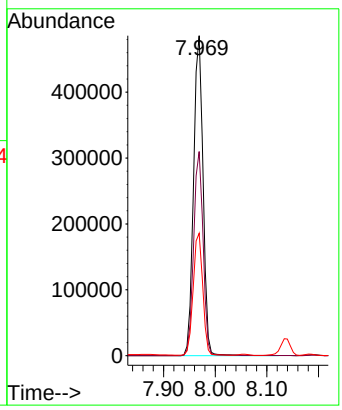


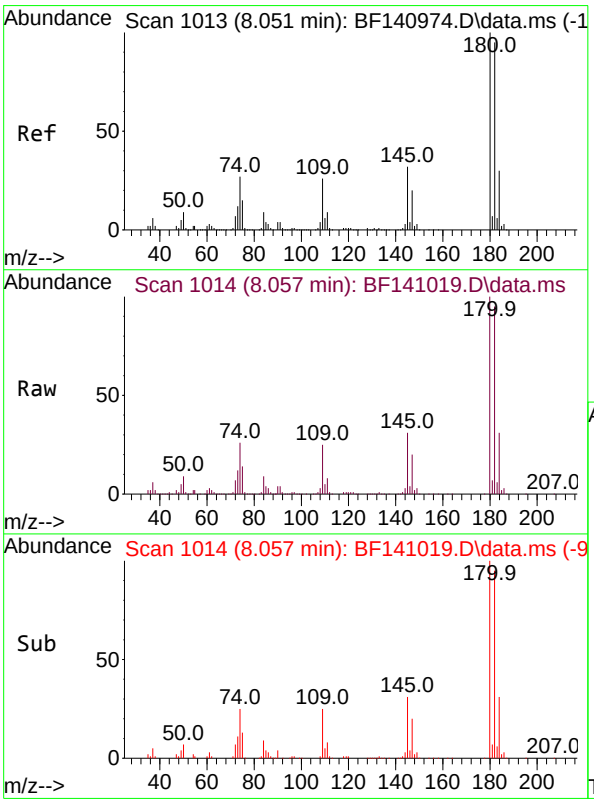
#29
2,4-Dichlorophenol
Concen: 39.219 ng
RT: 7.969 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 619461

Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.8	84.8
98	38.2	18.6	58.6

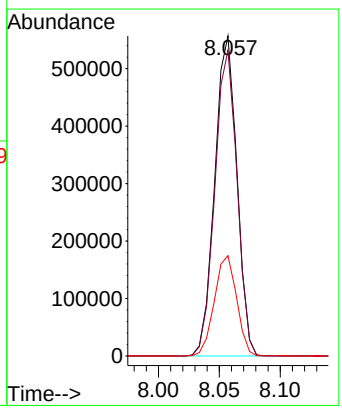


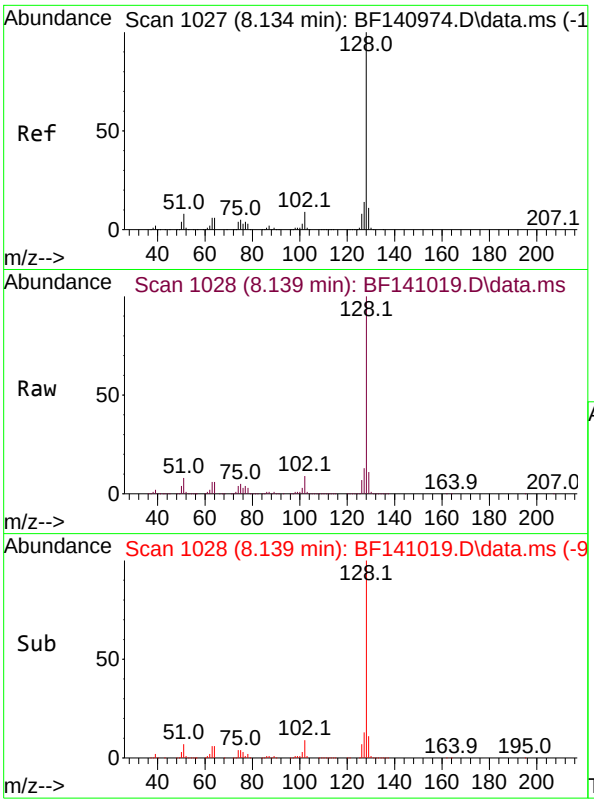


#30
1,2,4-Trichlorobenzene
Concen: 39.454 ng
RT: 8.057 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:180 Resp: 705338

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.4
145	31.3	25.4	38.2



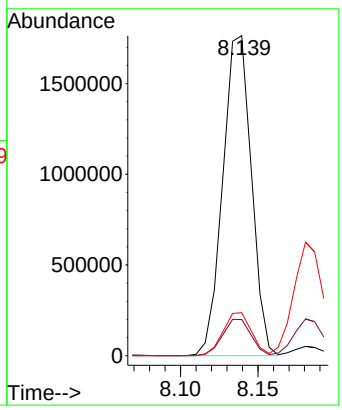


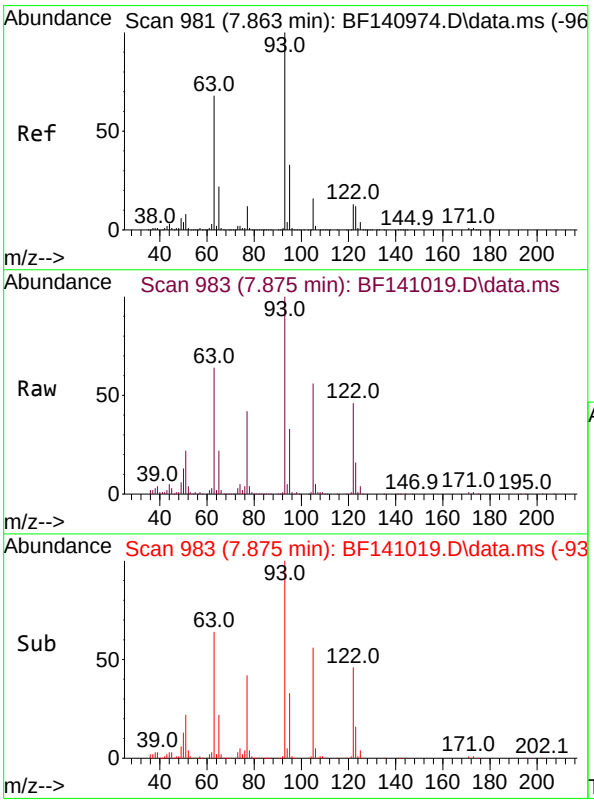
#31
Naphthalene
Concen: 38.378 ng
RT: 8.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2265686

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.4	11.0	16.4

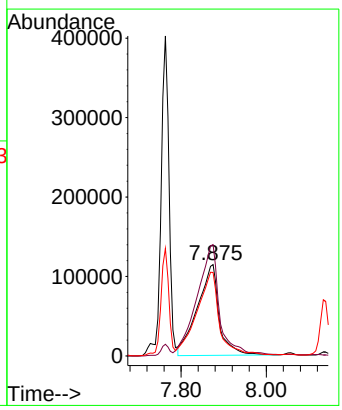


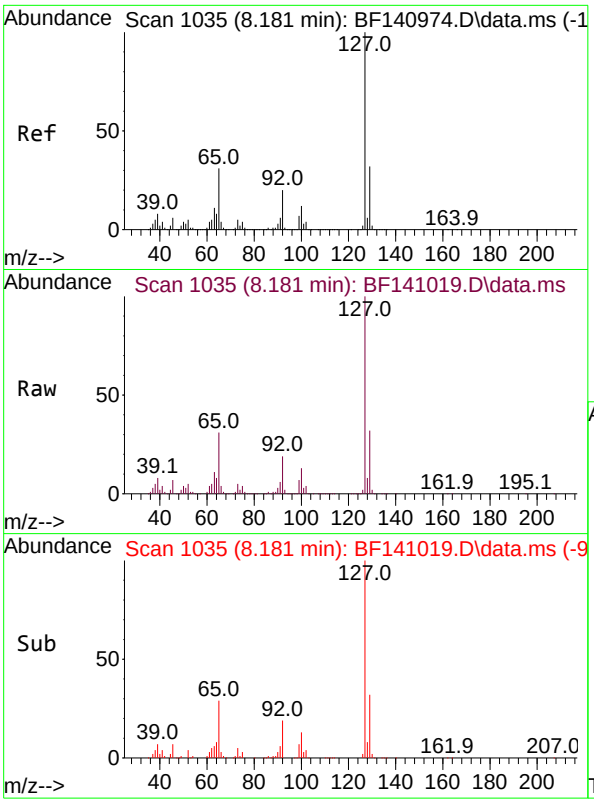


#32
Benzoic acid
Concen: 37.509 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.012 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:122 Resp: 406940

Ion	Ratio	Lower	Upper
122	100		
105	121.9	105.4	145.4
77	91.3	76.4	116.4



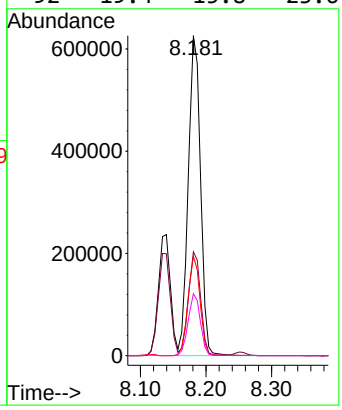


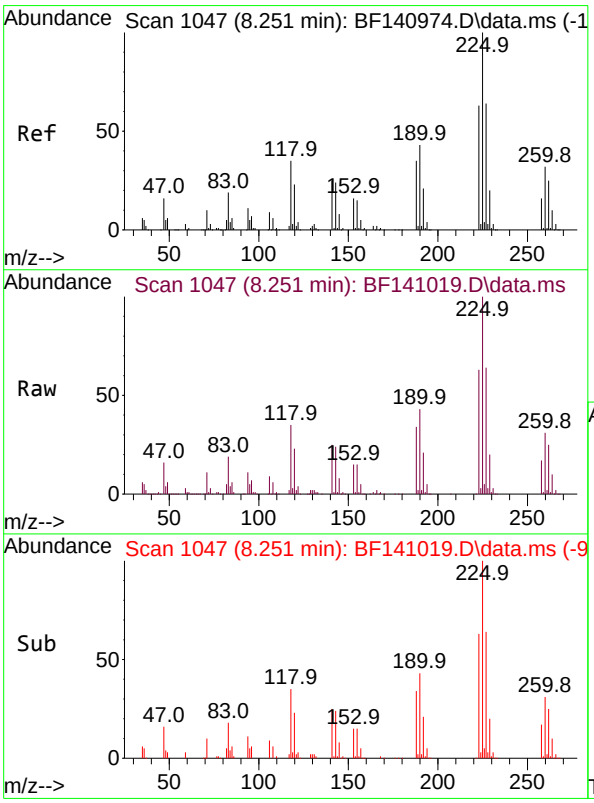
#33
4-Chloroaniline
Concen: 37.974 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 811033

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	31.1	24.6	37.0
92	19.4	15.8	23.6

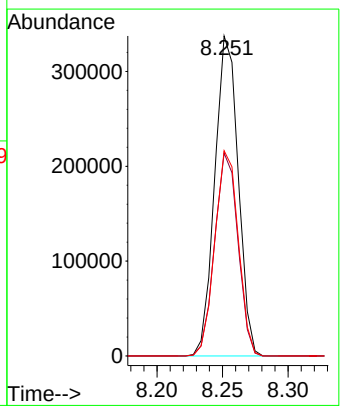


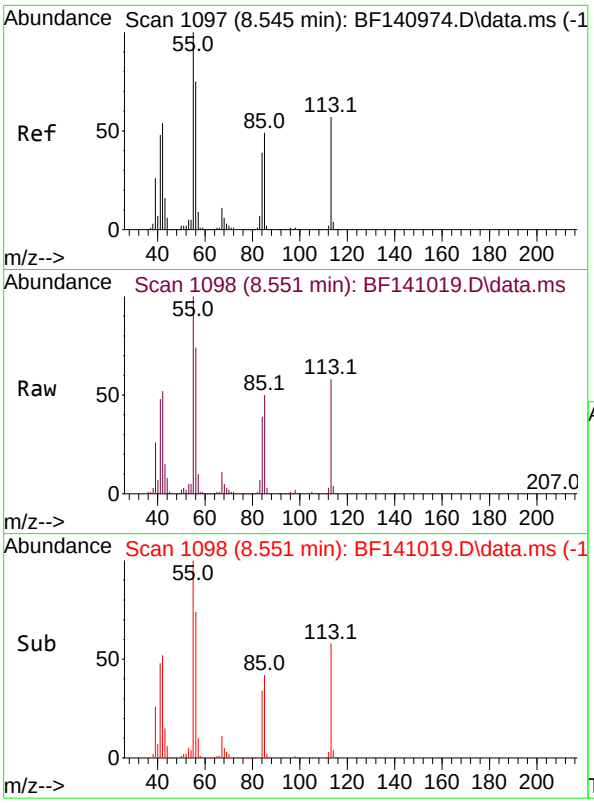


#34
Hexachlorobutadiene
Concen: 39.695 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:225 Resp: 418359

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.3	75.5
227	64.1	50.8	76.2



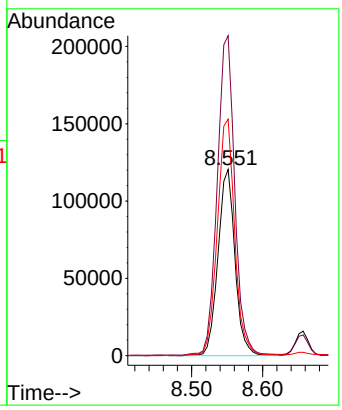


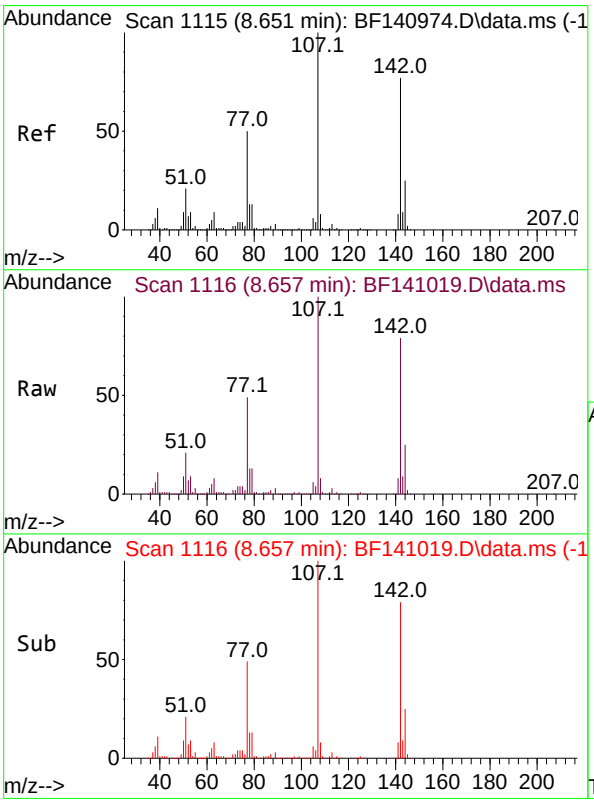
#35
Caprolactam
Concen: 37.147 ng
RT: 8.551 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 199464

Ion	Ratio	Lower	Upper
113	100		
55	171.8	156.6	196.6
56	127.0	111.7	151.7

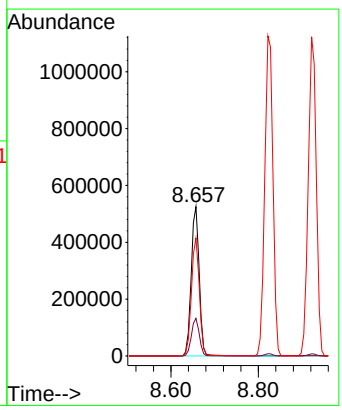


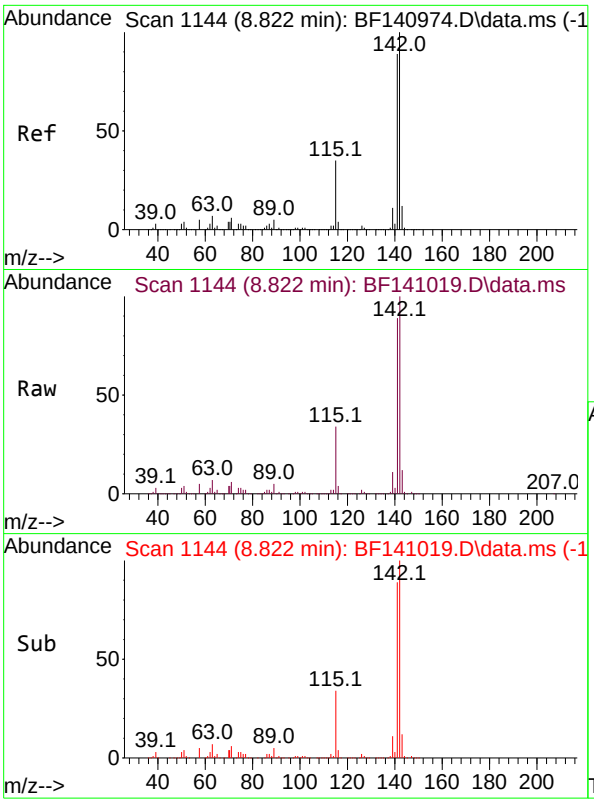


#36
4-Chloro-3-methylphenol
Concen: 38.337 ng
RT: 8.657 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:107 Resp: 672479

Ion	Ratio	Lower	Upper
107	100		
144	25.2	19.9	29.9
142	79.0	61.8	92.8



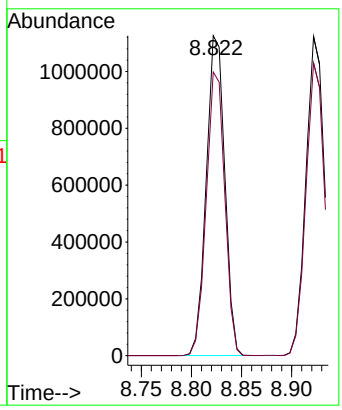


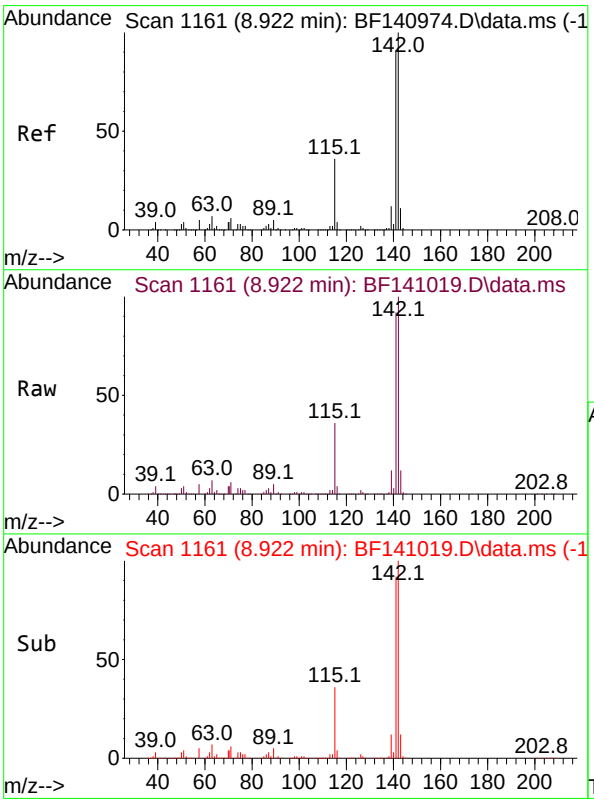
#37
2-Methylnaphthalene
Concen: 38.350 ng
RT: 8.822 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1448371

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.1	106.7

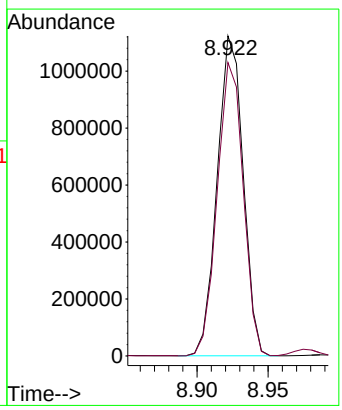


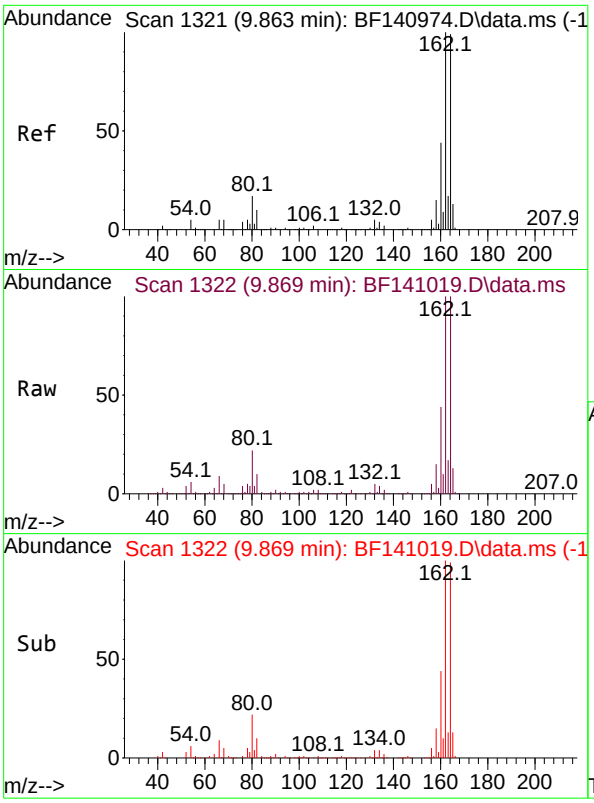


#38
1-Methylnaphthalene
Concen: 38.433 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:142 Resp: 1426512

Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.7	109.1



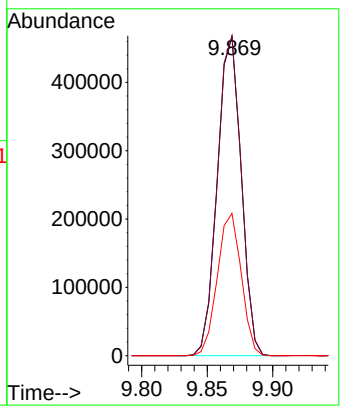


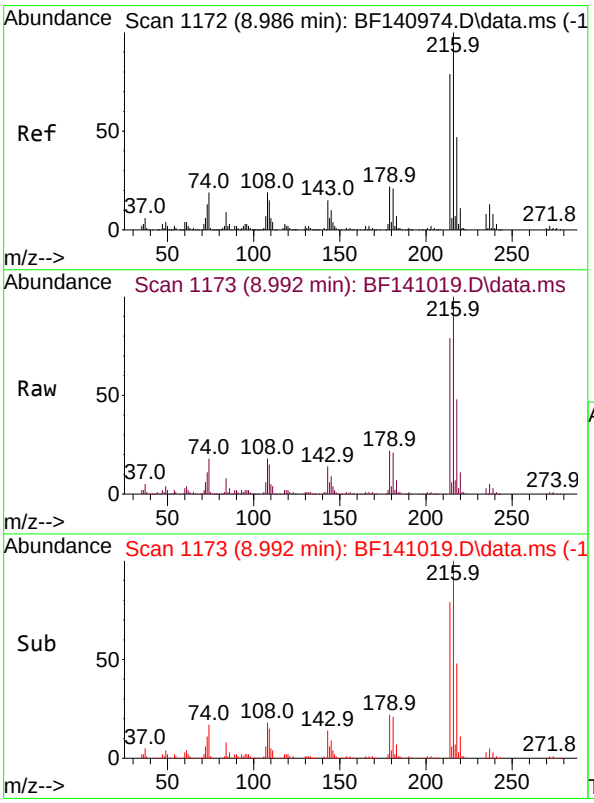
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 589913

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	120.8
160	44.6	35.7	53.5

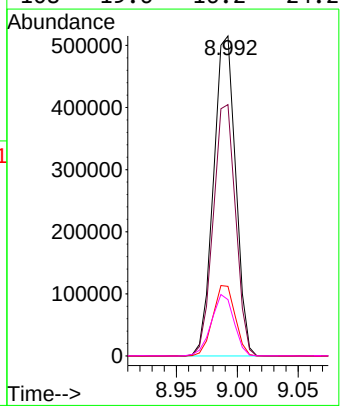


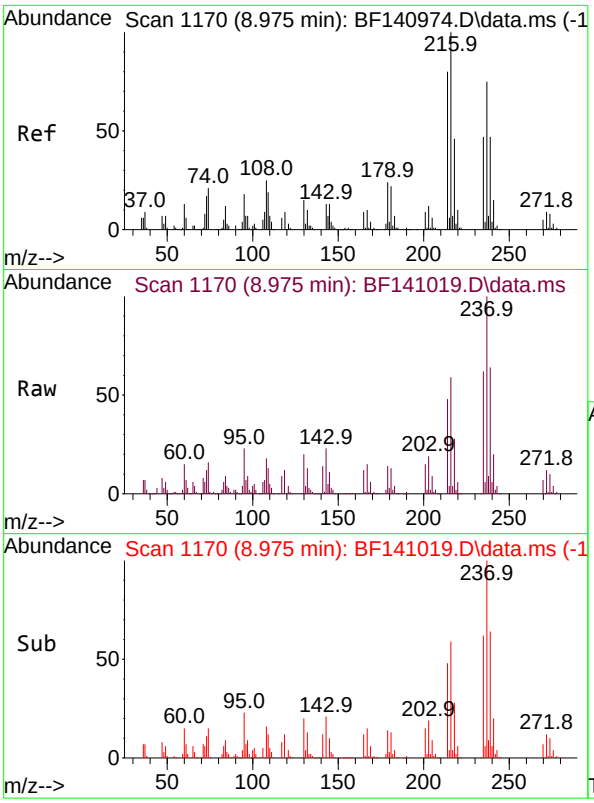


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.264 ng
RT: 8.992 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:216 Resp: 653460

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.6
179	22.1	17.9	26.9
108	19.6	16.2	24.2



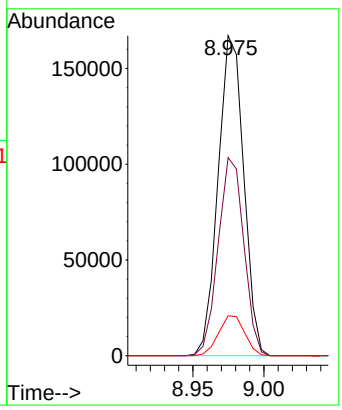


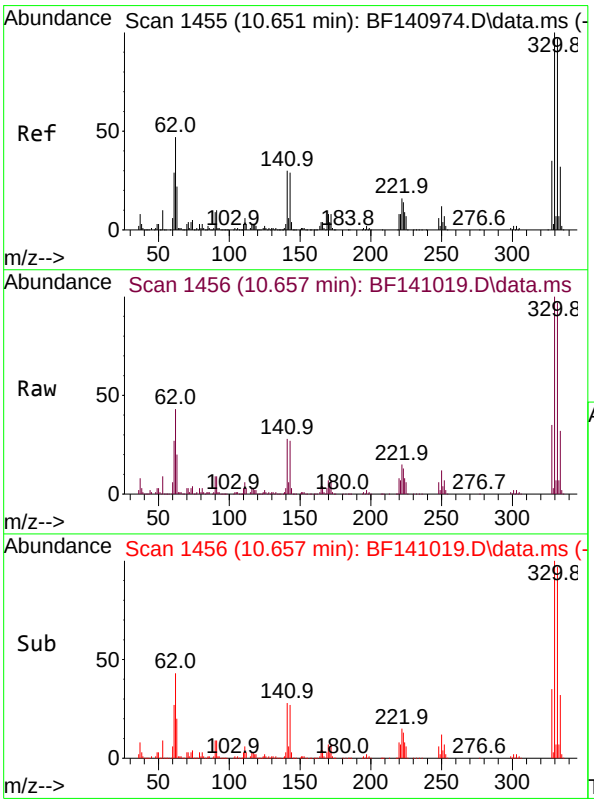
#41
Hexachlorocyclopentadiene
Concen: 38.997 ng
RT: 8.975 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 209732

Ion	Ratio	Lower	Upper
237	100		
235	61.9	43.4	83.4
272	12.4	0.0	32.6

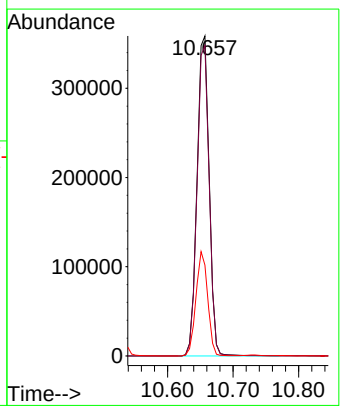


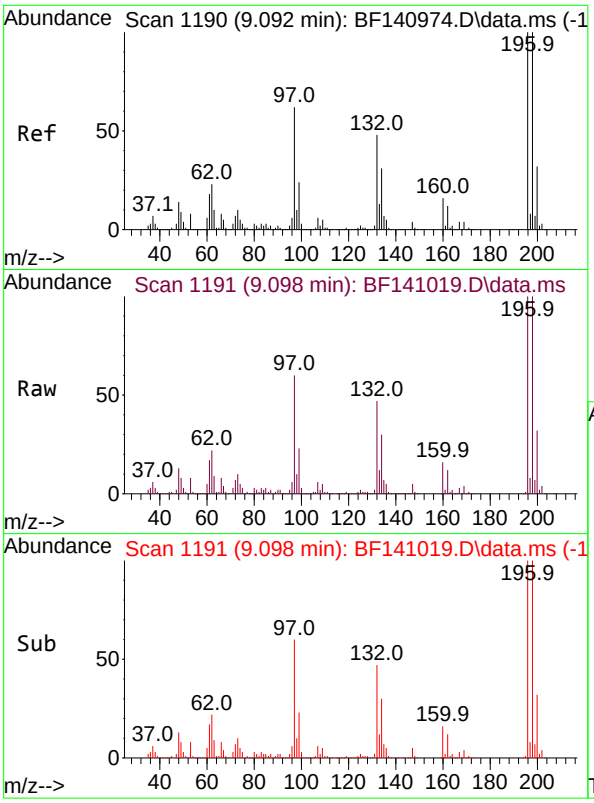


#42
2,4,6-Tribromophenol
Concen: 80.910 ng
RT: 10.657 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:330 Resp: 463792

Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.0	117.0
141	31.6	26.4	39.6



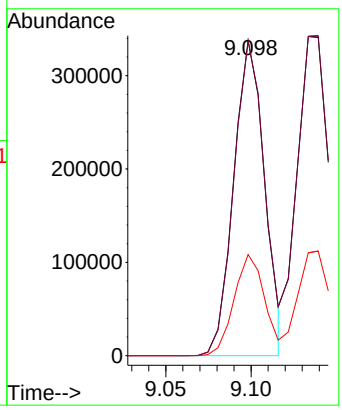


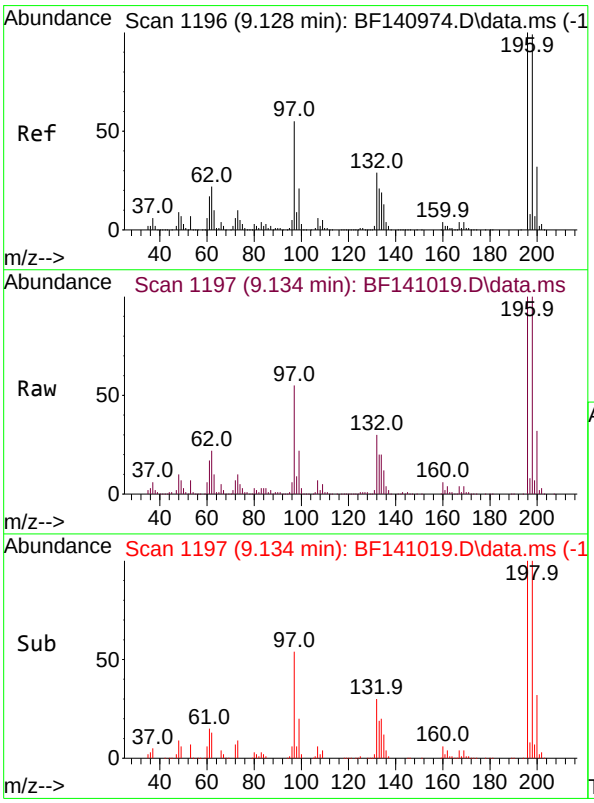
#43
2,4,6-Trichlorophenol
Concen: 39.216 ng
RT: 9.098 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 423585

Ion	Ratio	Lower	Upper
196	100		
198	99.8	80.2	120.4
200	32.1	25.8	38.6

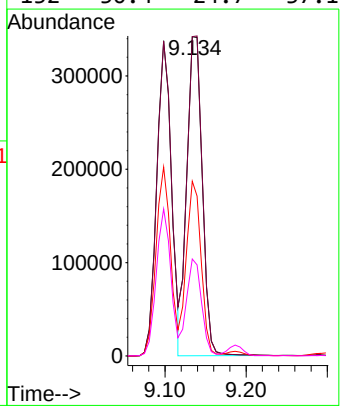


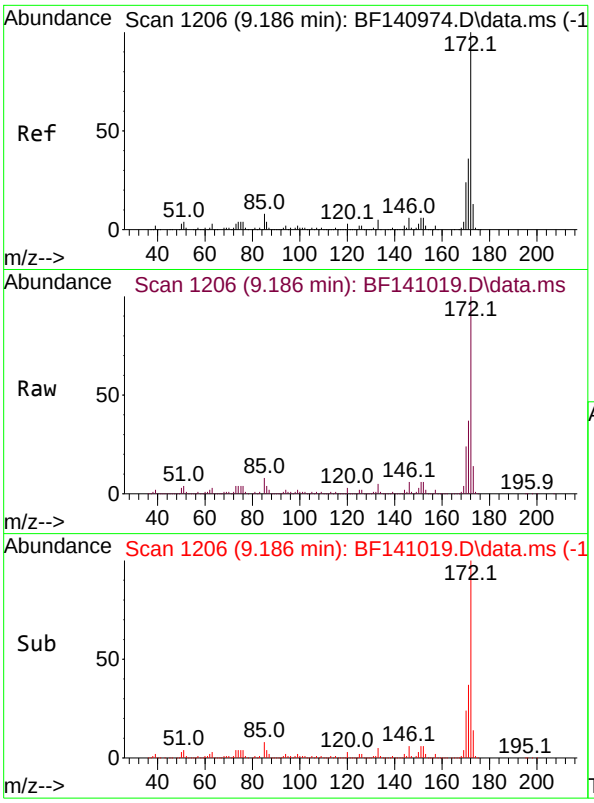


#44
2,4,5-Trichlorophenol
Concen: 41.049 ng
RT: 9.134 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:196 Resp: 453675

Ion	Ratio	Lower	Upper
196	100		
198	100.0	79.9	119.9
97	54.7	44.3	66.5
132	30.4	24.7	37.1



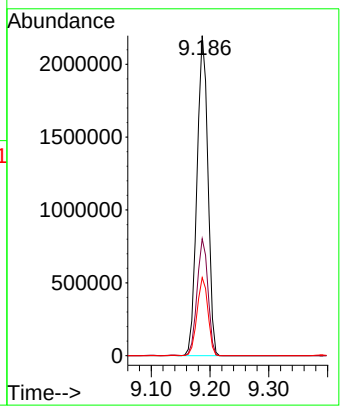


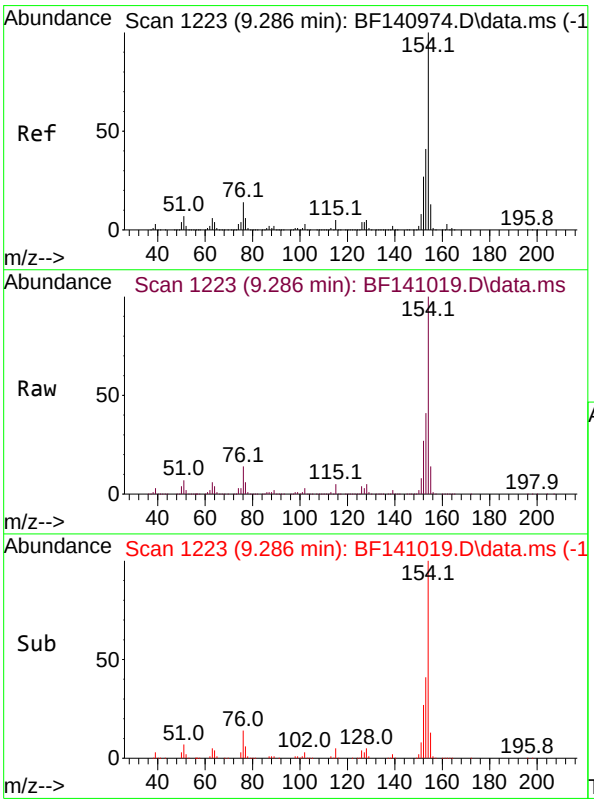
#45
2-Fluorobiphenyl
Concen: 76.589 ng
RT: 9.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2835781

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.4
170	24.4	19.6	29.4

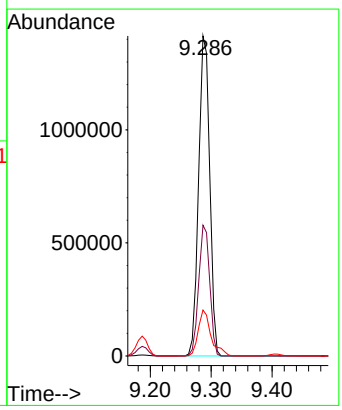


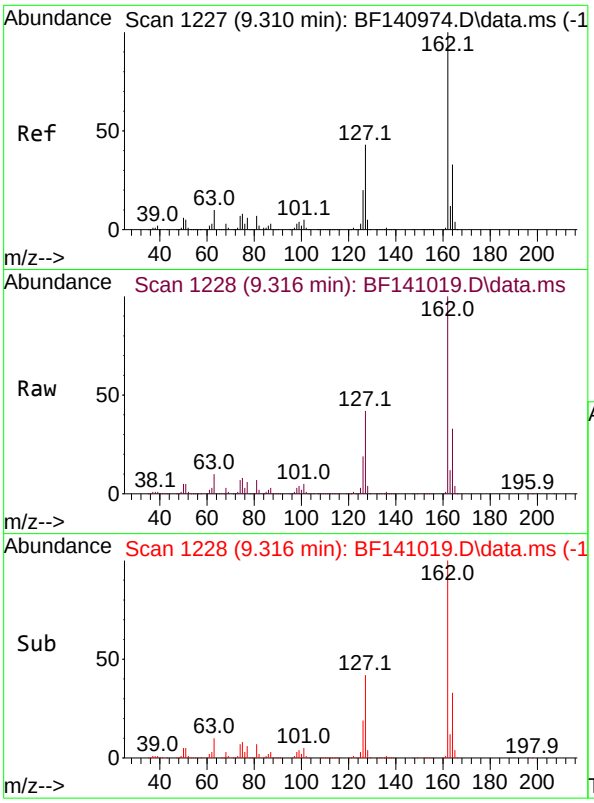


#46
1,1'-Biphenyl
Concen: 39.429 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:154 Resp: 1780971

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.9	60.9
76	14.4	0.0	34.0



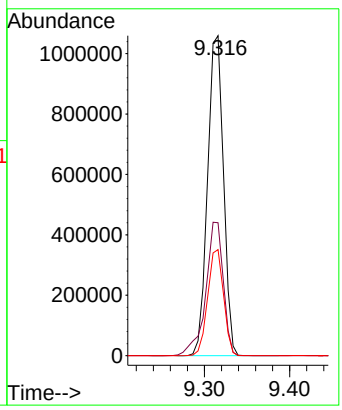


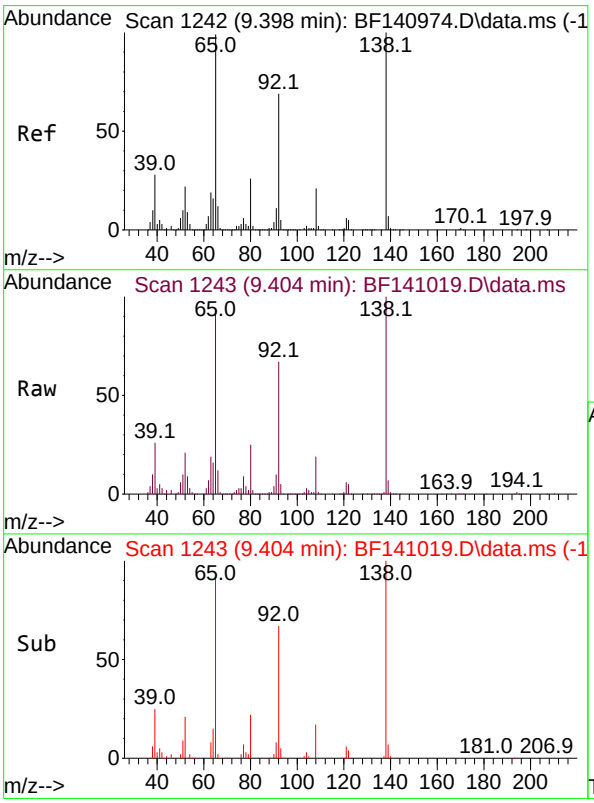
#47
2-Chloronaphthalene
Concen: 39.221 ng
RT: 9.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1373992

Ion	Ratio	Lower	Upper
162	100		
127	41.5	34.2	51.4
164	33.2	26.6	40.0

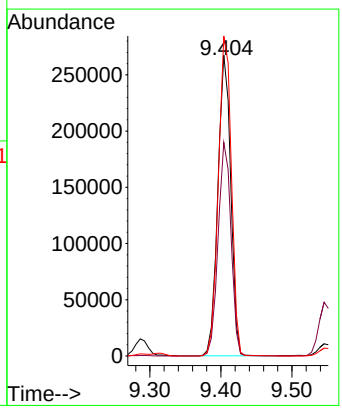


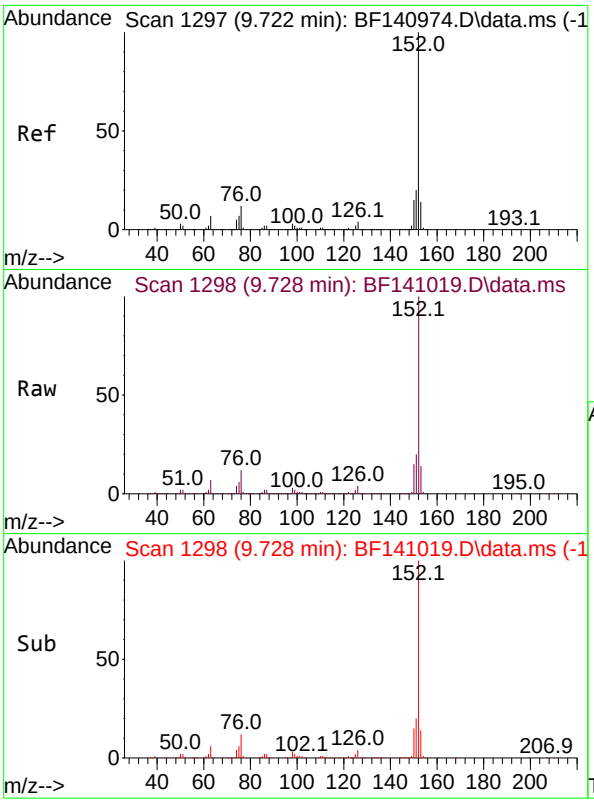


#48
2-Nitroaniline
Concen: 37.660 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion: 65 Resp: 334984

Ion	Ratio	Lower	Upper
65	100		
92	70.9	55.6	83.4
138	106.4	80.5	120.7



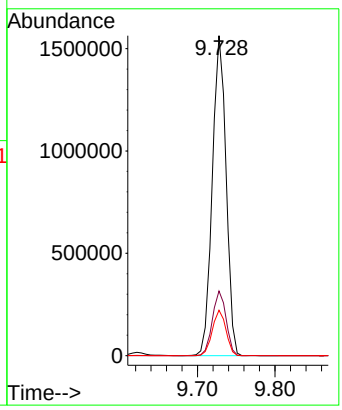


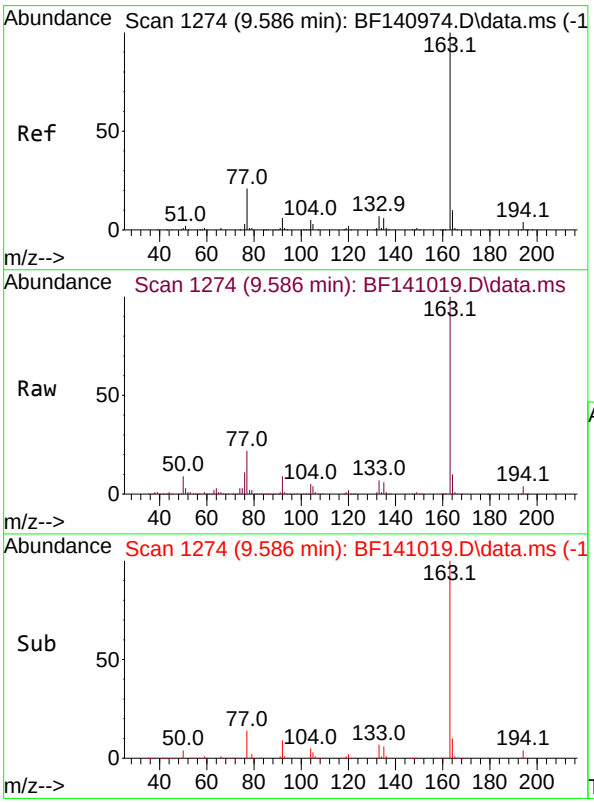
#49
Acenaphthylene
Concen: 38.219 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1927381

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4
153	14.2	11.4	17.0

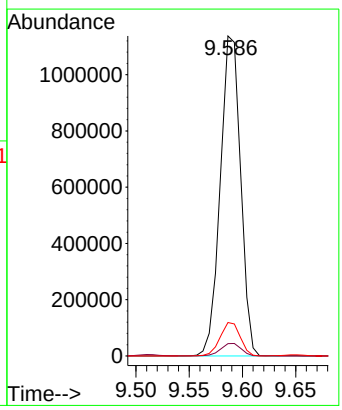


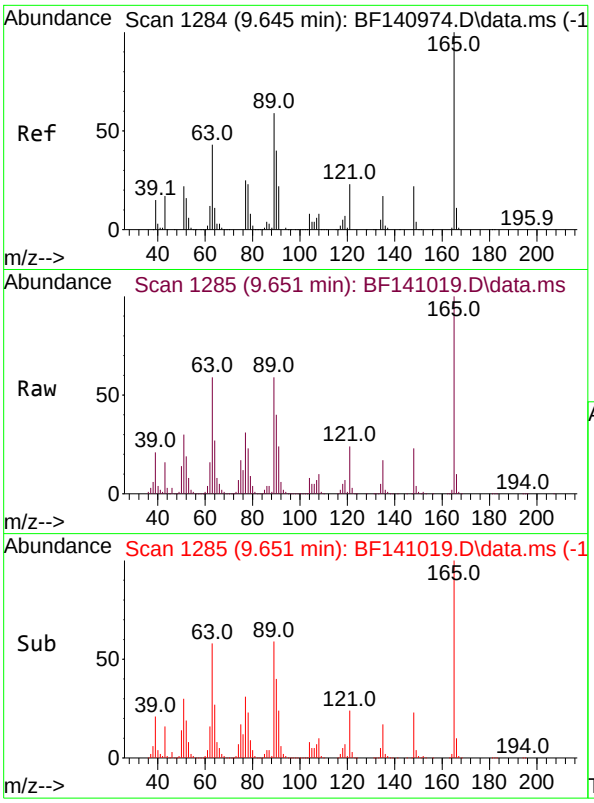


#50
Dimethylphthalate
Concen: 38.828 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:163 Resp: 1506626

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.5	8.3	12.5



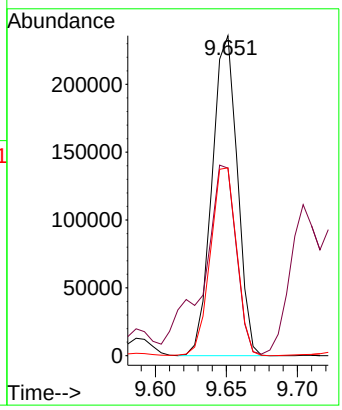


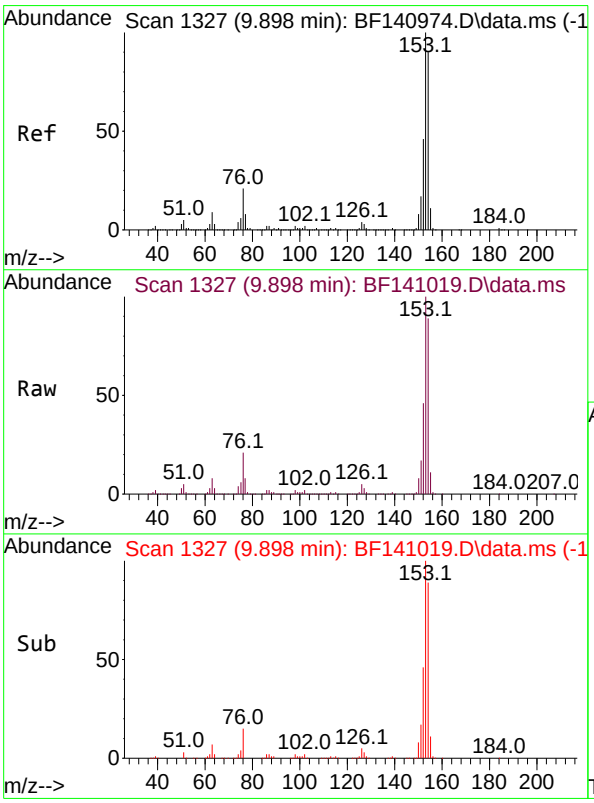
#51
2,6-Dinitrotoluene
Concen: 37.873 ng
RT: 9.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 293090

Ion	Ratio	Lower	Upper
165	100		
63	58.6	47.1	70.7
89	58.7	47.0	70.4

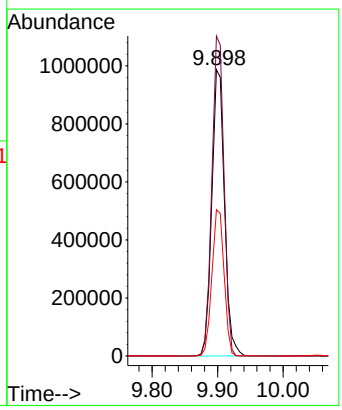


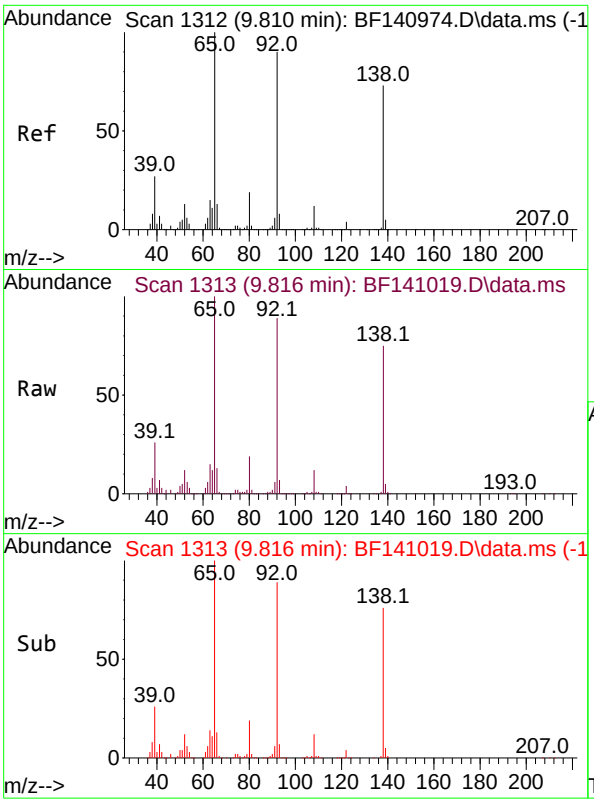


#52
Acenaphthene
Concen: 38.800 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:154 Resp: 1322805

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.2	133.8
152	51.1	40.9	61.3



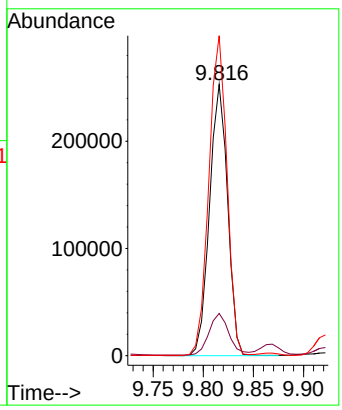


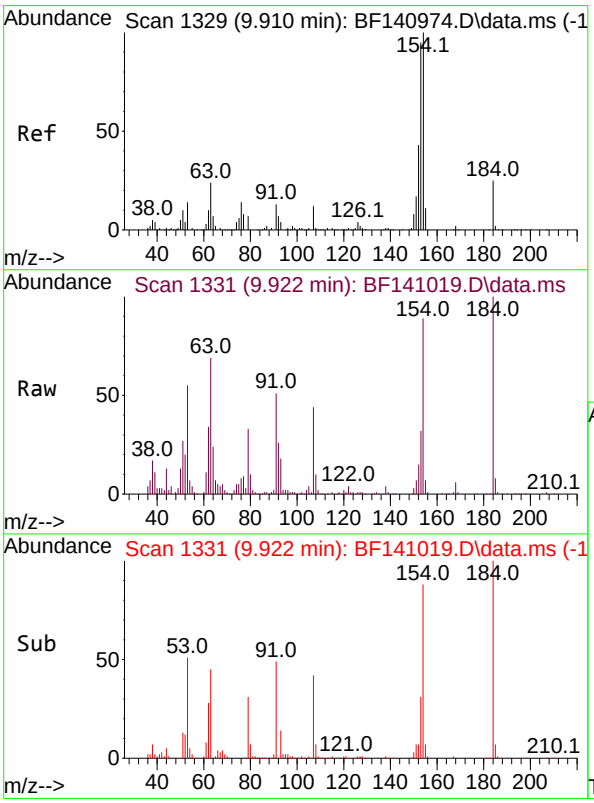
#53
3-Nitroaniline
Concen: 37.526 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 316358

Ion	Ratio	Lower	Upper
138	100		
108	15.6	13.5	20.3
92	118.0	97.7	146.5

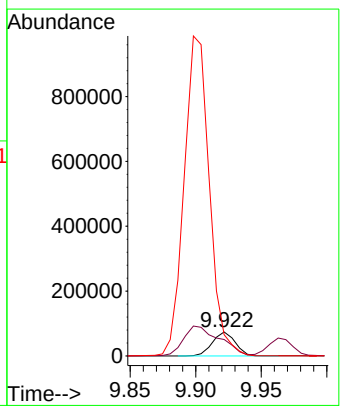


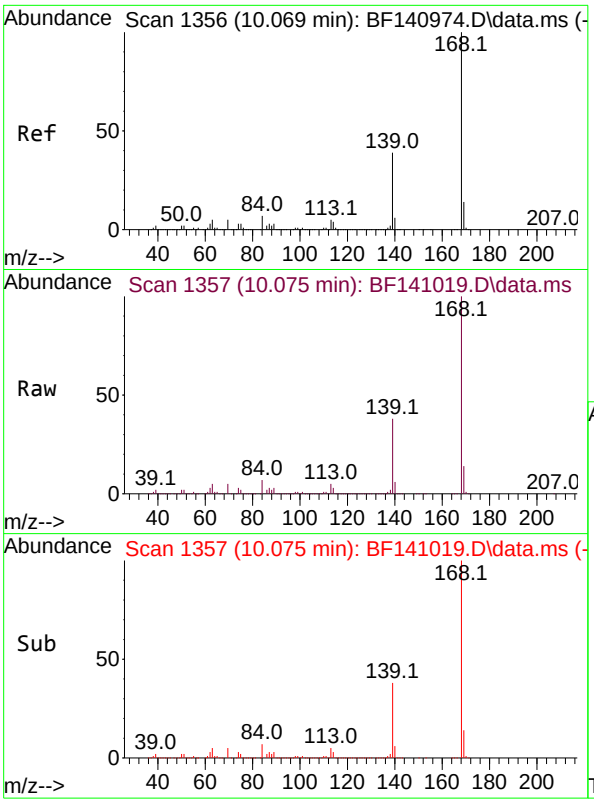


#54
2,4-Dinitrophenol
Concen: 39.273 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.012 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:184 Resp: 89470

Ion	Ratio	Lower	Upper
184	100		
63	69.0	81.6	122.4#
154	88.6	363.5	545.3#



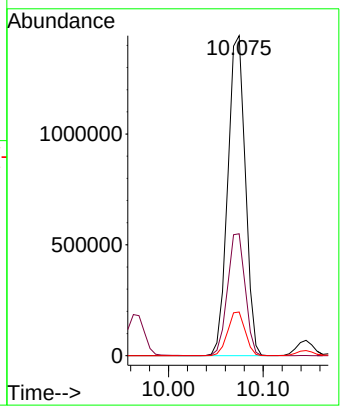


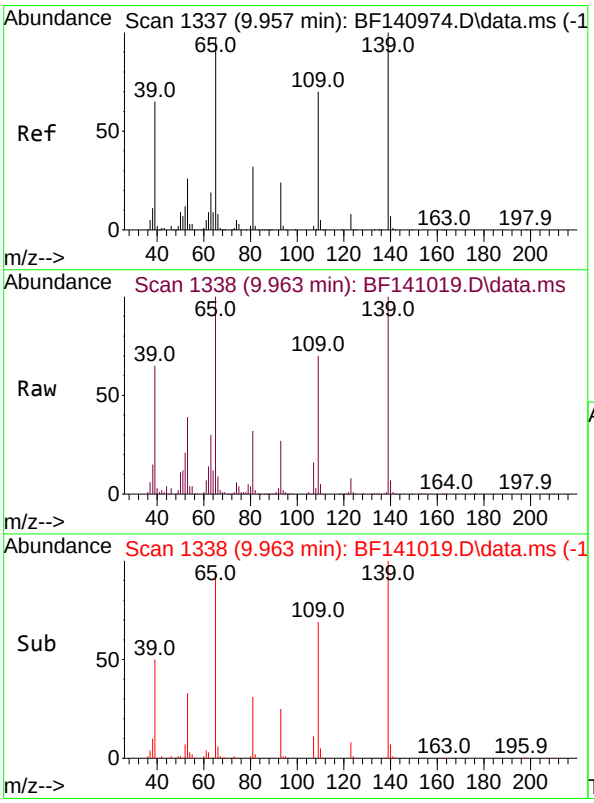
#55
Dibenzofuran
Concen: 38.768 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1857502

Ion	Ratio	Lower	Upper
168	100		
139	38.1	31.6	47.4
169	13.6	11.0	16.6

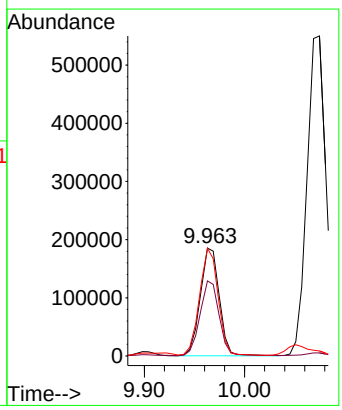


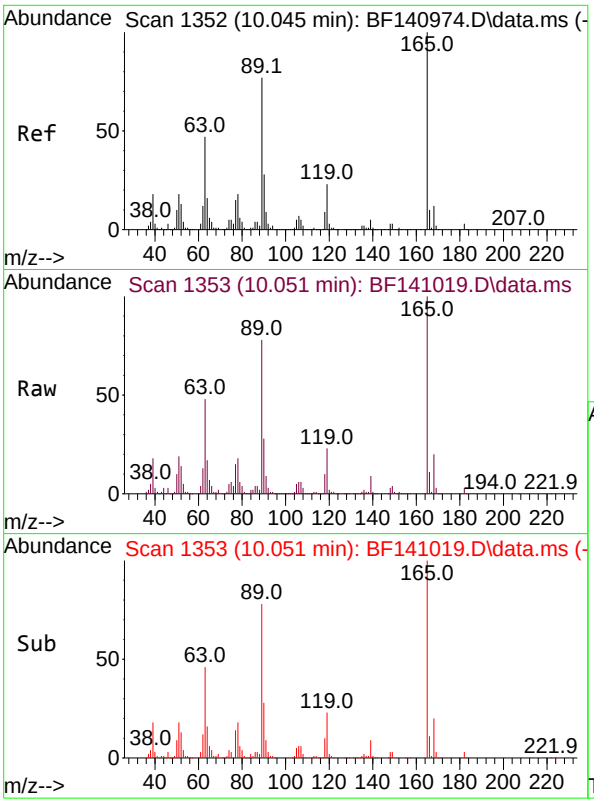


#56
4-Nitrophenol
Concen: 36.820 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:139 Resp: 244391

Ion	Ratio	Lower	Upper
139	100		
109	69.7	50.8	90.8
65	99.9	78.5	118.5



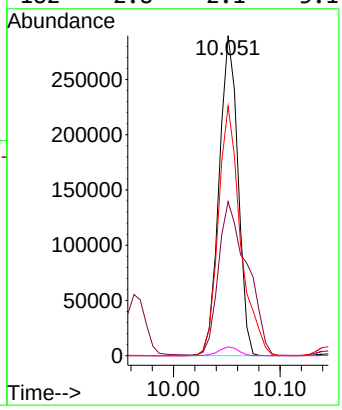


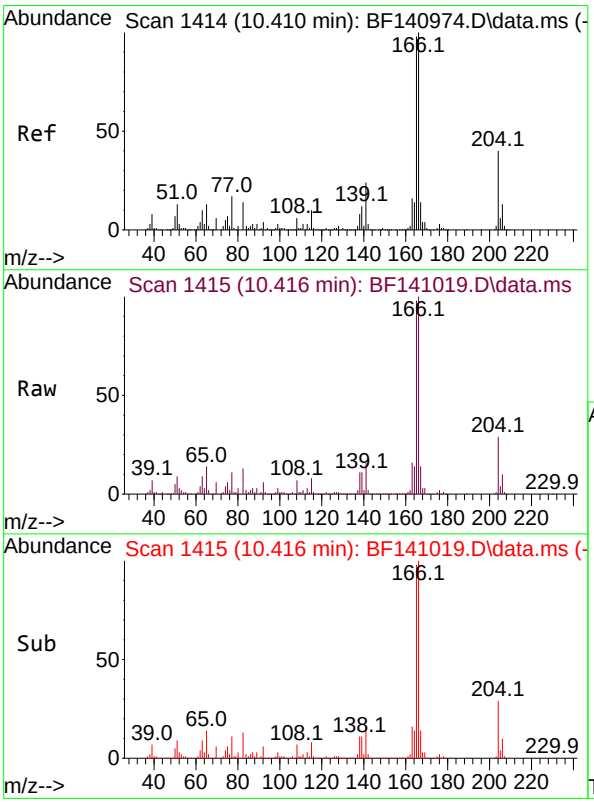
#57
2,4-Dinitrotoluene
Concen: 37.740 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 355172

Ion	Ratio	Lower	Upper
165	100		
63	48.2	38.1	57.1
89	77.9	61.4	92.2
182	2.8	2.1	3.1

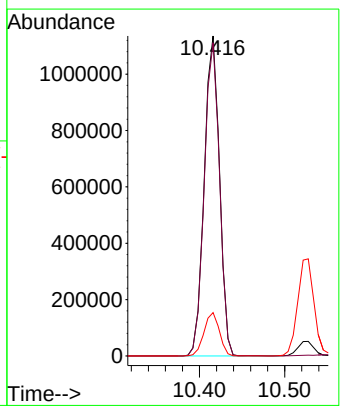


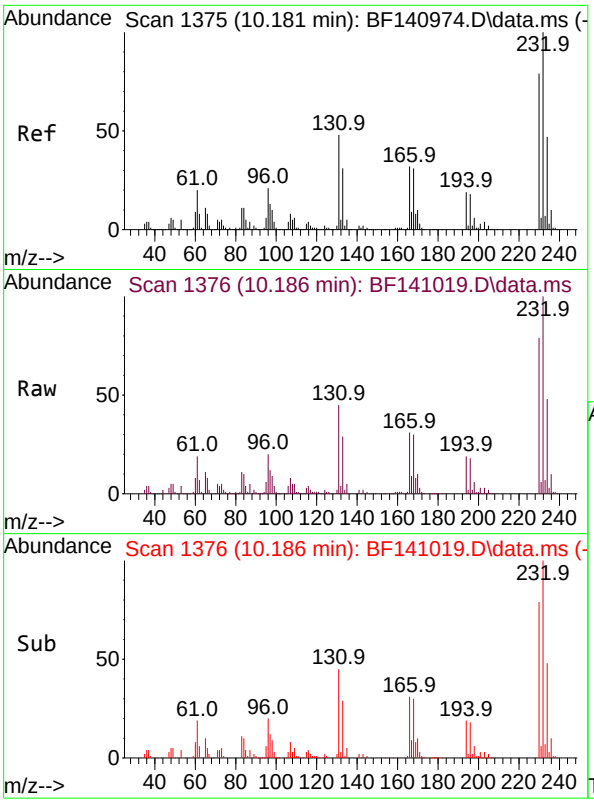


#58
Fluorene
Concen: 38.077 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:166 Resp: 1414704

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.3	117.5
167	13.5	10.9	16.3



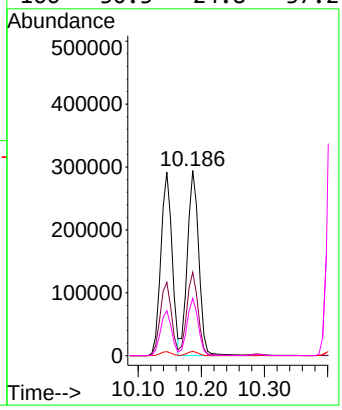


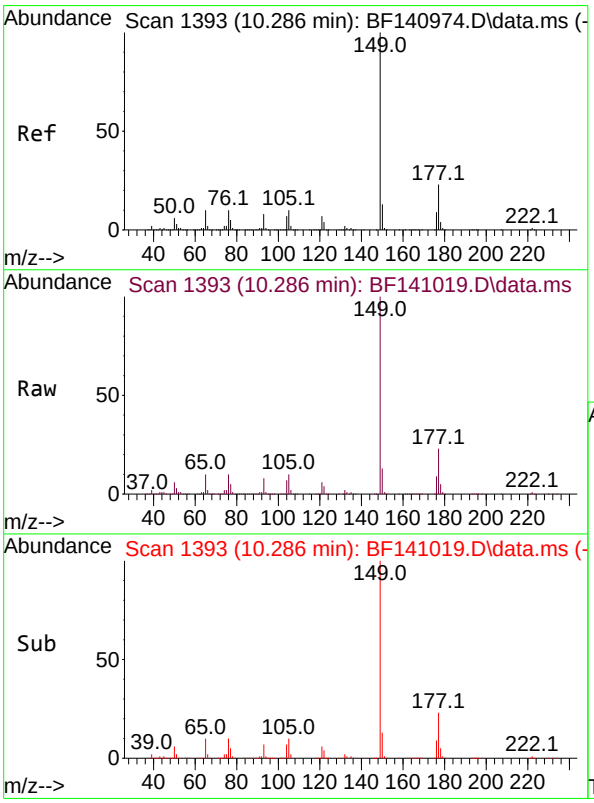
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.416 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 369931

Ion	Ratio	Lower	Upper
232	100		
131	44.8	37.4	56.2
130	2.2	1.8	2.8
166	30.3	24.8	37.2

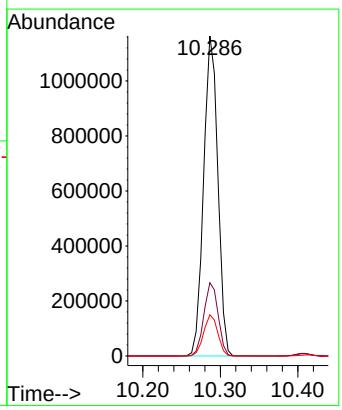


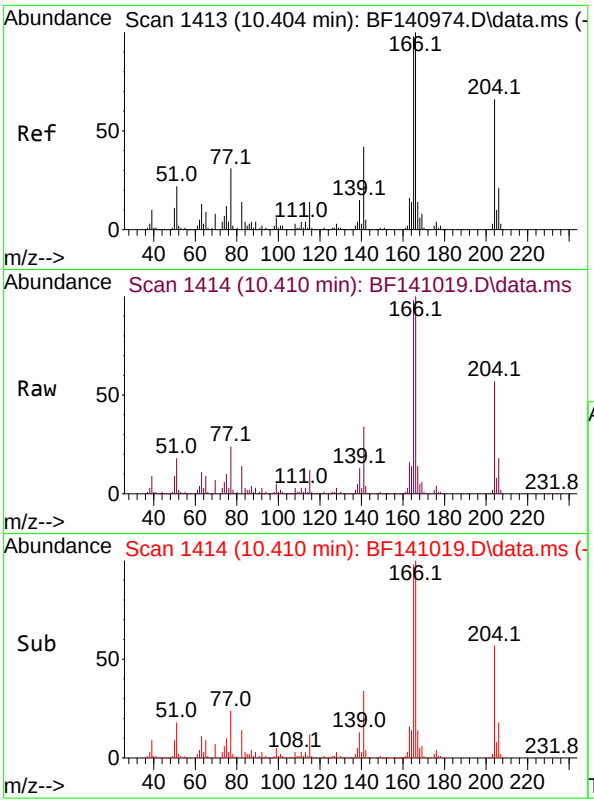


#60
Diethylphthalate
Concen: 38.618 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:149 Resp: 1479347

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	12.9	10.4	15.6



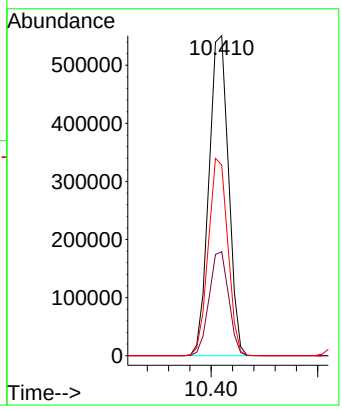


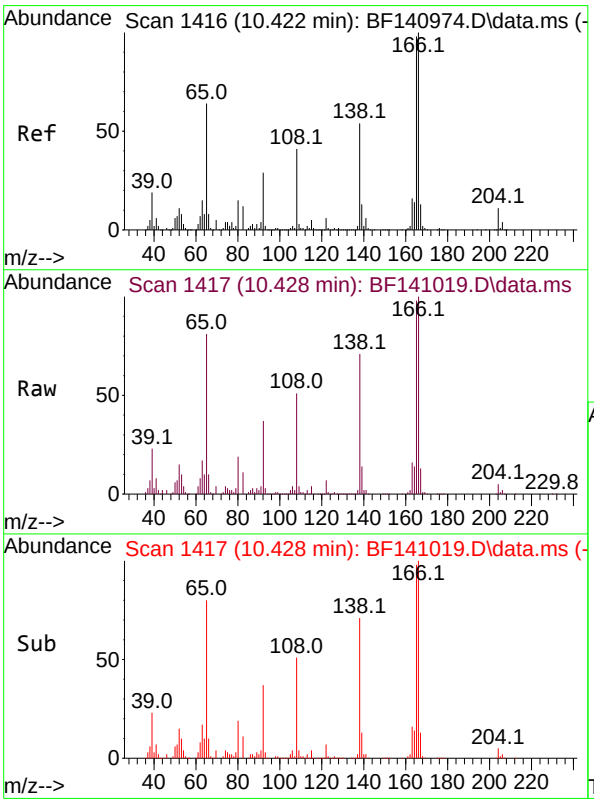
#61
4-Chlorophenyl-phenylether
Concen: 39.313 ng
RT: 10.410 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 702832

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.6
141	59.6	51.2	76.8

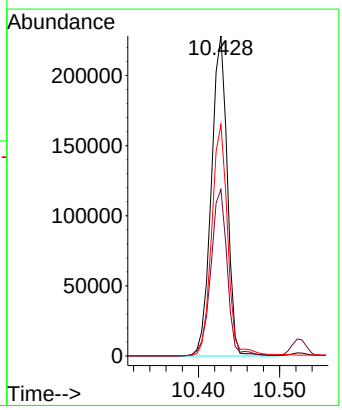


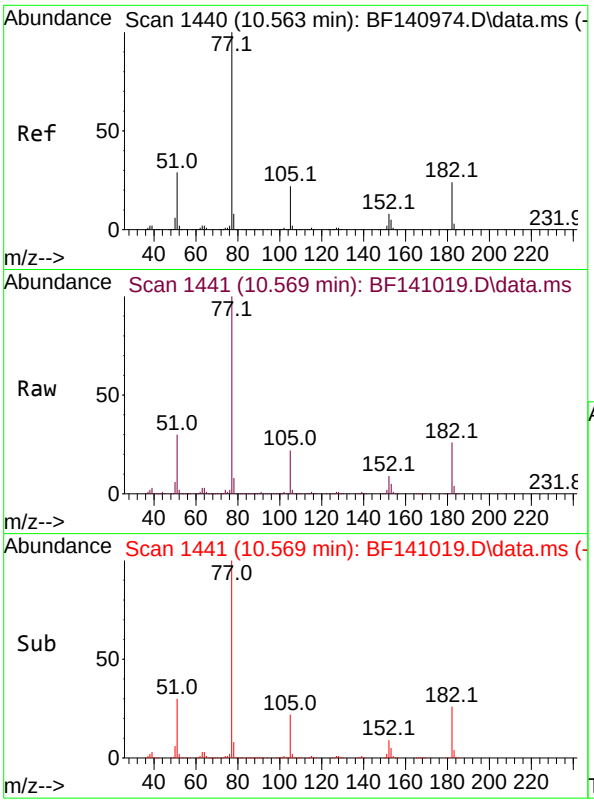


#62
4-Nitroaniline
Concen: 37.095 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:138 Resp: 311892

Ion	Ratio	Lower	Upper
138	100		
92	52.1	34.8	74.8
108	72.3	55.9	95.9



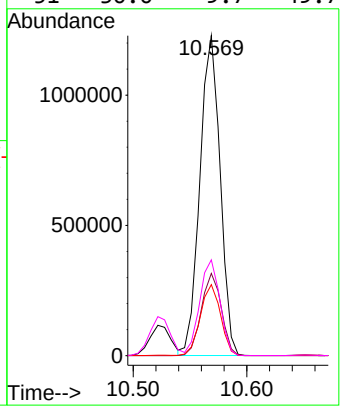


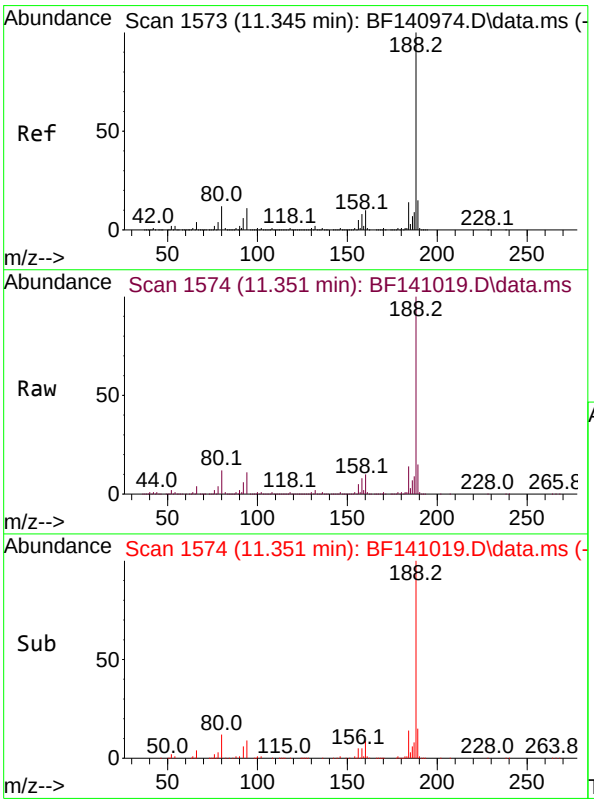
#63
Azobenzene
Concen: 37.847 ng
RT: 10.569 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1521732

Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.1	44.1
105	22.2	1.8	41.8
51	30.0	9.7	49.7

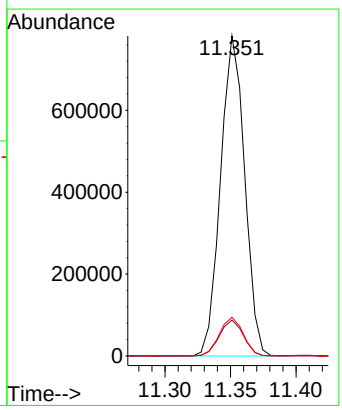


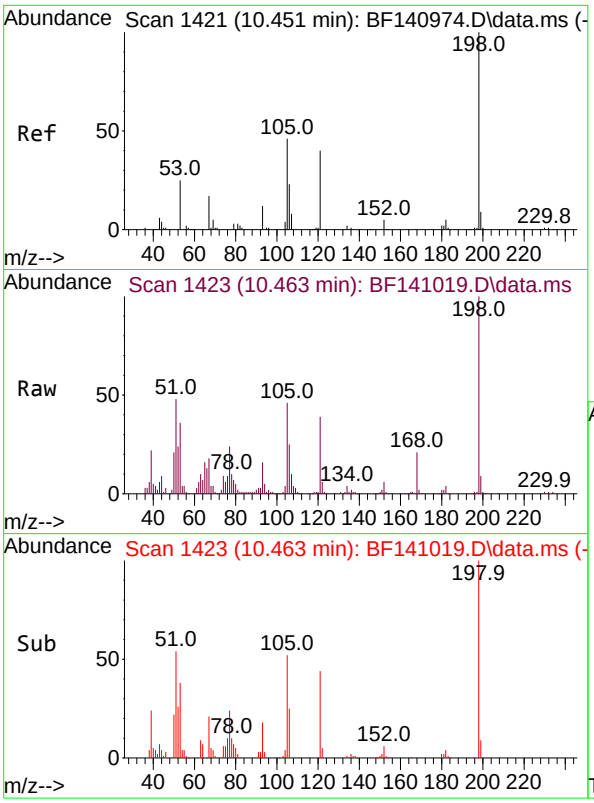


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:188 Resp: 999326

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.0	13.6
80	12.1	9.8	14.6



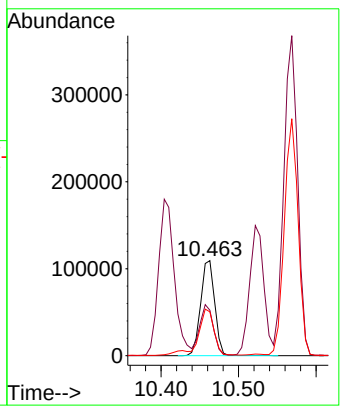


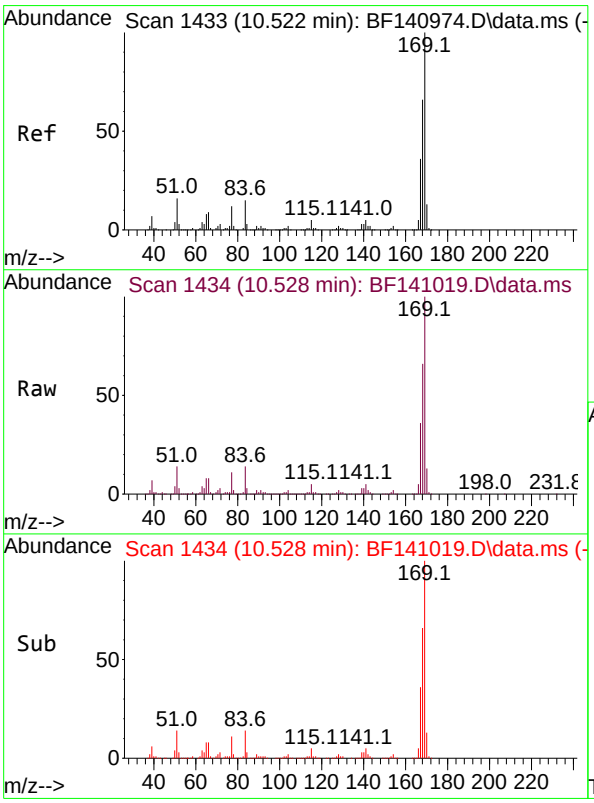
#65
4,6-Dinitro-2-methylphenol
Concen: 37.186 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 137748

Ion	Ratio	Lower	Upper
198	100		
51	47.9	32.3	72.3
105	46.0	28.4	68.4

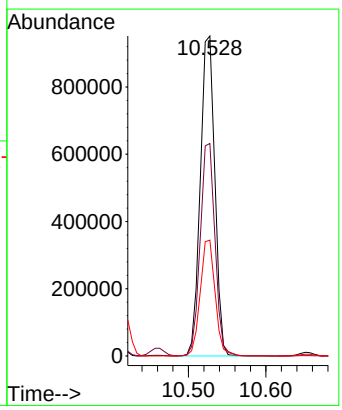


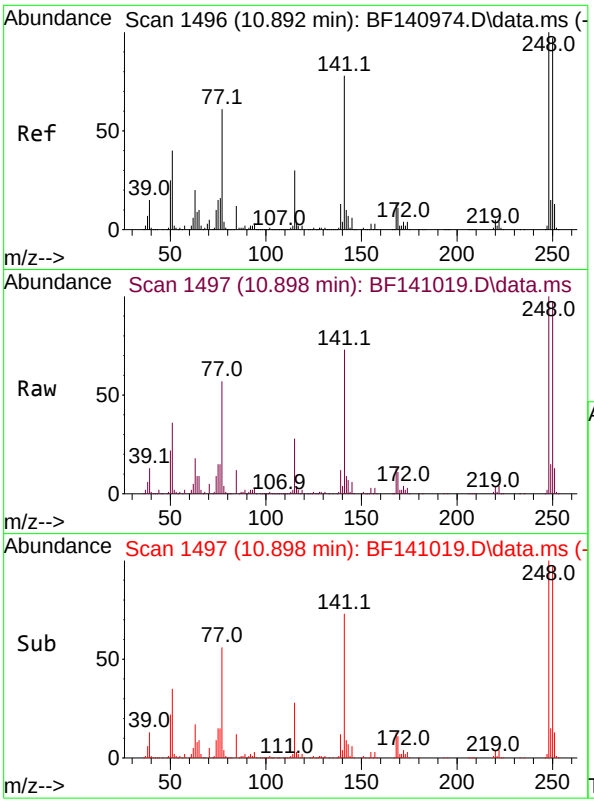


#66
n-Nitrosodiphenylamine
Concen: 39.405 ng
RT: 10.528 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:169 Resp: 1240017

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.6	79.0
167	36.2	29.0	43.4



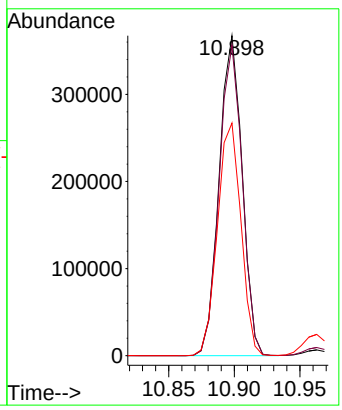


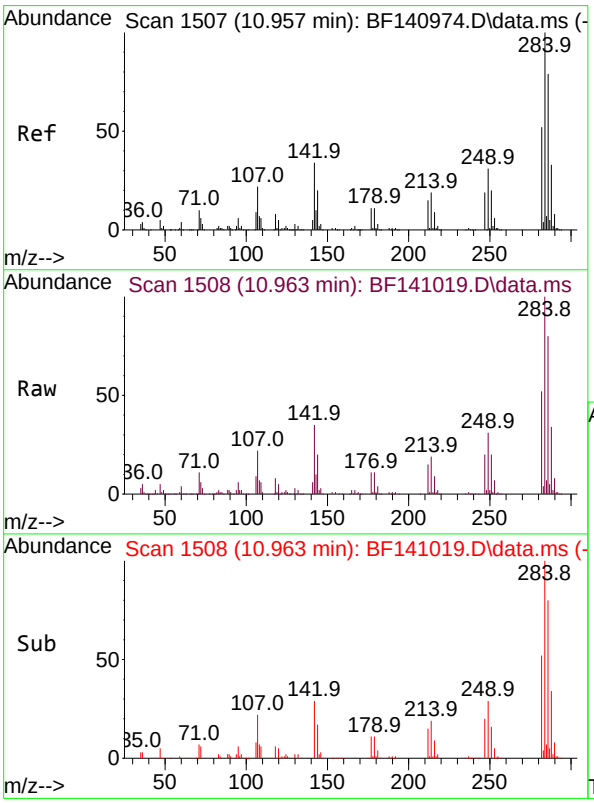
#67
4-Bromophenyl-phenylether
Concen: 41.496 ng
RT: 10.898 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 448280

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.7	116.5
141	72.7	62.1	93.1

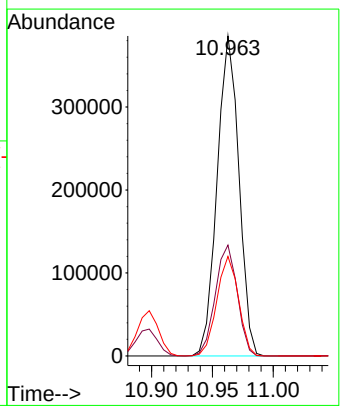


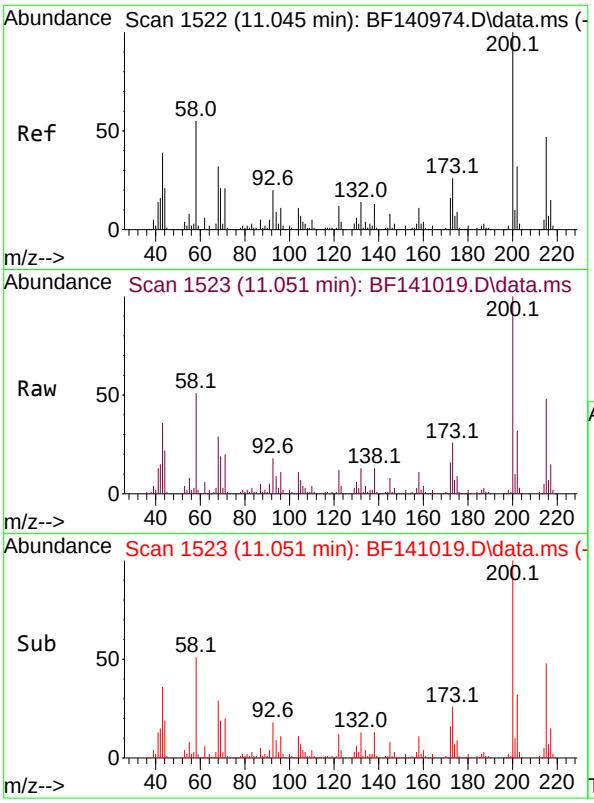


#68
Hexachlorobenzene
Concen: 40.258 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:284 Resp: 479543

Ion	Ratio	Lower	Upper
284	100		
142	34.7	27.1	40.7
249	31.1	25.1	37.7



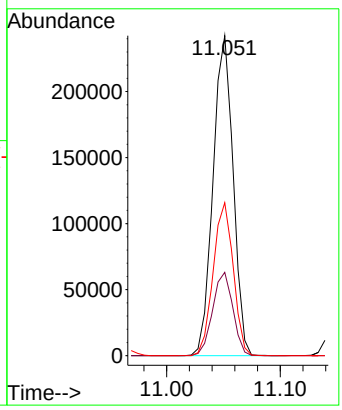


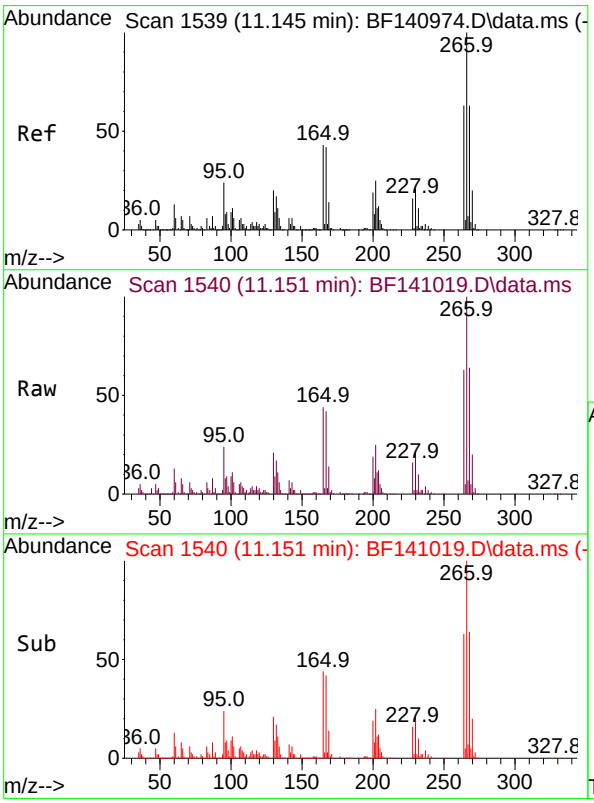
#69
Atrazine
Concen: 33.844 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 297531

Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.4	46.4
215	47.8	27.2	67.2

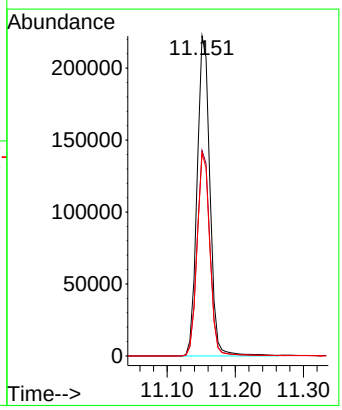


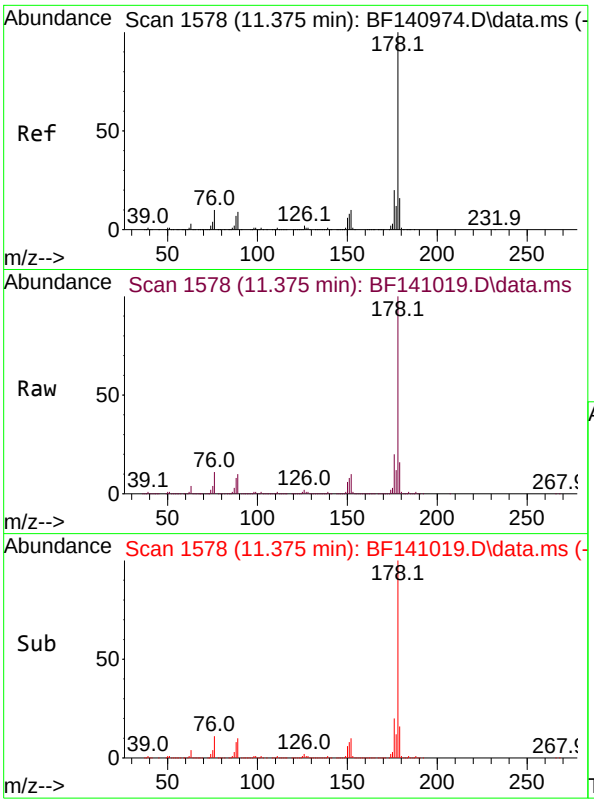


#70
Pentachlorophenol
Concen: 39.182 ng
RT: 11.151 min Scan# 1540
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:266 Resp: 290589

Ion	Ratio	Lower	Upper
266	100		
268	64.2	50.5	75.7
264	63.3	50.2	75.4



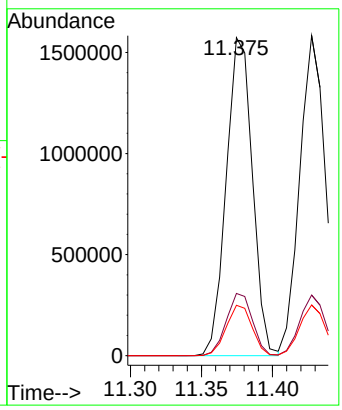


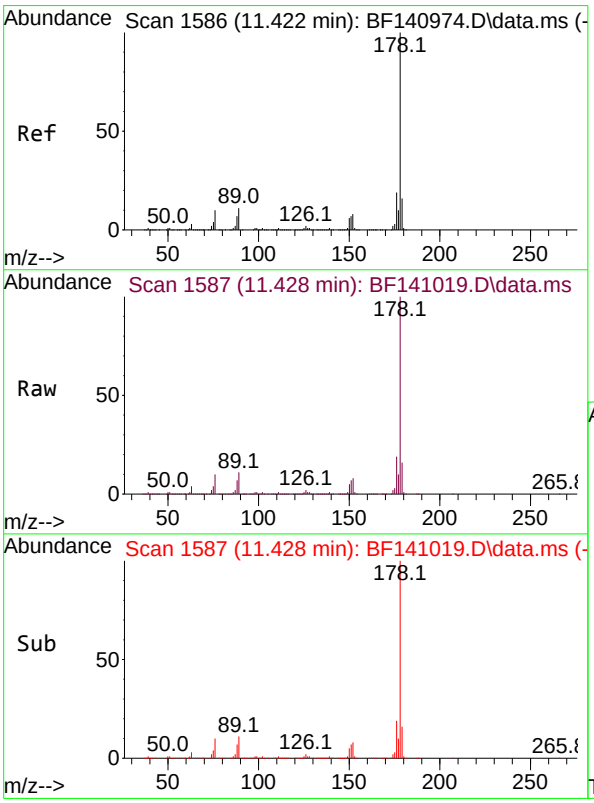
#71
Phenanthrene
Concen: 38.377 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 2018462

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	15.8	12.6	19.0

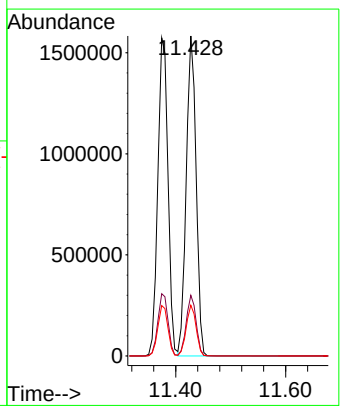


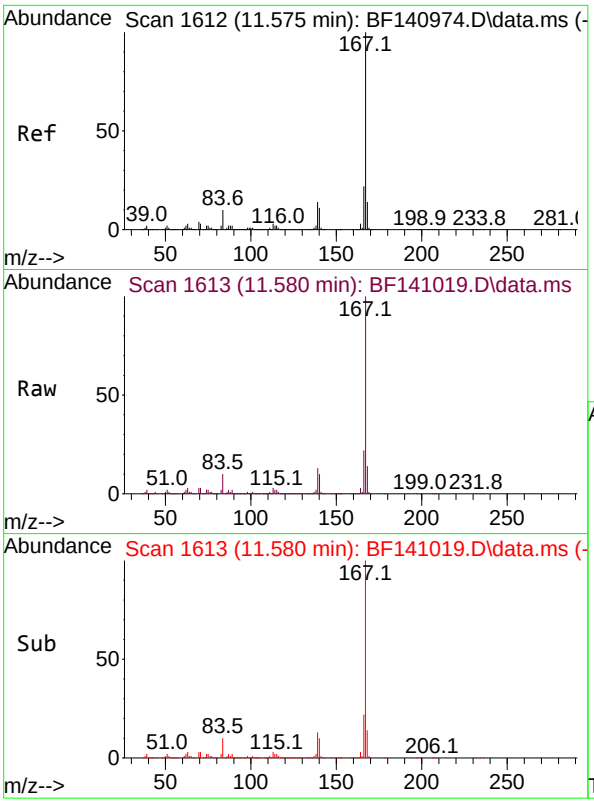


#72
Anthracene
Concen: 38.249 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:178 Resp: 1971230

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.9	12.9	19.3



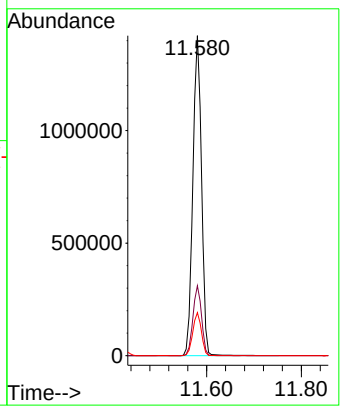


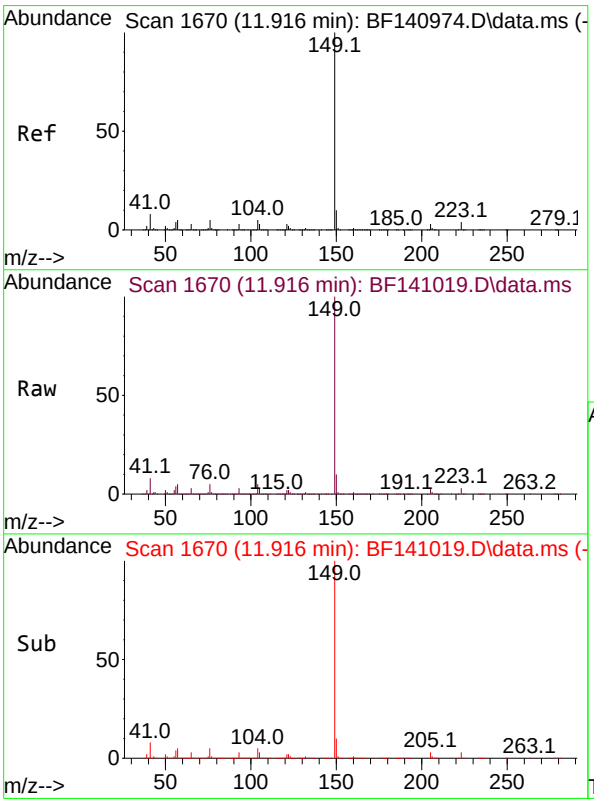
#73
Carbazole
Concen: 36.540 ng
RT: 11.580 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1810329

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.4	11.0	16.4

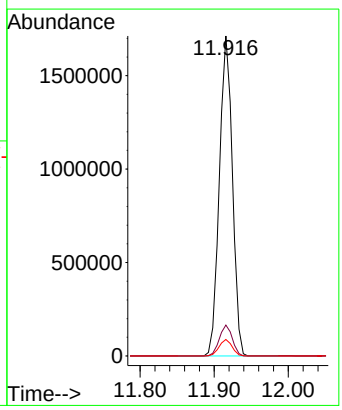


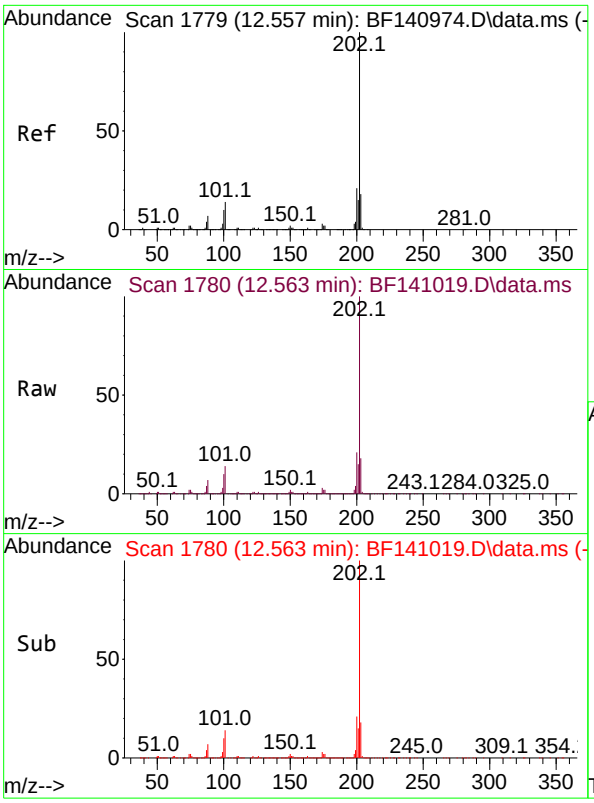


#74
Di-n-butylphthalate
Concen: 37.107 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:149 Resp: 2091018

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.1	4.1	6.1



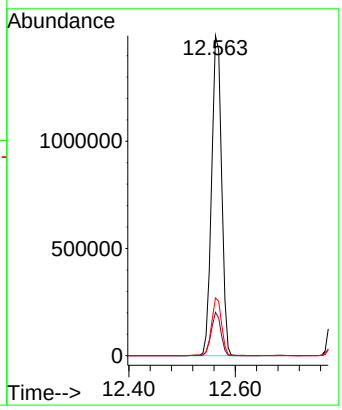


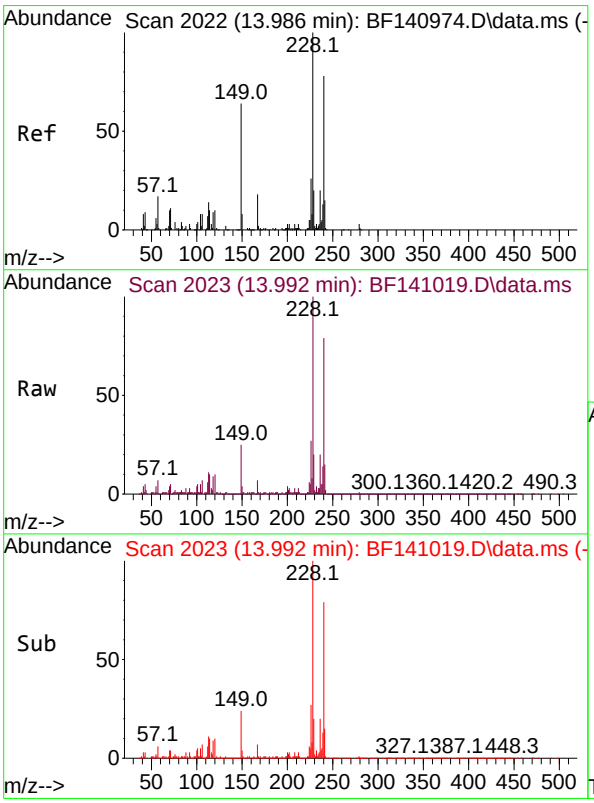
#75
Fluoranthene
Concen: 34.277 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1955256

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	33.7
203	18.0	0.0	38.1

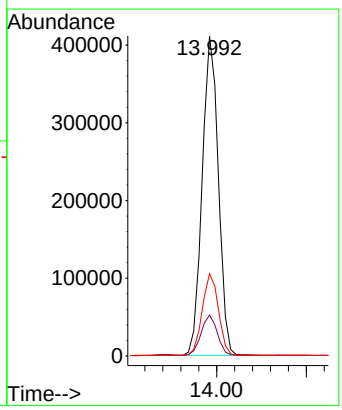


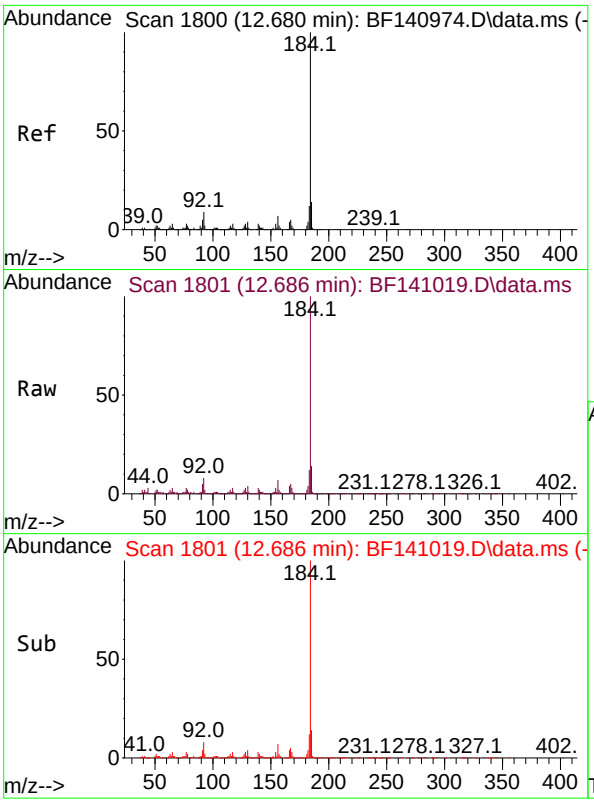


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:240 Resp: 513499

Ion	Ratio	Lower	Upper
240	100		
120	12.8	10.7	16.1
236	25.7	20.6	31.0



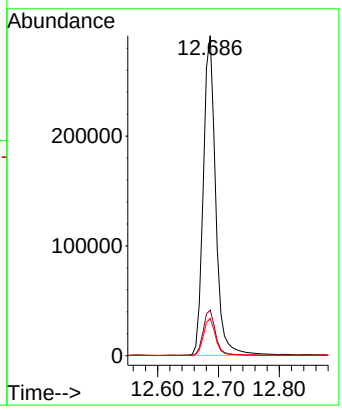


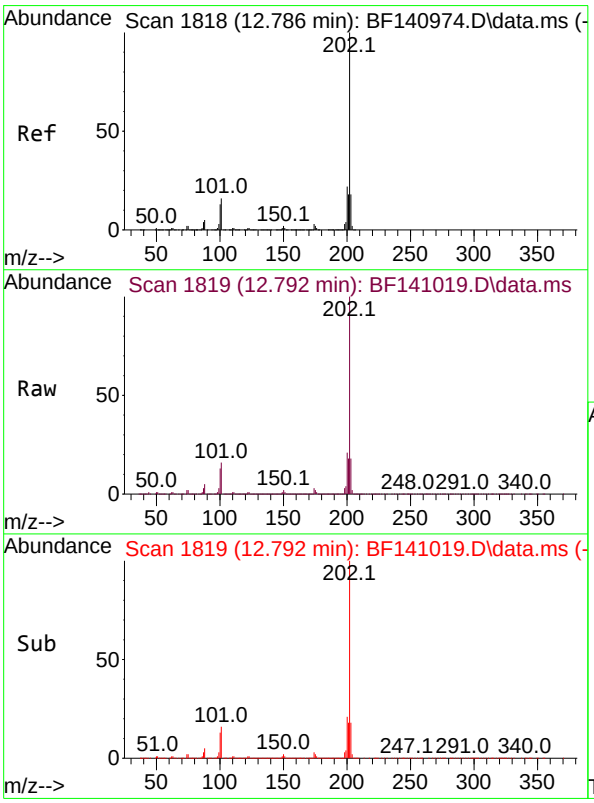
#77
Benzidine
Concen: 37.797 ng
RT: 12.686 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 410188

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.2
183	11.6	9.4	14.0

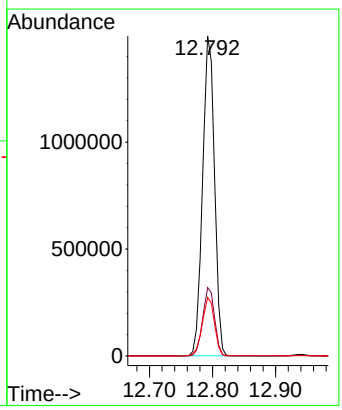


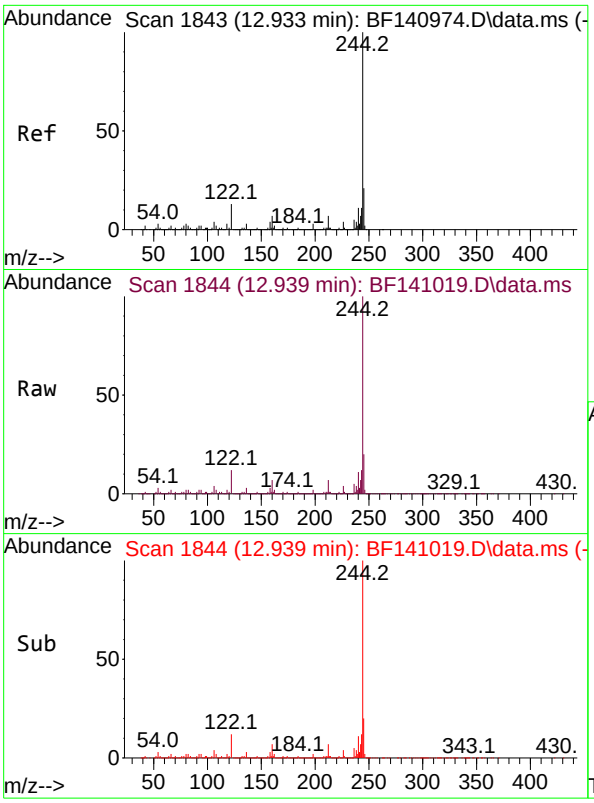


#78
Pyrene
Concen: 43.736 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:202 Resp: 1964156

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9
203	18.3	14.6	21.8



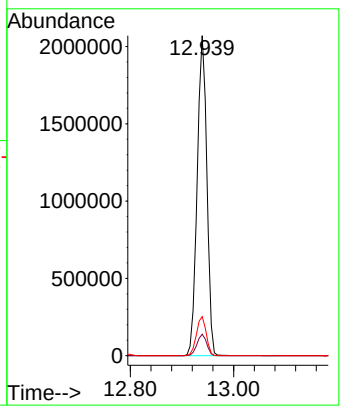


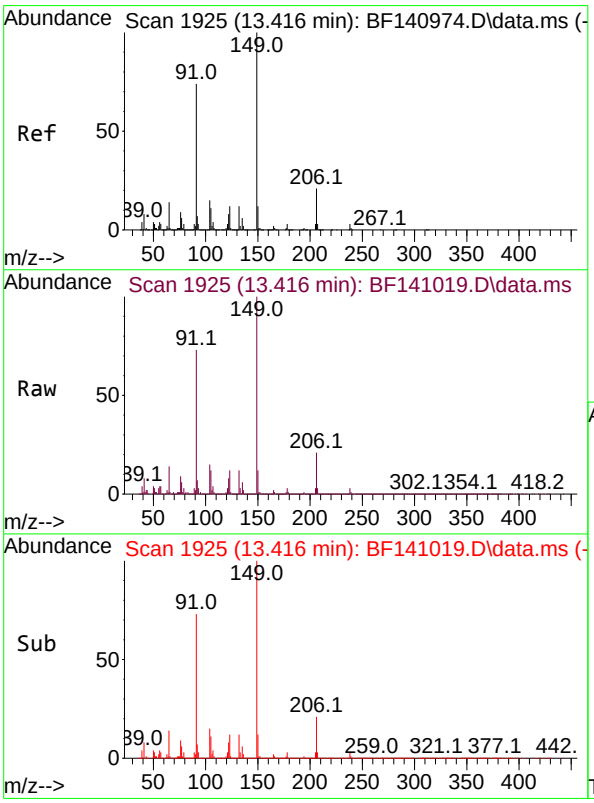
#79
Terphenyl-d14
Concen: 87.100 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 2692720

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	12.2	10.2	15.2

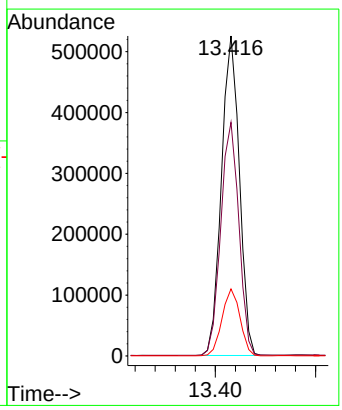


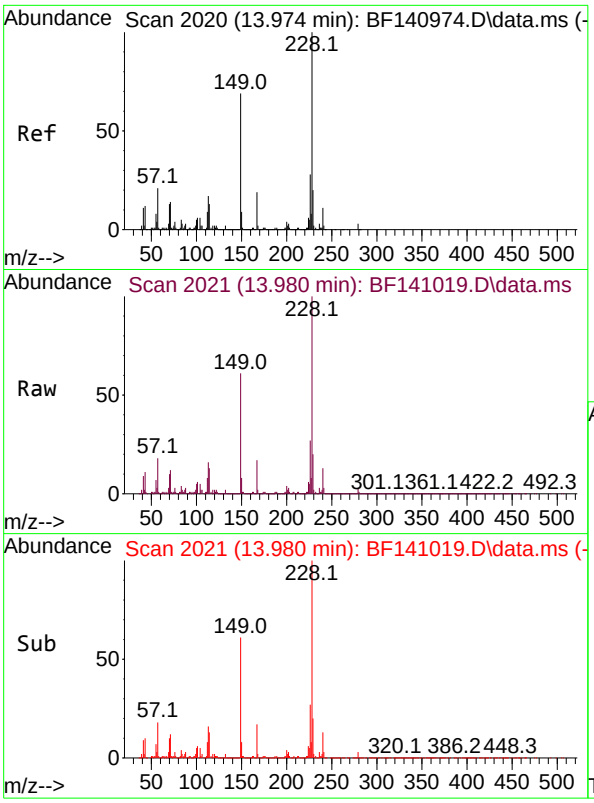


#80
Butylbenzylphthalate
Concen: 39.711 ng
RT: 13.416 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:149 Resp: 651212

Ion	Ratio	Lower	Upper
149	100		
91	73.0	59.5	89.3
206	20.9	17.1	25.7



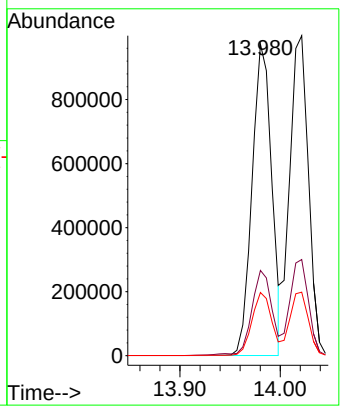


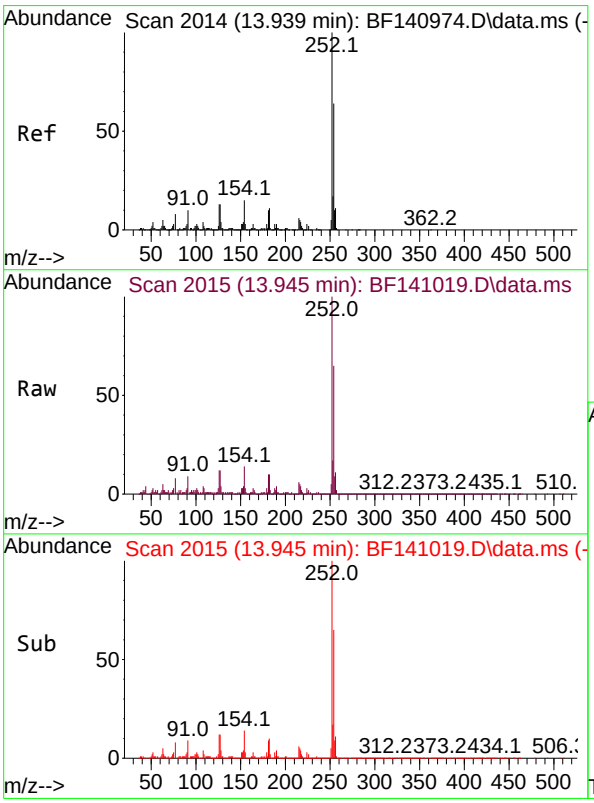
#81
Benzo(a)anthracene
Concen: 36.912 ng
RT: 13.980 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1320984

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	20.3	16.2	24.2

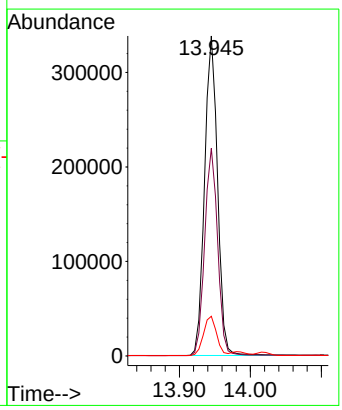


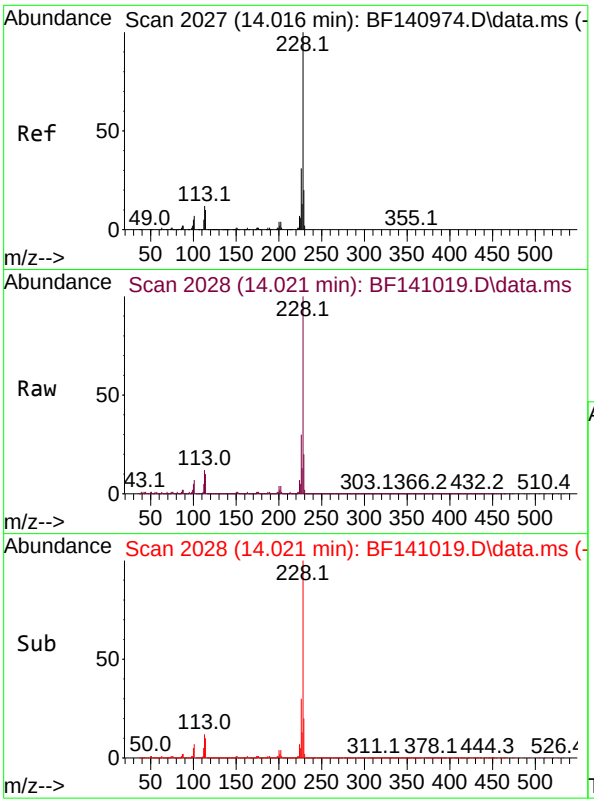


#82
3,3'-Dichlorobenzidine
Concen: 40.013 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:252 Resp: 430238

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.5	77.3
126	12.4	10.3	15.5



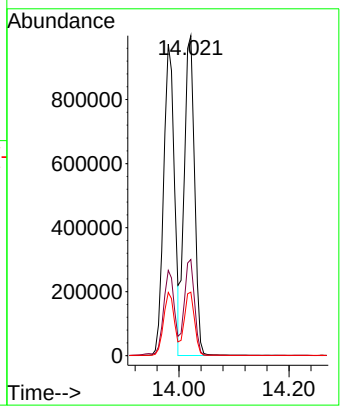


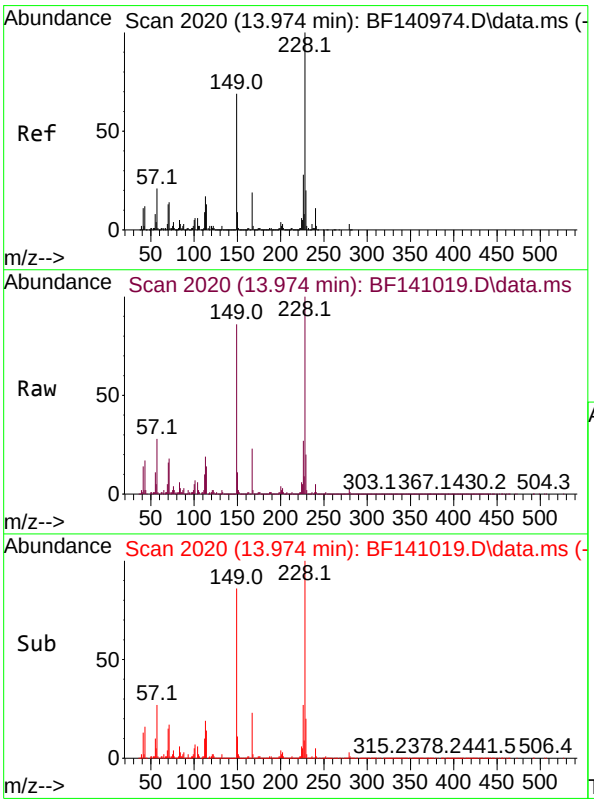
#83
Chrysene
Concen: 40.323 ng
RT: 14.021 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1300887

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.5	36.7
229	19.9	16.2	24.4

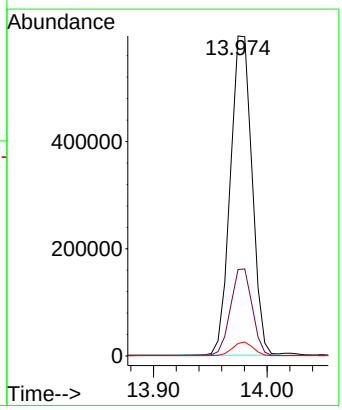


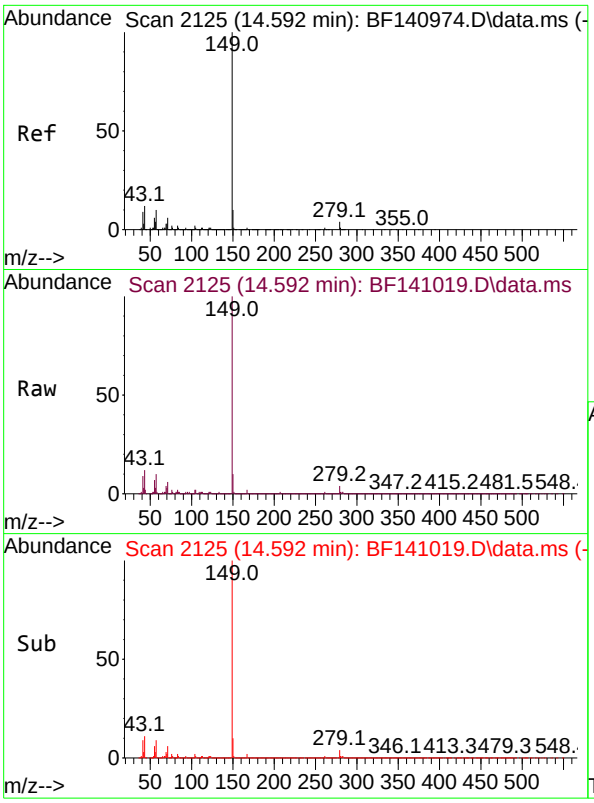


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.166 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:149 Resp: 790574

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.6	32.4
279	3.9	3.2	4.8



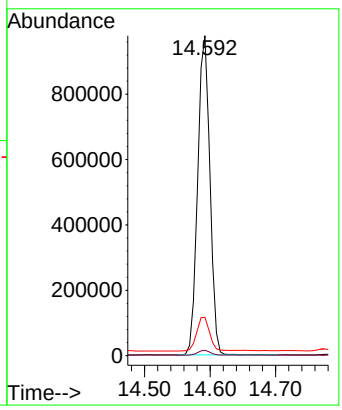


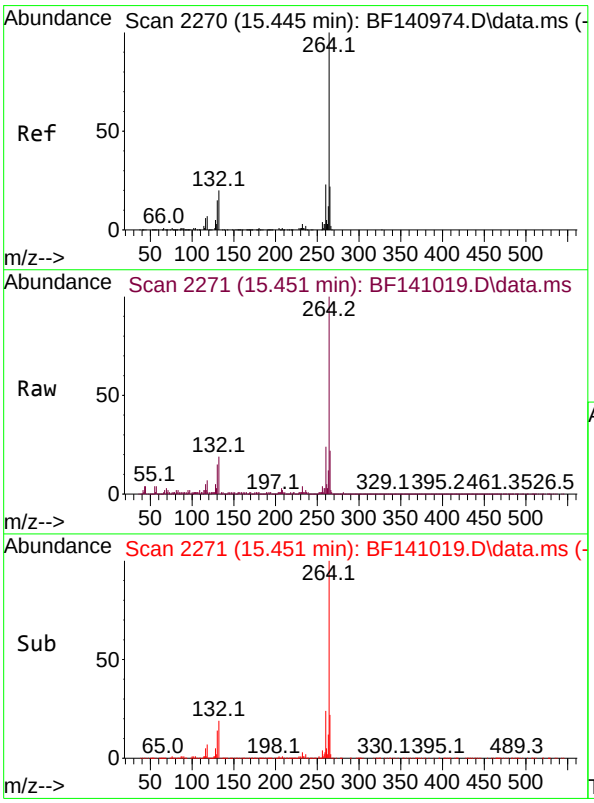
#85
Di-n-octyl phthalate
Concen: 41.238 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 1269609

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.2	9.3	13.9

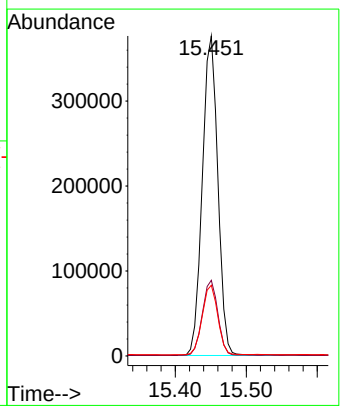


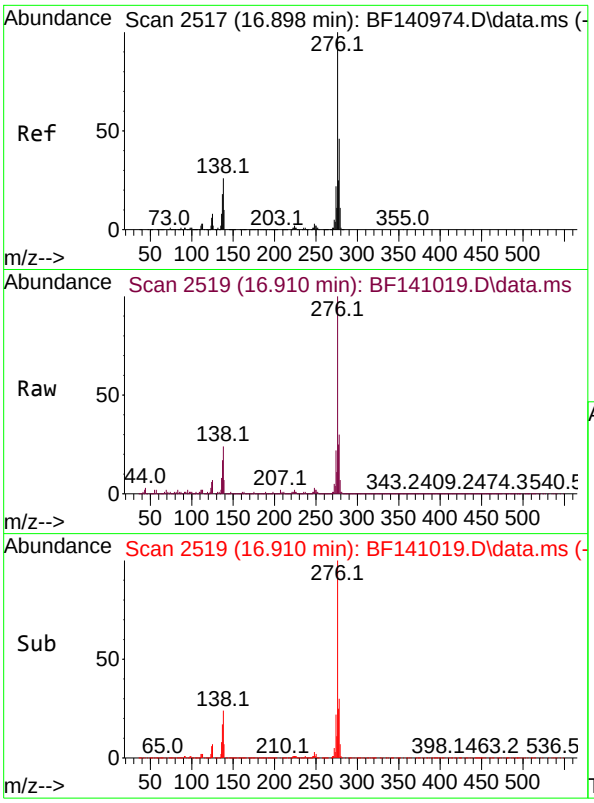


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:264 Resp: 572329

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.1	17.4	26.2



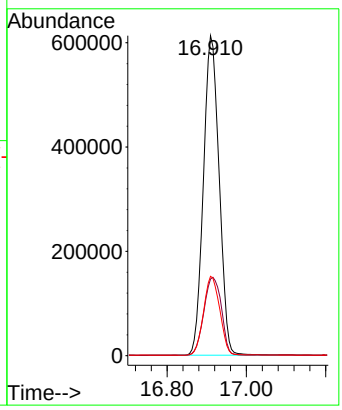


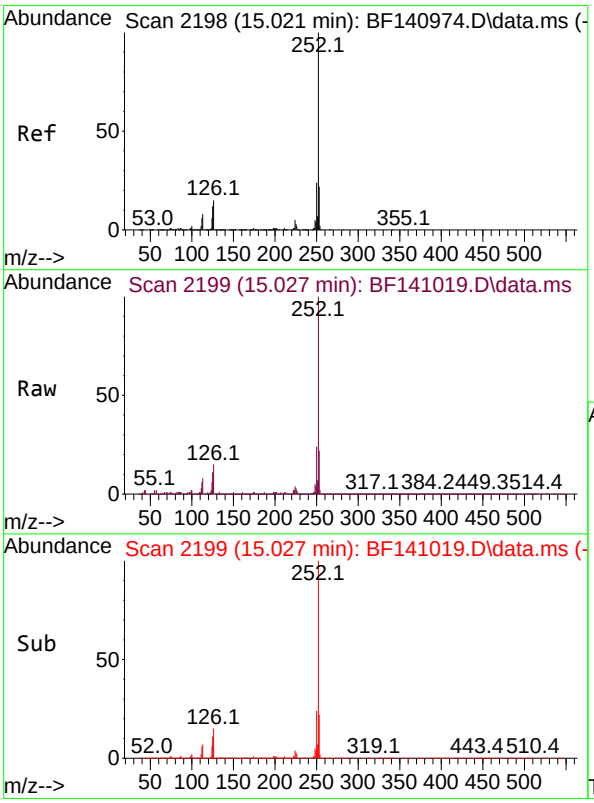
#87
Indeno(1,2,3-cd)pyrene
Concen: 46.806 ng
RT: 16.910 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 1687714

Ion	Ratio	Lower	Upper
276	100		
138	27.1	23.1	34.7
277	25.5	20.4	30.6

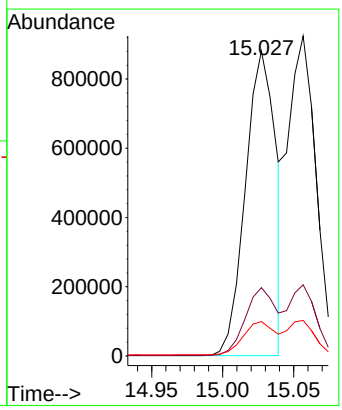


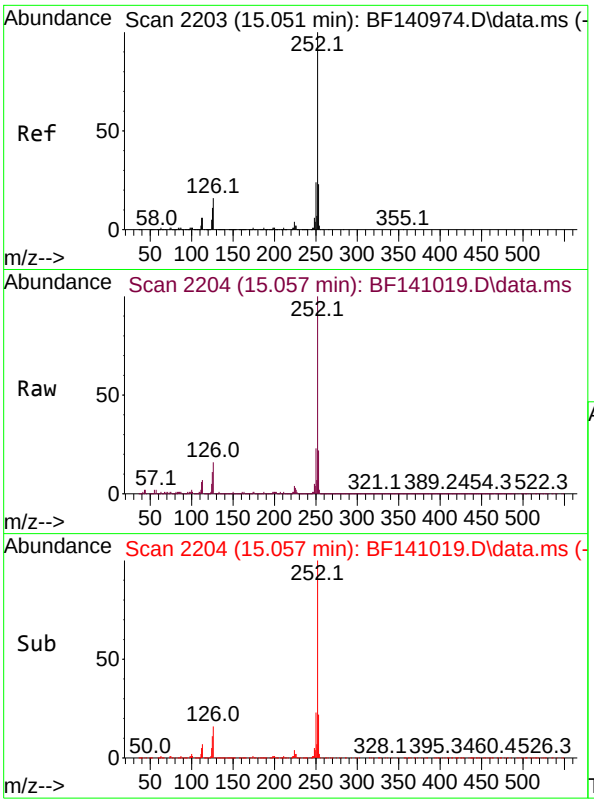


#88
Benzo(b)fluoranthene
Concen: 32.680 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:252 Resp: 1304484

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	11.3	9.3	13.9



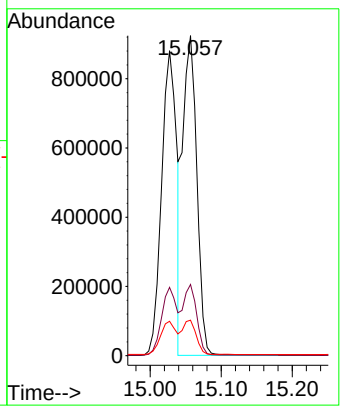


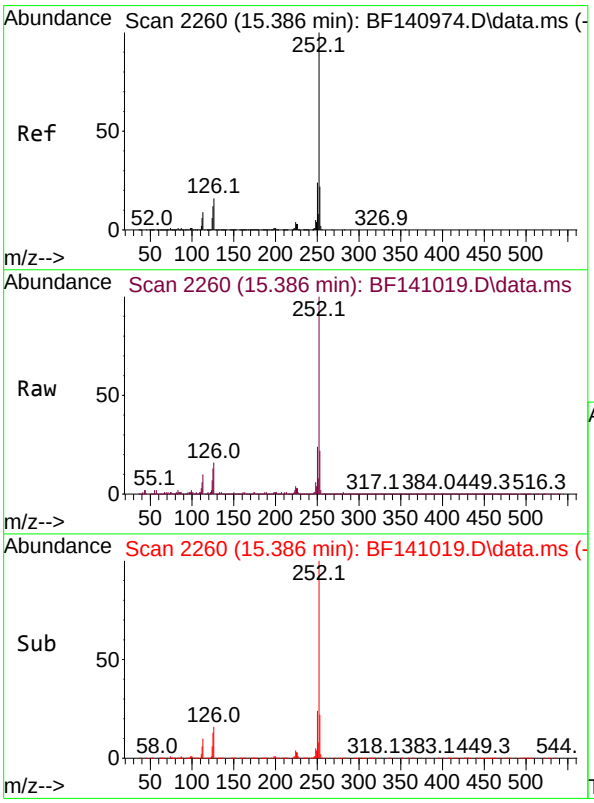
#89
Benzo(k)fluoranthene
Concen: 40.163 ng
RT: 15.057 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 1256515

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	11.1	9.4	14.0

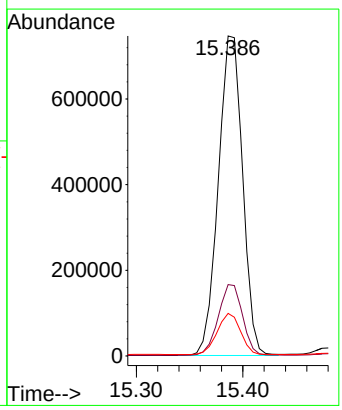


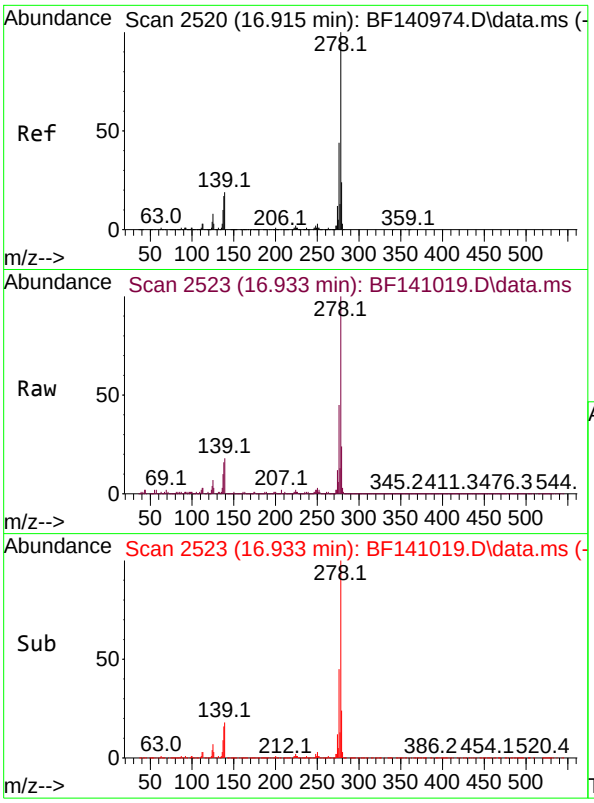


#90
Benzo(a)pyrene
Concen: 38.137 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:252 Resp: 1181585

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	13.3	9.8	14.8



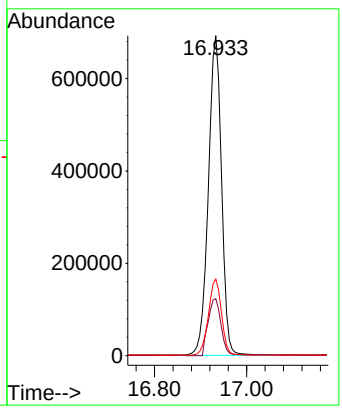


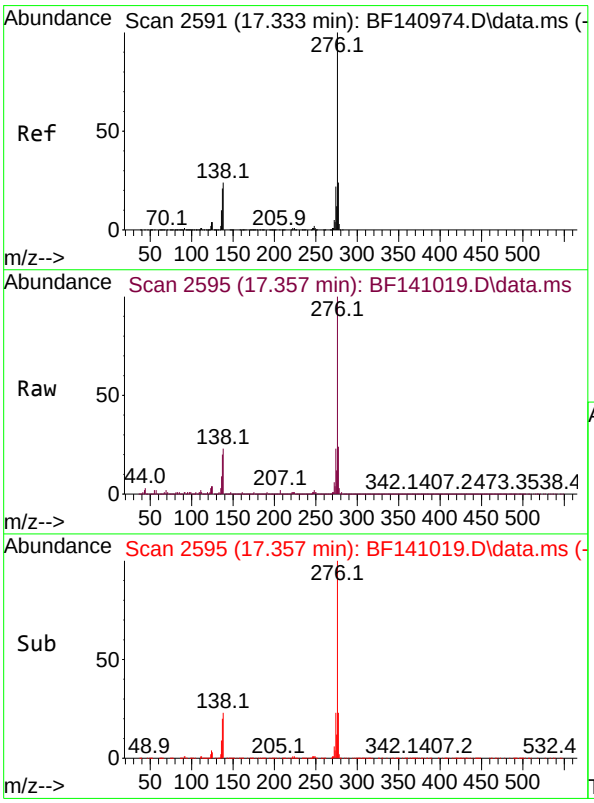
#91
Dibenzo(a,h)anthracene
Concen: 47.261 ng
RT: 16.933 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 1381399

Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.9	22.3
279	24.0	19.0	28.6

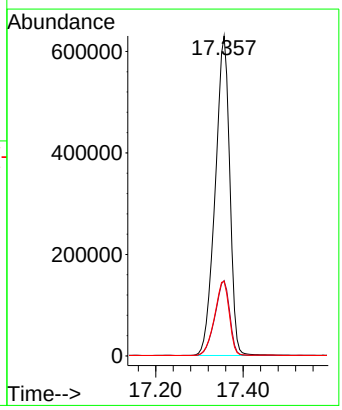




#92
Benzo(g,h,i)perylene
Concen: 47.707 ng
RT: 17.357 min Scan# 2595
Delta R.T. 0.024 min
Lab File: BF141019.D
Acq: 30 Dec 2024 09:24

Tgt Ion:276 Resp: 1446266

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	23.3	19.4	29.2



Sample Results: **BF141019.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141019.D
Acq On : 30 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 30 10:08:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
2		1,4-Dioxane	0.601	0.564	6.2	103	0.00
3		Pyridine	1.468	1.443	1.7	109	0.01
4		n-Nitrosodimethylamine	0.744	0.689	7.4	101	0.01
5	S	2-Fluorophenol	1.327	1.243	6.3	105	0.00
6		Aniline	1.524	1.522	0.1	103	-0.01
7	S	Phenol-d6	1.709	1.608	5.9	105	0.00
8		2-Chlorophenol	1.399	1.335	4.6	105	0.00
9		Benzaldehyde	0.941	0.841	10.6	106	0.00
10	C	Phenol	1.767	1.730	2.1	108	0.00
11		bis(2-Chloroethyl)ether	1.427	1.319	7.6	105	0.00
12		1,3-Dichlorobenzene	1.544	1.509	2.3	108	0.00
13	C	1,4-Dichlorobenzene	1.556	1.506	3.2	108	0.00
14		1,2-Dichlorobenzene	1.451	1.400	3.5	108	0.00
15		Benzyl Alcohol	1.228	1.160	5.5	103	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	2.025	6.2	104	0.00
17		2-Methylphenol	1.162	1.098	5.5	104	0.00
18		Hexachloroethane	0.553	0.532	3.8	106	0.00
19	P	n-Nitroso-di-n-propylamine	1.047	0.966	7.7	104	0.00
20		3+4-Methylphenols	1.471	1.388	5.6	104	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00
22		Acetophenone	0.491	0.460	6.3	105	0.00
23	S	Nitrobenzene-d5	0.313	0.317	-1.3	104	0.00
24		Nitrobenzene	0.349	0.348	0.3	102	0.00
25		Isophorone	0.680	0.648	4.7	106	0.00
26	C	2-Nitrophenol	0.118	0.126	-6.8	106	0.00
27		2,4-Dimethylphenol	0.249	0.233	6.4	103	0.00
28		bis(2-Chloroethoxy)methane	0.431	0.412	4.4	106	0.00
29	C	2,4-Dichlorophenol	0.282	0.276	2.1	106	0.00
30		1,2,4-Trichlorobenzene	0.319	0.315	1.3	108	0.00
31		Naphthalene	1.054	1.011	4.1	106	0.00
32		Benzoic acid	0.178	0.182	-2.2	109	0.01
33		4-Chloroaniline	0.381	0.362	5.0	106	0.00
34	C	Hexachlorobutadiene	0.188	0.187	0.5	110	0.00
35		Caprolactam	0.096	0.089	7.3	101	0.00
36	C	4-Chloro-3-methylphenol	0.313	0.300	4.2	104	0.00
37		2-Methylnaphthalene	0.674	0.646	4.2	108	0.00
38		1-Methylnaphthalene	0.663	0.637	3.9	107	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	0.550	0.554	-0.7	110	0.00
41	P	Hexachlorocyclopentadiene	0.182	0.178	2.2	101	0.00
42	S	2,4,6-Tribromophenol	0.194	0.197	-1.5	106	0.00
43	C	2,4,6-Trichlorophenol	0.366	0.359	1.9	105	0.00
44		2,4,5-Trichlorophenol	0.375	0.385	-2.7	107	0.00
45	S	2-Fluorobiphenyl	1.255	1.202	4.2	109	0.00
46		1,1'-Biphenyl	1.531	1.510	1.4	108	0.00
47		2-Chloronaphthalene	1.188	1.165	1.9	109	0.00

Sample Results: **BF141019.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141019.D
Acq On : 30 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 30 10:08:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.259	0.284	-9.7	105	0.00
49		Acenaphthylene	1.710	1.634	4.4	105	0.00
50		Dimethylphthalate	1.316	1.277	3.0	106	0.00
51		2,6-Dinitrotoluene	0.231	0.248	-7.4	103	0.00
52	C	Acenaphthene	1.156	1.121	3.0	106	0.00
53		3-Nitroaniline	0.255	0.268	-5.1	101	0.00
54	P	2,4-Dinitrophenol	0.075	0.076	-1.3	112	0.01
55		Dibenzofuran	1.624	1.574	3.1	107	0.00
56	P	4-Nitrophenol	0.225	0.207	8.0	96	0.00
57		2,4-Dinitrotoluene	0.273	0.301	-10.3	103	0.00
58		Fluorene	1.260	1.199	4.8	107	0.00
59		2,3,4,6-Tetrachlorophenol	0.310	0.314	-1.3	106	0.00
60		Diethylphthalate	1.299	1.254	3.5	105	0.00
61		4-Chlorophenyl-phenylether	0.606	0.596	1.7	109	0.00
62		4-Nitroaniline	0.255	0.264	-3.5	101	0.00
63		Azobenzene	1.363	1.290	5.4	104	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	0.067	0.069	-3.0	106	0.01
66	c	n-Nitrosodiphenylamine	0.630	0.620	1.6	104	0.00
67		4-Bromophenyl-phenylether	0.216	0.224	-3.7	108	0.00
68		Hexachlorobenzene	0.238	0.240	-0.8	106	0.00
69		Atrazine	0.176	0.149	15.3	97	0.00
70	C	Pentachlorophenol	0.148	0.145	2.0	96	0.00
71		Phenanthrene	1.053	1.010	4.1	102	0.00
72		Anthracene	1.031	0.986	4.4	101	0.00
73		Carbazole	0.992	0.906	8.7	98	0.00
74		Di-n-butylphthalate	1.128	1.046	7.3	98	0.00
75	C	Fluoranthene	1.142	0.978	14.4	91	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	79	0.00
77		Benzidine	0.423	0.399	5.7	76	0.00
78		Pyrene	1.749	1.913	-9.4	89	0.00
79	S	Terphenyl-d14	1.204	1.311	-8.9	90	0.00
80		Butylbenzylphthalate	0.639	0.634	0.8	76	0.00
81		Benzo(a)anthracene	1.394	1.286	7.7	74	0.00
82		3,3'-Dichlorobenzidine	0.419	0.419	0.0	82	0.00
83		Chrysene	1.257	1.267	-0.8	83	0.00
84		Bis(2-ethylhexyl)phthalate	0.828	0.770	7.0	74	0.00
85	c	Di-n-octyl phthalate	1.199	1.236	-3.1	81	0.00
86	I	Perylene-d12	1.000	1.000	0.0	108	0.00
87		Indeno(1,2,3-cd)pyrene	1.260	1.474	-17.0	121	0.01
88		Benzo(b)fluoranthene	1.395	1.140	18.3	87	0.00
89		Benzo(k)fluoranthene	1.093	1.098	-0.5	111	0.00
90	C	Benzo(a)pyrene	1.083	1.032	4.7	104	0.00
91		Dibenzo(a,h)anthracene	1.021	1.207	-18.2	121	0.02
92		Benzo(g,h,i)perylene	1.059	1.263	-19.3	121	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141019.D
Acq On : 30 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 30 10:08:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF141019.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141019.D
Acq On : 30 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 30 10:08:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	109	0.00
2		1,4-Dioxane	40.000	37.582	6.0	103	0.00
3		Pyridine	40.000	39.312	1.7	109	0.01
4		n-Nitrosodimethylamine	40.000	37.039	7.4	101	0.01
5	S	2-Fluorophenol	80.000	74.944	6.3	105	0.00
6		Aniline	40.000	39.939	0.2	103	-0.01
7	S	Phenol-d6	80.000	75.252	5.9	105	0.00
8		2-Chlorophenol	40.000	38.169	4.6	105	0.00
9		Benzaldehyde	40.000	40.312	-0.8	106	0.00
10	C	Phenol	40.000	39.151	2.1	108	0.00
11		bis(2-Chloroethyl)ether	40.000	36.977	7.6	105	0.00
12		1,3-Dichlorobenzene	40.000	39.095	2.3	108	0.00
13	C	1,4-Dichlorobenzene	40.000	38.710	3.2	108	0.00
14		1,2-Dichlorobenzene	40.000	38.601	3.5	108	0.00
15		Benzyl Alcohol	40.000	37.779	5.6	103	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.528	6.2	104	0.00
17		2-Methylphenol	40.000	37.776	5.6	104	0.00
18		Hexachloroethane	40.000	38.457	3.9	106	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.891	7.8	104	0.00
20		3+4-Methylphenols	40.000	37.751	5.6	104	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	107	0.00
22		Acetophenone	40.000	37.489	6.3	105	0.00
23	S	Nitrobenzene-d5	80.000	81.066	-1.3	104	0.00
24		Nitrobenzene	40.000	39.818	0.5	102	0.00
25		Isophorone	40.000	38.118	4.7	106	0.00
26	C	2-Nitrophenol	40.000	36.712	8.2	106	0.00
27		2,4-Dimethylphenol	40.000	37.492	6.3	103	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.280	4.3	106	0.00
29	C	2,4-Dichlorophenol	40.000	39.219	2.0	106	0.00
30		1,2,4-Trichlorobenzene	40.000	39.454	1.4	108	0.00
31		Naphthalene	40.000	38.378	4.1	106	0.00
32		Benzoic acid	40.000	37.509	6.2	109	0.01
33		4-Chloroaniline	40.000	37.974	5.1	106	0.00
34	C	Hexachlorobutadiene	40.000	39.695	0.8	110	0.00
35		Caprolactam	40.000	37.147	7.1	101	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.337	4.2	104	0.00
37		2-Methylnaphthalene	40.000	38.350	4.1	108	0.00
38		1-Methylnaphthalene	40.000	38.433	3.9	107	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.264	-0.7	110	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.997	2.5	101	0.00
42	S	2,4,6-Tribromophenol	80.000	80.910	-1.1	106	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.216	2.0	105	0.00
44		2,4,5-Trichlorophenol	40.000	41.049	-2.6	107	0.00
45	S	2-Fluorobiphenyl	80.000	76.589	4.3	109	0.00
46		1,1'-Biphenyl	40.000	39.429	1.4	108	0.00
47		2-Chloronaphthalene	40.000	39.221	1.9	109	0.00

Sample Results: **BF141019.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141019.D
Acq On : 30 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 30 10:08:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	37.660	5.9	105	0.00
49		Acenaphthylene	40.000	38.219	4.5	105	0.00
50		Dimethylphthalate	40.000	38.828	2.9	106	0.00
51		2,6-Dinitrotoluene	40.000	37.873	5.3	103	0.00
52	C	Acenaphthene	40.000	38.800	3.0	106	0.00
53		3-Nitroaniline	40.000	37.526	6.2	101	0.00
54	P	2,4-Dinitrophenol	40.000	39.273	1.8	112	0.01
55		Dibenzofuran	40.000	38.768	3.1	107	0.00
56	P	4-Nitrophenol	40.000	36.820	7.9	96	0.00
57		2,4-Dinitrotoluene	40.000	37.740	5.6	103	0.00
58		Fluorene	40.000	38.077	4.8	107	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.416	-1.0	106	0.00
60		Diethylphthalate	40.000	38.618	3.5	105	0.00
61		4-Chlorophenyl-phenylether	40.000	39.313	1.7	109	0.00
62		4-Nitroaniline	40.000	37.095	7.3	101	0.00
63		Azobenzene	40.000	37.847	5.4	104	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	40.000	37.186	7.0	106	0.01
66	c	n-Nitrosodiphenylamine	40.000	39.405	1.5	104	0.00
67		4-Bromophenyl-phenylether	40.000	41.496	-3.7	108	0.00
68		Hexachlorobenzene	40.000	40.258	-0.6	106	0.00
69		Atrazine	40.000	33.844	15.4	97	0.00
70	C	Pentachlorophenol	40.000	39.182	2.0	96	0.00
71		Phenanthrene	40.000	38.377	4.1	102	0.00
72		Anthracene	40.000	38.249	4.4	101	0.00
73		Carbazole	40.000	36.540	8.7	98	0.00
74		Di-n-butylphthalate	40.000	37.107	7.2	98	0.00
75	C	Fluoranthene	40.000	34.277	14.3	91	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	79	0.00
77		Benzidine	40.000	37.797	5.5	76	0.00
78		Pyrene	40.000	43.736	-9.3	89	0.00
79	S	Terphenyl-d14	80.000	87.100	-8.9	90	0.00
80		Butylbenzylphthalate	40.000	39.711	0.7	76	0.00
81		Benzo(a)anthracene	40.000	36.912	7.7	74	0.00
82		3,3'-Dichlorobenzidine	40.000	40.013	-0.0	82	0.00
83		Chrysene	40.000	40.323	-0.8	83	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.166	7.1	74	0.00
85	c	Di-n-octyl phthalate	40.000	41.238	-3.1	81	0.00
86	I	Perylene-d12	20.000	20.000	0.0	108	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	46.806	-17.0	121	0.01
88		Benzo(b)fluoranthene	40.000	32.680	18.3	87	0.00
89		Benzo(k)fluoranthene	40.000	40.163	-0.4	111	0.00
90	C	Benzo(a)pyrene	40.000	38.137	4.7	104	0.00
91		Dibenzo(a,h)anthracene	40.000	47.261	-18.2	121	0.02
92		Benzo(g,h,i)perylene	40.000	47.707	-19.3	121	0.02

Sample Results: **BF141019.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141019.D
Acq On : 30 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 30 10:08:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG No.: P5380

Instrument ID: BNA_F Calibration Date/Time: 12/30/2024 14:01

Lab File ID: BF141029.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 16:23 19:25

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.468	1.491		1.6	50.0
2-Fluorophenol	1.327	1.280		-3.5	50.0
Phenol-d6	1.709	1.635		-4.3	50.0
1,4-Dichlorobenzene	1.556	1.516		-2.6	50.0
2-Methylphenol	1.162	1.125		-3.2	50.0
3+4-Methylphenols	1.471	1.421		-3.4	50.0
Nitrobenzene-d5	0.313	0.362		15.7	50.0
Hexachloroethane	0.553	0.558		0.9	50.0
Nitrobenzene	0.349	0.382		9.5	50.0
Hexachlorobutadiene	0.188	0.187		-0.5	50.0
2,4,6-Trichlorophenol	0.366	0.376		2.7	50.0
2-Fluorobiphenyl	1.255	1.177		-6.2	50.0
2,4,5-Trichlorophenol	0.375	0.407		8.5	50.0
2,4-Dinitrotoluene	0.273	0.401		46.9	50.0
2,4,6-Tribromophenol	0.194	0.217		11.9	50.0
Hexachlorobenzene	0.238	0.243		2.1	50.0
Pentachlorophenol	0.148	0.167		12.8	50.0
Terphenyl-d14	1.204	1.250		3.8	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141029.D
Acq On : 30 Dec 2024 14:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Dec 30 14:24:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	291933	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1150406	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	609271	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	1065590	20.000	ng	0.00
76) Chrysene-d12	13.986	240	623198	20.000	ng	0.00
86) Perylene-d12	15.445	264	605504	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1494679	77.177	ng	0.00
7) Phenol-d6	6.451	99	1909797	76.549	ng	0.00
23) Nitrobenzene-d5	7.393	82	1667358	92.727	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	529009	89.355	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	2869562	75.039	ng	0.00
79) Terphenyl-d14	12.933	244	3115001	83.023	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.558	88	340104	38.789	ng	99
3) Pyridine	3.305	79	870587	40.629	ng	99
4) n-Nitrosodimethylamine	3.252	42	413087	38.048	ng	99
6) Aniline	6.493	93	907371	40.779	ng	100
8) 2-Chlorophenol	6.610	128	807097	39.527	ng	100
9) Benzaldehyde	6.375	77	560385	47.497	ng	100
10) Phenol	6.463	94	1042974	40.429	ng	98
11) bis(2-Chloroethyl)ether	6.563	93	789005	37.878	ng	99
12) 1,3-Dichlorobenzene	6.769	146	886228	39.328	ng	99
13) 1,4-Dichlorobenzene	6.846	146	885007	38.959	ng	100
14) 1,2-Dichlorobenzene	6.998	146	824932	38.948	ng	99
15) Benzyl Alcohol	6.969	79	691789	38.586	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1177212	37.370	ng	100
17) 2-Methylphenol	7.075	107	656740	38.715	ng	100
18) Hexachloroethane	7.340	117	325581	40.346	ng	97
19) n-Nitroso-di-n-propyla...	7.245	70	572732	37.472	ng	98
20) 3+4-Methylphenols	7.228	107	829467	38.640	ng	98
22) Acetophenone	7.240	105	1045552	37.049	ng	99
24) Nitrobenzene	7.410	77	879472	43.772	ng	97
25) Isophorone	7.651	82	1492983	38.156	ng	100
26) 2-Nitrophenol	7.728	139	401277	48.653	ng	98
27) 2,4-Dimethylphenol	7.757	122	558437	39.051	ng	100
28) bis(2-Chloroethoxy)met...	7.857	93	947028	38.200	ng	100
29) 2,4-Dichlorophenol	7.963	162	650416	40.103	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	717162	39.068	ng	100
31) Naphthalene	8.134	128	2302667	37.986	ng	100
32) Benzoic acid	7.863	122	566304	48.102	ng	97
33) 4-Chloroaniline	8.181	127	838977	38.257	ng	99
34) Hexachlorobutadiene	8.251	225	430077	39.741	ng	99
35) Caprolactam	8.545	113	220292	39.954	ng	99
36) 4-Chloro-3-methylphenol	8.651	107	701991	38.974	ng	98
37) 2-Methylnaphthalene	8.822	142	1477806	38.107	ng	100
38) 1-Methylnaphthalene	8.922	142	1455603	38.192	ng	99
40) 1,2,4,5-Tetrachloroben...	8.987	216	667556	39.826	ng	99
41) Hexachlorocyclopentadiene	8.975	237	243078	43.761	ng	99
43) 2,4,6-Trichlorophenol	9.092	196	458401	41.091	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141029.D
Acq On : 30 Dec 2024 14:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Dec 30 14:24:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

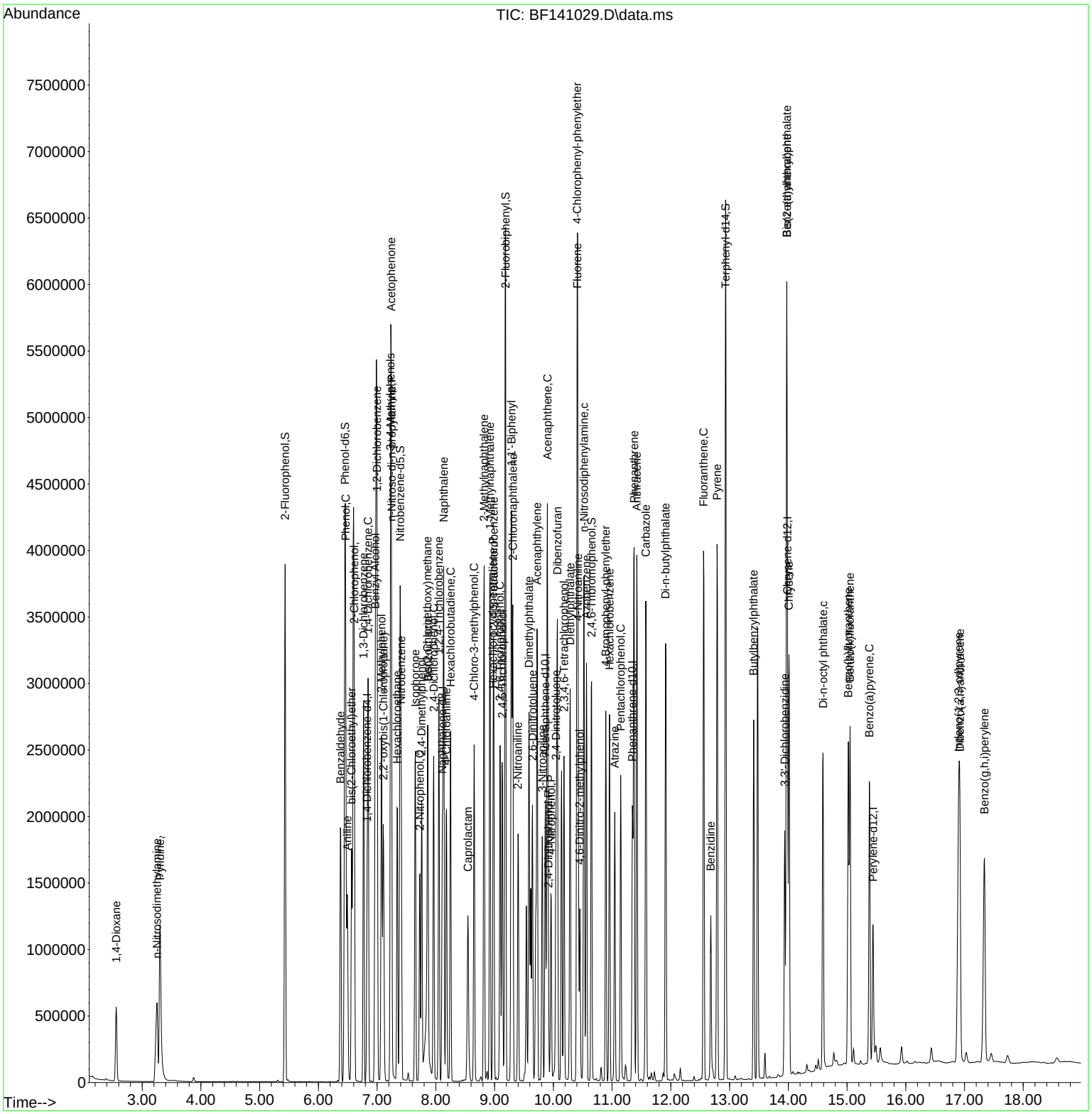
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	495948	43.449	ng		99
46) 1,1'-Biphenyl	9.287	154	1806178	38.716	ng		100
47) 2-Chloronaphthalene	9.310	162	1418166	39.196	ng		99
48) 2-Nitroaniline	9.398	65	435282	46.182	ng		96
49) Acenaphthylene	9.722	152	2033494	39.042	ng		100
50) Dimethylphthalate	9.587	163	1585974	39.574	ng		100
51) 2,6-Dinitrotoluene	9.645	165	375191	46.066	ng		95
52) Acenaphthene	9.898	154	1400565	39.775	ng		99
53) 3-Nitroaniline	9.810	138	394902	44.673	ng	#	93
54) 2,4-Dinitrophenol	9.916	184	159279	57.337	ng	#	1
55) Dibenzofuran	10.069	168	1932653	39.055	ng		99
56) 4-Nitrophenol	9.963	139	325587	47.494	ng		93
57) 2,4-Dinitrotoluene	10.045	165	489214	48.830	ng		95
58) Fluorene	10.410	166	1470217	38.314	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.181	232	406313	42.980	ng		99
60) Diethylphthalate	10.286	149	1564645	39.547	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	730936	39.586	ng		97
62) 4-Nitroaniline	10.422	138	396442	44.881	ng		93
63) Azobenzene	10.563	77	1587426	38.226	ng		99
65) 4,6-Dinitro-2-methylph...	10.451	198	236268	54.129	ng		96
66) n-Nitrosodiphenylamine	10.522	169	1325092	39.490	ng		100
67) 4-Bromophenyl-phenylether	10.892	248	478012	41.497	ng		98
68) Hexachlorobenzene	10.957	284	516930	40.698	ng		100
69) Atrazine	11.045	200	330562	35.263	ng		100
70) Pentachlorophenol	11.145	266	356661	45.100	ng		100
71) Phenanthrene	11.375	178	2181435	38.897	ng		100
72) Anthracene	11.422	178	2125135	38.671	ng		100
73) Carbazole	11.575	167	2003354	37.922	ng		100
74) Di-n-butylphthalate	11.910	149	2338693	38.922	ng		100
75) Fluoranthene	12.557	202	2257351	37.112	ng		100
77) Benzidine	12.680	184	663851	50.404	ng		99
78) Pyrene	12.786	202	2290800	42.030	ng		100
80) Butylbenzylphthalate	13.410	149	845578	42.487	ng		100
81) Benzo(a)anthracene	13.974	228	1623099	37.370	ng		99
82) 3,3'-Dichlorobenzidine	13.939	252	547949	41.990	ng		100
83) Chrysene	14.010	228	1558001	39.792	ng		99
84) Bis(2-ethylhexyl)phtha...	13.974	149	1017994	39.433	ng		99
85) Di-n-octyl phthalate	14.592	149	1567883	41.962	ng		98
87) Indeno(1,2,3-cd)pyrene	16.898	276	1690798	44.322	ng		98
88) Benzo(b)fluoranthene	15.021	252	1427375	33.800	ng		100
89) Benzo(k)fluoranthene	15.051	252	1174887	35.497	ng		99
90) Benzo(a)pyrene	15.380	252	1257324	38.359	ng		99
91) Dibenzo(a,h)anthracene	16.921	278	1370047	44.305	ng		99
92) Benzo(g,h,i)perylene	17.339	276	1420650	44.294	ng		99

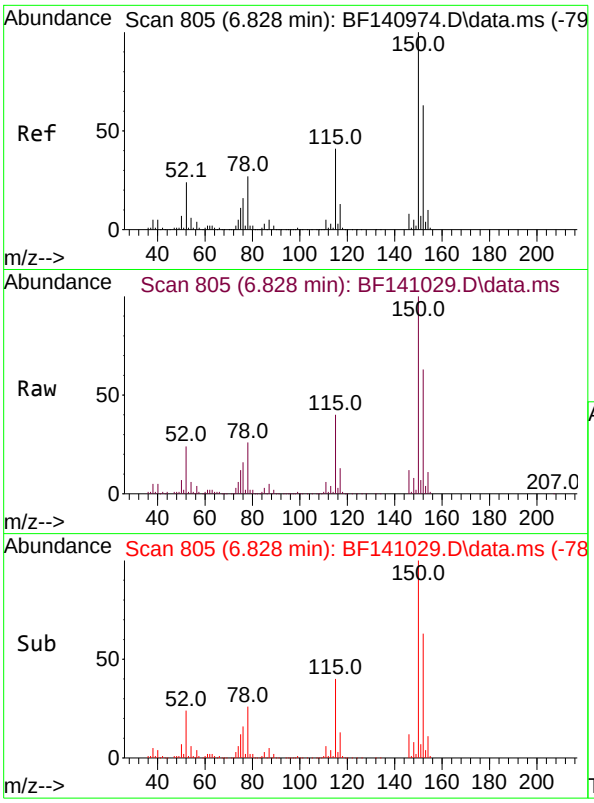
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141029.D
Acq On : 30 Dec 2024 14:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Dec 30 14:24:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



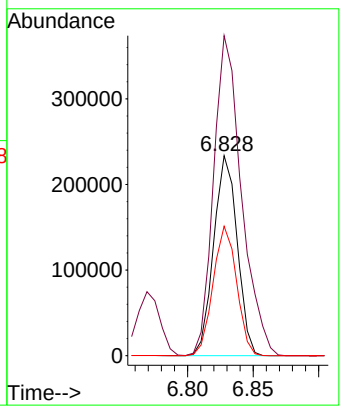


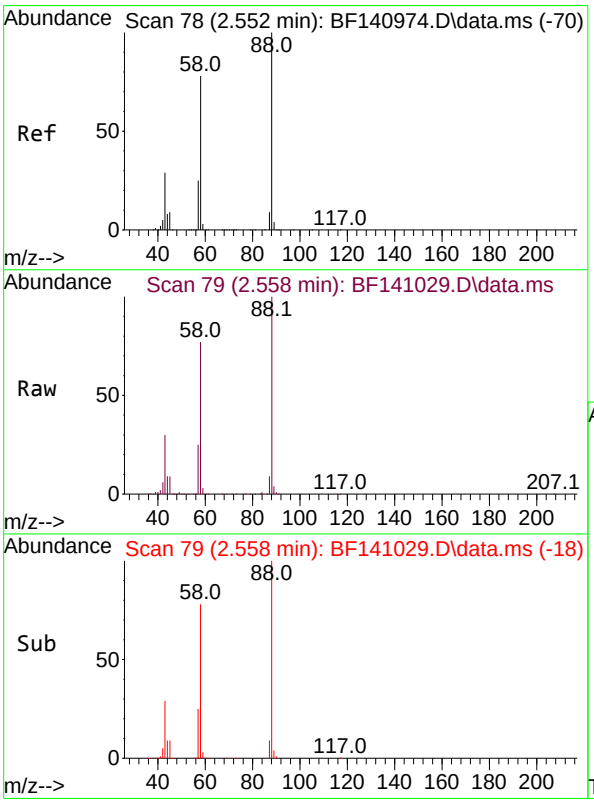
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 291933

Ion	Ratio	Lower	Upper
152	100		
150	159.9	127.0	190.6
115	64.7	51.7	77.5

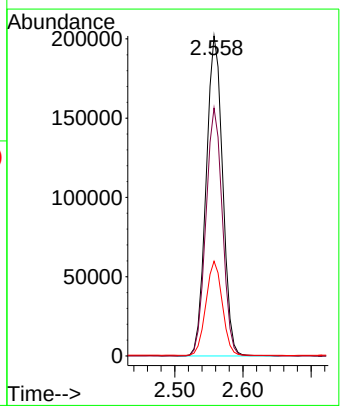


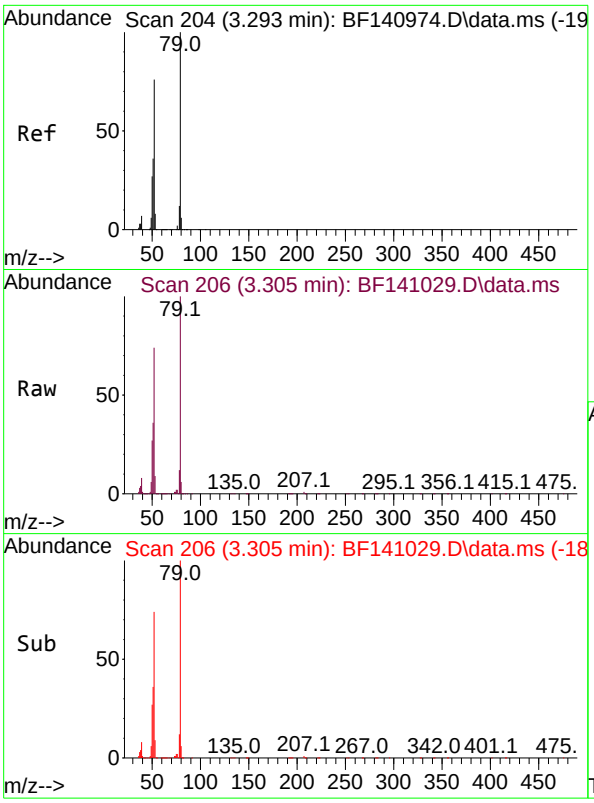


#2
1,4-Dioxane
Concen: 38.789 ng
RT: 2.558 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion: 88 Resp: 340104

Ion	Ratio	Lower	Upper
88	100		
58	77.4	63.0	94.4
43	29.0	23.4	35.2



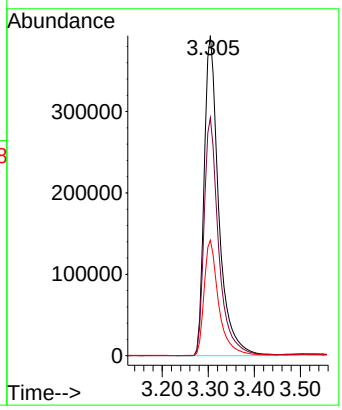


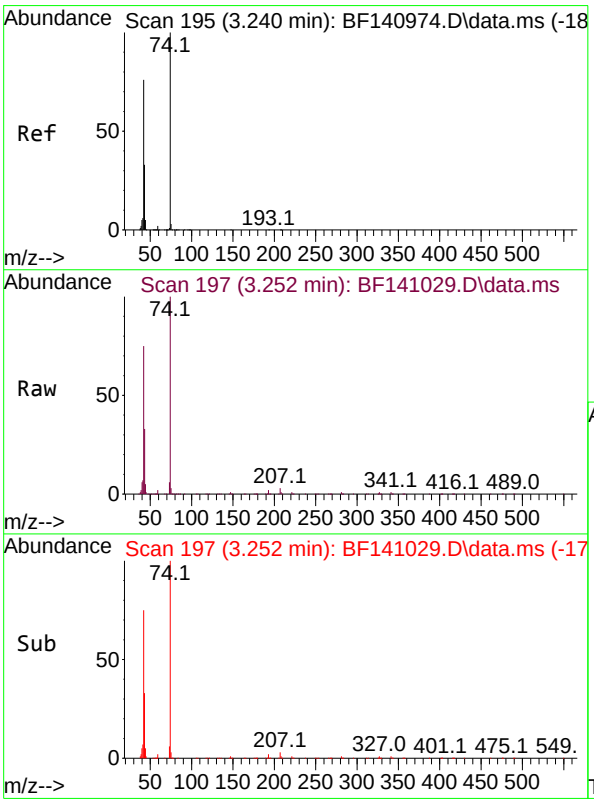
#3
Pyridine
Concen: 40.629 ng
RT: 3.305 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 870587

Ion	Ratio	Lower	Upper
79	100		
52	74.4	60.4	90.6
51	36.1	28.8	43.2

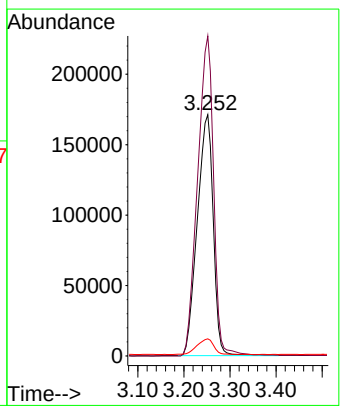


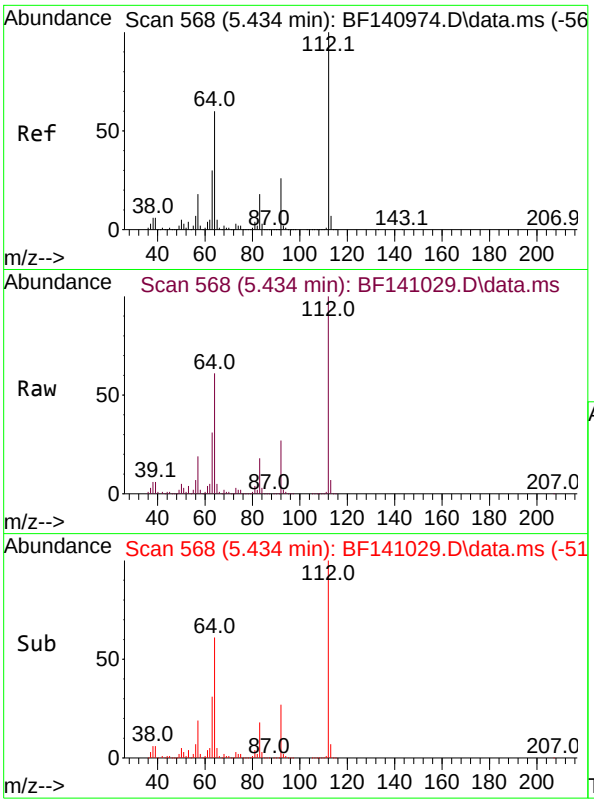


#4
n-Nitrosodimethylamine
Concen: 38.048 ng
RT: 3.252 min Scan# 197
Delta R.T. 0.012 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion: 42 Resp: 413087

Ion	Ratio	Lower	Upper
42	100		
74	132.7	105.8	158.6
44	7.1	6.6	10.0



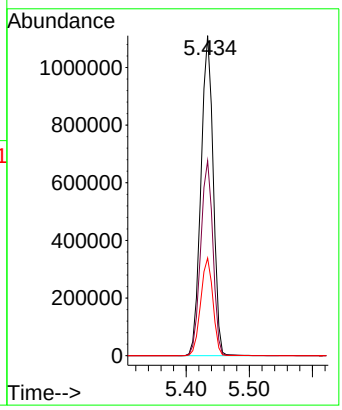


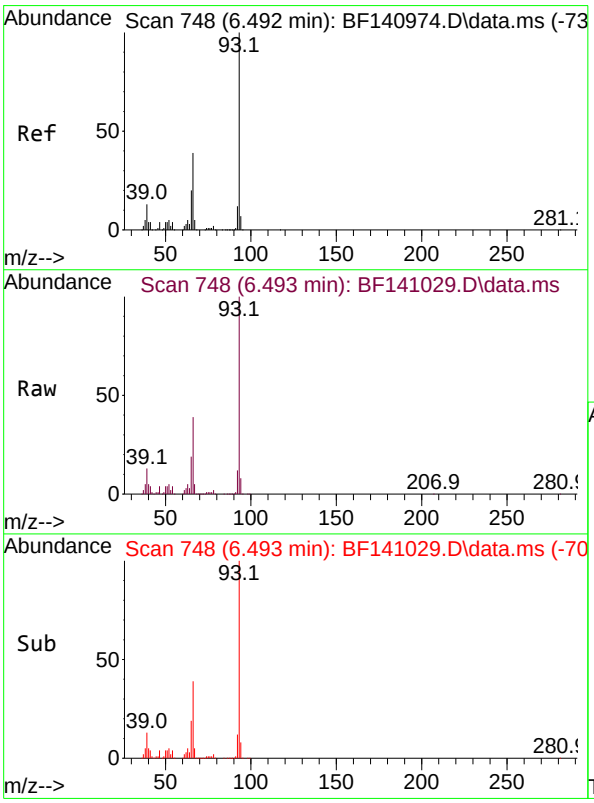
#5
2-Fluorophenol
Concen: 77.177 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 1494679

Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.7	71.5
63	30.5	24.2	36.2

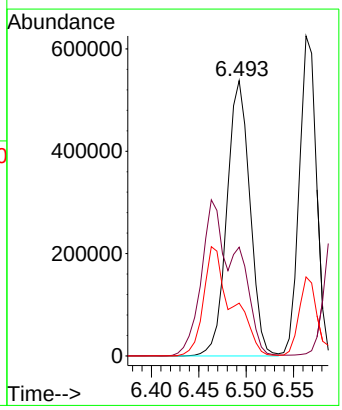


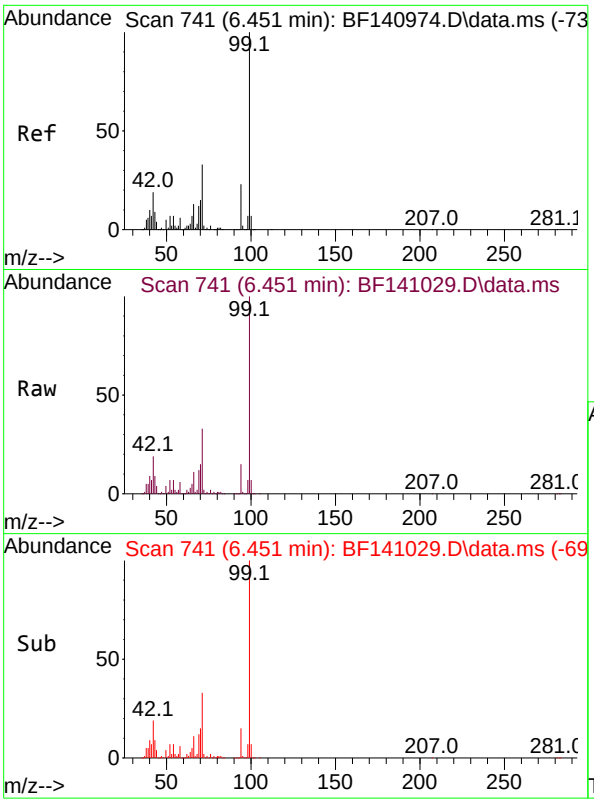


#6
Aniline
Concen: 40.779 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion: 93 Resp: 907371

Ion	Ratio	Lower	Upper
93	100		
66	39.5	31.8	47.8
65	19.2	15.4	23.0



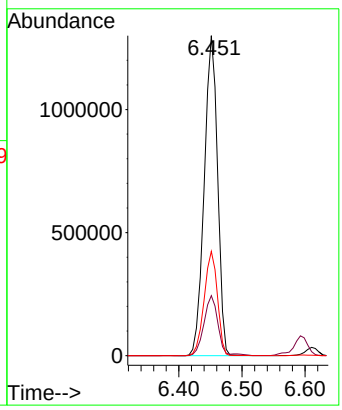


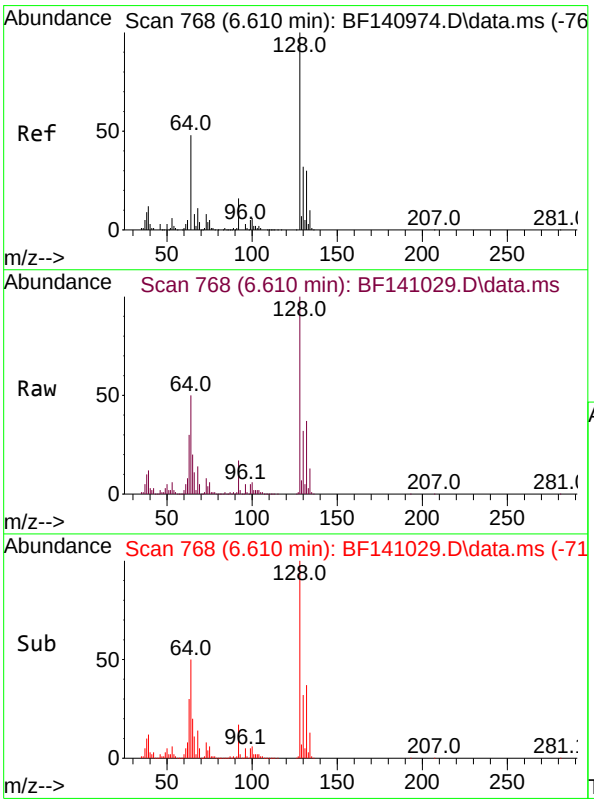
#7
Phenol-d6
Concen: 76.549 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 1909797

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.4
71	32.6	26.2	39.2

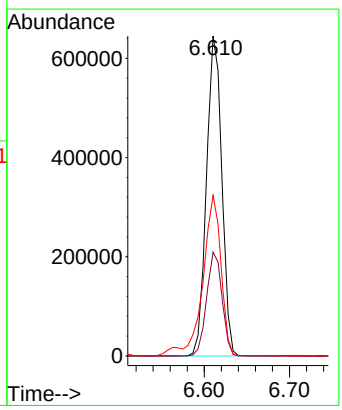


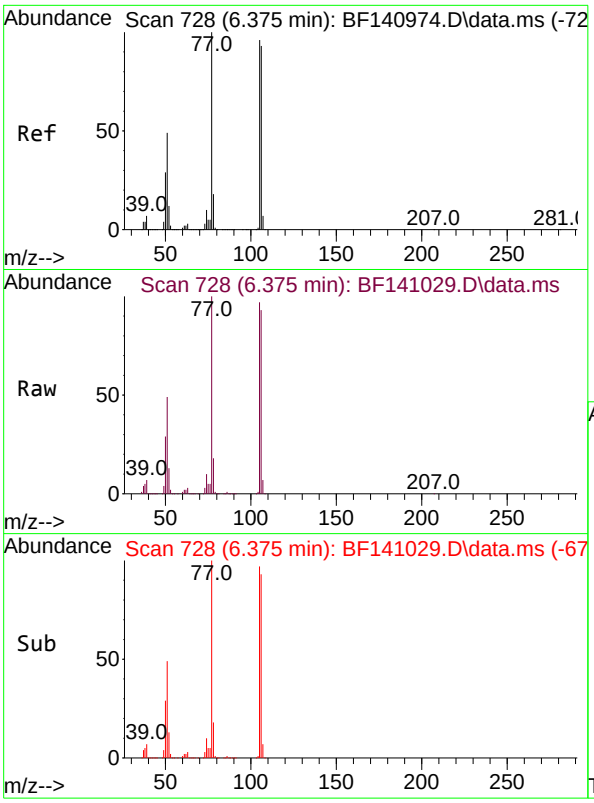


#8
2-Chlorophenol
Concen: 39.527 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:128 Resp: 807097

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.2	52.2
64	50.1	30.3	70.3



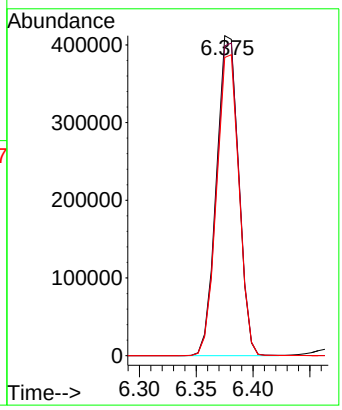


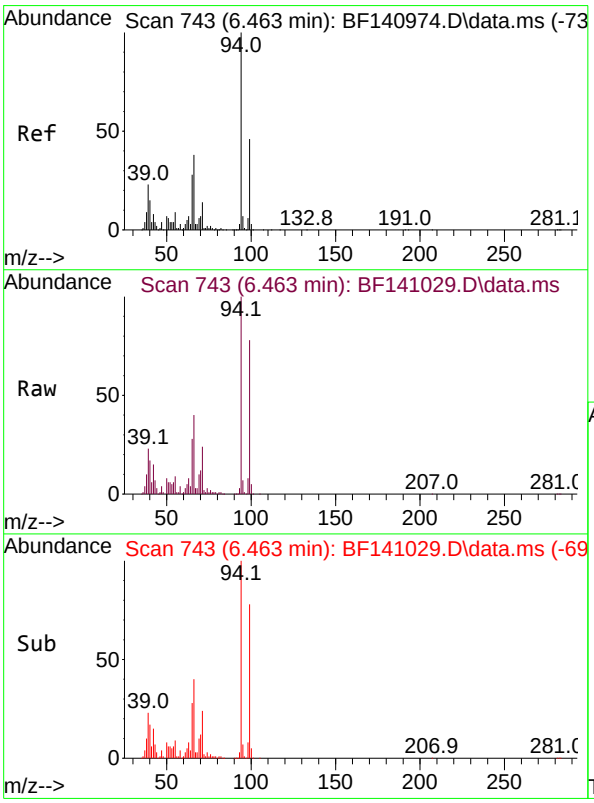
#9
Benzaldehyde
Concen: 47.497 ng
RT: 6.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 560385

Ion	Ratio	Lower	Upper
77	100		
105	96.8	76.2	116.2
106	93.2	73.4	113.4

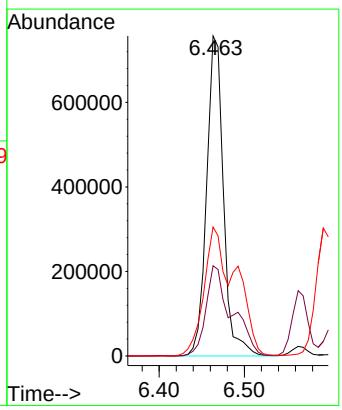


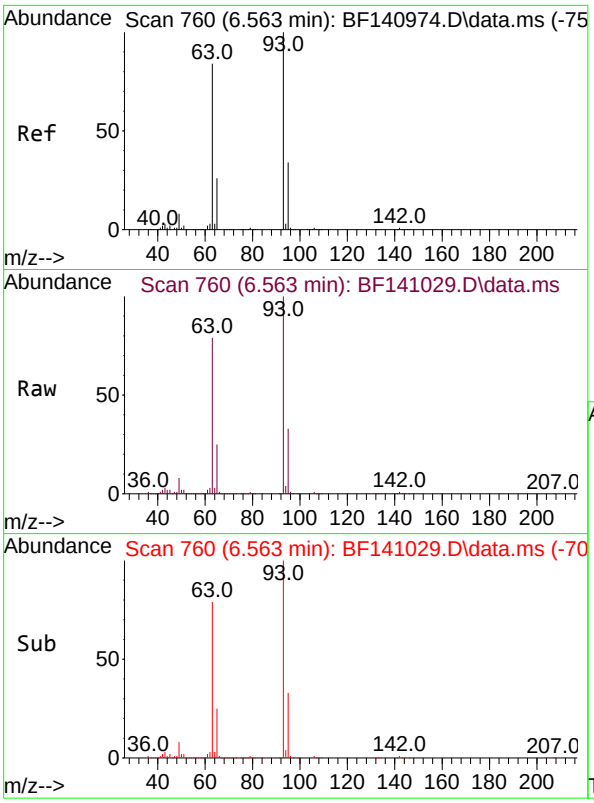


#10
Phenol
Concen: 40.429 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion: 94 Resp: 1042974

Ion	Ratio	Lower	Upper
94	100		
65	28.2	8.1	48.1
66	40.3	18.7	58.7



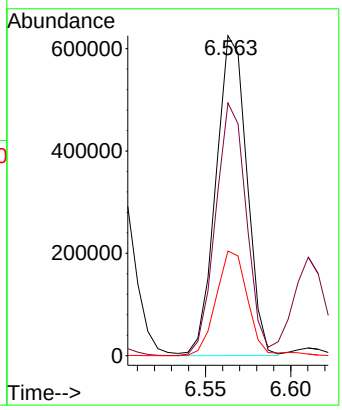


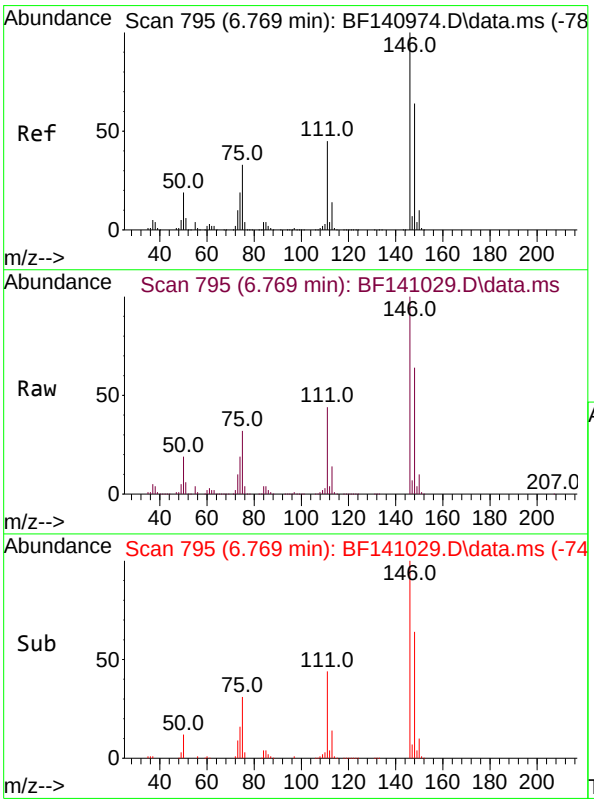
#11
bis(2-Chloroethyl)ether
Concen: 37.878 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 789005

Ion	Ratio	Lower	Upper
93	100		
63	79.0	60.3	100.3
95	32.7	12.2	52.2

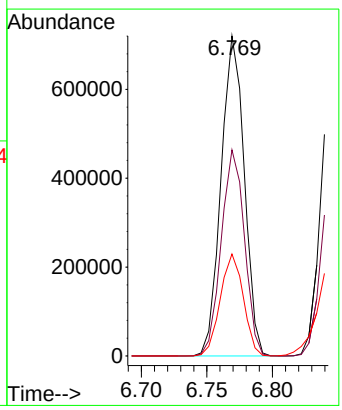


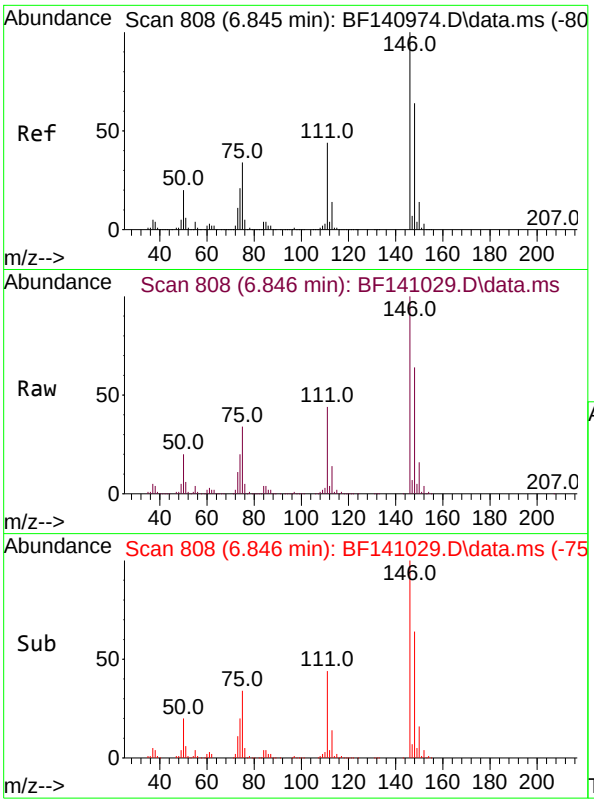


#12
1,3-Dichlorobenzene
Concen: 39.328 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:146 Resp: 886228

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
75	31.8	26.1	39.1



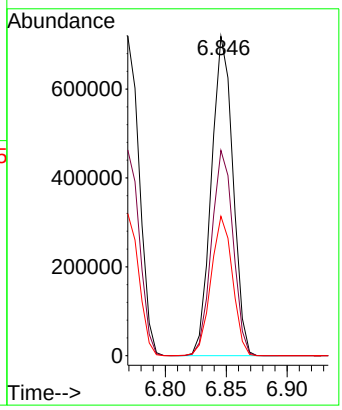


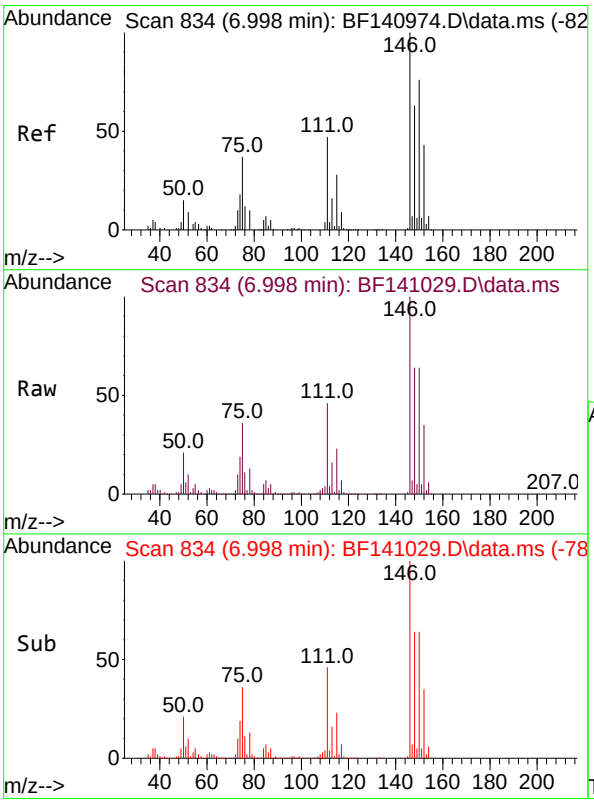
#13
1,4-Dichlorobenzene
Concen: 38.959 ng
RT: 6.846 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 885007

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.3	76.9
111	43.7	35.3	52.9

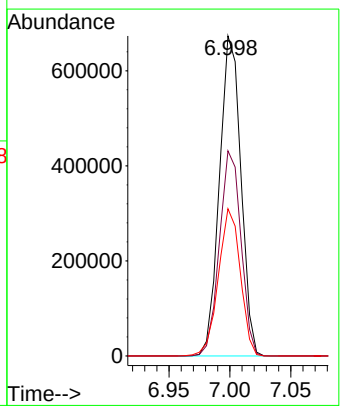


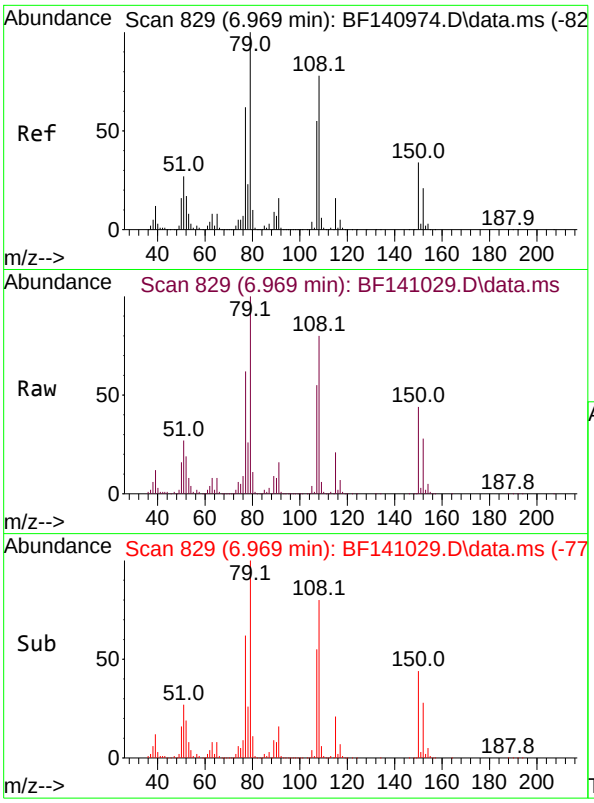


#14
1,2-Dichlorobenzene
Concen: 38.948 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:146 Resp: 824932

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	76.0
111	46.0	37.3	55.9



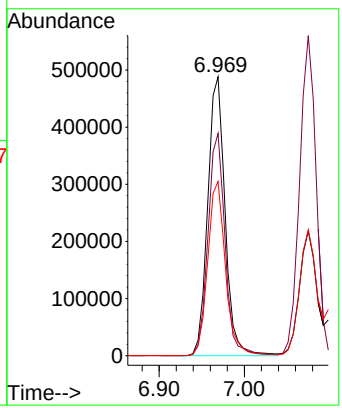


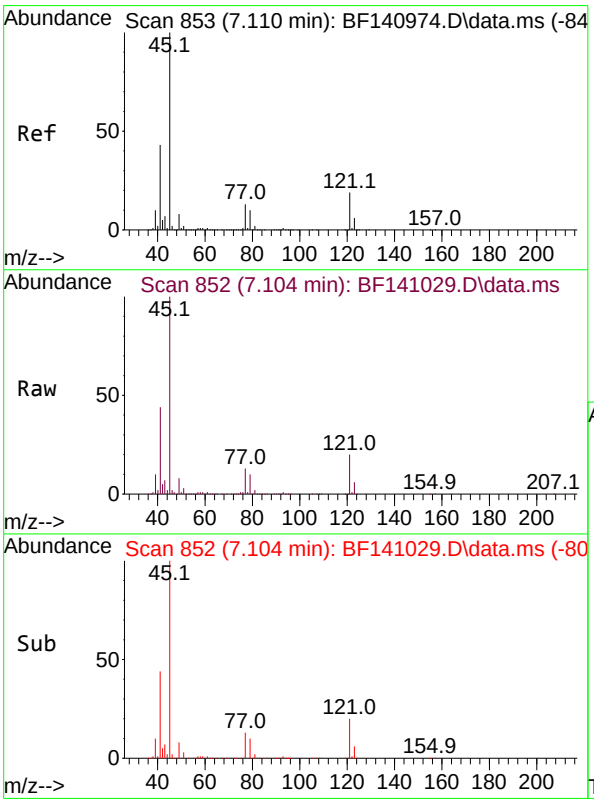
#15
Benzyl Alcohol
Concen: 38.586 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 691789

Ion	Ratio	Lower	Upper
79	100		
108	79.7	62.5	93.7
77	62.5	49.3	73.9

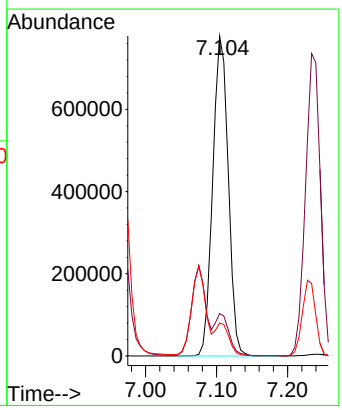


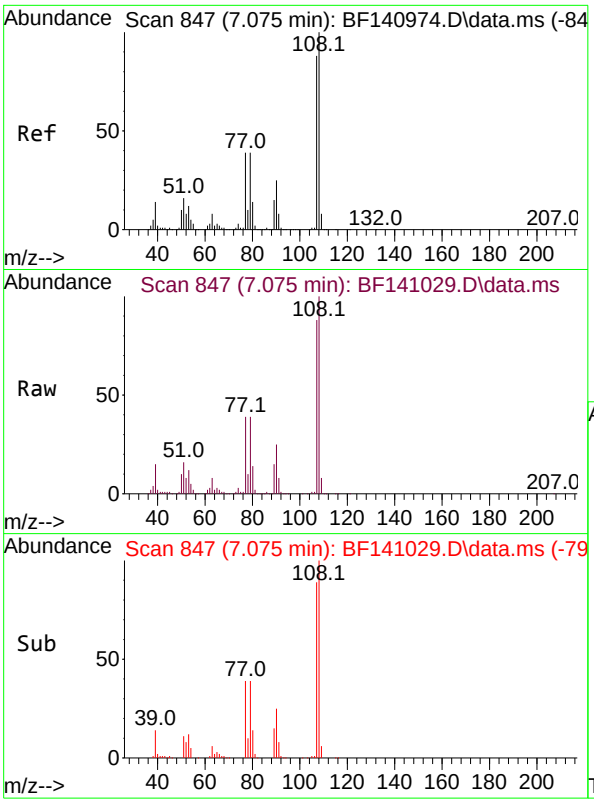


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.370 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion: 45 Resp: 1177212

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	33.1
79	10.3	0.0	30.1



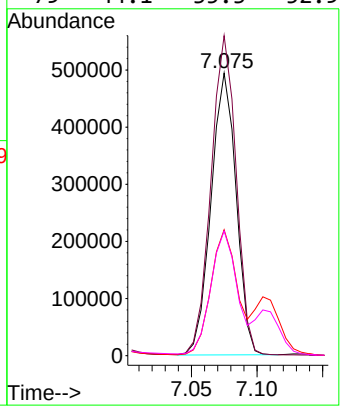


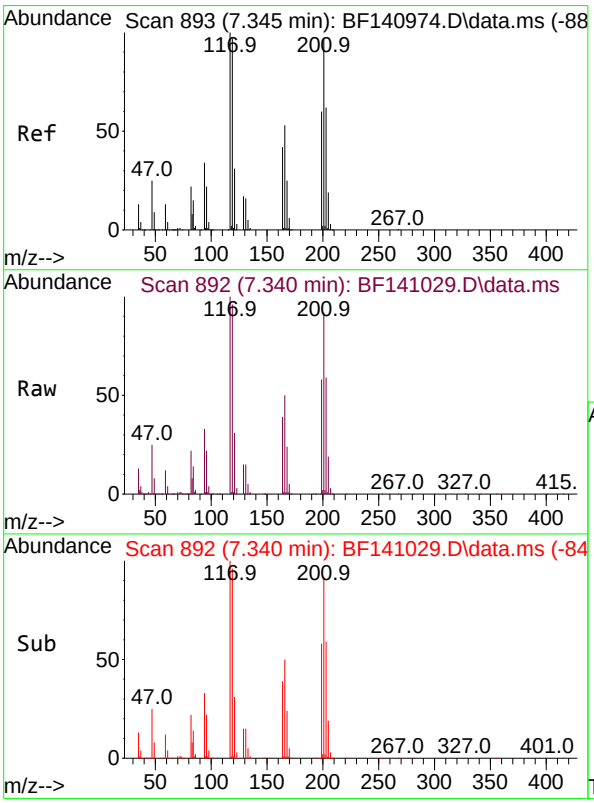
#17
2-Methylphenol
Concen: 38.715 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 656740

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	136.0
77	44.6	35.3	52.9
79	44.1	35.3	52.9

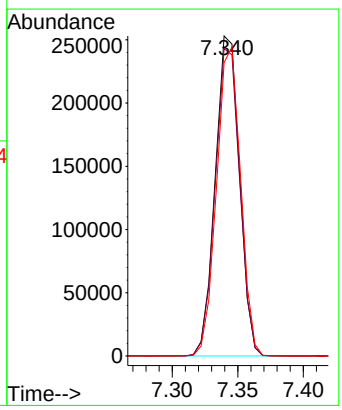


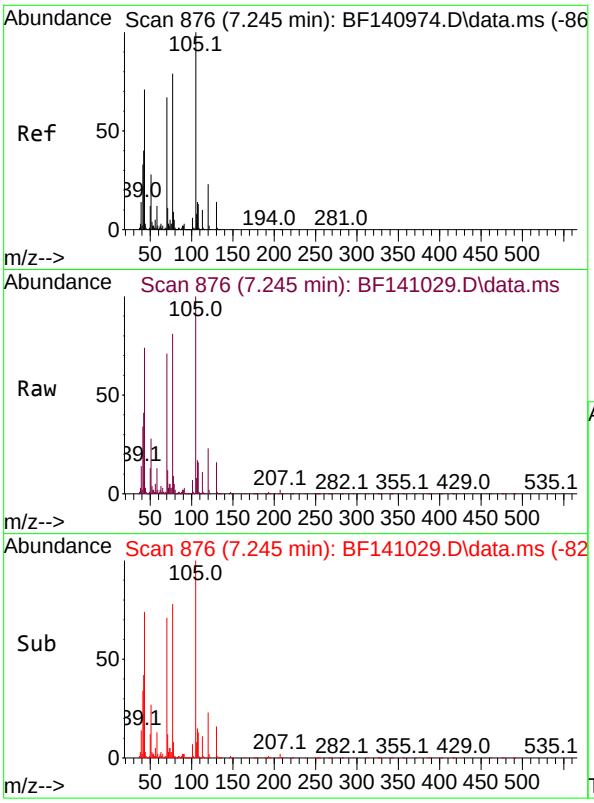


#18
Hexachloroethane
Concen: 40.346 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:117 Resp: 325581

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.5	116.3
201	91.7	77.4	116.2



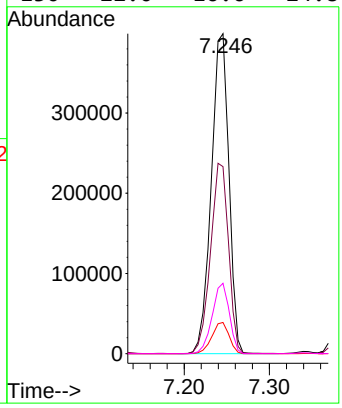


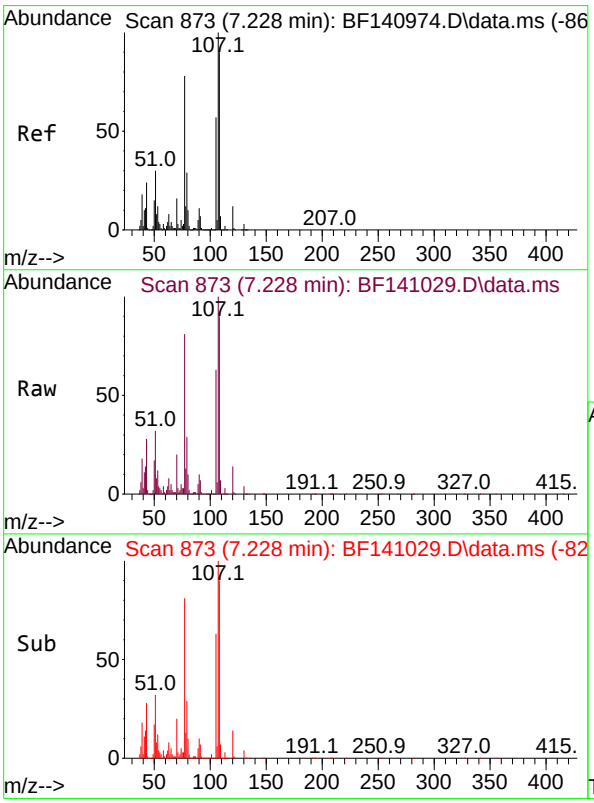
#19
n-Nitroso-di-n-propylamine
Concen: 37.472 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 572732

Ion	Ratio	Lower	Upper
70	100		
42	58.5	48.1	72.1
101	9.8	7.6	11.4
130	22.0	16.6	24.8

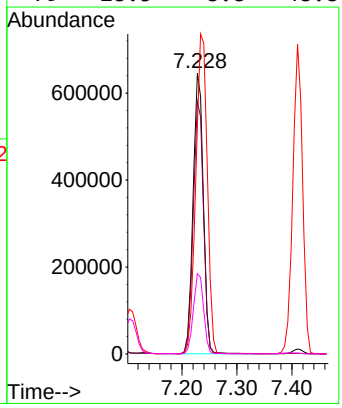


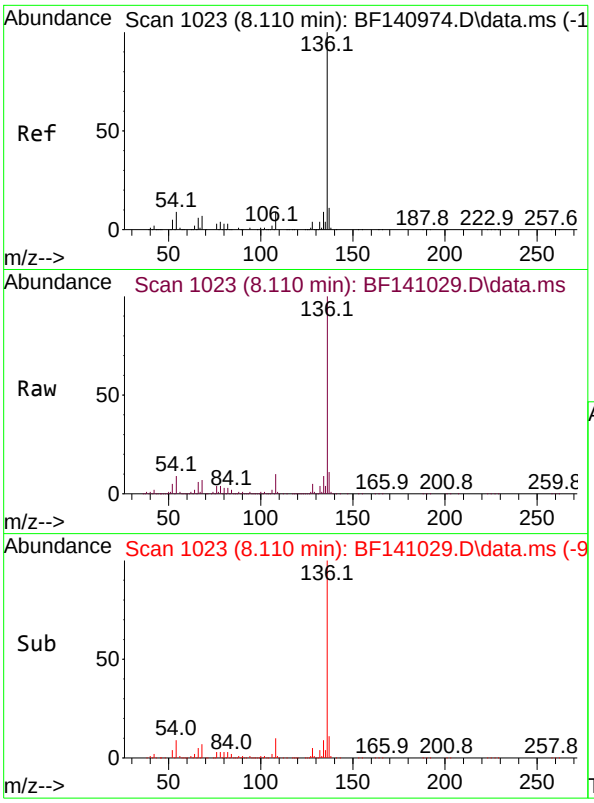


#20
3+4-Methylphenols
Concen: 38.640 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:107 Resp: 829467

Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.6	109.6
77	81.5	57.6	97.6
79	28.5	8.8	48.8



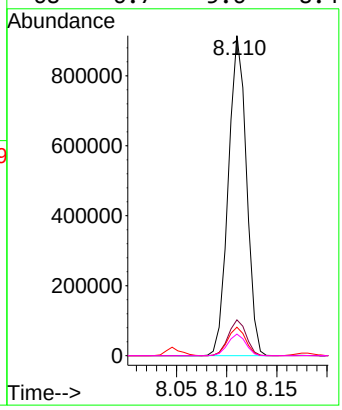


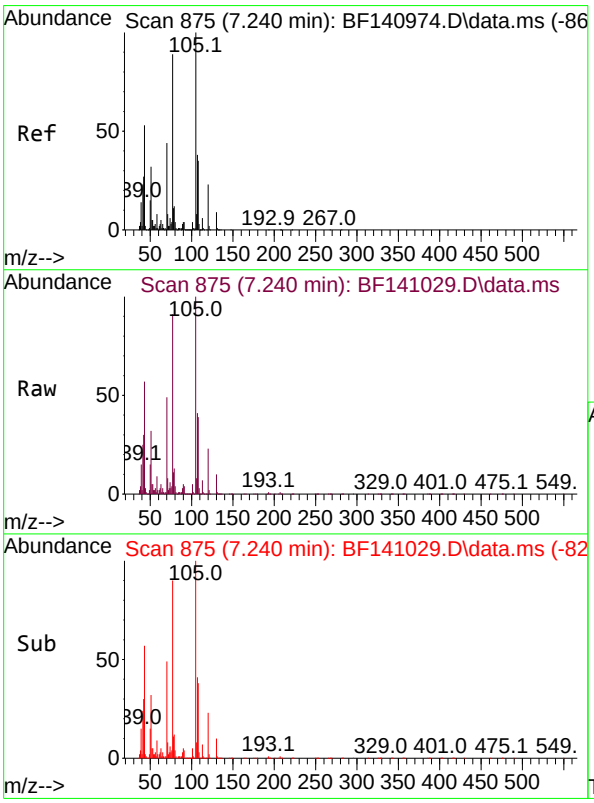
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 1150406

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	8.9	7.6	11.4
68	6.7	5.6	8.4

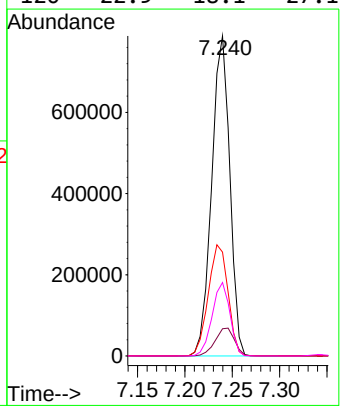


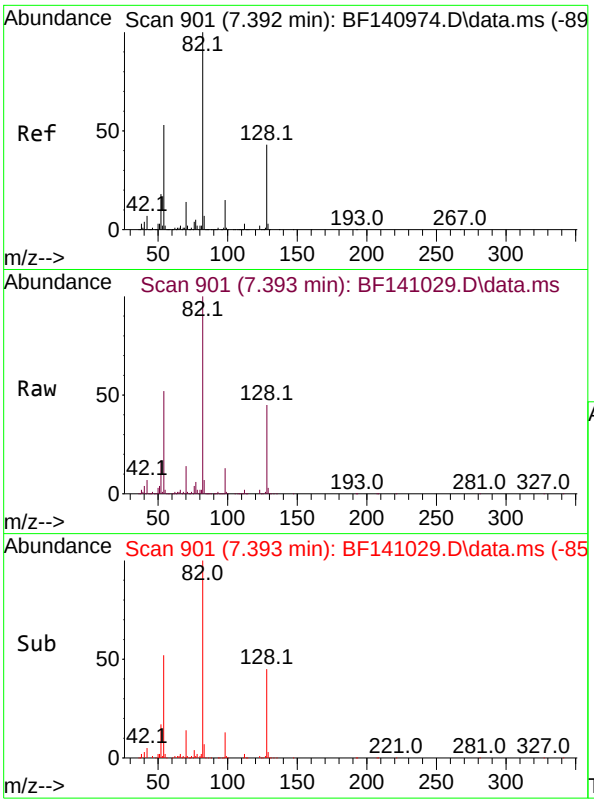


#22
Acetophenone
Concen: 37.049 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:105 Resp: 1045552

Ion	Ratio	Lower	Upper
105	100		
71	8.5	6.1	9.1
51	32.4	25.8	38.6
120	22.9	18.1	27.1



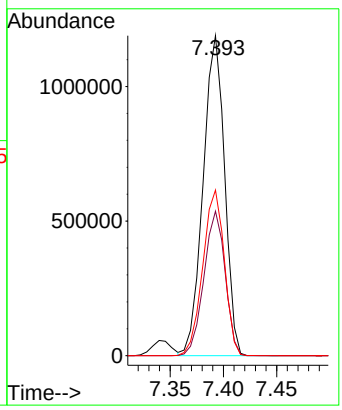


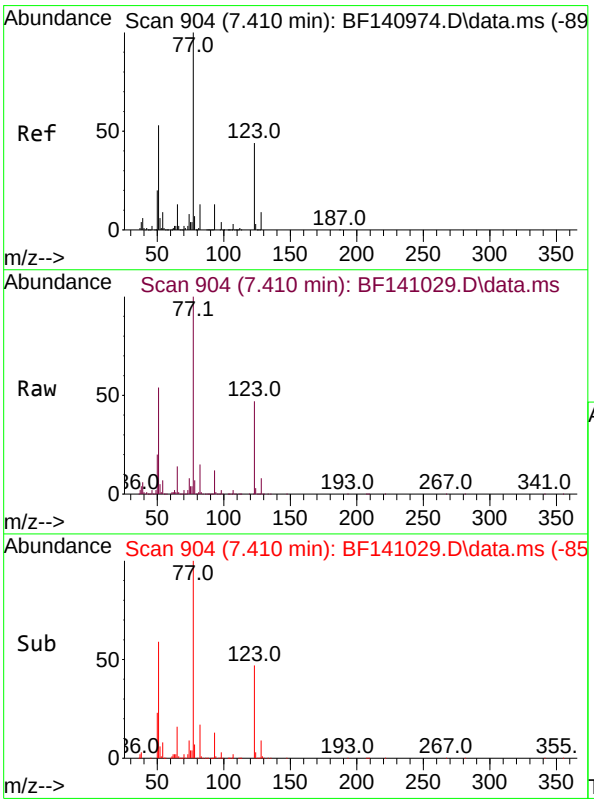
#23
Nitrobenzene-d5
Concen: 92.727 ng
RT: 7.393 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1667358

Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.4	51.6
54	51.8	42.4	63.6

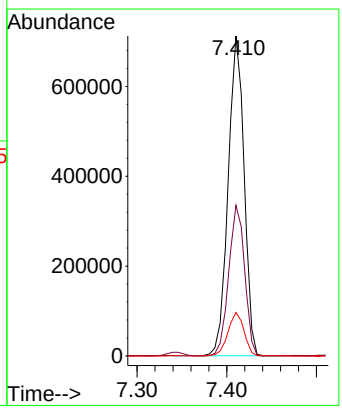


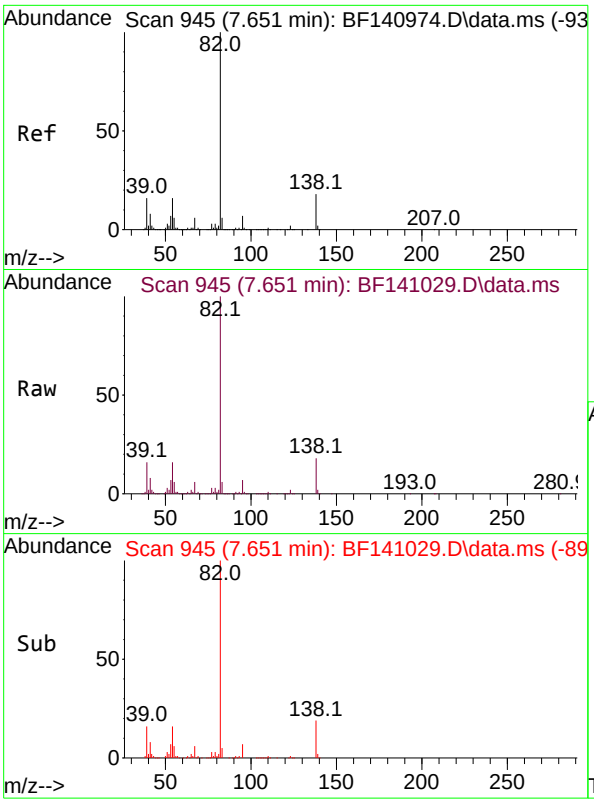


#24
Nitrobenzene
Concen: 43.772 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion: 77 Resp: 879472

Ion	Ratio	Lower	Upper
77	100		
123	47.1	35.4	53.2
65	13.6	10.7	16.1



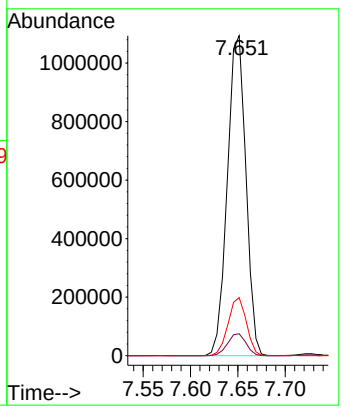


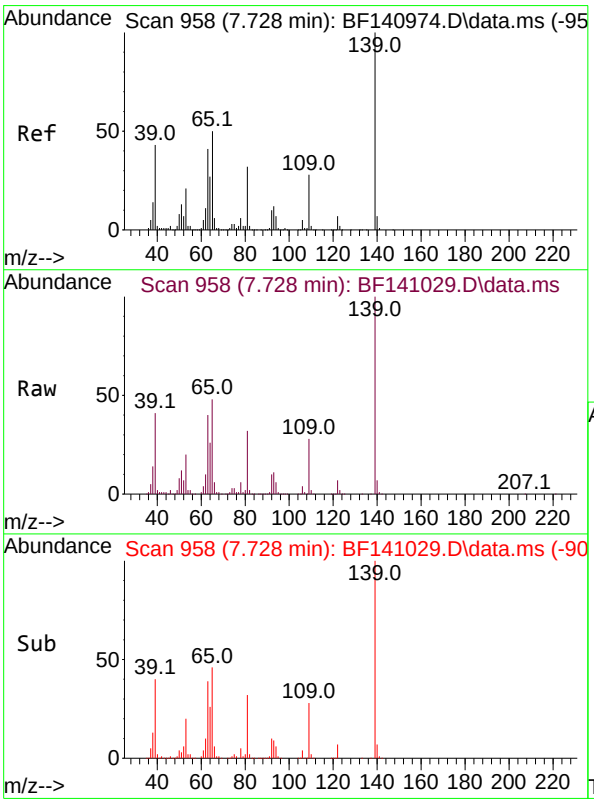
#25
Isophorone
Concen: 38.156 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1492983

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.6	8.4
138	18.2	14.6	21.8

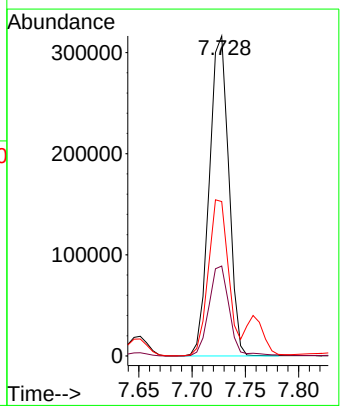


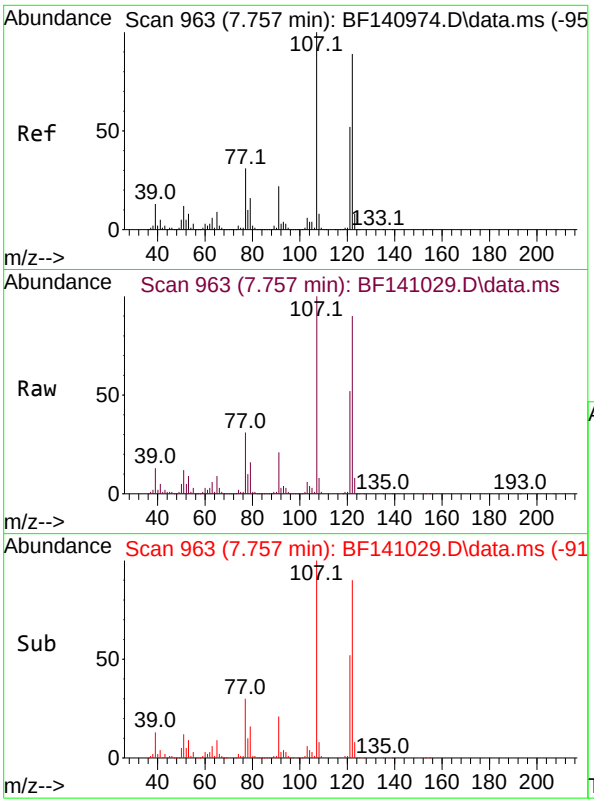


#26
2-Nitrophenol
Concen: 48.653 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:139 Resp: 401277

Ion	Ratio	Lower	Upper
139	100		
109	28.1	22.2	33.4
65	48.3	40.2	60.4



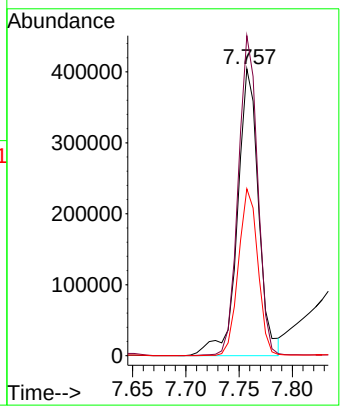


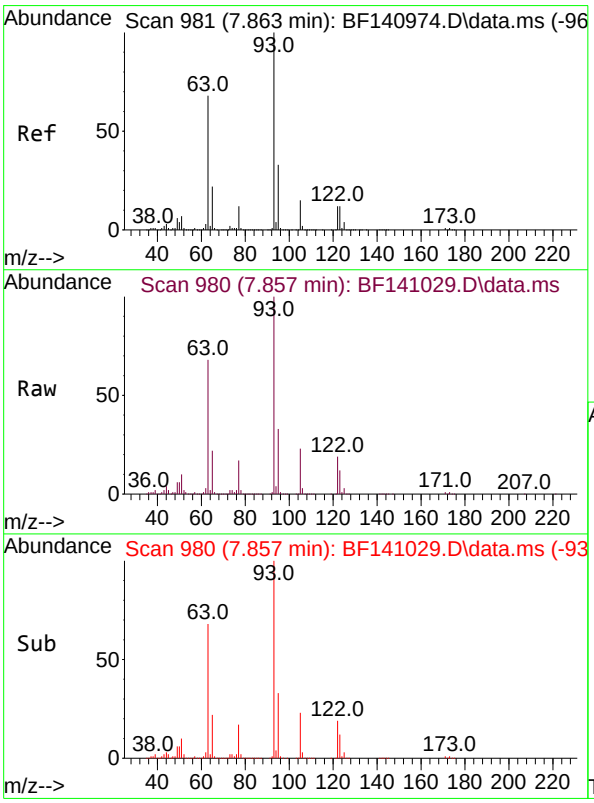
#27
2,4-Dimethylphenol
Concen: 39.051 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 558437

Ion	Ratio	Lower	Upper
122	100		
107	111.5	89.4	134.2
121	58.2	46.7	70.1

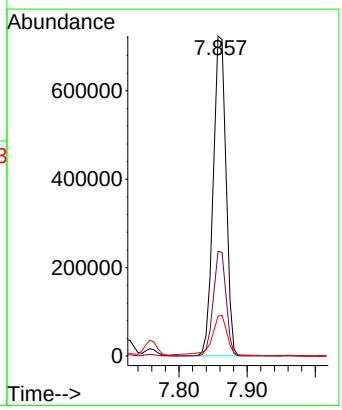


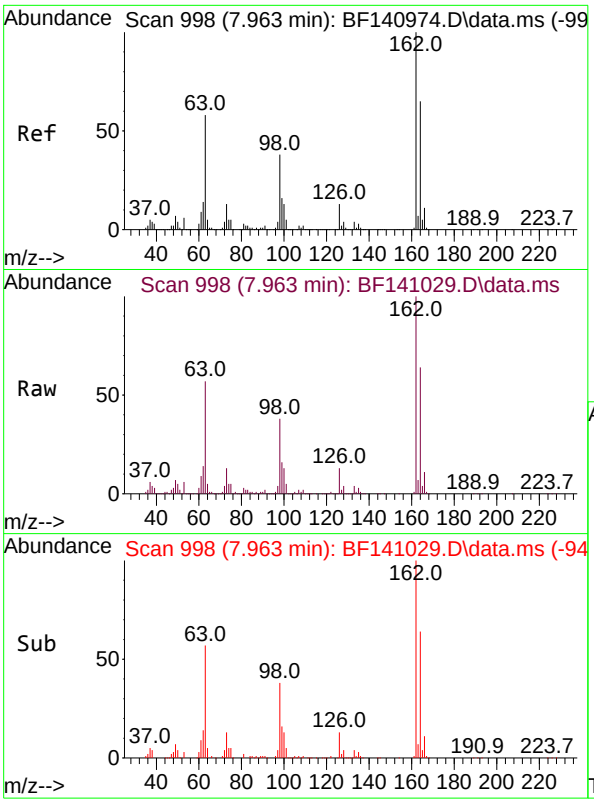


#28
bis(2-Chloroethoxy)methane
Concen: 38.200 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.006 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion: 93 Resp: 947028

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.4
123	12.4	9.9	14.9



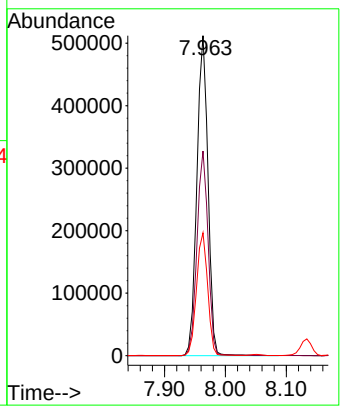


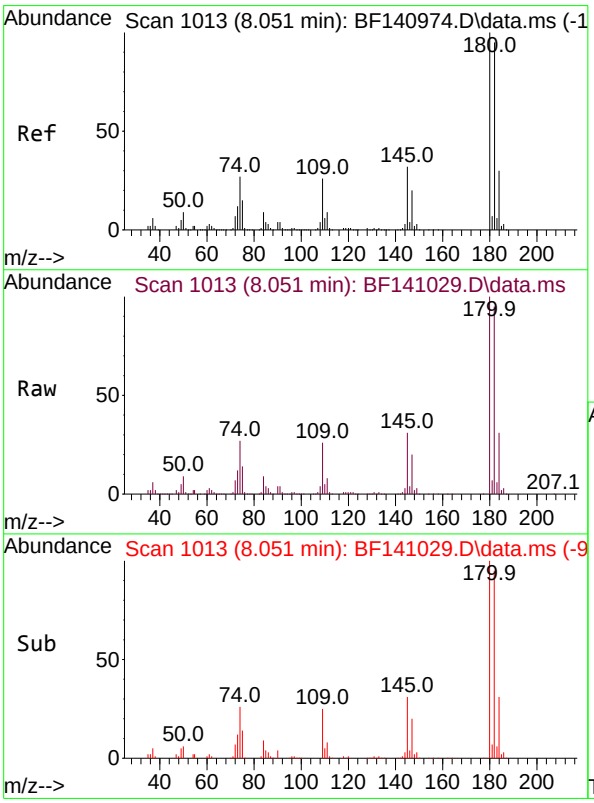
#29
2,4-Dichlorophenol
Concen: 40.103 ng
RT: 7.963 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 650416

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.8	84.8
98	38.4	18.6	58.6

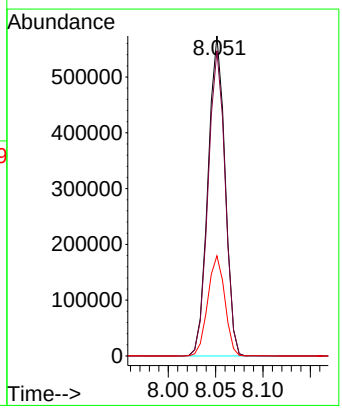


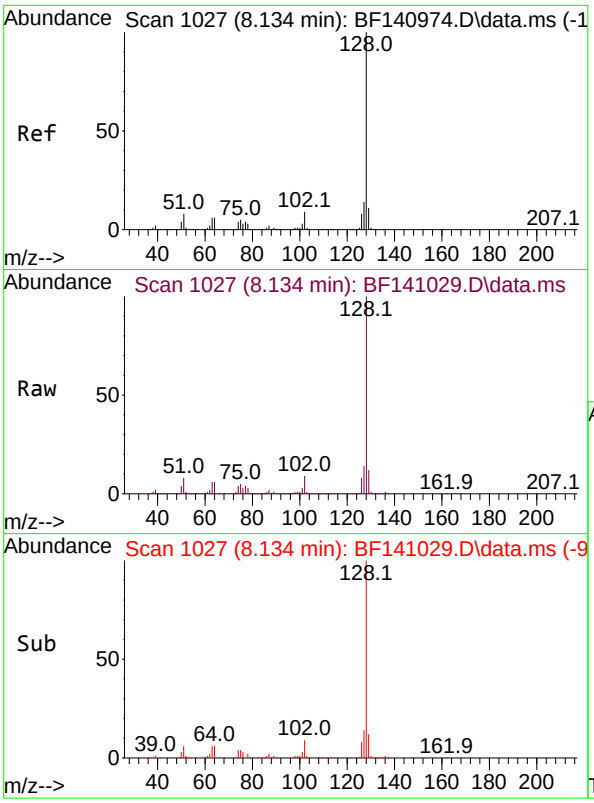


#30
1,2,4-Trichlorobenzene
Concen: 39.068 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:180 Resp: 717162

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.4
145	31.3	25.4	38.2



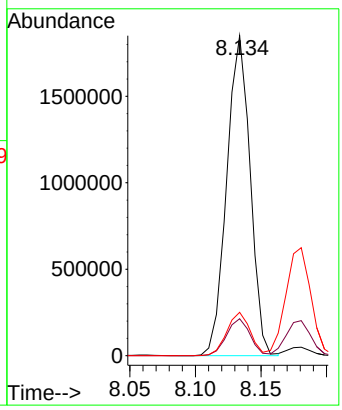


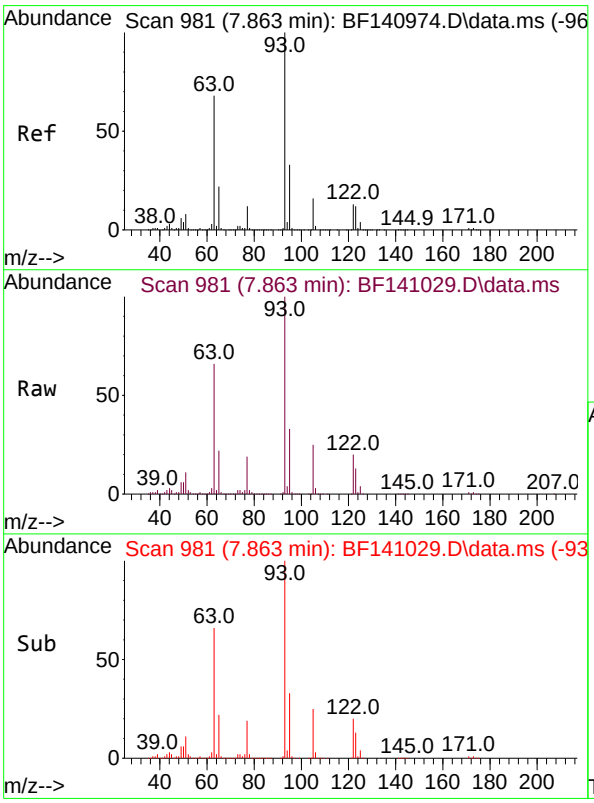
#31
Naphthalene
Concen: 37.986 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 2302667

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.6	11.0	16.4

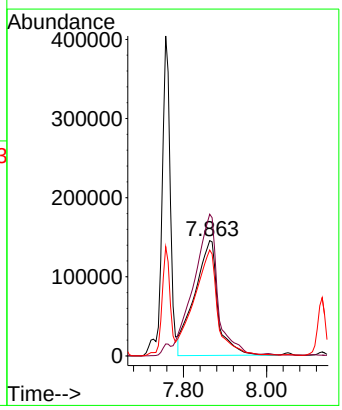


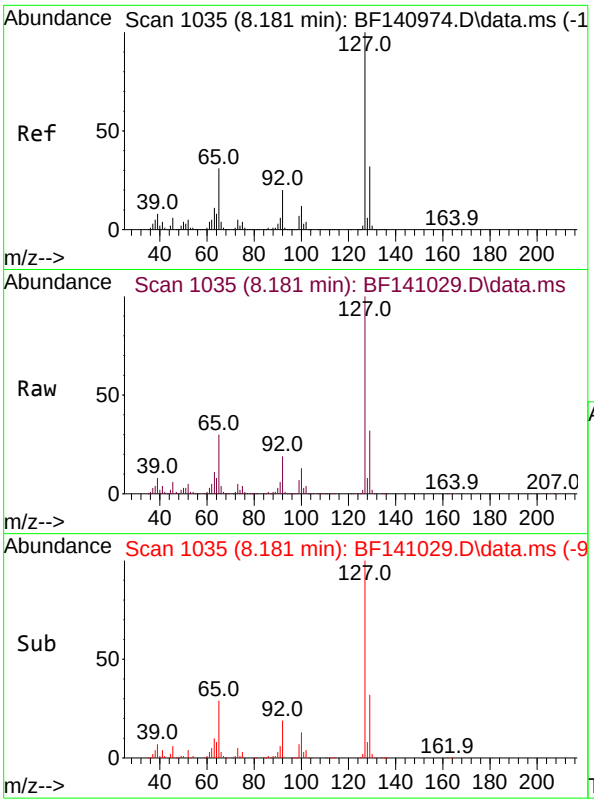


#32
Benzoic acid
Concen: 48.102 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:122 Resp: 566304

Ion	Ratio	Lower	Upper
122	100		
105	122.9	105.4	145.4
77	91.8	76.4	116.4



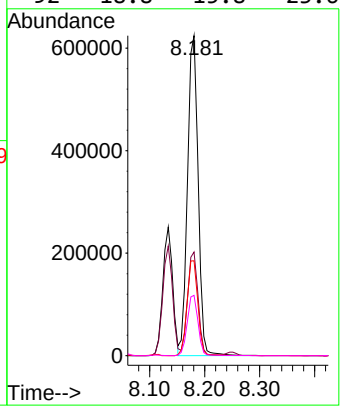


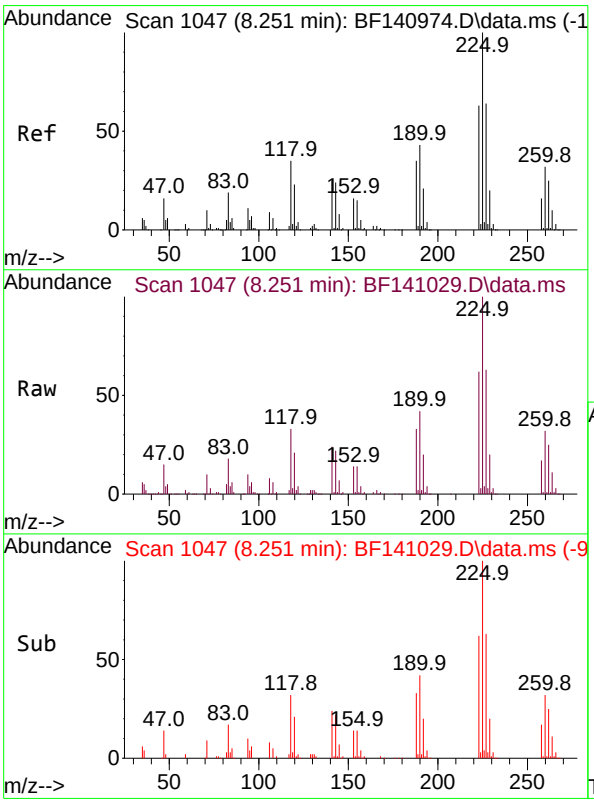
#33
4-Chloroaniline
Concen: 38.257 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 838977

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	29.6	24.6	37.0
92	18.8	15.8	23.6

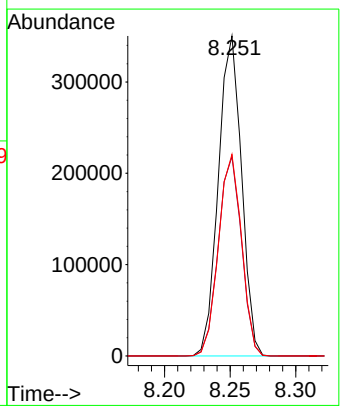


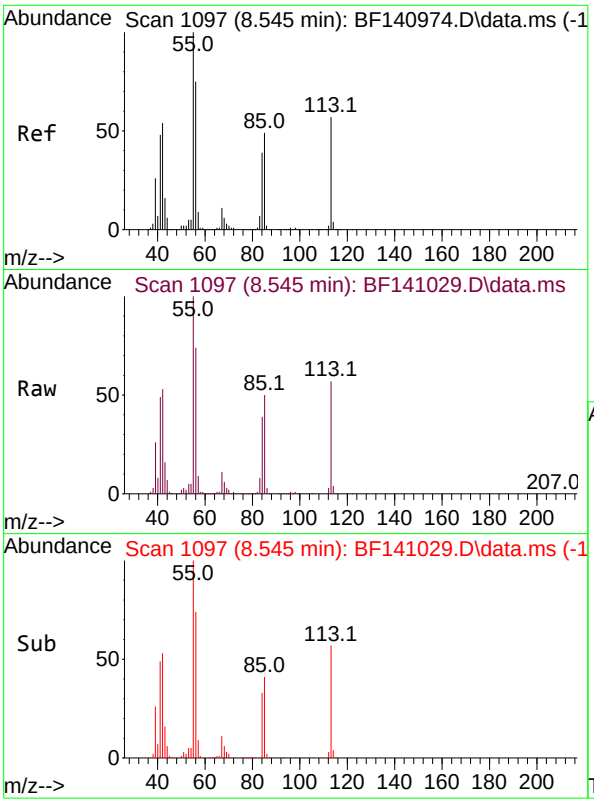


#34
Hexachlorobutadiene
Concen: 39.741 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:225 Resp: 430077

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.3	75.5
227	63.0	50.8	76.2



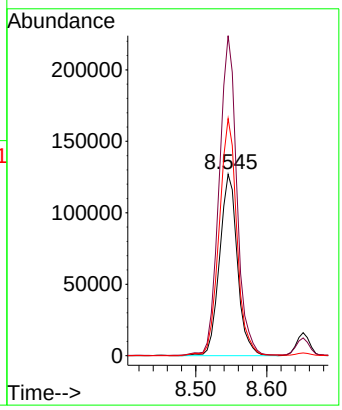


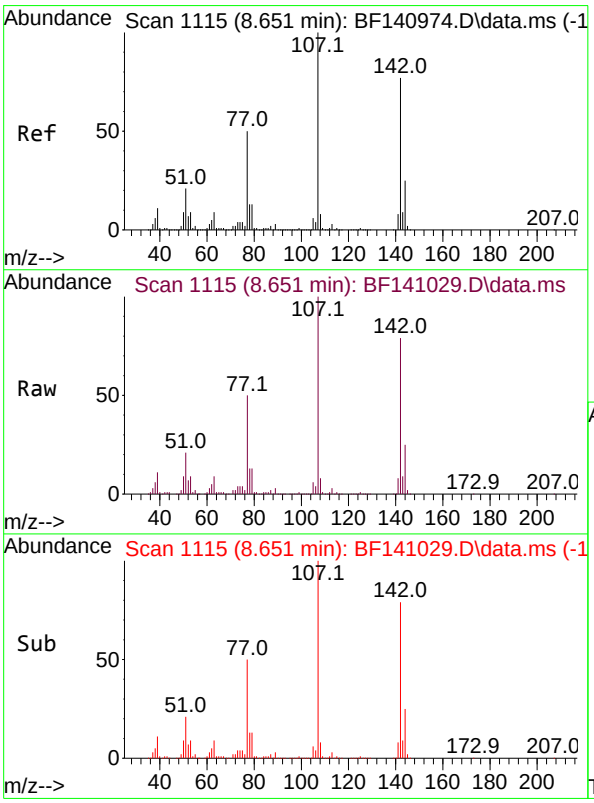
#35
Caprolactam
Concen: 39.954 ng
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 220292

Ion	Ratio	Lower	Upper
113	100		
55	176.3	156.6	196.6
56	130.6	111.7	151.7

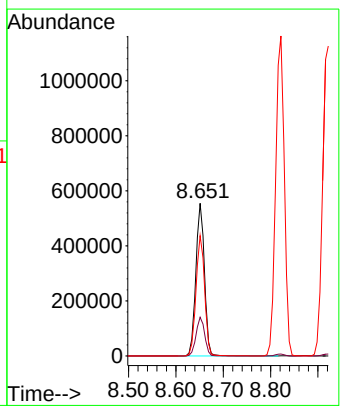


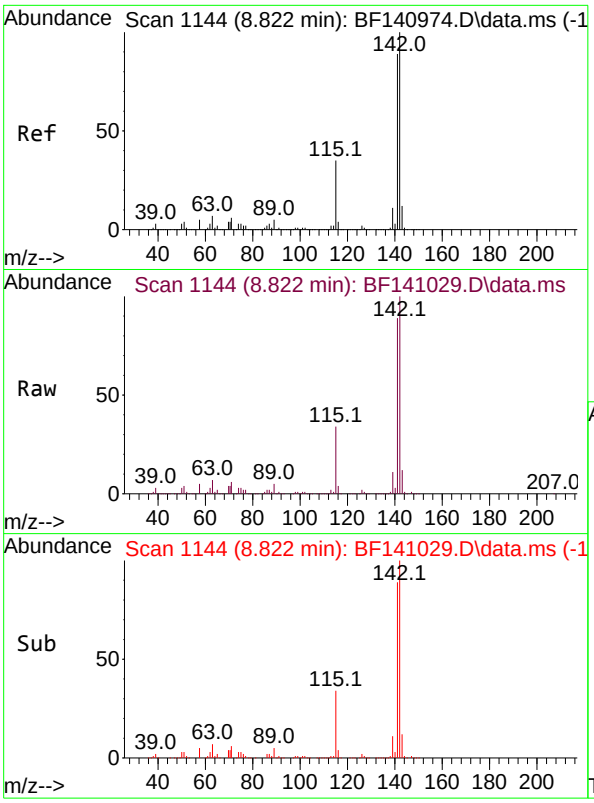


#36
4-Chloro-3-methylphenol
Concen: 38.974 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:107 Resp: 701991

Ion	Ratio	Lower	Upper
107	100		
144	25.3	19.9	29.9
142	78.9	61.8	92.8



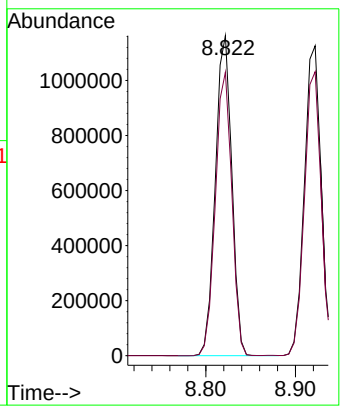


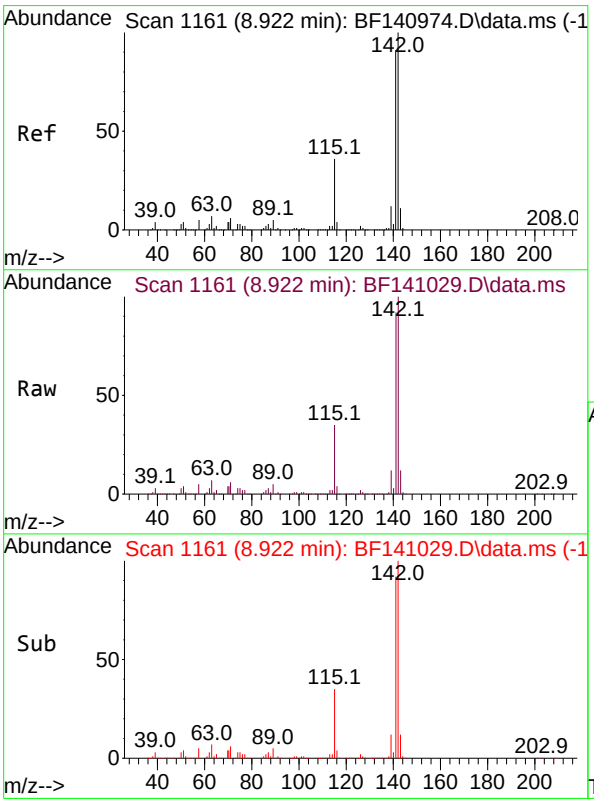
#37
2-Methylnaphthalene
Concen: 38.107 ng
RT: 8.822 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 1477806

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.1	106.7

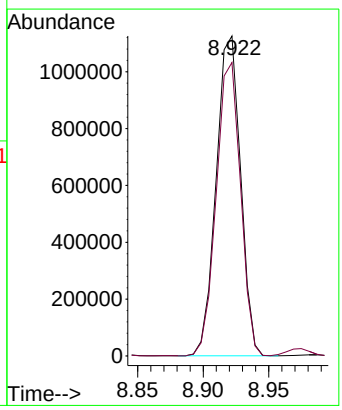


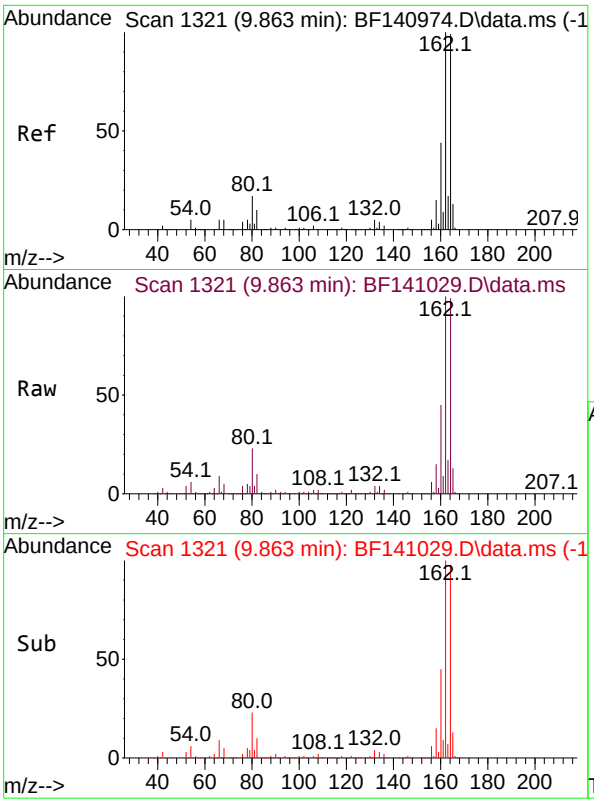


#38
1-Methylnaphthalene
Concen: 38.192 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:142 Resp: 1455603

Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.7	109.1



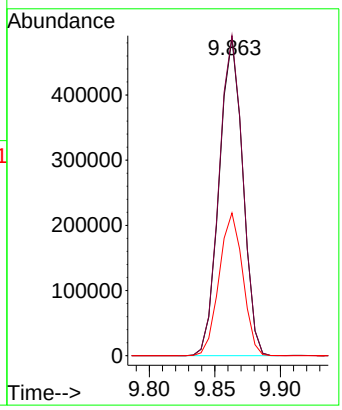


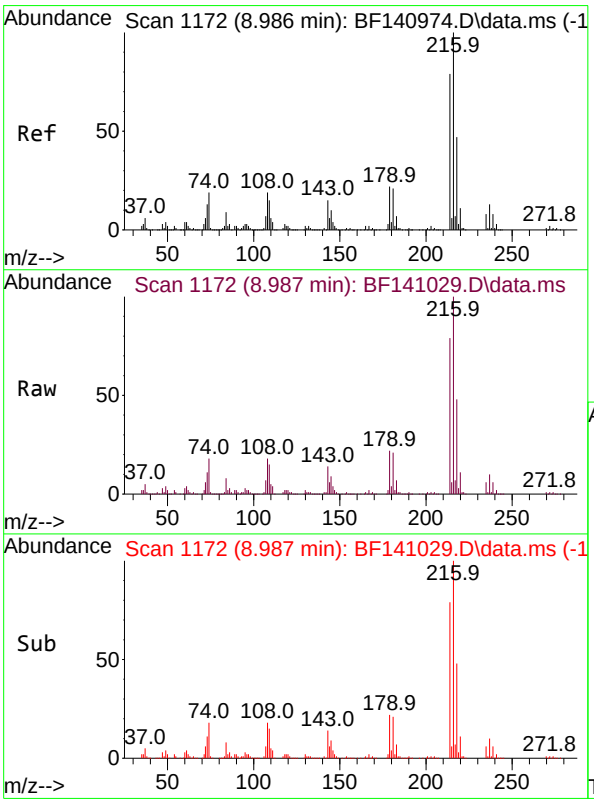
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 609271

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	120.8
160	45.0	35.7	53.5

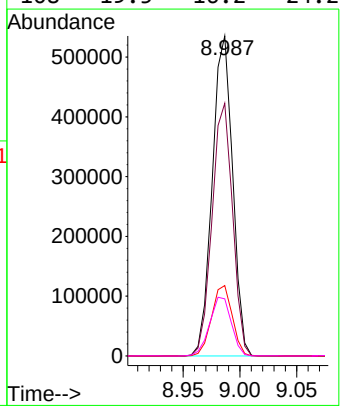


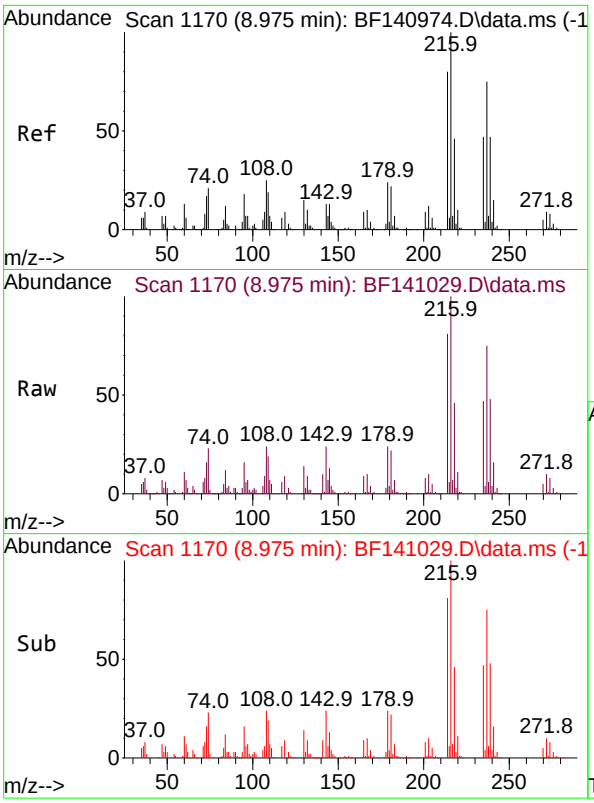


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.826 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:216 Resp: 667556

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.0	94.6
179	22.3	17.9	26.9
108	19.5	16.2	24.2



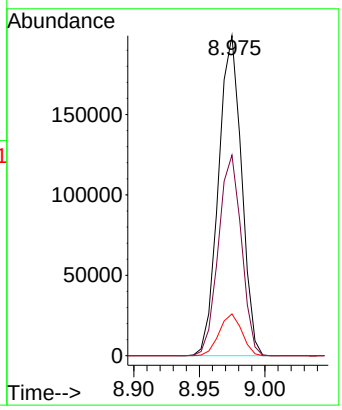


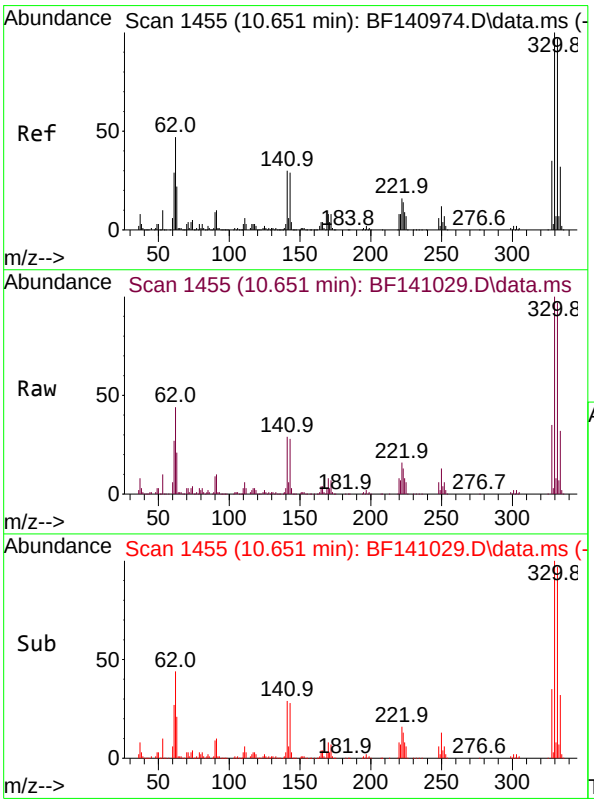
#41
Hexachlorocyclopentadiene
Concen: 43.761 ng
RT: 8.975 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 243078

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.4	83.4
272	13.0	0.0	32.6

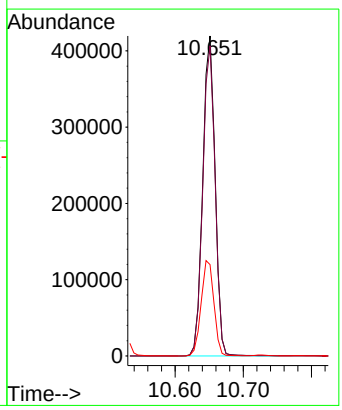


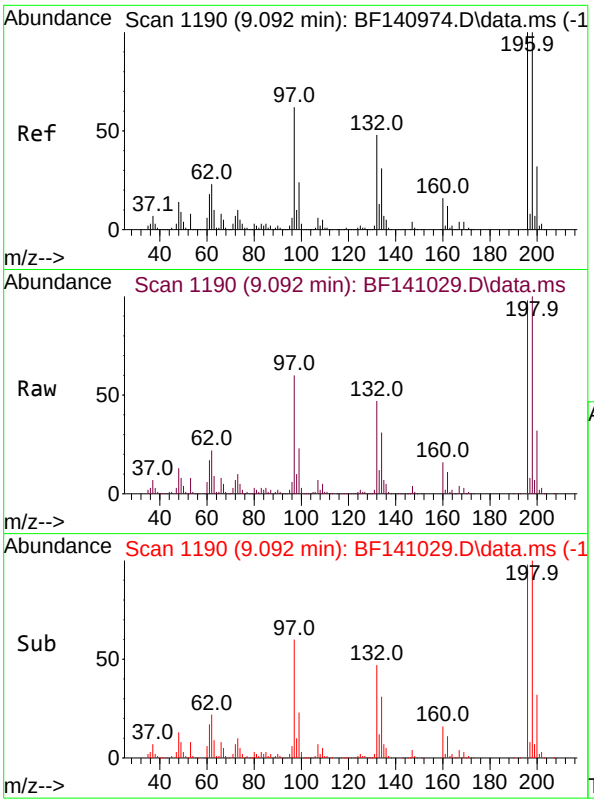


#42
2,4,6-Tribromophenol
Concen: 89.355 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:330 Resp: 529009

Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.0	117.0
141	30.9	26.4	39.6



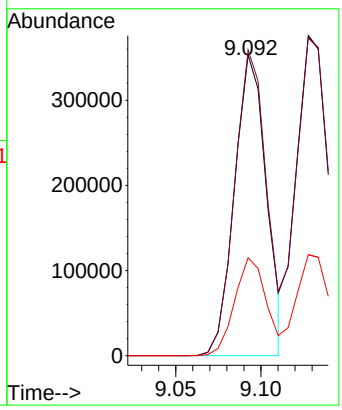


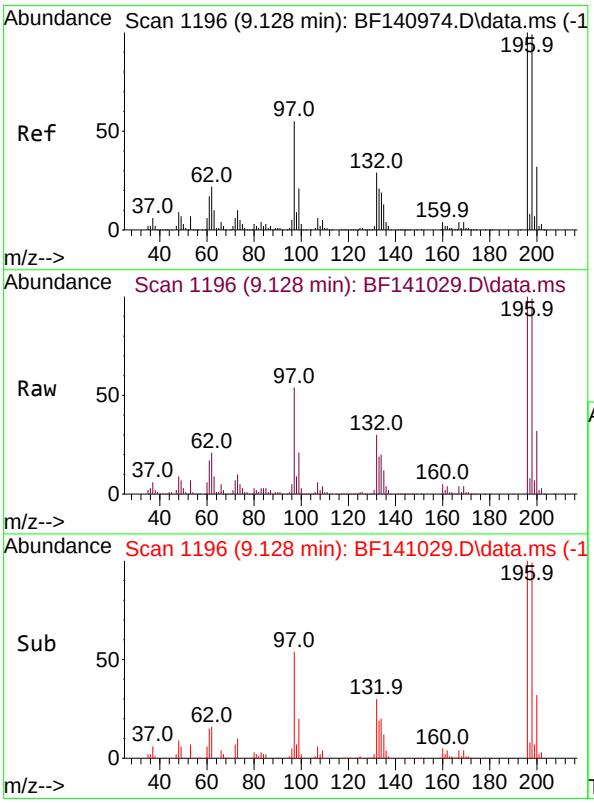
#43
2,4,6-Trichlorophenol
Concen: 41.091 ng
RT: 9.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 458401

Ion	Ratio	Lower	Upper
196	100		
198	101.7	80.2	120.4
200	32.6	25.8	38.6

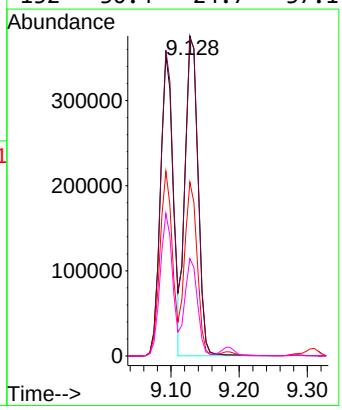


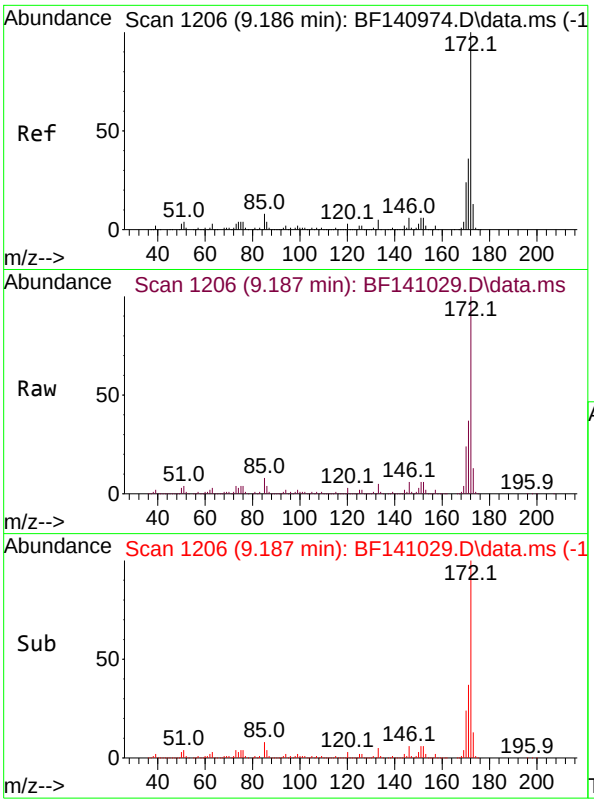


#44
2,4,5-Trichlorophenol
Concen: 43.449 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:196 Resp: 495948

Ion	Ratio	Lower	Upper
196	100		
198	99.4	79.9	119.9
97	54.3	44.3	66.5
132	30.4	24.7	37.1



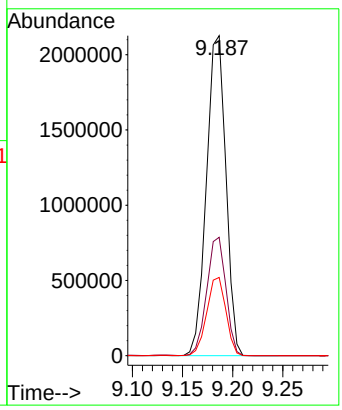


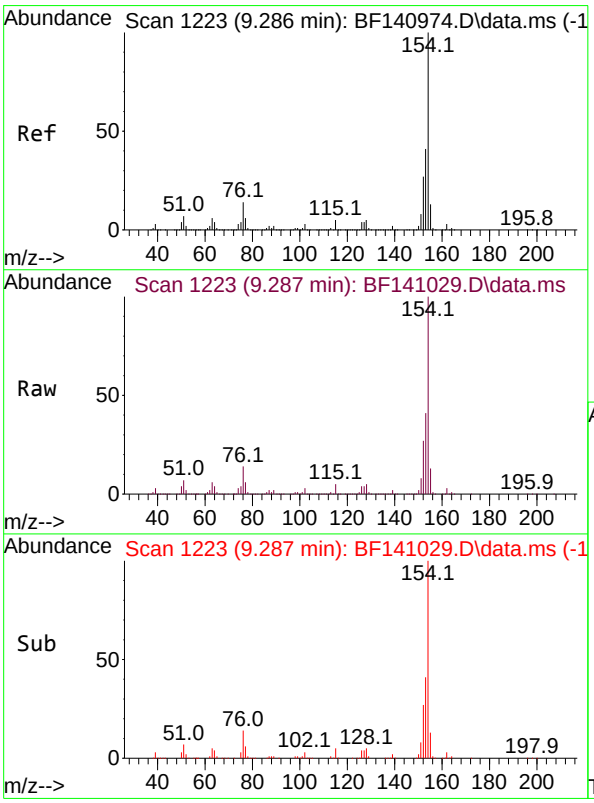
#45
2-Fluorobiphenyl
Concen: 75.039 ng
RT: 9.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 2869562

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.0	43.4
170	24.5	19.6	29.4

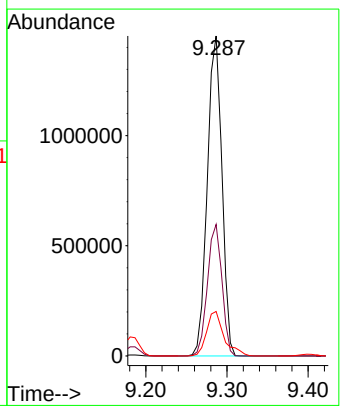


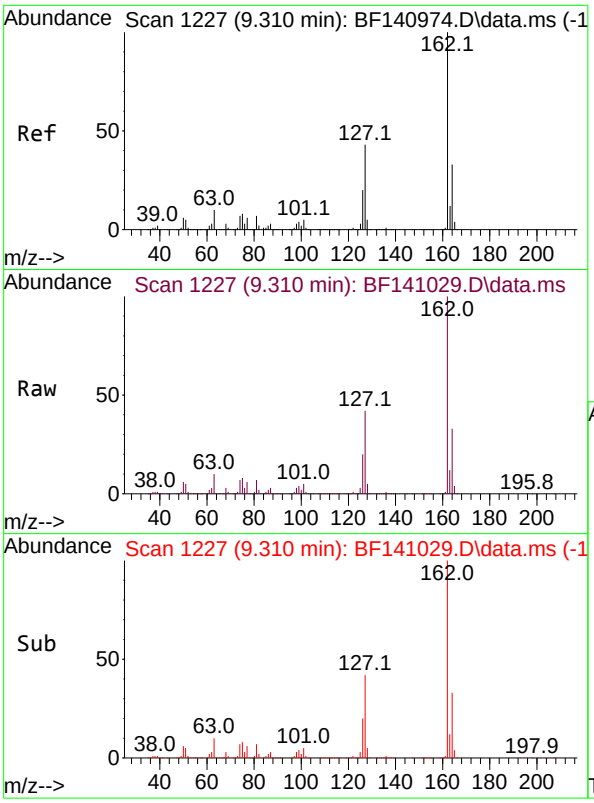


#46
1,1'-Biphenyl
Concen: 38.716 ng
RT: 9.287 min Scan# 1223
Delta R.T. 0.001 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:154 Resp: 1806178

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.9	60.9
76	13.9	0.0	34.0



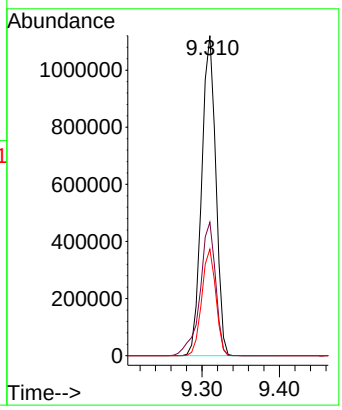


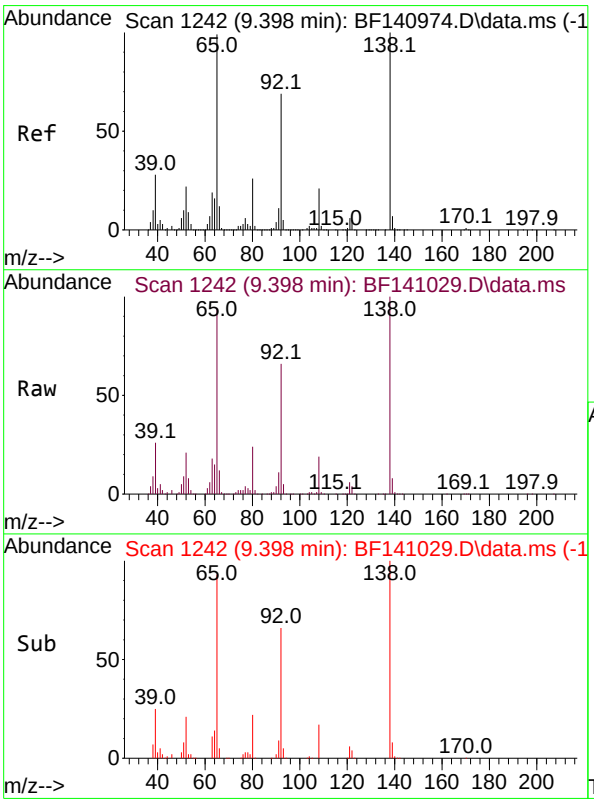
#47
2-Chloronaphthalene
Concen: 39.196 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 1418166

Ion	Ratio	Lower	Upper
162	100		
127	41.7	34.2	51.4
164	33.3	26.6	40.0

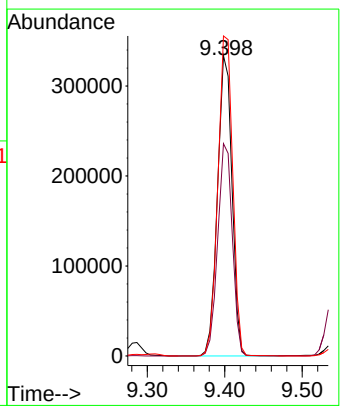


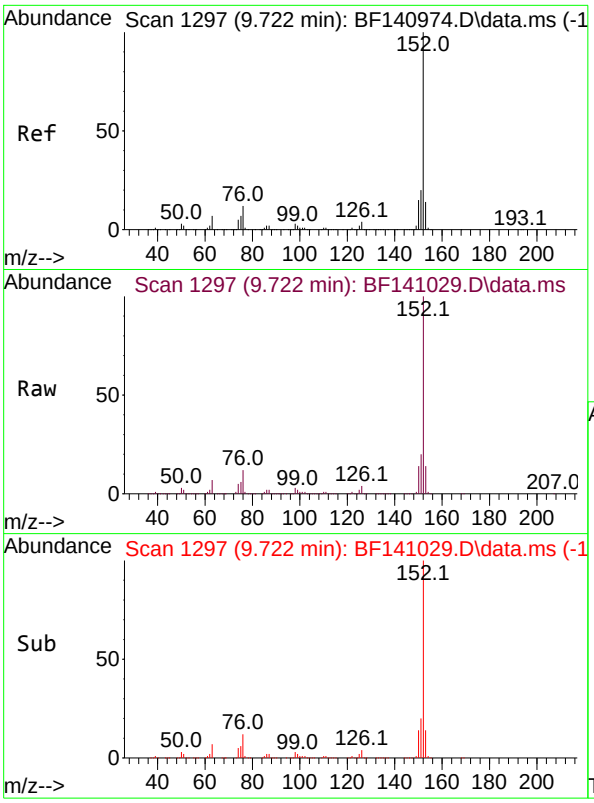


#48
2-Nitroaniline
Concen: 46.182 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion: 65 Resp: 435282

Ion	Ratio	Lower	Upper
65	100		
92	70.7	55.6	83.4
138	106.5	80.5	120.7



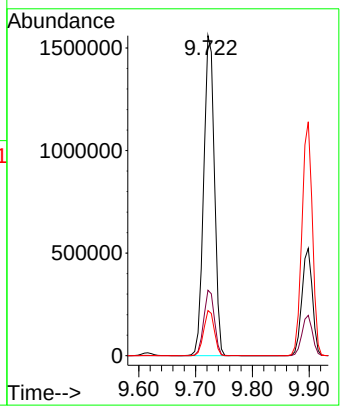


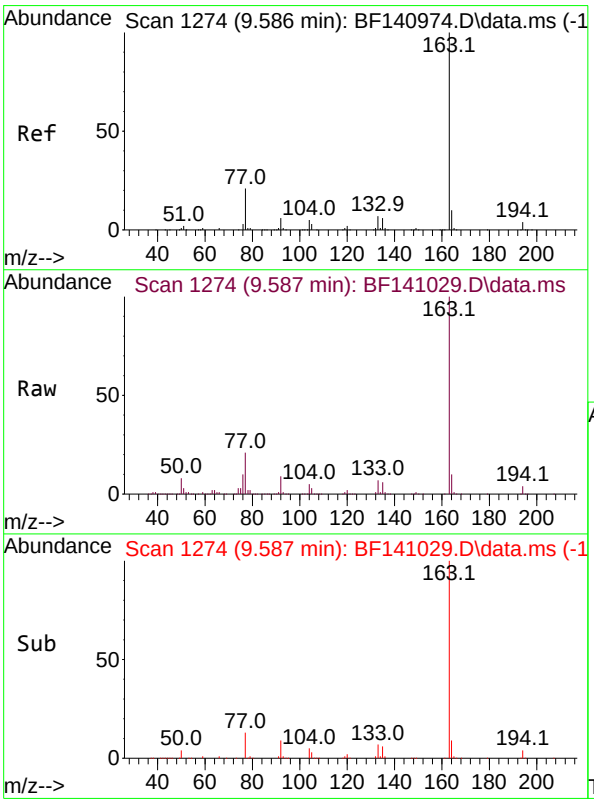
#49
Acenaphthylene
Concen: 39.042 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 2033494

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.4
153	14.1	11.4	17.0

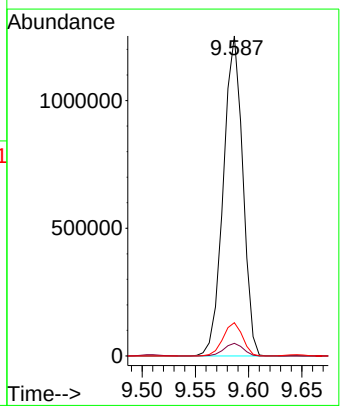


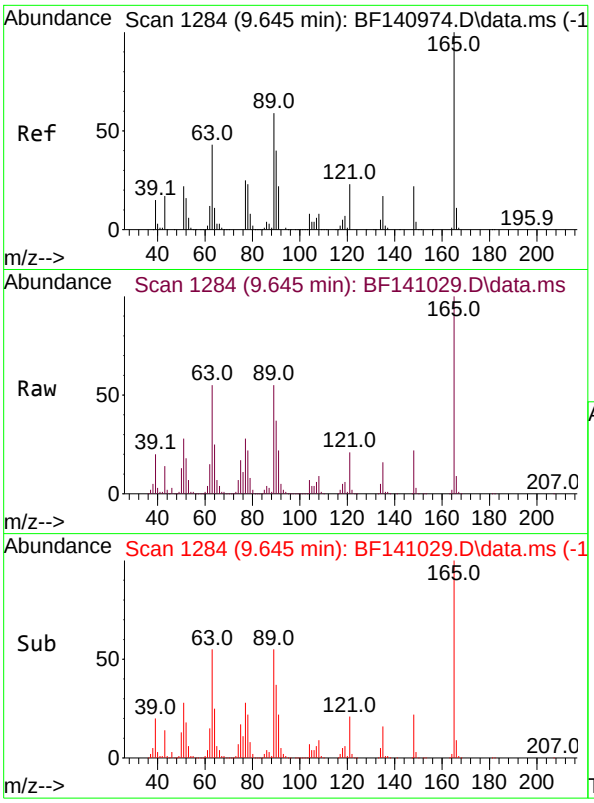


#50
Dimethylphthalate
Concen: 39.574 ng
RT: 9.587 min Scan# 1274
Delta R.T. 0.001 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:163 Resp: 1585974

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.4	8.3	12.5



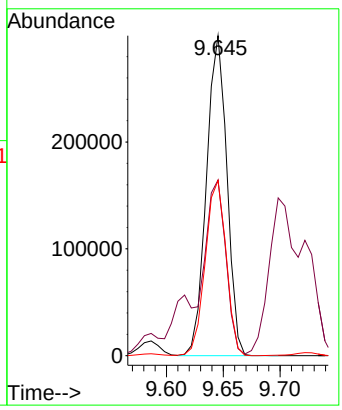


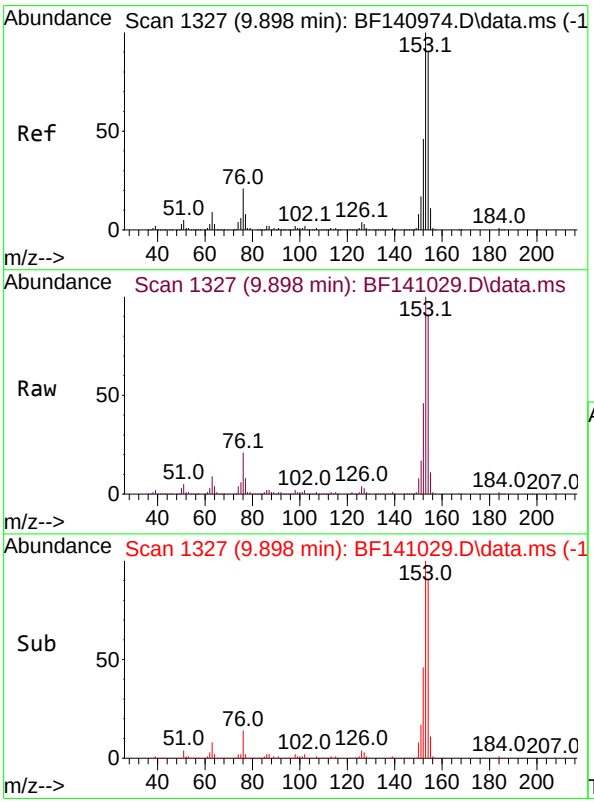
#51
2,6-Dinitrotoluene
Concen: 46.066 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 375191

Ion	Ratio	Lower	Upper
165	100		
63	54.9	47.1	70.7
89	54.8	47.0	70.4

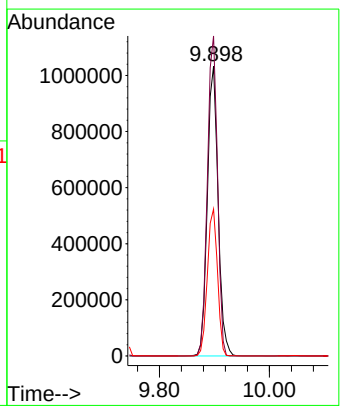


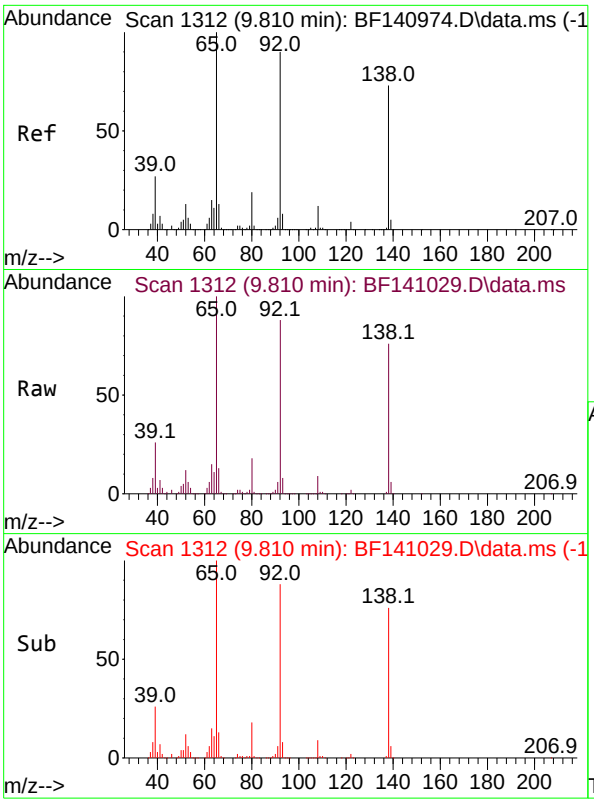


#52
Acenaphthene
Concen: 39.775 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:154 Resp: 1400565

Ion	Ratio	Lower	Upper
154	100		
153	110.5	89.2	133.8
152	50.7	40.9	61.3



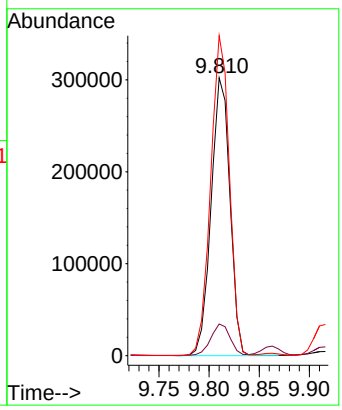


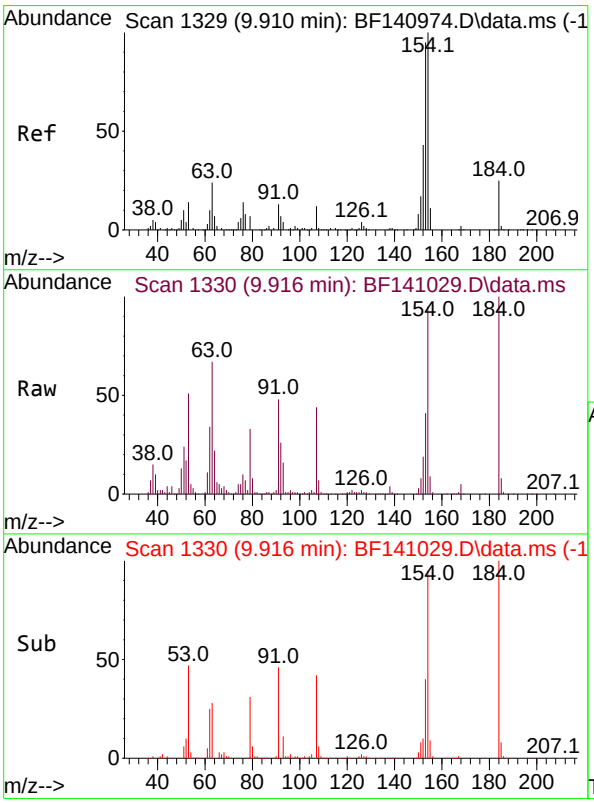
#53
3-Nitroaniline
Concen: 44.673 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 394902

Ion	Ratio	Lower	Upper
138	100		
108	11.4	13.5	20.3#
92	115.1	97.7	146.5

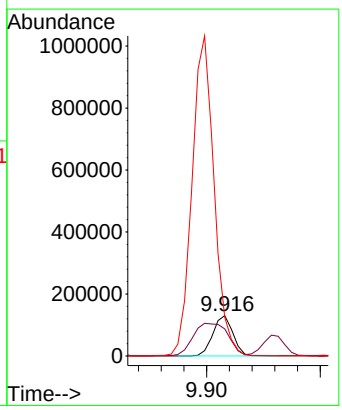


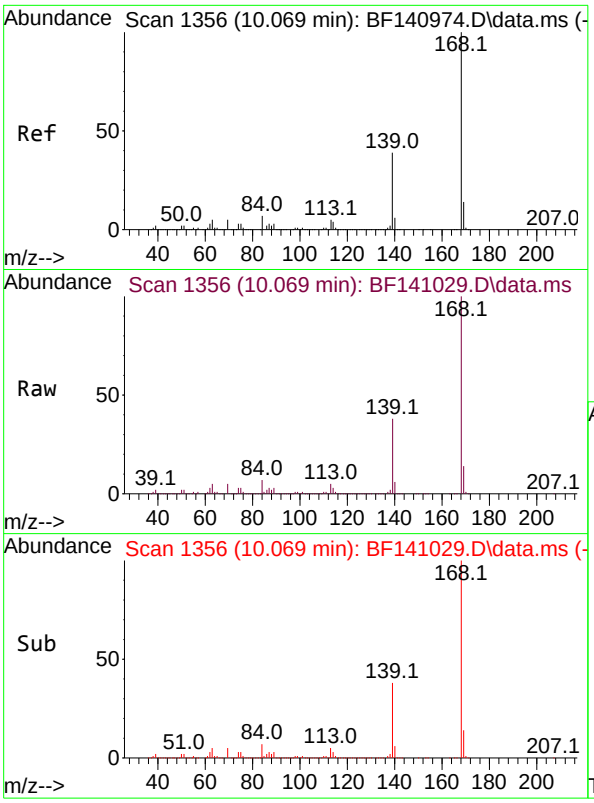


#54
2,4-Dinitrophenol
Concen: 57.337 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:184 Resp: 159279

Ion	Ratio	Lower	Upper
184	100		
63	67.2	81.6	122.4#
154	95.4	363.5	545.3#



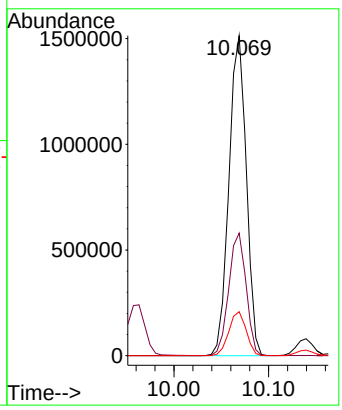


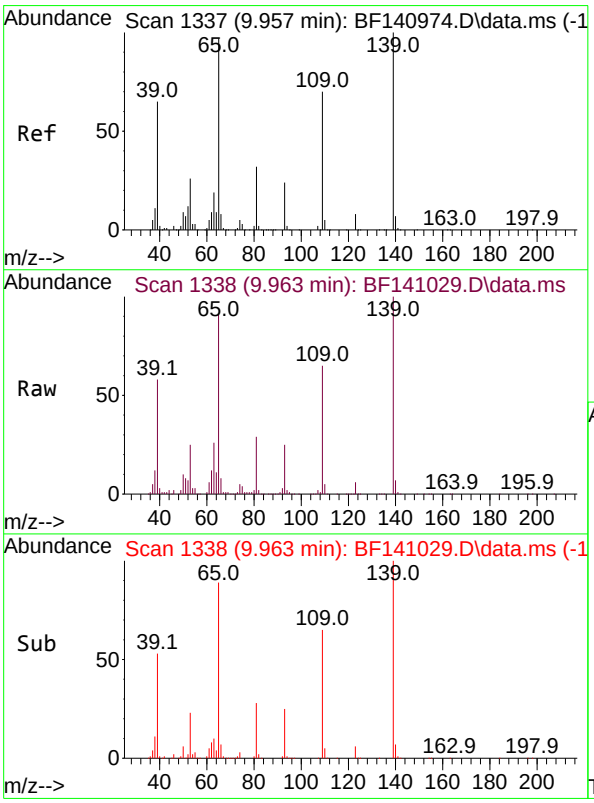
#55
Dibenzofuran
Concen: 39.055 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1932653

Ion	Ratio	Lower	Upper
168	100		
139	38.3	31.6	47.4
169	13.8	11.0	16.6

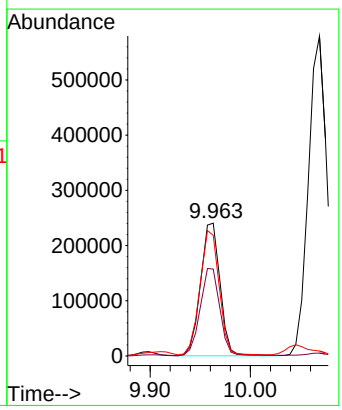


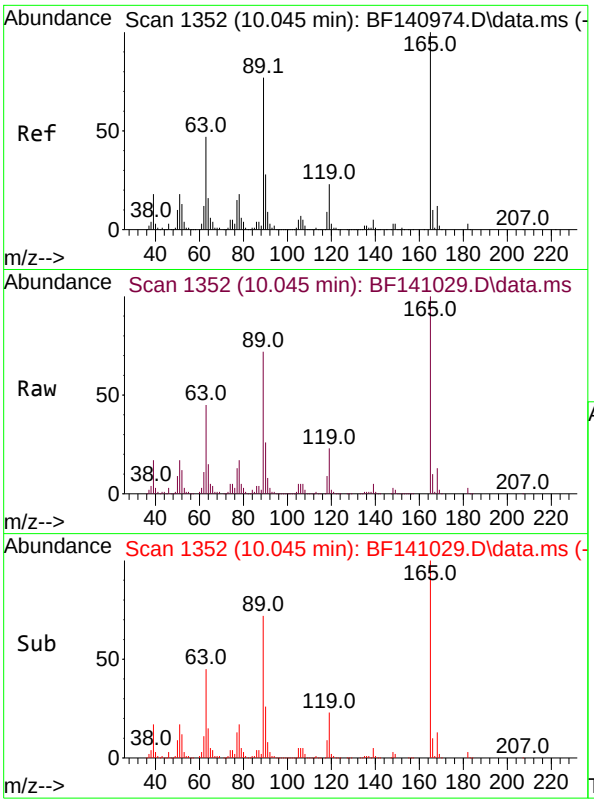


#56
4-Nitrophenol
Concen: 47.494 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:139 Resp: 325587

Ion	Ratio	Lower	Upper
139	100		
109	65.5	50.8	90.8
65	90.9	78.5	118.5



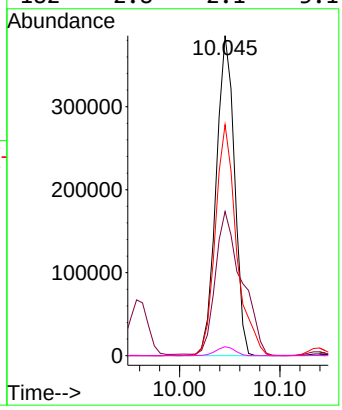


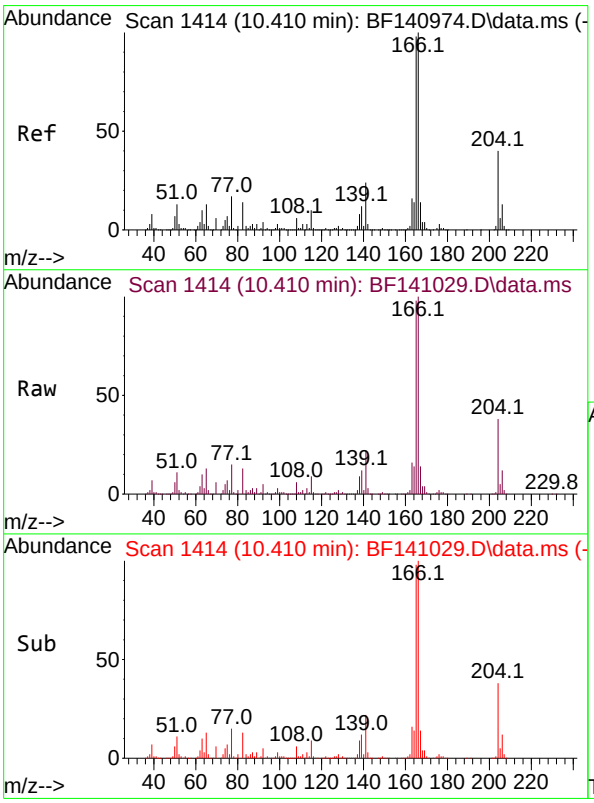
#57
2,4-Dinitrotoluene
Concen: 48.830 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 489214

Ion	Ratio	Lower	Upper
165	100		
63	45.1	38.1	57.1
89	72.2	61.4	92.2
182	2.8	2.1	3.1

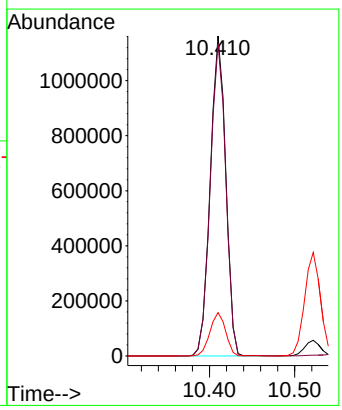


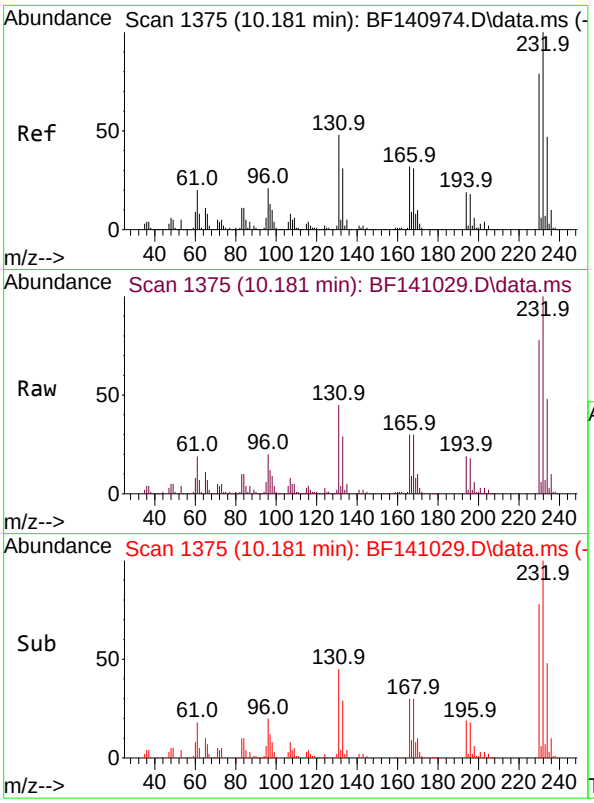


#58
Fluorene
Concen: 38.314 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:166 Resp: 1470217

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.3	117.5
167	13.6	10.9	16.3



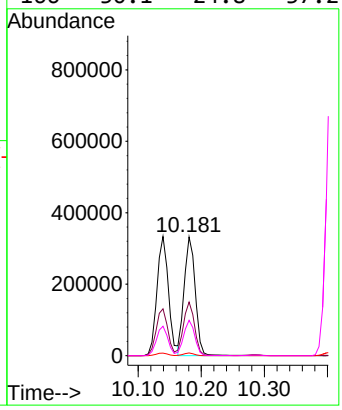


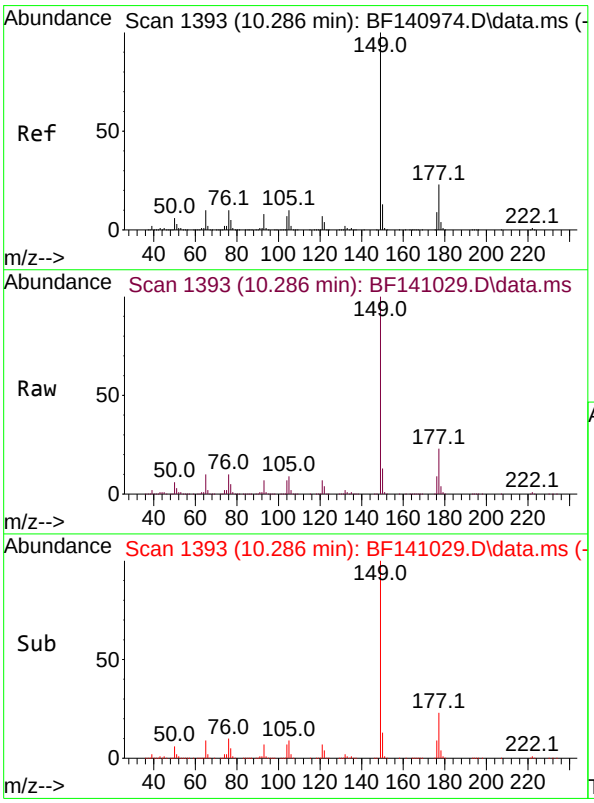
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.980 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 406313

Ion	Ratio	Lower	Upper
232	100		
131	46.0	37.4	56.2
130	2.3	1.8	2.8
166	30.1	24.8	37.2

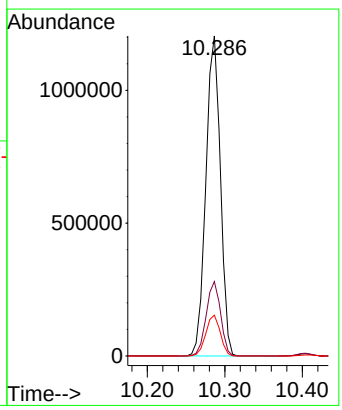


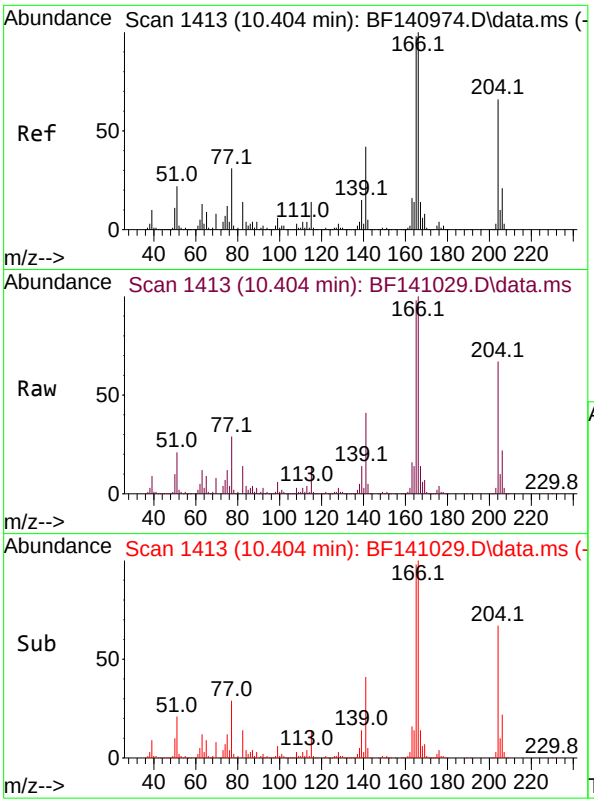


#60
Diethylphthalate
Concen: 39.547 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:149 Resp: 1564645

Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.3	27.5
150	12.8	10.4	15.6



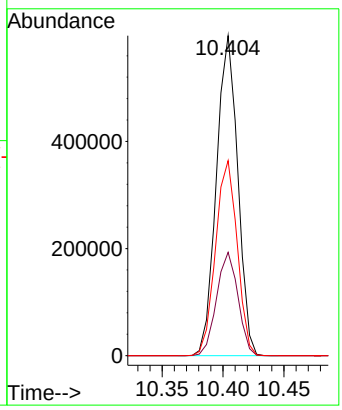


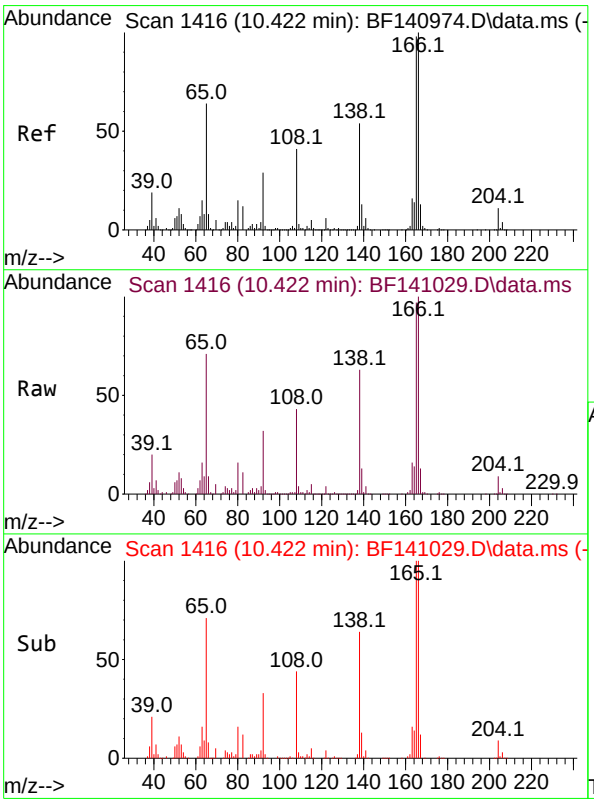
#61
4-Chlorophenyl-phenylether
Concen: 39.586 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 730936

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.8	38.6
141	61.0	51.2	76.8

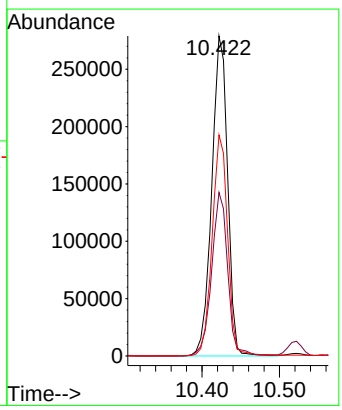


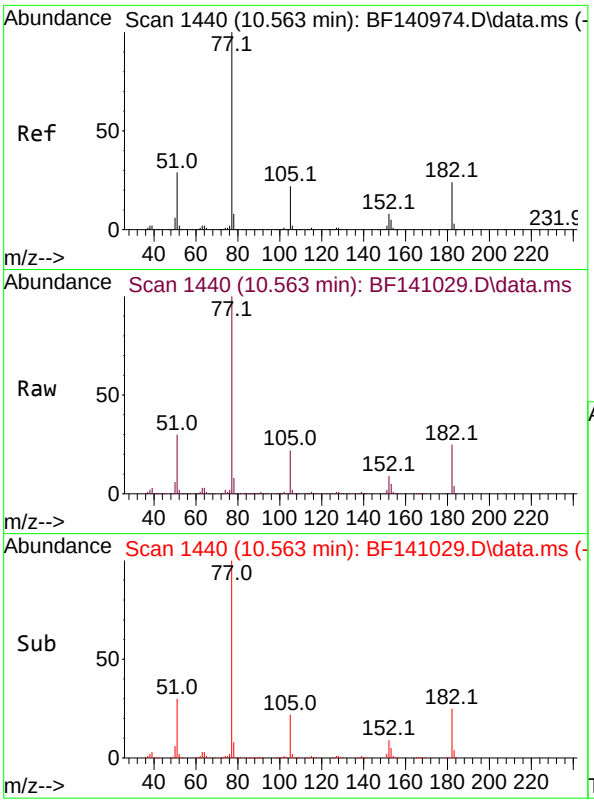


#62
4-Nitroaniline
Concen: 44.881 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:138 Resp: 396442

Ion	Ratio	Lower	Upper
138	100		
92	51.1	34.8	74.8
108	69.0	55.9	95.9



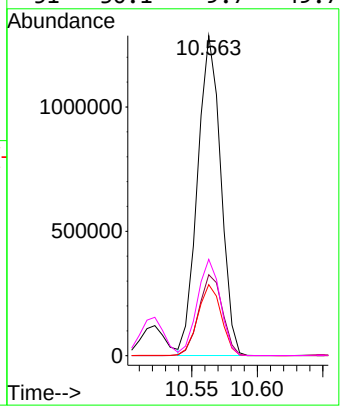


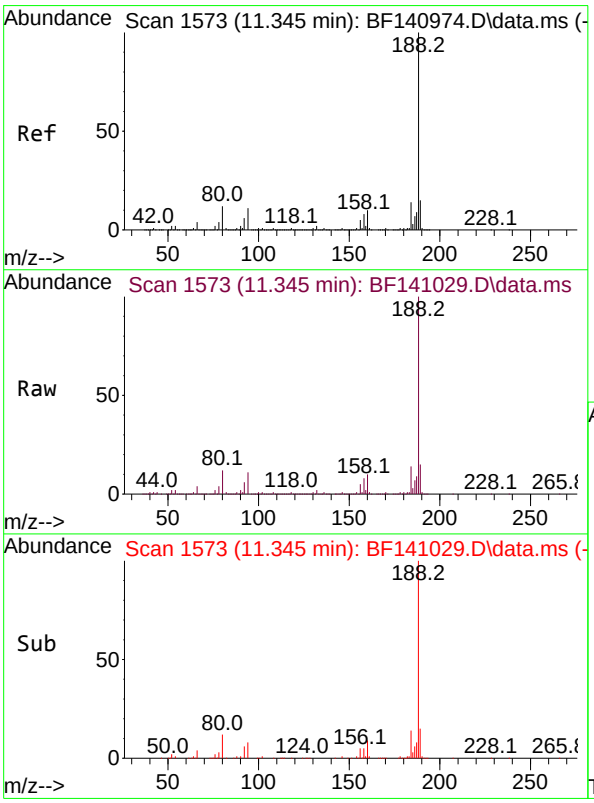
#63
Azobenzene
Concen: 38.226 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1587426

Ion	Ratio	Lower	Upper
77	100		
182	25.3	4.1	44.1
105	22.2	1.8	41.8
51	30.1	9.7	49.7

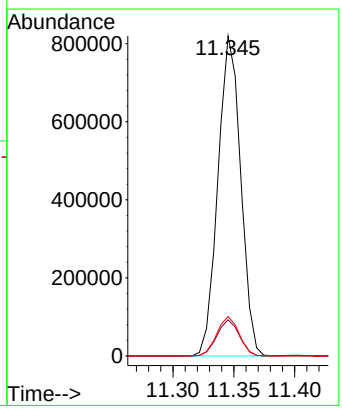


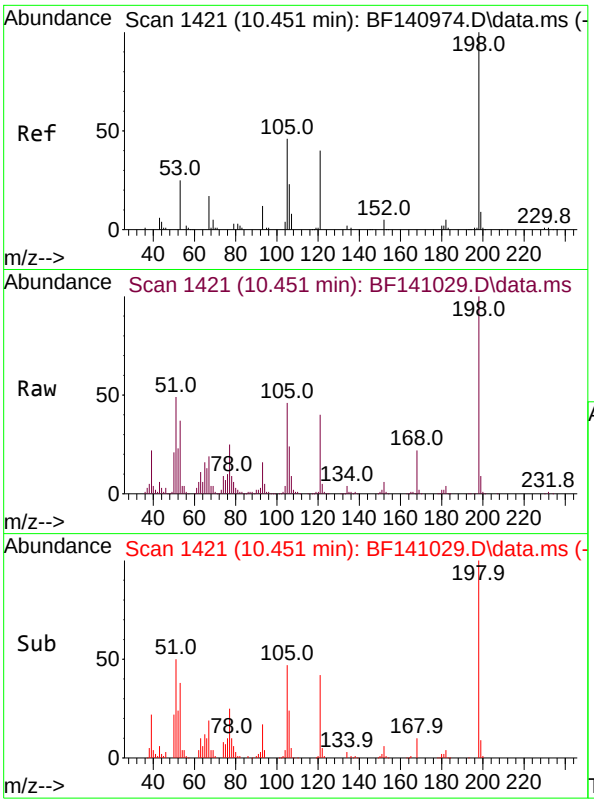


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:188 Resp: 1065590

Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.0	13.6
80	12.3	9.8	14.6



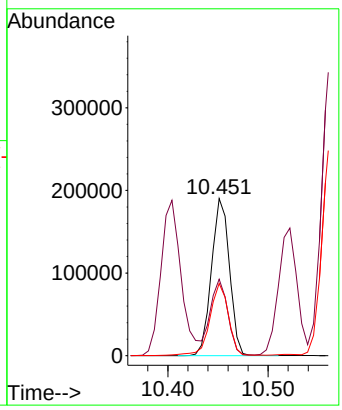


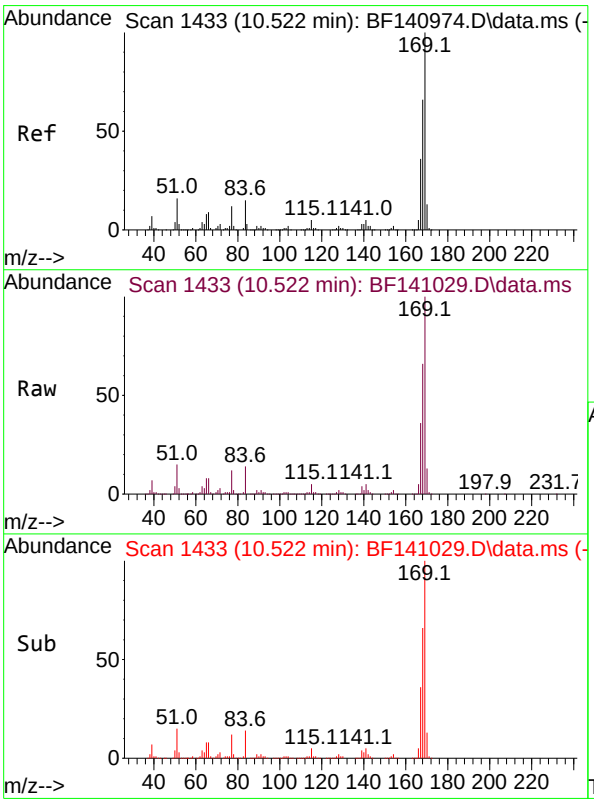
#65
4,6-Dinitro-2-methylphenol
Concen: 54.129 ng
RT: 10.451 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 236268

Ion	Ratio	Lower	Upper
198	100		
51	48.7	32.3	72.3
105	45.9	28.4	68.4

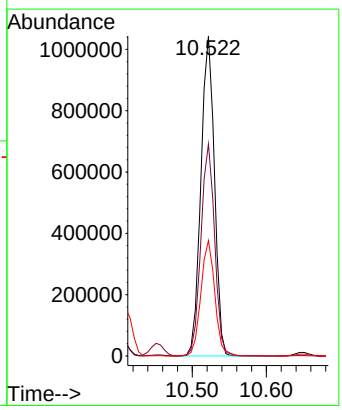


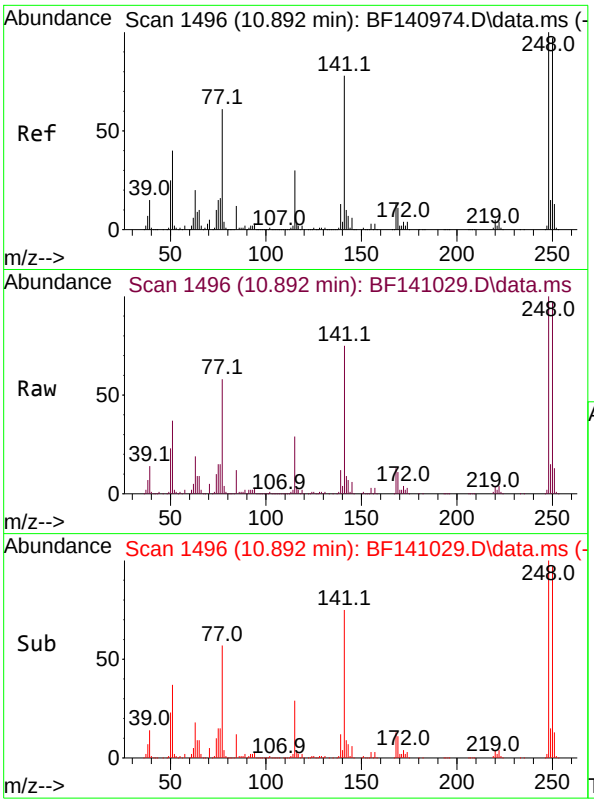


#66
n-Nitrosodiphenylamine
Concen: 39.490 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:169 Resp: 1325092

Ion	Ratio	Lower	Upper
169	100		
168	66.2	52.6	79.0
167	36.0	29.0	43.4



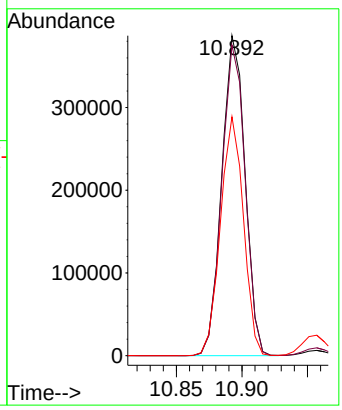


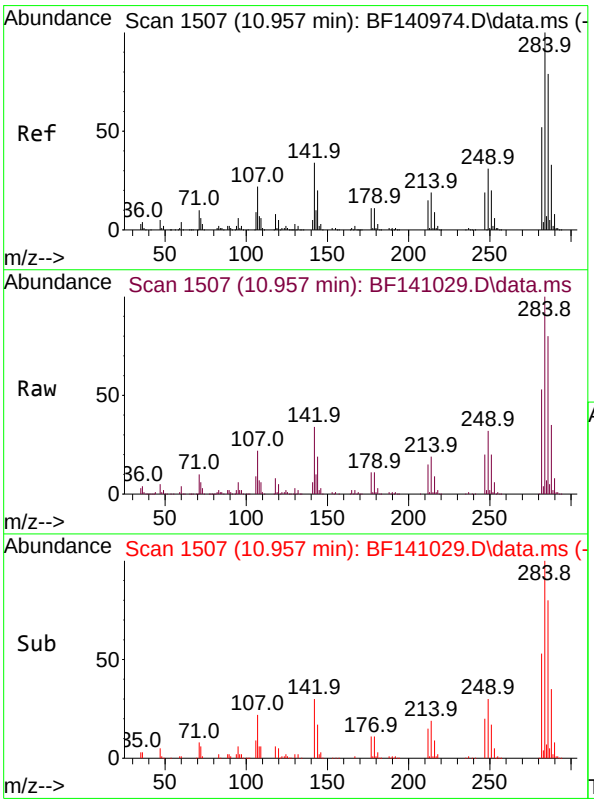
#67
4-Bromophenyl-phenylether
Concen: 41.497 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 478012

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.7	116.5
141	74.7	62.1	93.1

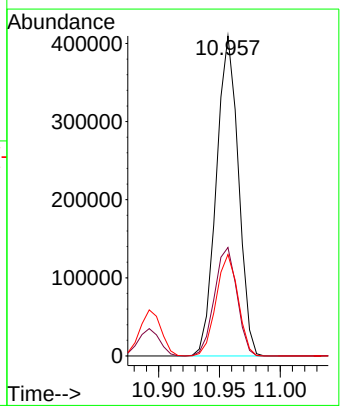


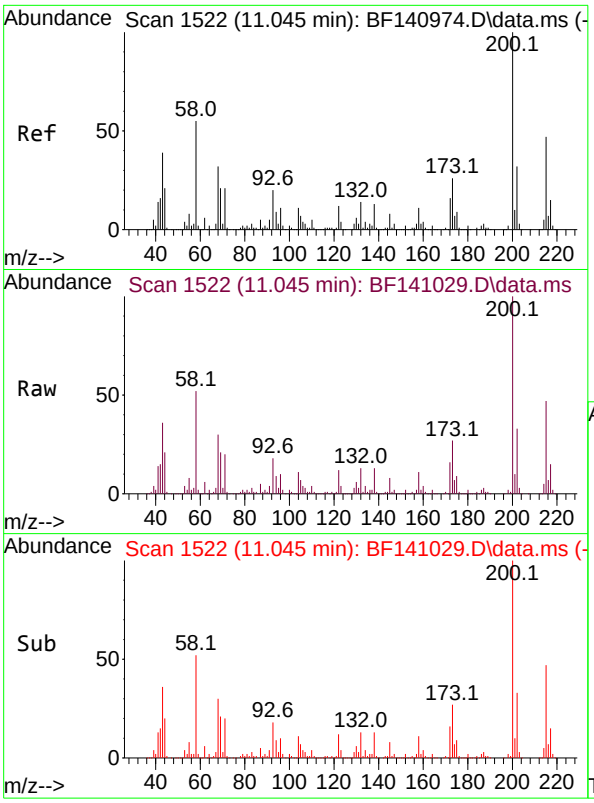


#68
Hexachlorobenzene
Concen: 40.698 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:284 Resp: 516930

Ion	Ratio	Lower	Upper
284	100		
142	33.9	27.1	40.7
249	31.7	25.1	37.7



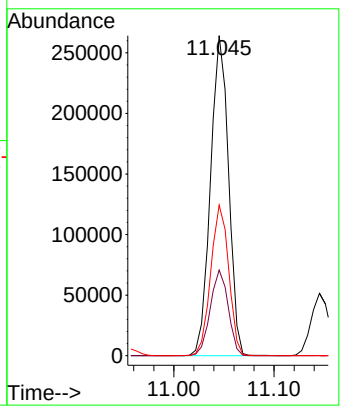


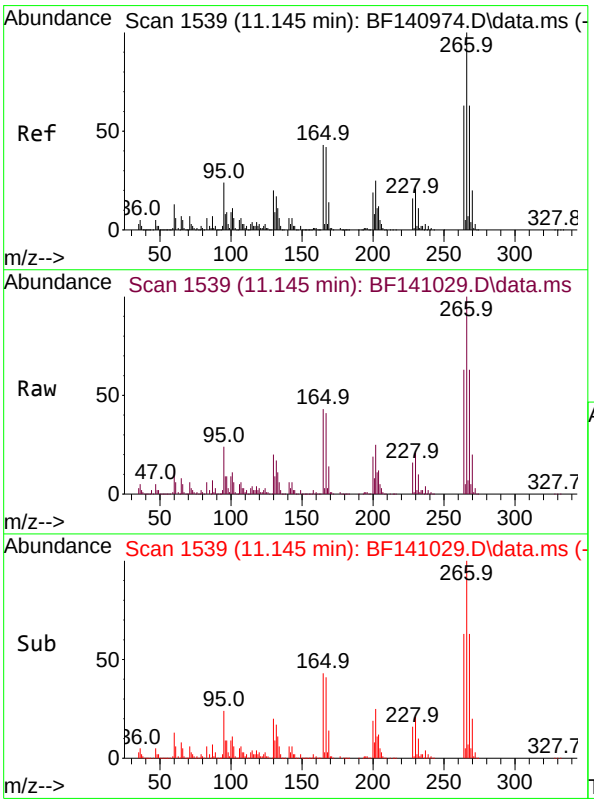
#69
Atrazine
Concen: 35.263 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 330562

Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.4	46.4
215	47.1	27.2	67.2

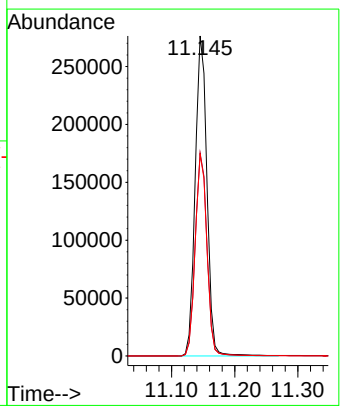


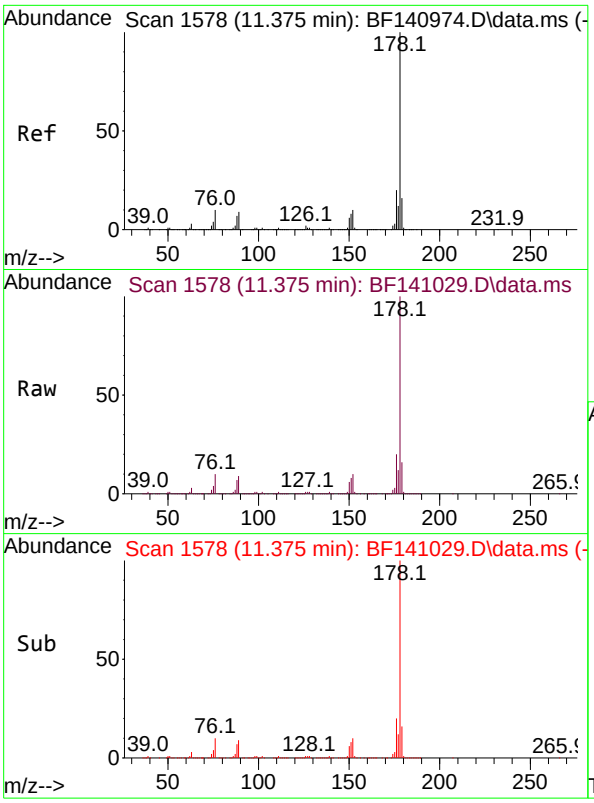


#70
Pentachlorophenol
Concen: 45.100 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:266 Resp: 356661

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.5	75.7
264	63.0	50.2	75.4



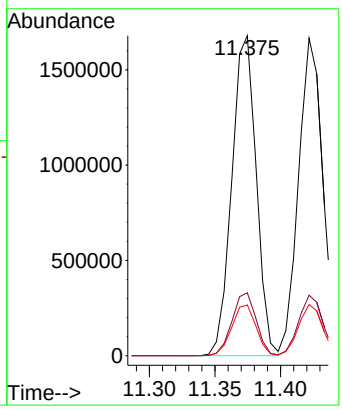


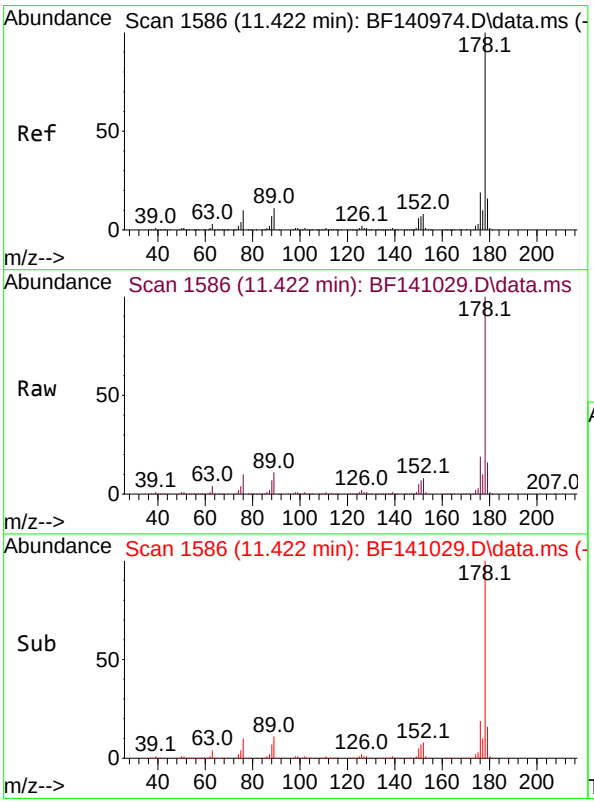
#71
Phenanthrene
Concen: 38.897 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 2181435

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	15.8	12.6	19.0

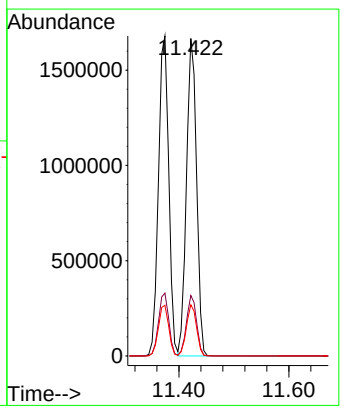


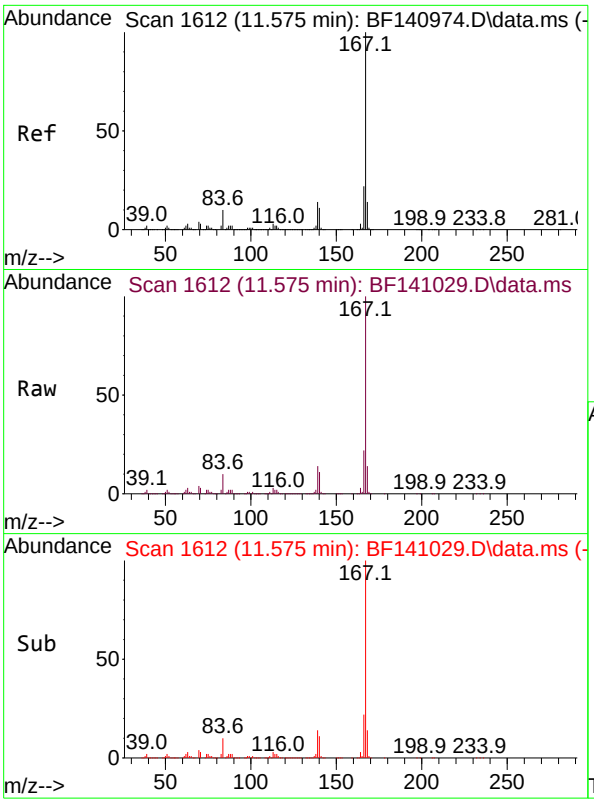


#72
Anthracene
Concen: 38.671 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:178 Resp: 2125135

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	16.1	12.9	19.3



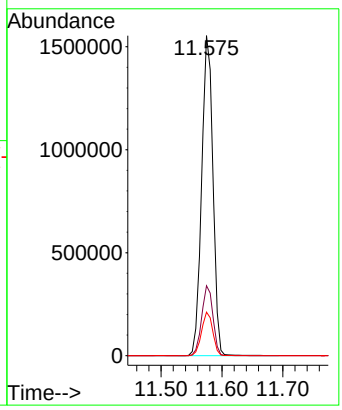


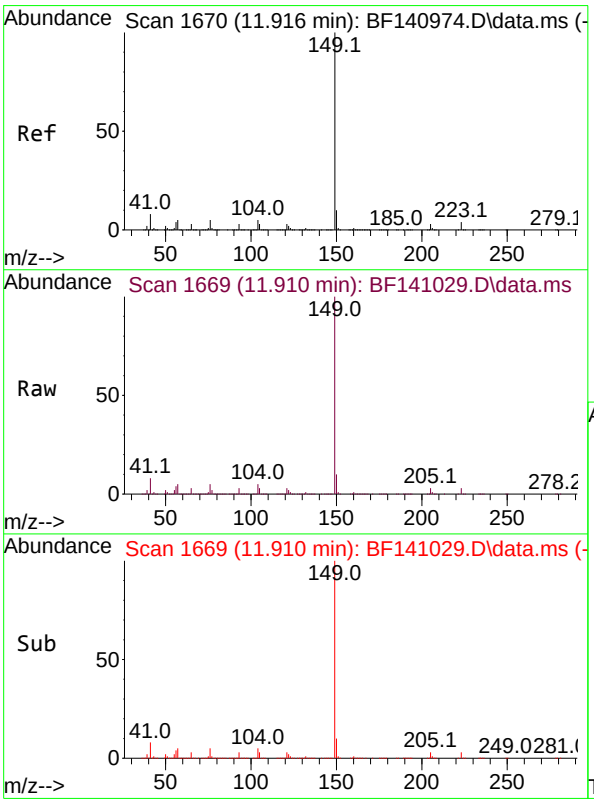
#73
Carbazole
Concen: 37.922 ng
RT: 11.575 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 2003354

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.5	26.3
139	13.6	11.0	16.4

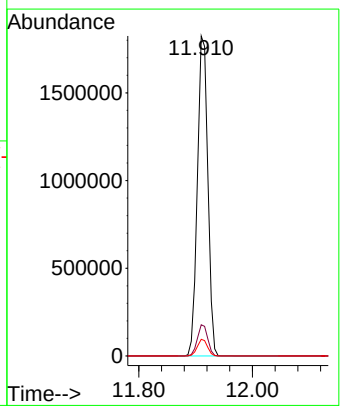


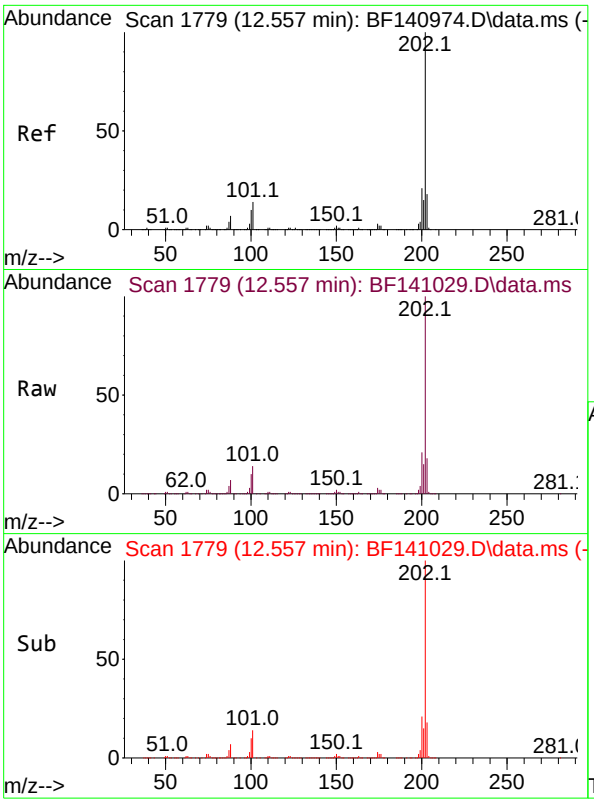


#74
Di-n-butylphthalate
Concen: 38.922 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:149 Resp: 2338693

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.7	11.5
104	5.2	4.1	6.1



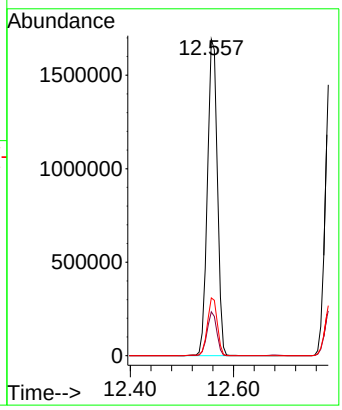


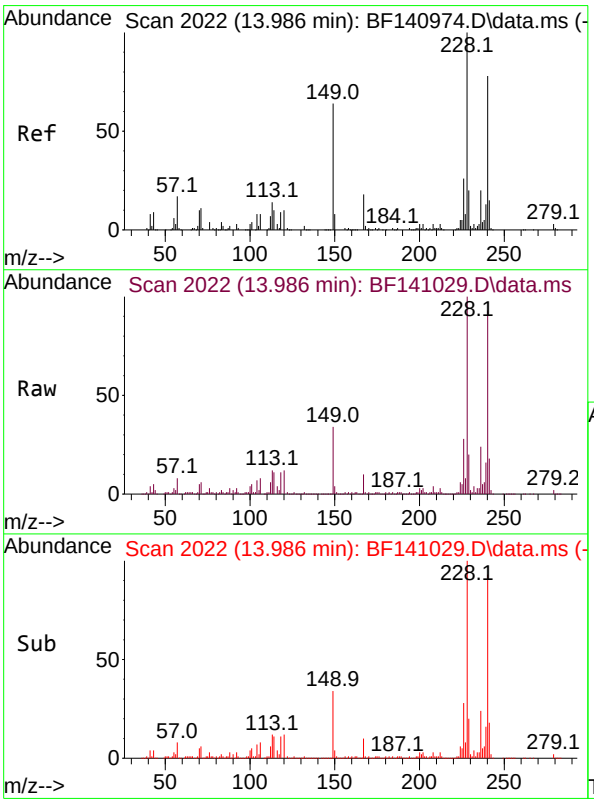
#75
Fluoranthene
Concen: 37.112 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 2257351

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.7
203	18.3	0.0	38.1

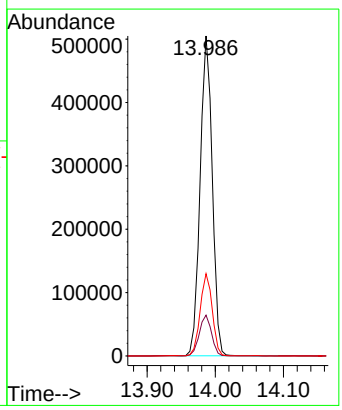


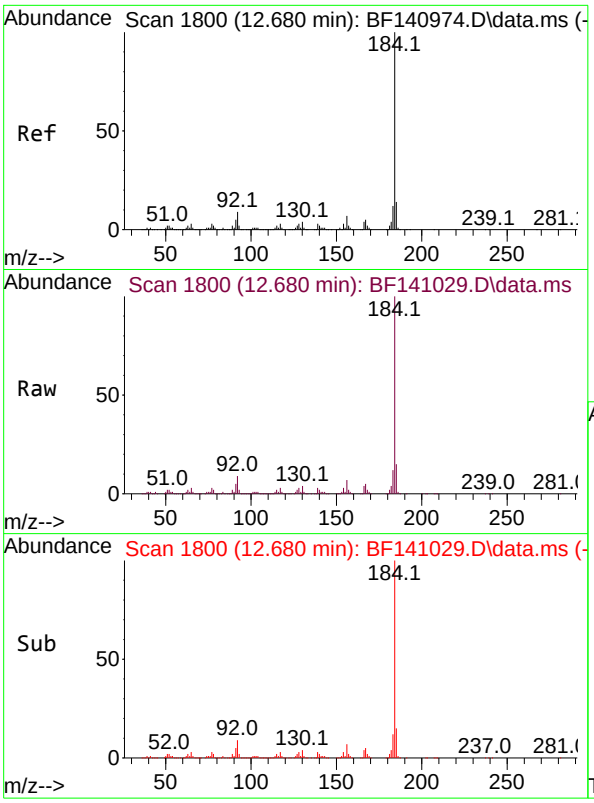


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:240 Resp: 623198

Ion	Ratio	Lower	Upper
240	100		
120	12.7	10.7	16.1
236	25.7	20.6	31.0





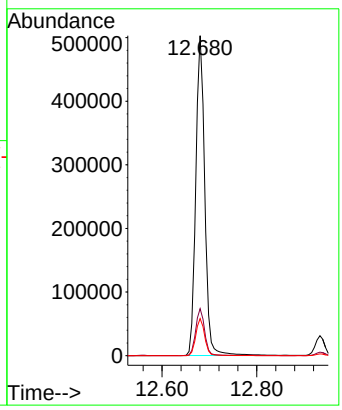
#77
Benzidine
Concen: 50.404 ng
RT: 12.680 min Scan# 1

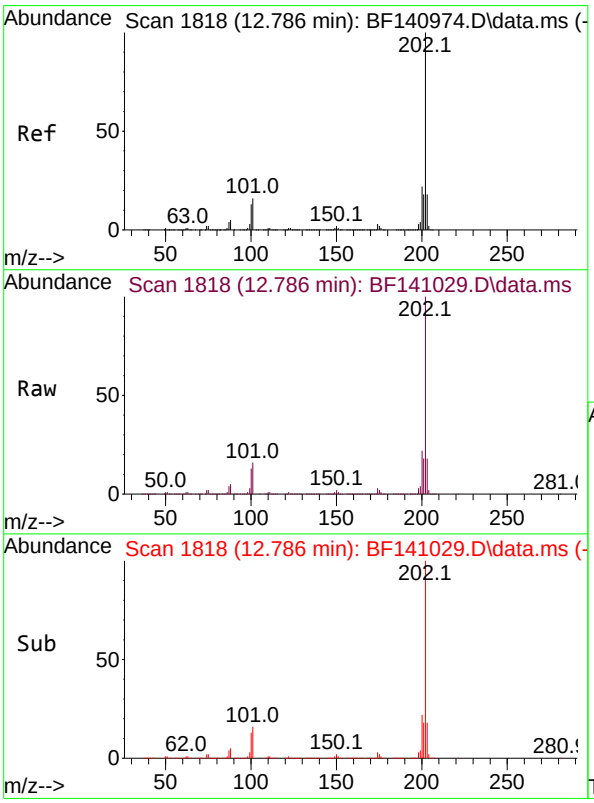
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:184 Resp: 663851

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.4	17.2
183	11.6	9.4	14.0

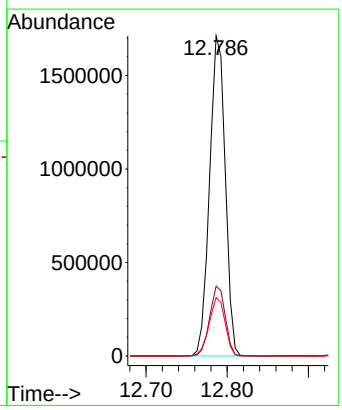


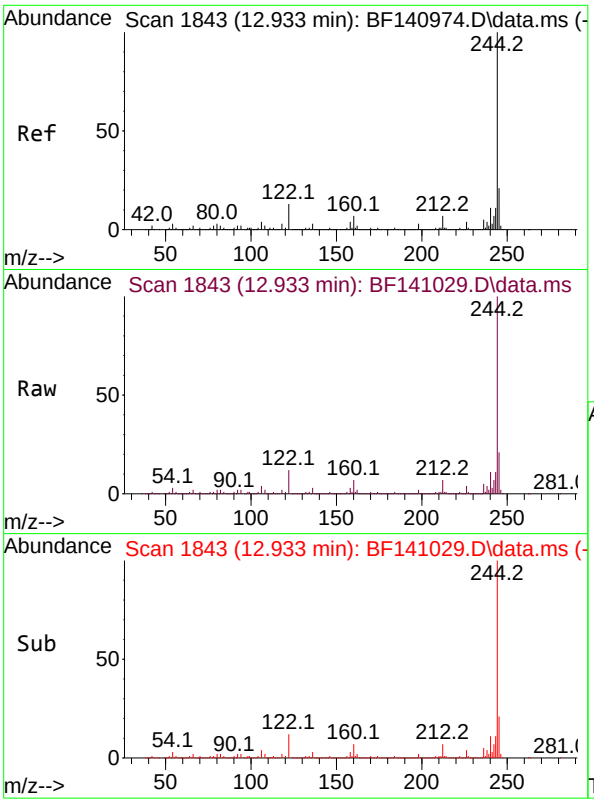


#78
Pyrene
Concen: 42.030 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:202 Resp: 2290800

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.3	25.9
203	18.2	14.6	21.8



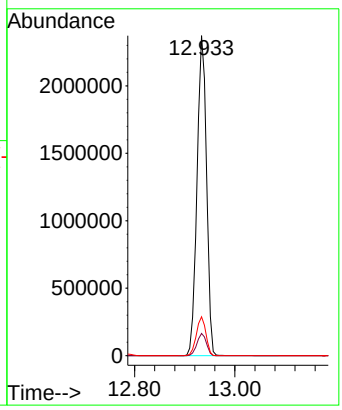


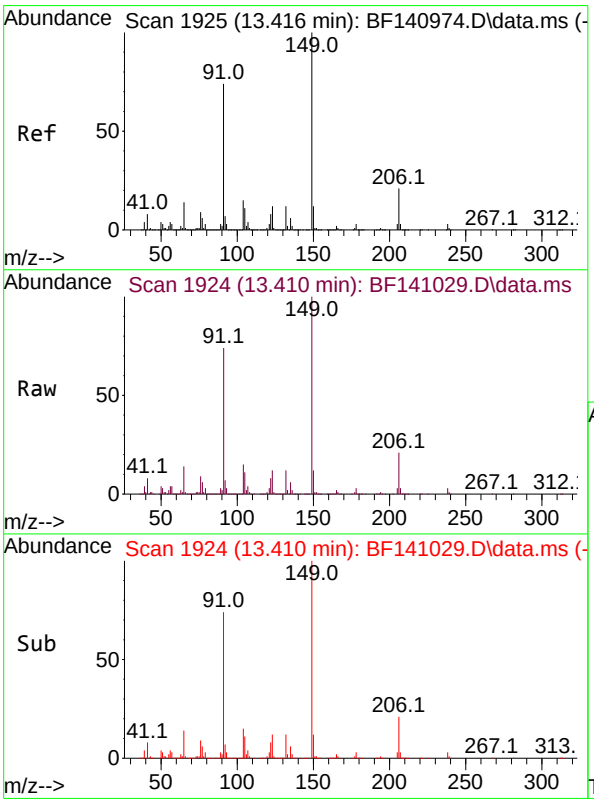
#79
Terphenyl-d14
Concen: 83.023 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 3115001

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	12.2	10.2	15.2

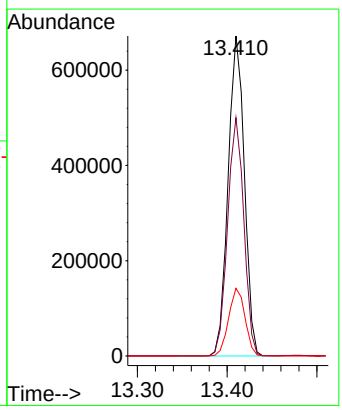


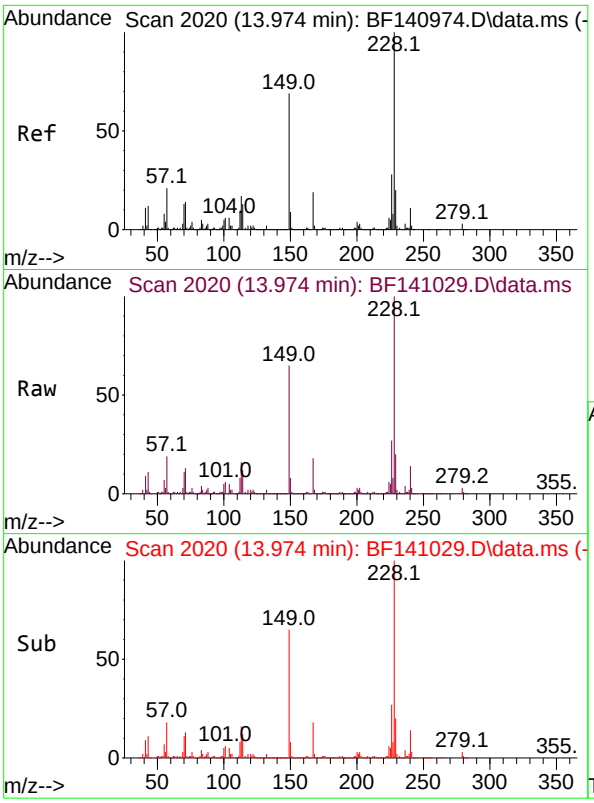


#80
Butylbenzylphthalate
Concen: 42.487 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:149 Resp: 845578

Ion	Ratio	Lower	Upper
149	100		
91	74.5	59.5	89.3
206	21.2	17.1	25.7



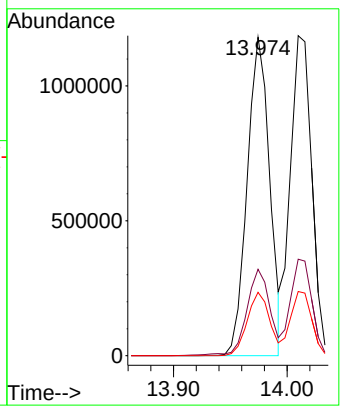


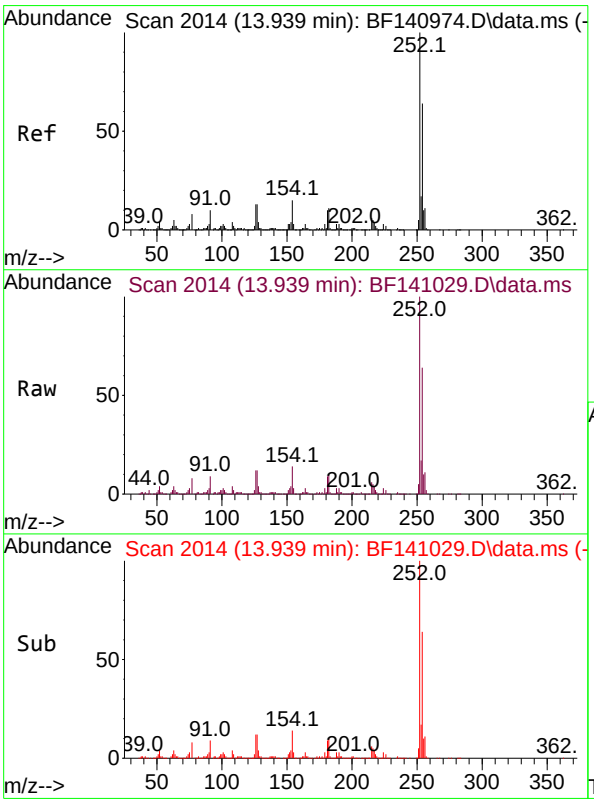
#81
Benzo(a)anthracene
Concen: 37.370 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 1623099

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.9	16.2	24.2

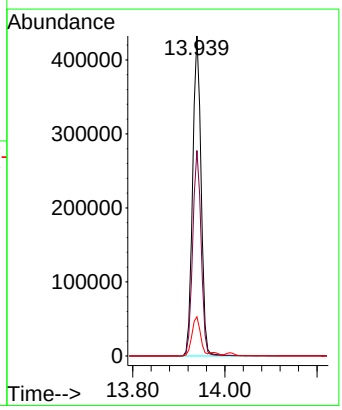


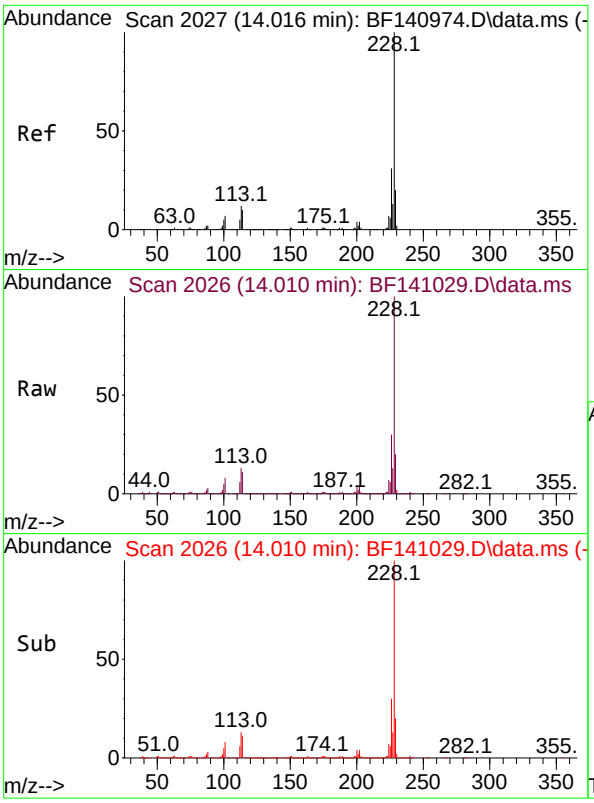


#82
3,3'-Dichlorobenzidine
Concen: 41.990 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:252 Resp: 547949

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.5	77.3
126	12.3	10.3	15.5



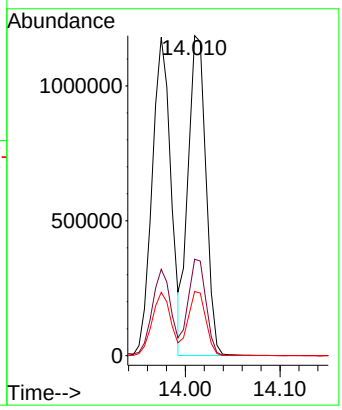


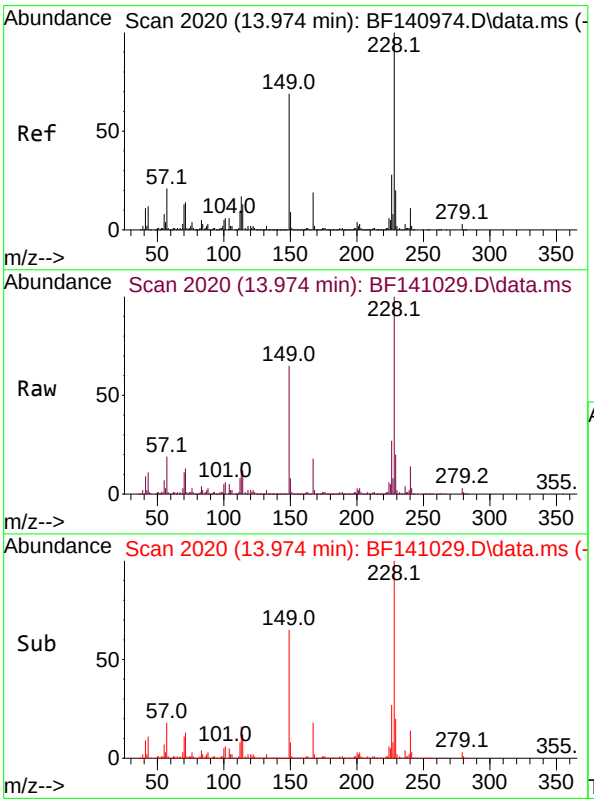
#83
Chrysene
Concen: 39.792 ng
RT: 14.010 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 1558001

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.5	36.7
229	20.1	16.2	24.4

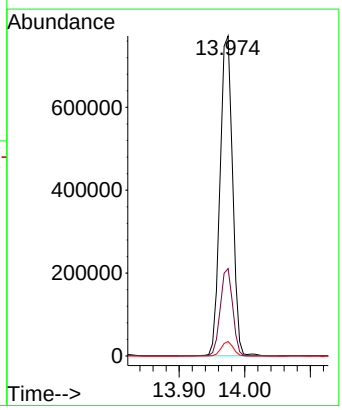


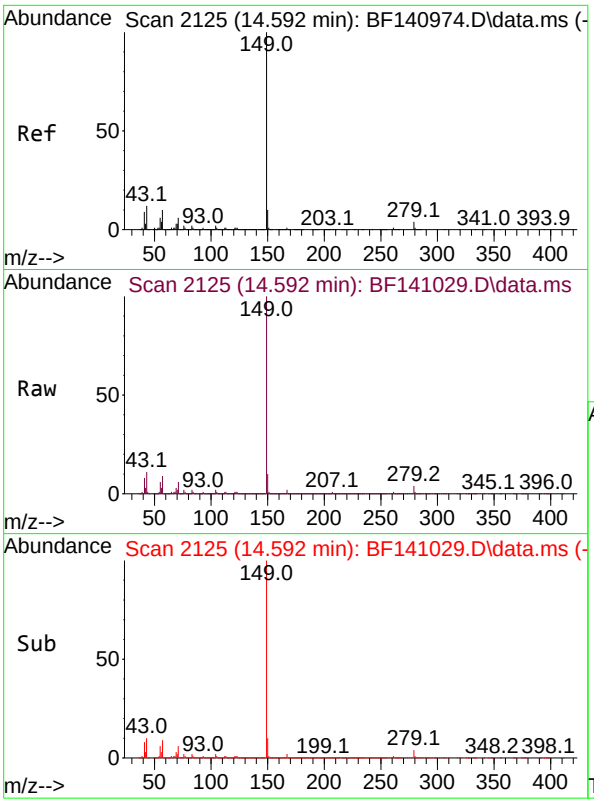


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.433 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:149 Resp: 1017994

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.6	32.4
279	4.5	3.2	4.8



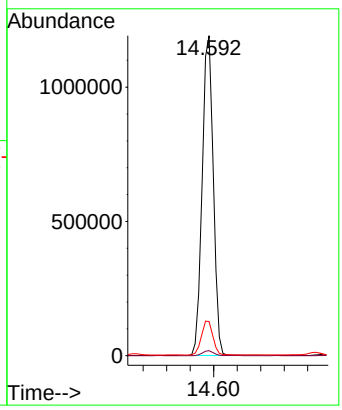


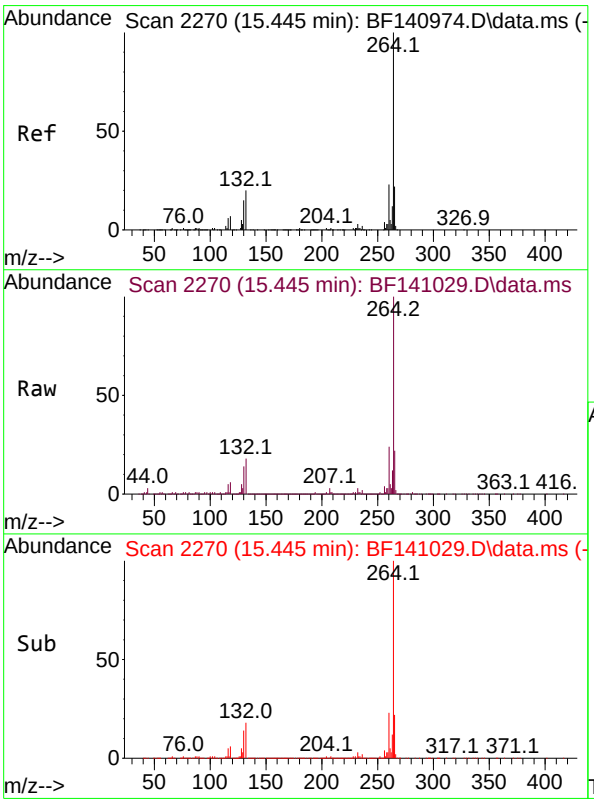
#85
Di-n-octyl phthalate
Concen: 41.962 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 1567883

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.9	9.3	13.9

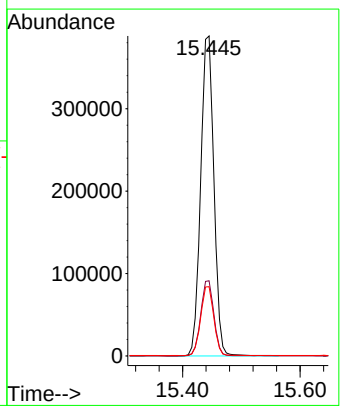


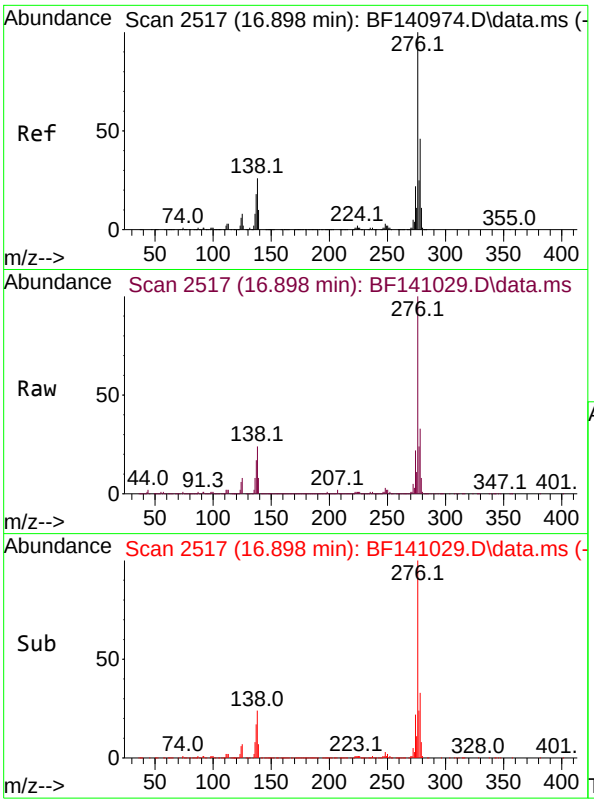


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:264 Resp: 605504

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.6	17.4	26.2



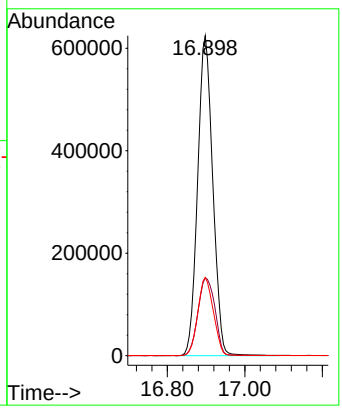


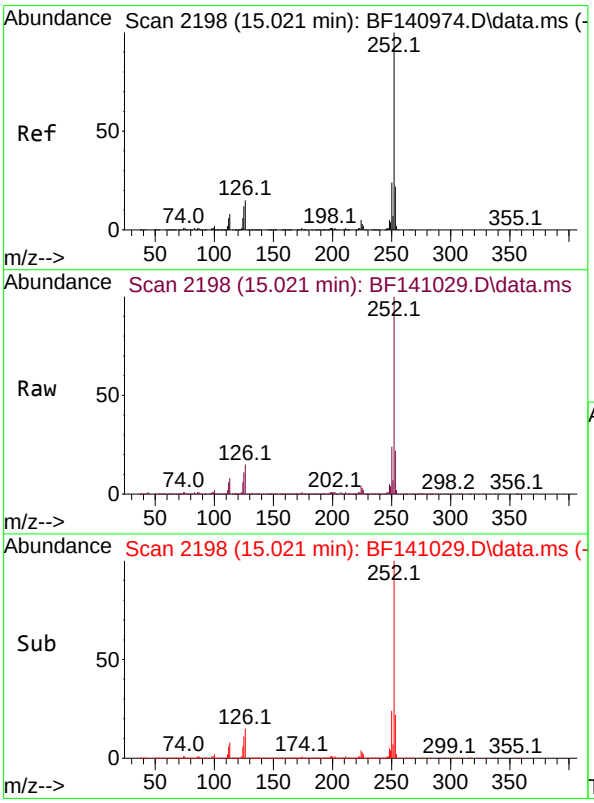
#87
Indeno(1,2,3-cd)pyrene
Concen: 44.322 ng
RT: 16.898 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 1690798

Ion	Ratio	Lower	Upper
276	100		
138	27.2	23.1	34.7
277	25.1	20.4	30.6

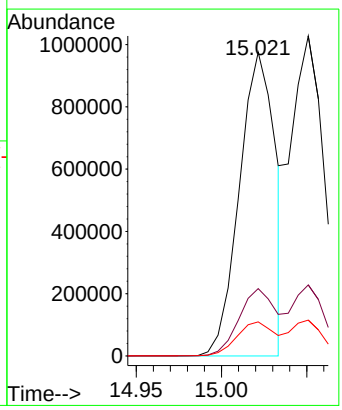


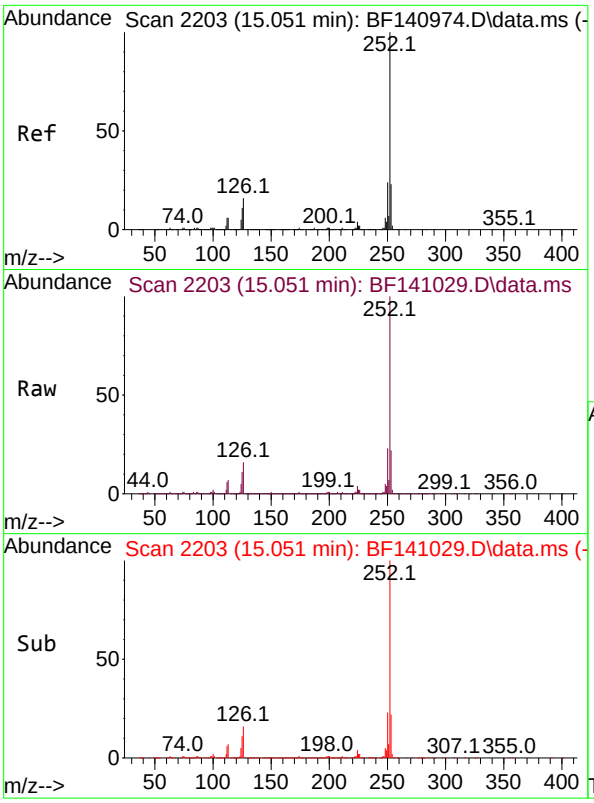


#88
Benzo(b)fluoranthene
Concen: 33.800 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:252 Resp: 1427375

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.2	9.3	13.9



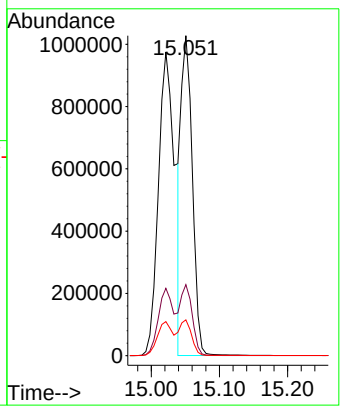


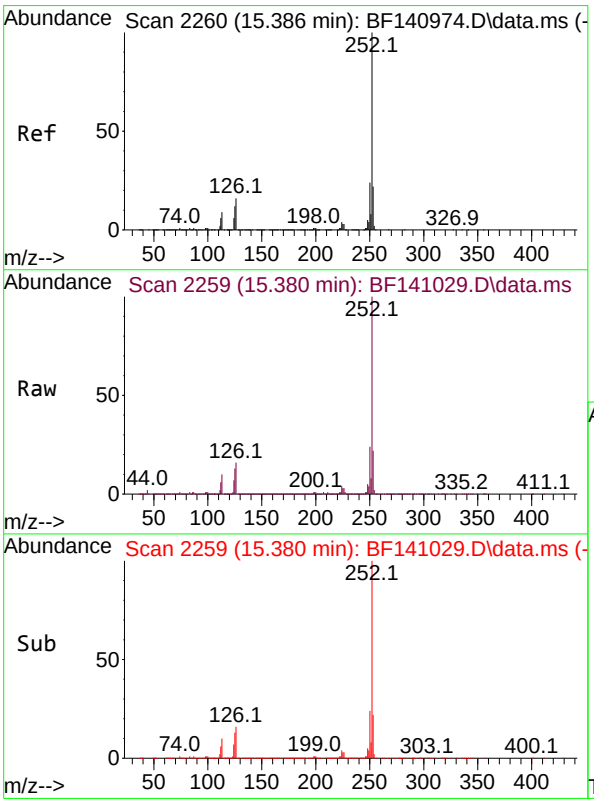
#89
Benzo(k)fluoranthene
Concen: 35.497 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 1174887

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	11.2	9.4	14.0

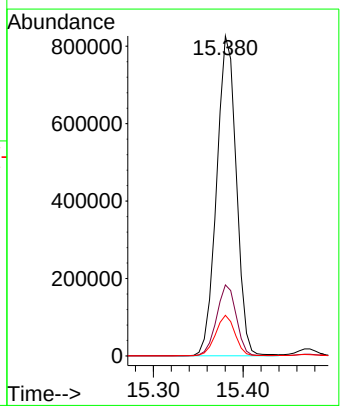


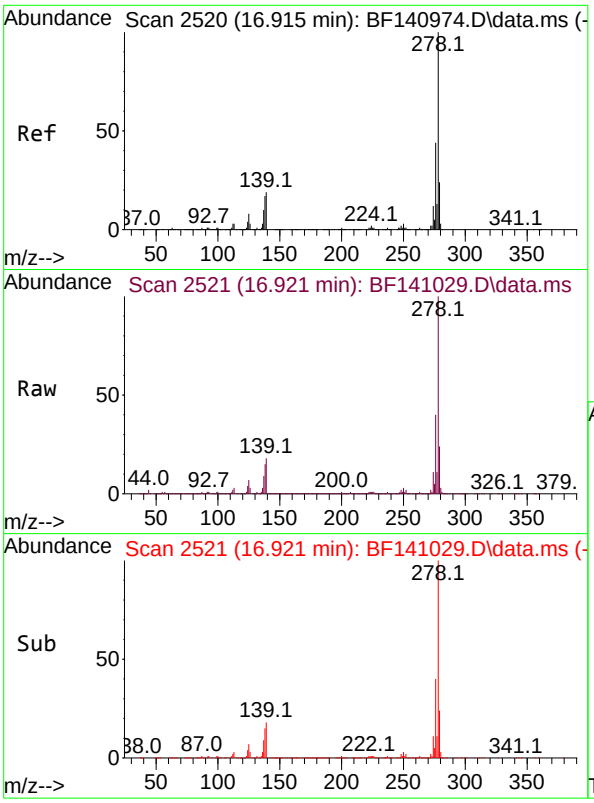


#90
Benzo(a)pyrene
Concen: 38.359 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:252 Resp: 1257324

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	12.7	9.8	14.8



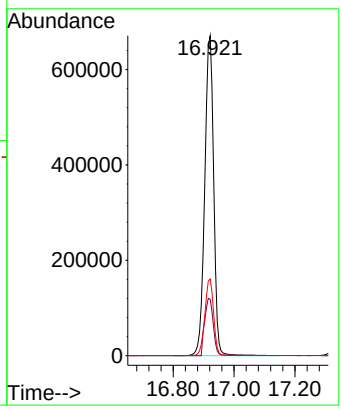


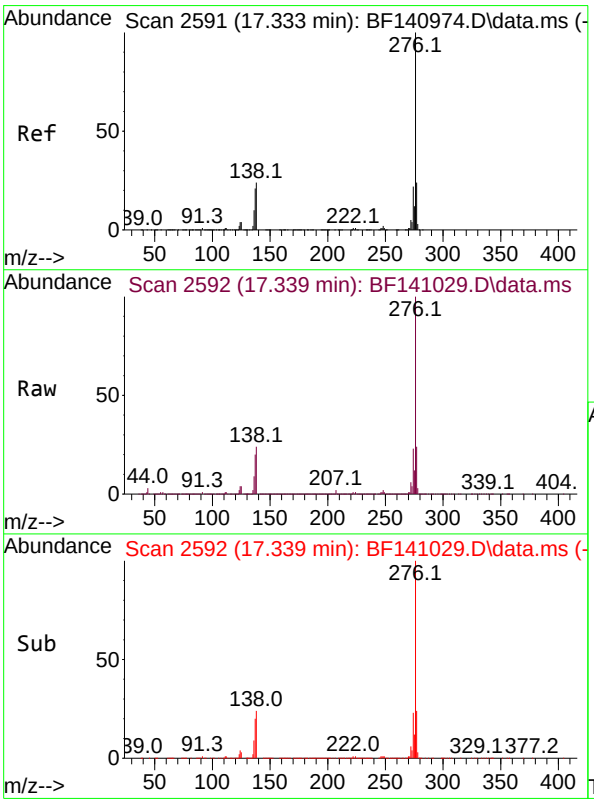
#91
Dibenzo(a,h)anthracene
Concen: 44.305 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 1370047

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.9	22.3
279	24.0	19.0	28.6

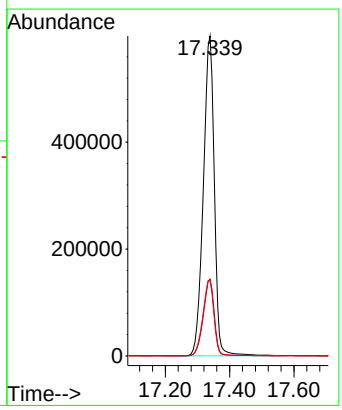




#92
Benzo(g,h,i)perylene
Concen: 44.294 ng
RT: 17.339 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF141029.D
Acq: 30 Dec 2024 14:01

Tgt Ion:276 Resp: 1420650

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	23.5	19.4	29.2



Sample Results: **BF141029.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141029.D
Acq On : 30 Dec 2024 14:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 30 14:24:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00
2		1,4-Dioxane	0.601	0.583	3.0	108	0.00
3		Pyridine	1.468	1.491	-1.6	115	0.01
4		n-Nitrosodimethylamine	0.744	0.708	4.8	105	0.01
5	S	2-Fluorophenol	1.327	1.280	3.5	109	0.00
6		Aniline	1.524	1.554	-2.0	106	-0.02
7	S	Phenol-d6	1.709	1.635	4.3	108	0.00
8		2-Chlorophenol	1.399	1.382	1.2	110	0.00
9		Benzaldehyde	0.941	0.960	-2.0	123	0.00
10	C	Phenol	1.767	1.786	-1.1	113	0.00
11		bis(2-Chloroethyl)ether	1.427	1.351	5.3	110	0.00
12		1,3-Dichlorobenzene	1.544	1.518	1.7	111	0.00
13	C	1,4-Dichlorobenzene	1.556	1.516	2.6	110	0.00
14		1,2-Dichlorobenzene	1.451	1.413	2.6	110	0.00
15		Benzyl Alcohol	1.228	1.185	3.5	107	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	2.016	6.6	106	0.00
17		2-Methylphenol	1.162	1.125	3.2	108	0.00
18		Hexachloroethane	0.553	0.558	-0.9	113	0.00
19	P	n-Nitroso-di-n-propylamine	1.047	0.981	6.3	108	0.00
20		3+4-Methylphenols	1.471	1.421	3.4	108	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	110	0.00
22		Acetophenone	0.491	0.454	7.5	106	0.00
23	S	Nitrobenzene-d5	0.313	0.362	-15.7	122	0.00
24		Nitrobenzene	0.349	0.382	-9.5	115	0.00
25		Isophorone	0.680	0.649	4.6	109	0.00
26	C	2-Nitrophenol	0.118	0.174	-47.5#	151#	0.00
27		2,4-Dimethylphenol	0.249	0.243	2.4	110	0.00
28		bis(2-Chloroethoxy)methane	0.431	0.412	4.4	109	0.00
29	C	2,4-Dichlorophenol	0.282	0.283	-0.4	112	0.00
30		1,2,4-Trichlorobenzene	0.319	0.312	2.2	110	0.00
31		Naphthalene	1.054	1.001	5.0	108	0.00
32		Benzoic acid	0.178	0.246	-38.2#	152#	0.00
33		4-Chloroaniline	0.381	0.365	4.2	109	0.00
34	C	Hexachlorobutadiene	0.188	0.187	0.5	113	0.00
35		Caprolactam	0.096	0.096	0.0	111	0.00
36	C	4-Chloro-3-methylphenol	0.313	0.305	2.6	109	0.00
37		2-Methylnaphthalene	0.674	0.642	4.7	110	0.00
38		1-Methylnaphthalene	0.663	0.633	4.5	109	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	110	0.00
40		1,2,4,5-Tetrachlorobenzene	0.550	0.548	0.4	112	0.00
41	P	Hexachlorocyclopentadiene	0.182	0.199	-9.3	117	0.00
42	S	2,4,6-Tribromophenol	0.194	0.217	-11.9	121	0.00
43	C	2,4,6-Trichlorophenol	0.366	0.376	-2.7	113	0.00
44		2,4,5-Trichlorophenol	0.375	0.407	-8.5	118	0.00
45	S	2-Fluorobiphenyl	1.255	1.177	6.2	110	0.00
46		1,1'-Biphenyl	1.531	1.482	3.2	110	0.00
47		2-Chloronaphthalene	1.188	1.164	2.0	112	0.00

Sample Results: **BF141029.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141029.D
Acq On : 30 Dec 2024 14:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 30 14:24:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.259	0.357	-37.8#	136	0.00
49		Acenaphthylene	1.710	1.669	2.4	111	0.00
50		Dimethylphthalate	1.316	1.302	1.1	111	0.00
51		2,6-Dinitrotoluene	0.231	0.308	-33.3#	132	0.00
52	C	Acenaphthene	1.156	1.149	0.6	113	0.00
53		3-Nitroaniline	0.255	0.324	-27.1#	126	0.00
54	P	2,4-Dinitrophenol	0.075	0.131	-74.7#	199#	0.00
55		Dibenzofuran	1.624	1.586	2.3	111	0.00
56	P	4-Nitrophenol	0.225	0.267	-18.7	128	0.00
57		2,4-Dinitrotoluene	0.273	0.401	-46.9#	142	0.00
58		Fluorene	1.260	1.207	4.2	111	0.00
59		2,3,4,6-Tetrachlorophenol	0.310	0.333	-7.4	117	0.00
60		Diethylphthalate	1.299	1.284	1.2	111	0.00
61		4-Chlorophenyl-phenylether	0.606	0.600	1.0	114	0.00
62		4-Nitroaniline	0.255	0.325	-27.5#	128	0.00
63		Azobenzene	1.363	1.303	4.4	108	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	0.067	0.111	-65.7#	181#	0.00
66	c	n-Nitrosodiphenylamine	0.630	0.622	1.3	112	0.00
67		4-Bromophenyl-phenylether	0.216	0.224	-3.7	115	0.00
68		Hexachlorobenzene	0.238	0.243	-2.1	114	0.00
69		Atrazine	0.176	0.155	11.9	108	0.00
70	C	Pentachlorophenol	0.148	0.167	-12.8	117	0.00
71		Phenanthrene	1.053	1.024	2.8	111	0.00
72		Anthracene	1.031	0.997	3.3	109	0.00
73		Carbazole	0.992	0.940	5.2	108	0.00
74		Di-n-butylphthalate	1.128	1.097	2.7	110	0.00
75	C	Fluoranthene	1.142	1.059	7.3	105	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	96	0.00
77		Benzidine	0.423	0.533	-26.0#	123	0.00
78		Pyrene	1.749	1.838	-5.1	104	0.00
79	S	Terphenyl-d14	1.204	1.250	-3.8	105	0.00
80		Butylbenzylphthalate	0.639	0.678	-6.1	99	0.00
81		Benzo(a)anthracene	1.394	1.302	6.6	91	0.00
82		3,3'-Dichlorobenzidine	0.419	0.440	-5.0	104	0.00
83		Chrysene	1.257	1.250	0.6	99	0.00
84		Bis(2-ethylhexyl)phthalate	0.828	0.817	1.3	95	0.00
85	c	Di-n-octyl phthalate	1.199	1.258	-4.9	100	0.00
86	I	Perylene-d12	1.000	1.000	0.0	114	0.00
87		Indeno(1,2,3-cd)pyrene	1.260	1.396	-10.8	121	0.00
88		Benzo(b)fluoranthene	1.395	1.179	15.5	95	0.00
89		Benzo(k)fluoranthene	1.093	0.970	11.3	104	0.00
90	C	Benzo(a)pyrene	1.083	1.038	4.2	111	0.00
91		Dibenzo(a,h)anthracene	1.021	1.131	-10.8	120	0.00
92		Benzo(g,h,i)perylene	1.059	1.173	-10.8	119	0.00

Sample Results: **BF141029.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141029.D
Acq On : 30 Dec 2024 14:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 30 14:24:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BF141029.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141029.D
Acq On : 30 Dec 2024 14:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 30 14:24:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	111	0.00
2		1,4-Dioxane	40.000	38.789	3.0	108	0.00
3		Pyridine	40.000	40.629	-1.6	115	0.01
4		n-Nitrosodimethylamine	40.000	38.048	4.9	105	0.01
5	S	2-Fluorophenol	80.000	77.177	3.5	109	0.00
6		Aniline	40.000	40.779	-1.9	106	-0.02
7	S	Phenol-d6	80.000	76.549	4.3	108	0.00
8		2-Chlorophenol	40.000	39.527	1.2	110	0.00
9		Benzaldehyde	40.000	47.497	-18.7	123	0.00
10	C	Phenol	40.000	40.429	-1.1	113	0.00
11		bis(2-Chloroethyl)ether	40.000	37.878	5.3	110	0.00
12		1,3-Dichlorobenzene	40.000	39.328	1.7	111	0.00
13	C	1,4-Dichlorobenzene	40.000	38.959	2.6	110	0.00
14		1,2-Dichlorobenzene	40.000	38.948	2.6	110	0.00
15		Benzyl Alcohol	40.000	38.586	3.5	107	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.370	6.6	106	0.00
17		2-Methylphenol	40.000	38.715	3.2	108	0.00
18		Hexachloroethane	40.000	40.346	-0.9	113	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.472	6.3	108	0.00
20		3+4-Methylphenols	40.000	38.640	3.4	108	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	110	0.00
22		Acetophenone	40.000	37.049	7.4	106	0.00
23	S	Nitrobenzene-d5	80.000	92.727	-15.9	122	0.00
24		Nitrobenzene	40.000	43.772	-9.4	115	0.00
25		Isophorone	40.000	38.156	4.6	109	0.00
26	C	2-Nitrophenol	40.000	48.653	-21.6#	151	0.00
27		2,4-Dimethylphenol	40.000	39.051	2.4	110	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.200	4.5	109	0.00
29	C	2,4-Dichlorophenol	40.000	40.103	-0.3	112	0.00
30		1,2,4-Trichlorobenzene	40.000	39.068	2.3	110	0.00
31		Naphthalene	40.000	37.986	5.0	108	0.00
32		Benzoic acid	40.000	48.102	-20.3	152	0.00
33		4-Chloroaniline	40.000	38.257	4.4	109	0.00
34	C	Hexachlorobutadiene	40.000	39.741	0.6	113	0.00
35		Caprolactam	40.000	39.954	0.1	111	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.974	2.6	109	0.00
37		2-Methylnaphthalene	40.000	38.107	4.7	110	0.00
38		1-Methylnaphthalene	40.000	38.192	4.5	109	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	110	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.826	0.4	112	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.761	-9.4	117	0.00
42	S	2,4,6-Tribromophenol	80.000	89.355	-11.7	121	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.091	-2.7	113	0.00
44		2,4,5-Trichlorophenol	40.000	43.449	-8.6	118	0.00
45	S	2-Fluorobiphenyl	80.000	75.039	6.2	110	0.00
46		1,1'-Biphenyl	40.000	38.716	3.2	110	0.00
47		2-Chloronaphthalene	40.000	39.196	2.0	112	0.00

Sample Results: **BF141029.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141029.D
Acq On : 30 Dec 2024 14:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 30 14:24:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	46.182	-15.5	136	0.00
49		Acenaphthylene	40.000	39.042	2.4	111	0.00
50		Dimethylphthalate	40.000	39.574	1.1	111	0.00
51		2,6-Dinitrotoluene	40.000	46.066	-15.2	132	0.00
52	C	Acenaphthene	40.000	39.775	0.6	113	0.00
53		3-Nitroaniline	40.000	44.673	-11.7	126	0.00
54	P	2,4-Dinitrophenol	40.000	57.337	-43.3#	199	0.00
55		Dibenzofuran	40.000	39.055	2.4	111	0.00
56	P	4-Nitrophenol	40.000	47.494	-18.7	128	0.00
57		2,4-Dinitrotoluene	40.000	48.830	-22.1	142	0.00
58		Fluorene	40.000	38.314	4.2	111	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.980	-7.4	117	0.00
60		Diethylphthalate	40.000	39.547	1.1	111	0.00
61		4-Chlorophenyl-phenylether	40.000	39.586	1.0	114	0.00
62		4-Nitroaniline	40.000	44.881	-12.2	128	0.00
63		Azobenzene	40.000	38.226	4.4	108	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	40.000	54.129	-35.3#	181	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.490	1.3	112	0.00
67		4-Bromophenyl-phenylether	40.000	41.497	-3.7	115	0.00
68		Hexachlorobenzene	40.000	40.698	-1.7	114	0.00
69		Atrazine	40.000	35.263	11.8	108	0.00
70	C	Pentachlorophenol	40.000	45.100	-12.8	117	0.00
71		Phenanthrene	40.000	38.897	2.8	111	0.00
72		Anthracene	40.000	38.671	3.3	109	0.00
73		Carbazole	40.000	37.922	5.2	108	0.00
74		Di-n-butylphthalate	40.000	38.922	2.7	110	0.00
75	C	Fluoranthene	40.000	37.112	7.2	105	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	96	0.00
77		Benzidine	40.000	50.404	-26.0#	123	0.00
78		Pyrene	40.000	42.030	-5.1	104	0.00
79	S	Terphenyl-d14	80.000	83.023	-3.8	105	0.00
80		Butylbenzylphthalate	40.000	42.487	-6.2	99	0.00
81		Benzo(a)anthracene	40.000	37.370	6.6	91	0.00
82		3,3'-Dichlorobenzidine	40.000	41.990	-5.0	104	0.00
83		Chrysene	40.000	39.792	0.5	99	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.433	1.4	95	0.00
85	c	Di-n-octyl phthalate	40.000	41.962	-4.9	100	0.00
86	I	Perylene-d12	20.000	20.000	0.0	114	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	44.322	-10.8	121	0.00
88		Benzo(b)fluoranthene	40.000	33.800	15.5	95	0.00
89		Benzo(k)fluoranthene	40.000	35.497	11.3	104	0.00
90	C	Benzo(a)pyrene	40.000	38.359	4.1	111	0.00
91		Dibenzo(a,h)anthracene	40.000	44.305	-10.8	120	0.00
92		Benzo(g,h,i)perylene	40.000	44.294	-10.7	119	0.00

Sample Results: **BF141029.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141029.D
Acq On : 30 Dec 2024 14:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 30 14:24:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG No.: P5380

Instrument ID: BNA_F Calibration Date/Time: 12/31/2024 09:50

Lab File ID: BF141047.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:23 19:25

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.468	1.428		-2.7	
2-Fluorophenol	1.327	1.243		-6.3	
Phenol-d6	1.709	1.580		-7.5	
1,4-Dichlorobenzene	1.556	1.504		-3.3	20.0
2-Methylphenol	1.162	1.106		-4.8	
3+4-Methylphenols	1.471	1.374		-6.6	
Nitrobenzene-d5	0.313	0.363		16.0	
Hexachloroethane	0.553	0.540		-2.4	
Nitrobenzene	0.349	0.386		10.6	
Hexachlorobutadiene	0.188	0.188		0.0	20.0
2,4,6-Trichlorophenol	0.366	0.374		2.2	20.0
2-Fluorobiphenyl	1.255	1.203		-4.1	
2,4,5-Trichlorophenol	0.375	0.410		9.3	
2,4-Dinitrotoluene	0.273	0.404		48.0	
2,4,6-Tribromophenol	0.194	0.219		12.9	
Hexachlorobenzene	0.238	0.242		1.7	
Pentachlorophenol	0.148	0.167		12.8	20.0
Terphenyl-d14	1.204	1.316		9.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141047.D
Acq On : 31 Dec 2024 09:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Dec 31 10:37:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	267957	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1030825	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	541136	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	944319	20.000	ng	0.00
76) Chrysene-d12	13.986	240	516920	20.000	ng	0.00
86) Perylene-d12	15.445	264	521026	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1332201	74.942	ng	0.00
7) Phenol-d6	6.451	99	1693926	73.971	ng	0.00
23) Nitrobenzene-d5	7.392	82	1496248	92.864	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	474848	90.305	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	2603292	76.647	ng	0.00
79) Terphenyl-d14	12.933	244	2720559	87.419	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.552	88	300777	37.373	ng	98
3) Pyridine	3.293	79	765257	38.909	ng	100
4) n-Nitrosodimethylamine	3.246	42	370893	37.219	ng	100
6) Aniline	6.492	93	790836	38.722	ng	99
8) 2-Chlorophenol	6.610	128	726362	38.756	ng	100
9) Benzaldehyde	6.381	77	505724	46.524	ng	98
10) Phenol	6.469	94	920756	38.885	ng	100
11) bis(2-Chloroethyl)ether	6.569	93	686822	35.923	ng	97
12) 1,3-Dichlorobenzene	6.769	146	797977	38.580	ng	99
13) 1,4-Dichlorobenzene	6.845	146	806042	38.657	ng	99
14) 1,2-Dichlorobenzene	6.998	146	743175	38.228	ng	100
15) Benzyl Alcohol	6.969	79	621425	37.763	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1034797	35.789	ng	100
17) 2-Methylphenol	7.075	107	592918	38.080	ng	99
18) Hexachloroethane	7.345	117	289599	39.098	ng	98
19) n-Nitroso-di-n-propyla...	7.245	70	501793	35.768	ng	98
20) 3+4-Methylphenols	7.228	107	736277	37.368	ng	99
22) Acetophenone	7.239	105	934849	36.969	ng	100
24) Nitrobenzene	7.410	77	796552	44.244	ng	97
25) Isophorone	7.651	82	1311982	37.420	ng	100
26) 2-Nitrophenol	7.728	139	365289	49.343	ng	98
27) 2,4-Dimethylphenol	7.757	122	495173	38.644	ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	836421	37.653	ng	99
29) 2,4-Dichlorophenol	7.963	162	584727	40.235	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	647207	39.347	ng	99
31) Naphthalene	8.134	128	2067708	38.067	ng	100
32) Benzoic acid	7.863	122	499690	47.485	ng	98
33) 4-Chloroaniline	8.181	127	745241	37.924	ng	99
34) Hexachlorobutadiene	8.251	225	386661	39.874	ng	99
35) Caprolactam	8.545	113	193086	39.082	ng	96
36) 4-Chloro-3-methylphenol	8.651	107	628876	38.965	ng	99
37) 2-Methylnaphthalene	8.822	142	1334497	38.404	ng	99
38) 1-Methylnaphthalene	8.922	142	1304103	38.186	ng	99
40) 1,2,4,5-Tetrachloroben...	8.986	216	601004	40.370	ng	99
41) Hexachlorocyclopentadiene	8.975	237	221230	44.842	ng	99
43) 2,4,6-Trichlorophenol	9.092	196	405252	40.900	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141047.D
Acq On : 31 Dec 2024 09:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Dec 31 10:37:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	443739	43.770	ng		97
46) 1,1'-Biphenyl	9.286	154	1615794	38.996	ng		99
47) 2-Chloronaphthalene	9.310	162	1259180	39.184	ng		100
48) 2-Nitroaniline	9.404	65	385872	46.103	ng		92
49) Acenaphthylene	9.728	152	1813534	39.203	ng		99
50) Dimethylphthalate	9.586	163	1402578	39.405	ng		100
51) 2,6-Dinitrotoluene	9.645	165	333533	46.104	ng		95
52) Acenaphthene	9.898	154	1267239	40.520	ng		99
53) 3-Nitroaniline	9.810	138	349707	44.551	ng	#	95
54) 2,4-Dinitrophenol	9.916	184	156863	61.568	ng	#	1
55) Dibenzofuran	10.069	168	1704562	38.783	ng		99
56) 4-Nitrophenol	9.963	139	282460	46.391	ng		95
57) 2,4-Dinitrotoluene	10.045	165	437151	49.100	ng		94
58) Fluorene	10.410	166	1308111	38.381	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.180	232	357083	42.528	ng		98
60) Diethylphthalate	10.286	149	1379308	39.252	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	651251	39.712	ng		98
62) 4-Nitroaniline	10.422	138	342558	43.755	ng		95
63) Azobenzene	10.563	77	1391923	37.738	ng		99
65) 4,6-Dinitro-2-methylph...	10.451	198	220410	56.489	ng		97
66) n-Nitrosodiphenylamine	10.522	169	1165374	39.190	ng		100
67) 4-Bromophenyl-phenylether	10.892	248	423670	41.503	ng		98
68) Hexachlorobenzene	10.957	284	456958	40.596	ng		100
69) Atrazine	11.045	200	265890	32.006	ng		99
70) Pentachlorophenol	11.145	266	315683	45.045	ng		99
71) Phenanthrene	11.375	178	1897392	38.177	ng		100
72) Anthracene	11.422	178	1876029	38.522	ng		100
73) Carbazole	11.575	167	1750673	37.394	ng		100
74) Di-n-butylphthalate	11.910	149	2025342	38.035	ng		100
75) Fluoranthene	12.557	202	1953344	36.238	ng		100
77) Benzidine	12.680	184	480734	44.005	ng		99
78) Pyrene	12.786	202	1965413	43.474	ng		100
80) Butylbenzylphthalate	13.410	149	697280	42.239	ng		99
81) Benzo(a)anthracene	13.974	228	1358803	37.717	ng		100
82) 3,3'-Dichlorobenzidine	13.939	252	454247	41.967	ng		100
83) Chrysene	14.010	228	1307395	40.257	ng		100
84) Bis(2-ethylhexyl)phtha...	13.968	149	832280	38.867	ng		100
85) Di-n-octyl phthalate	14.592	149	1252361	40.408	ng		99
87) Indeno(1,2,3-cd)pyrene	16.904	276	1558168	47.468	ng		98
88) Benzo(b)fluoranthene	15.021	252	1334435	36.722	ng		99
89) Benzo(k)fluoranthene	15.051	252	1037087	36.414	ng		99
90) Benzo(a)pyrene	15.386	252	1079136	38.260	ng		99
91) Dibenzo(a,h)anthracene	16.921	278	1257257	47.249	ng		99
92) Benzo(g,h,i)perylene	17.345	276	1320537	47.848	ng		99

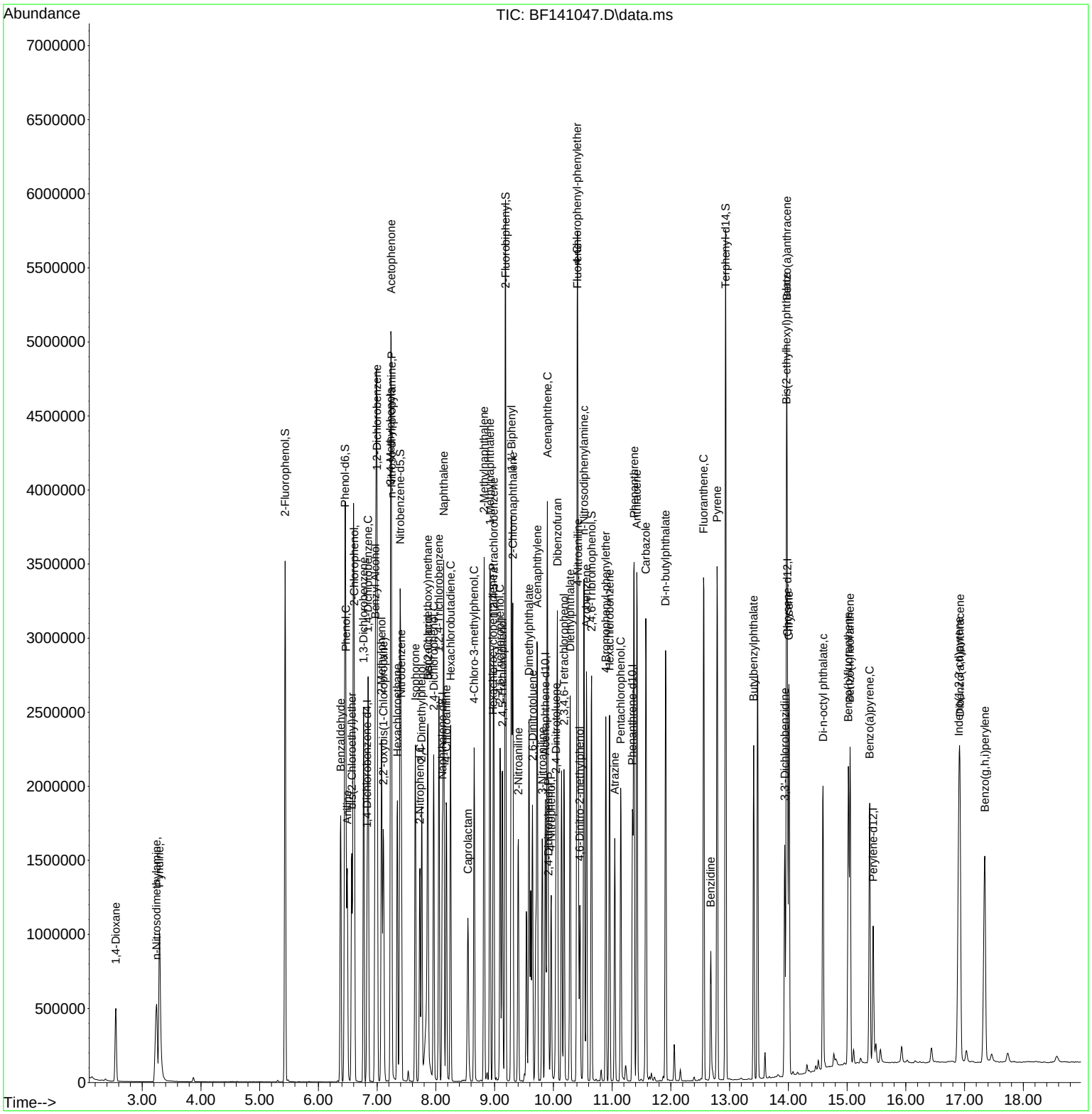
(#) = qualifier out of range (m) = manual integration (+) = signals summed

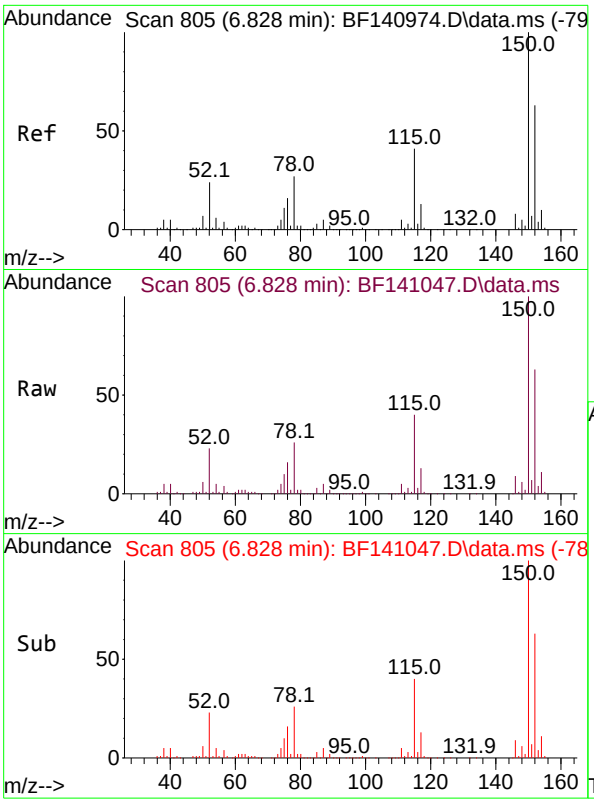
Sample Results: **BF141047.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141047.D
Acq On : 31 Dec 2024 09:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Dec 31 10:37:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



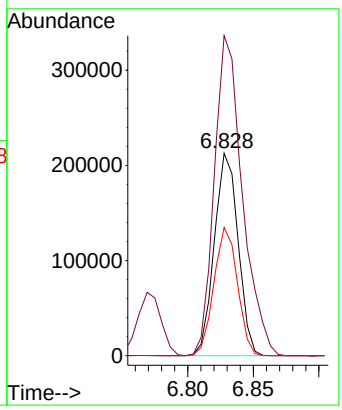


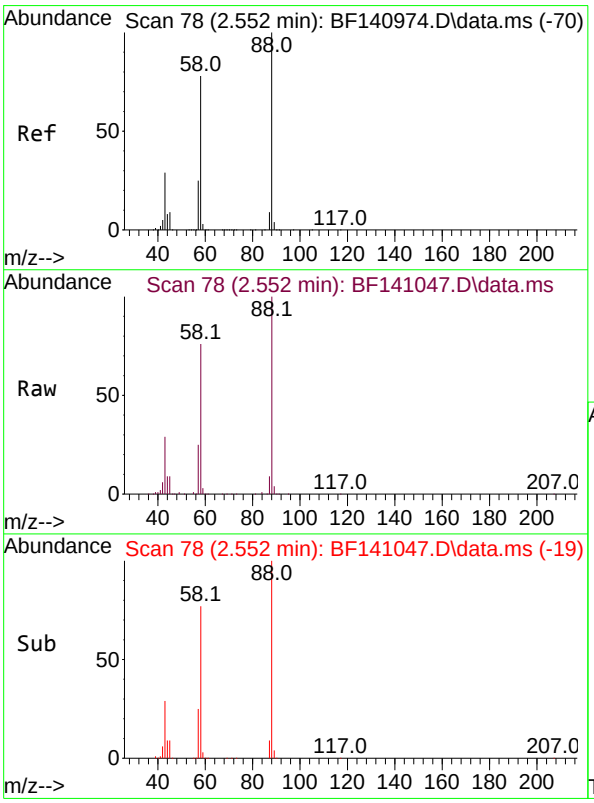
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 267957

Ion	Ratio	Lower	Upper
152	100		
150	158.1	127.0	190.6
115	63.3	51.7	77.5

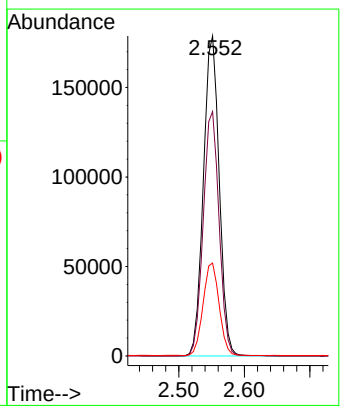


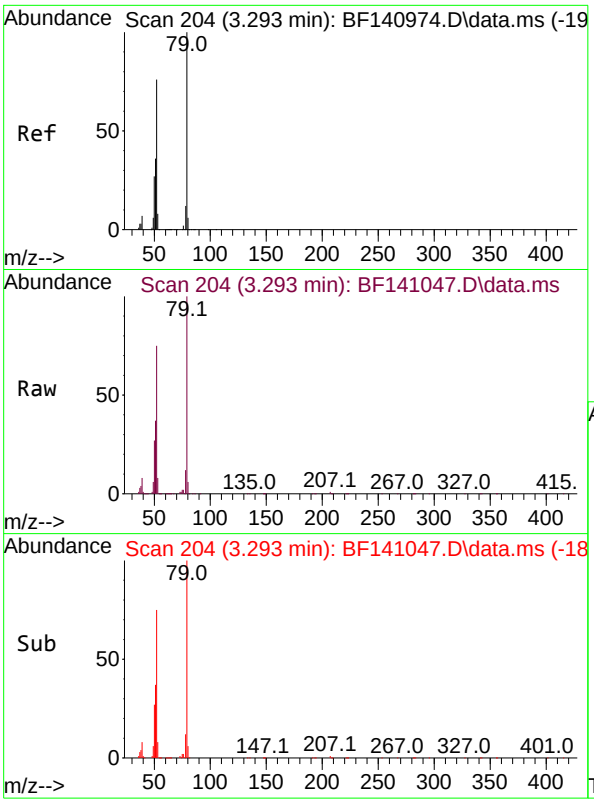


#2
1,4-Dioxane
Concen: 37.373 ng
RT: 2.552 min Scan# 78
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion: 88 Resp: 300777

Ion	Ratio	Lower	Upper
88	100		
58	76.5	63.0	94.4
43	29.2	23.4	35.2



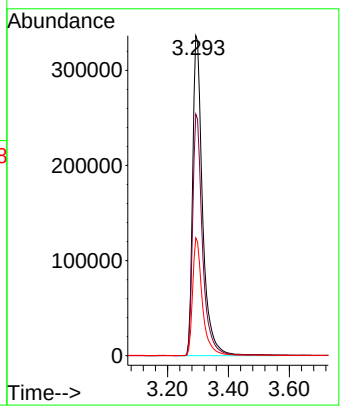


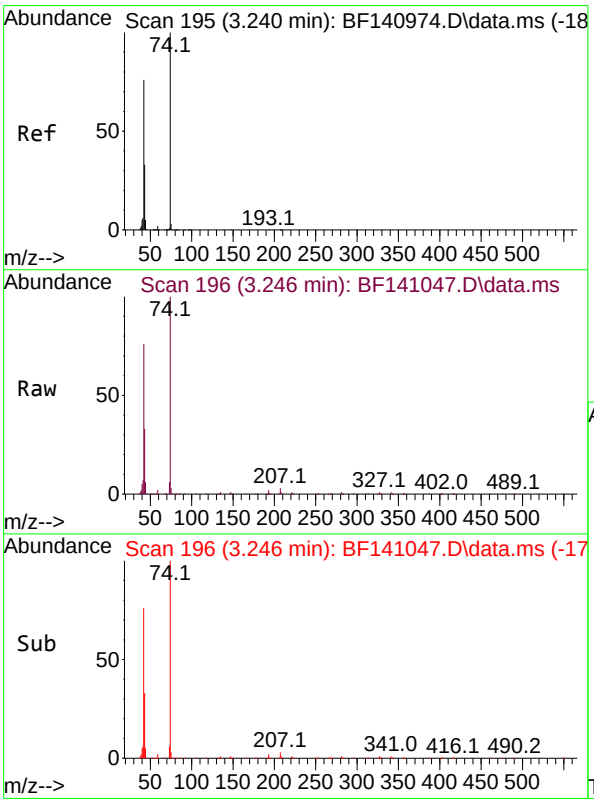
#3
Pyridine
Concen: 38.909 ng
RT: 3.293 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 765257

Ion	Ratio	Lower	Upper
79	100		
52	75.4	60.4	90.6
51	36.8	28.8	43.2

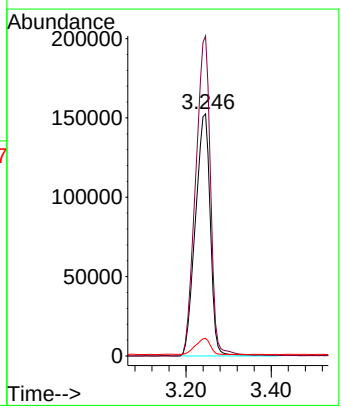


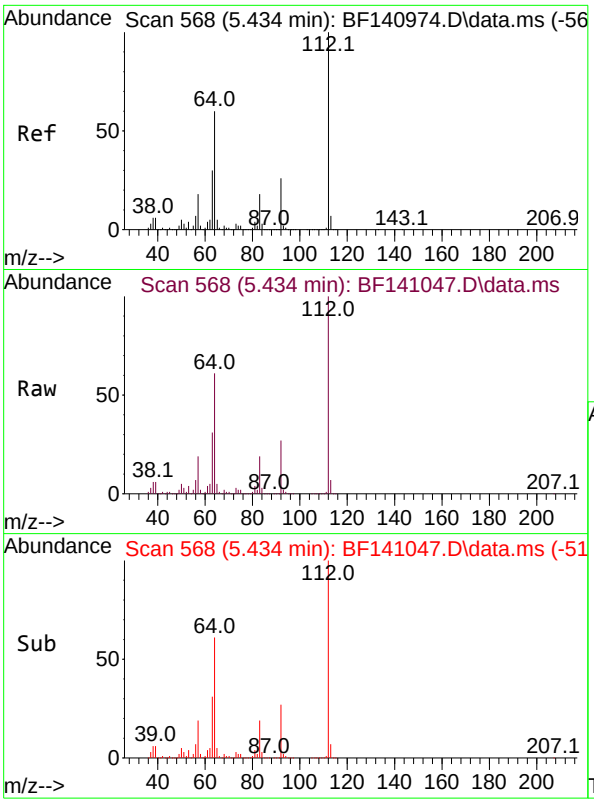


#4
n-Nitrosodimethylamine
Concen: 37.219 ng
RT: 3.246 min Scan# 196
Delta R.T. 0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion: 42 Resp: 370893

Ion	Ratio	Lower	Upper
42	100		
74	132.2	105.8	158.6
44	7.3	6.6	10.0



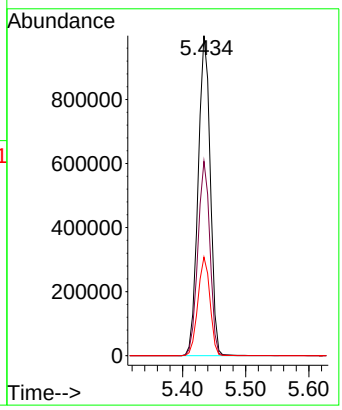


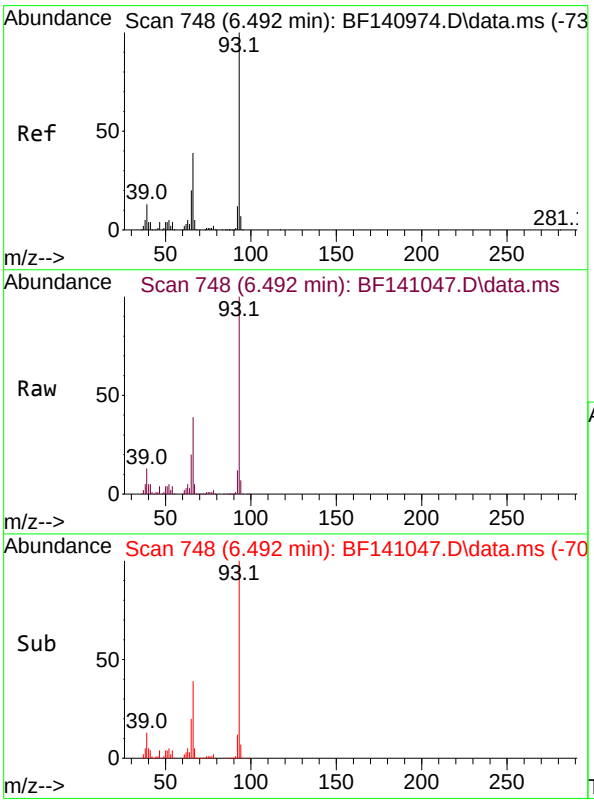
#5
2-Fluorophenol
Concen: 74.942 ng
RT: 5.434 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1332201

Ion	Ratio	Lower	Upper
112	100		
64	60.7	47.7	71.5
63	30.8	24.2	36.2

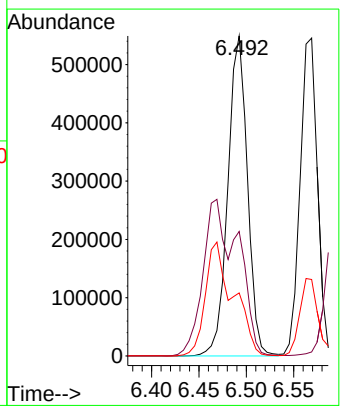


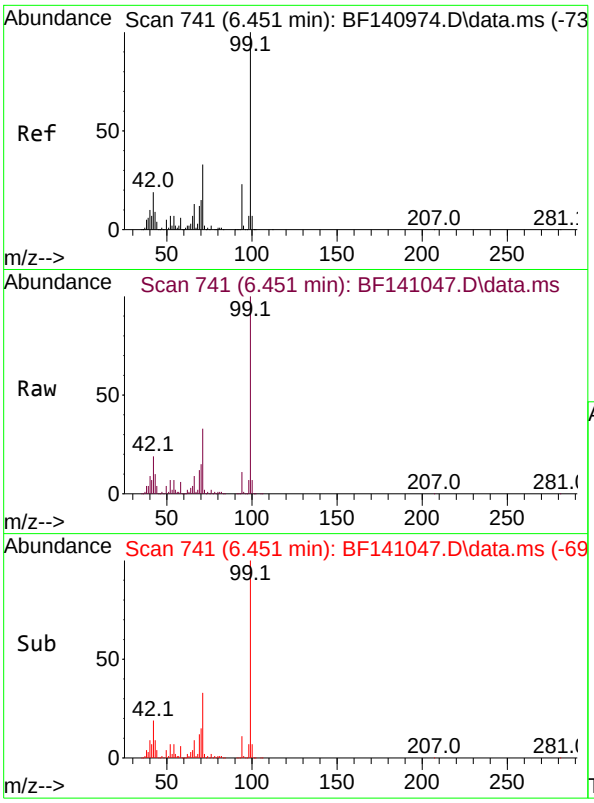


#6
Aniline
Concen: 38.722 ng
RT: 6.492 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion: 93 Resp: 790836

Ion	Ratio	Lower	Upper
93	100		
66	38.9	31.8	47.8
65	19.7	15.4	23.0



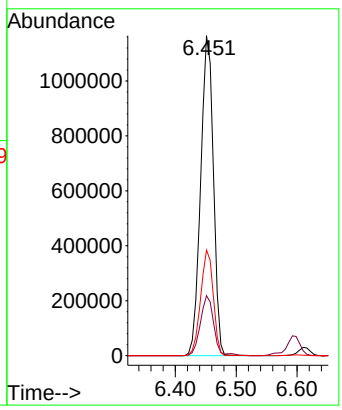


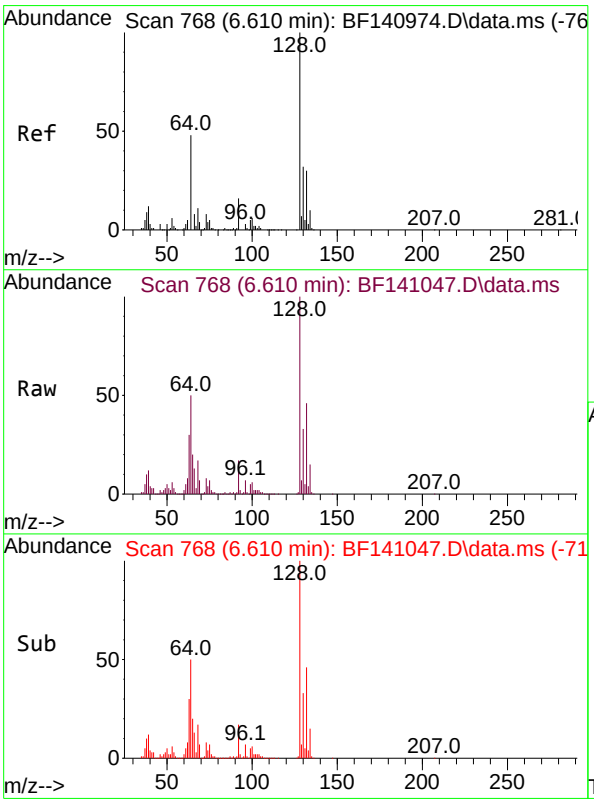
#7
Phenol-d6
Concen: 73.971 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1693926

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.4
71	33.0	26.2	39.2

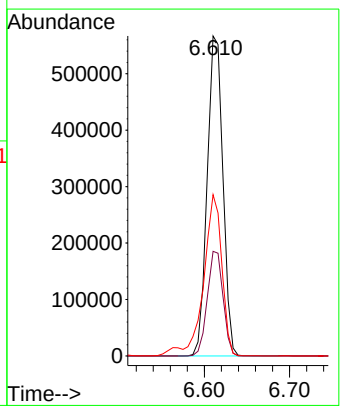


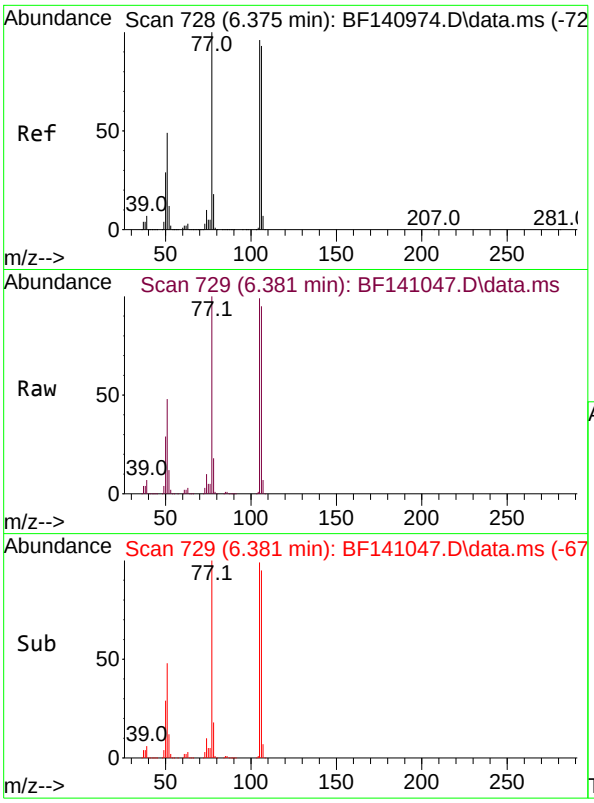


#8
2-Chlorophenol
Concen: 38.756 ng
RT: 6.610 min Scan# 768
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:128 Resp: 726362

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.2	52.2
64	50.4	30.3	70.3



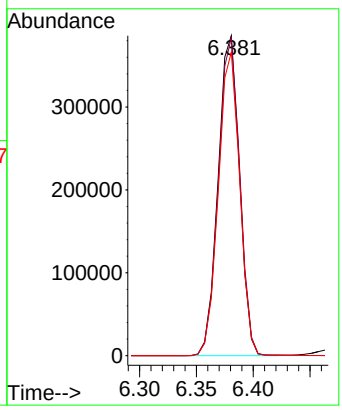


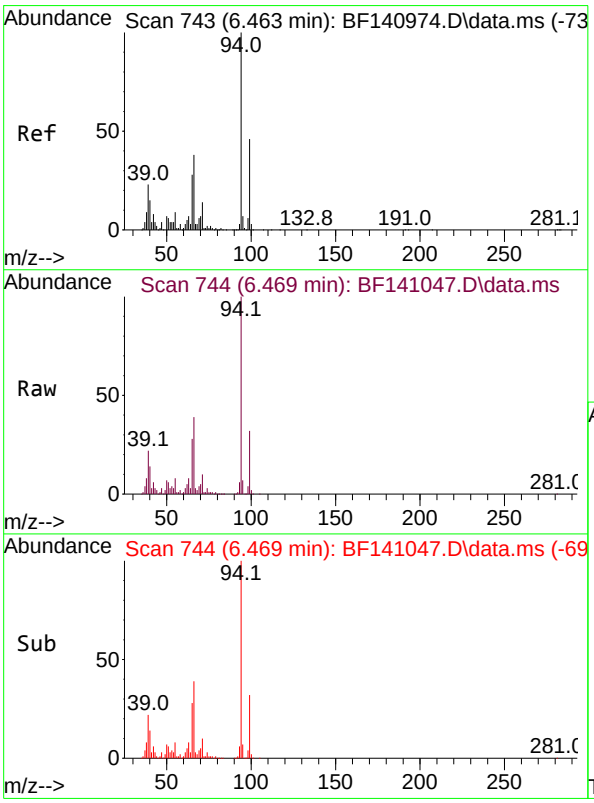
#9
Benzaldehyde
Concen: 46.524 ng
RT: 6.381 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 505724

Ion	Ratio	Lower	Upper
77	100		
105	99.4	76.2	116.2
106	94.8	73.4	113.4

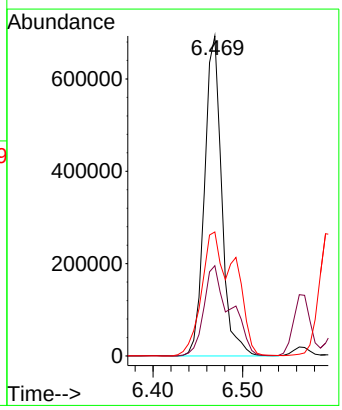


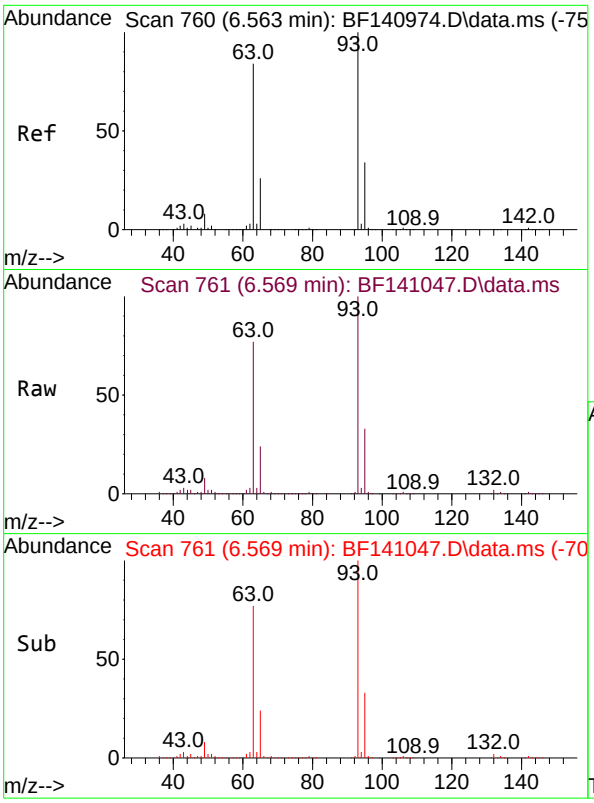


#10
Phenol
Concen: 38.885 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion: 94 Resp: 920756

Ion	Ratio	Lower	Upper
94	100		
65	28.2	8.1	48.1
66	38.8	18.7	58.7



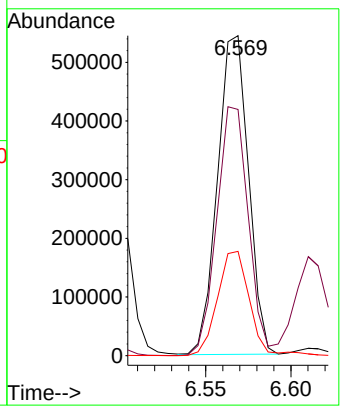


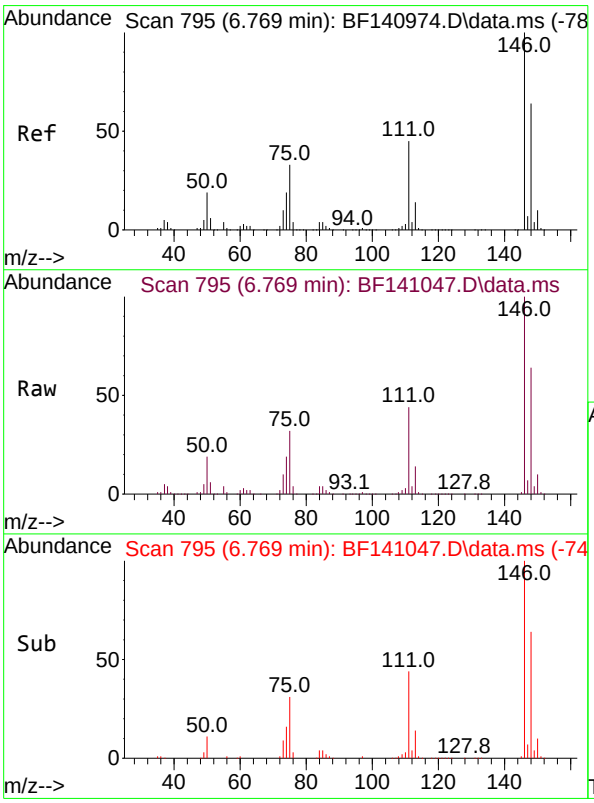
#11
bis(2-Chloroethyl)ether
Concen: 35.923 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 686822

Ion	Ratio	Lower	Upper
93	100		
63	77.0	60.3	100.3
95	32.6	12.2	52.2

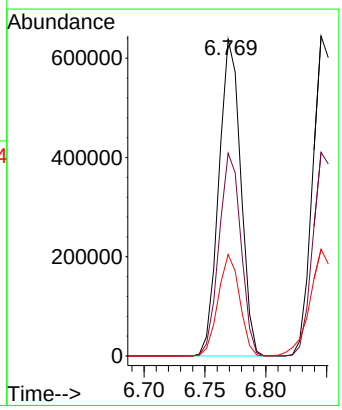


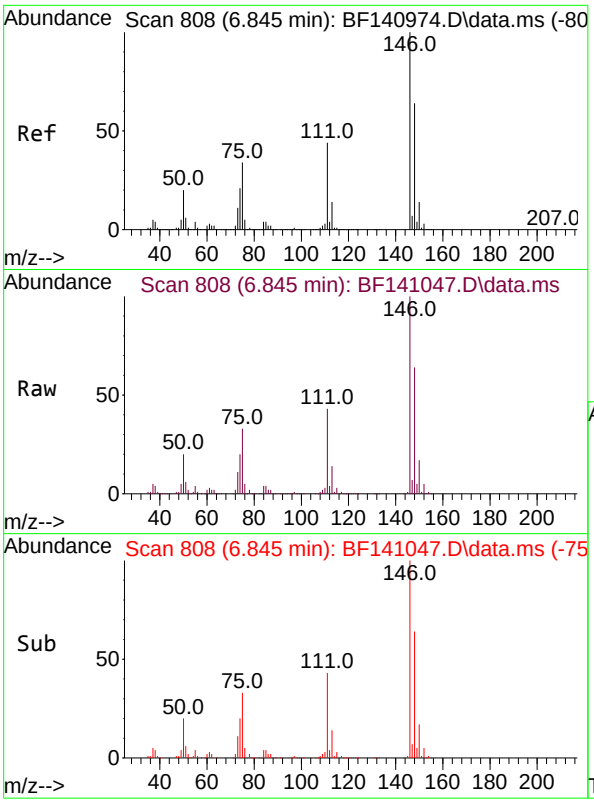


#12
1,3-Dichlorobenzene
Concen: 38.580 ng
RT: 6.769 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:146 Resp: 797977

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
75	32.1	26.1	39.1



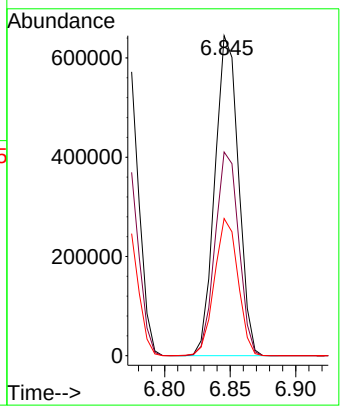


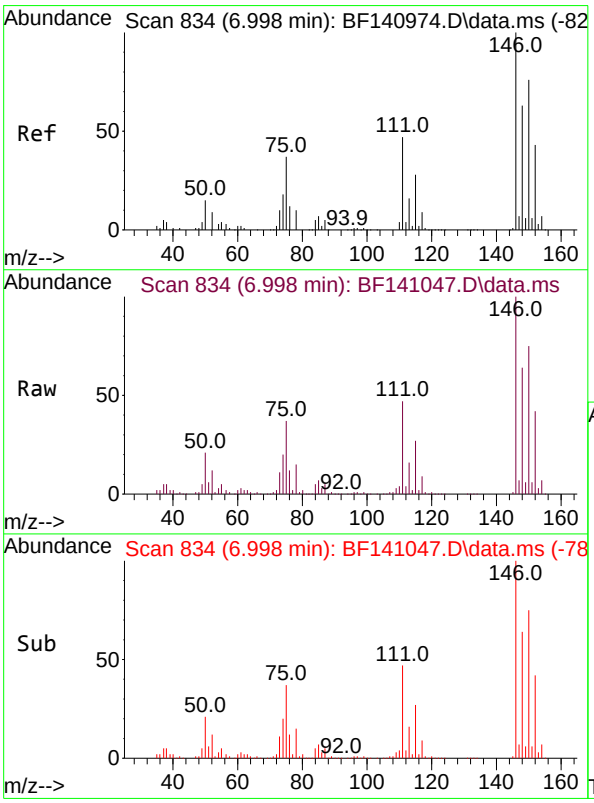
#13
1,4-Dichlorobenzene
Concen: 38.657 ng
RT: 6.845 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 806042

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.3	76.9
111	42.9	35.3	52.9

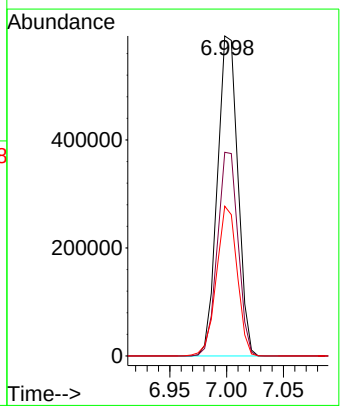


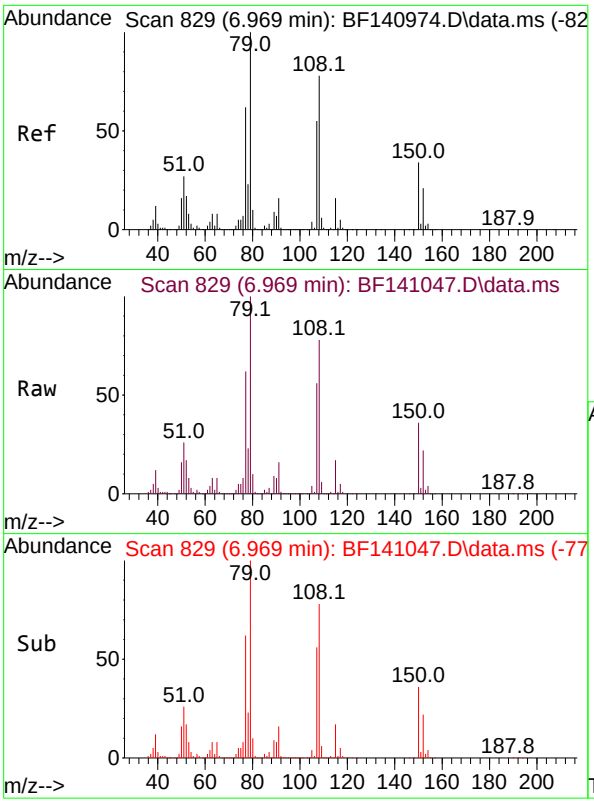


#14
1,2-Dichlorobenzene
Concen: 38.228 ng
RT: 6.998 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:146 Resp: 743175

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
111	46.8	37.3	55.9



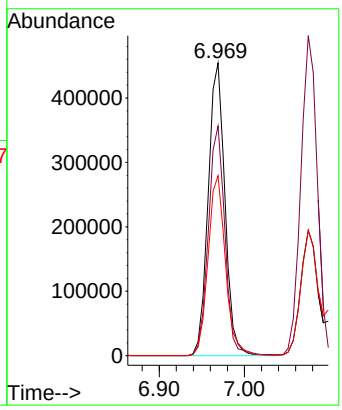


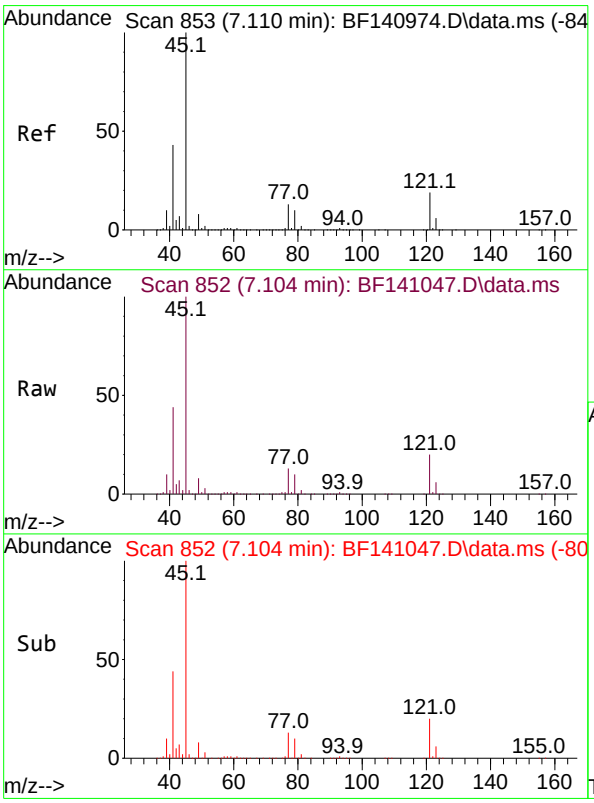
#15
Benzyl Alcohol
Concen: 37.763 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 621425

Ion	Ratio	Lower	Upper
79	100		
108	78.4	62.5	93.7
77	61.5	49.3	73.9

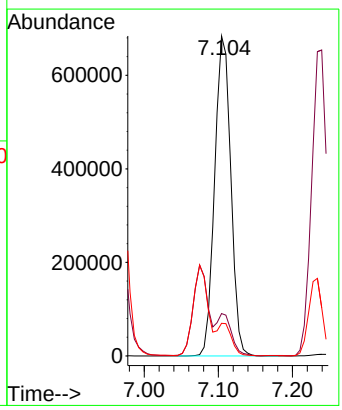


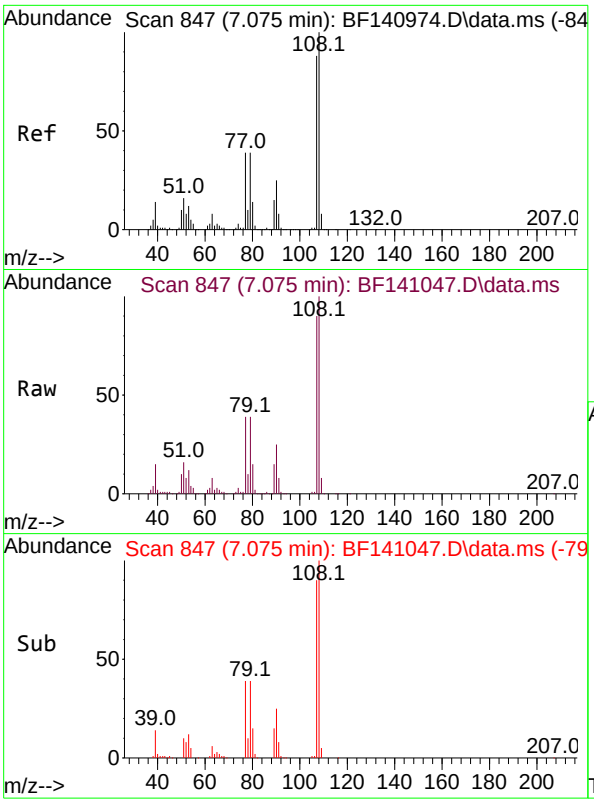


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.789 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion: 45 Resp: 1034797

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	33.1
79	10.2	0.0	30.1



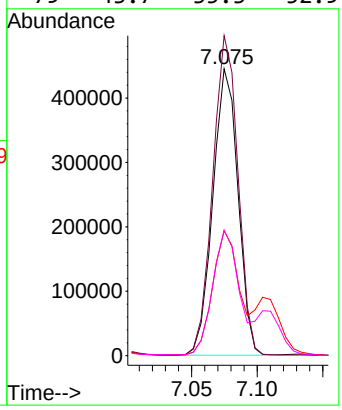


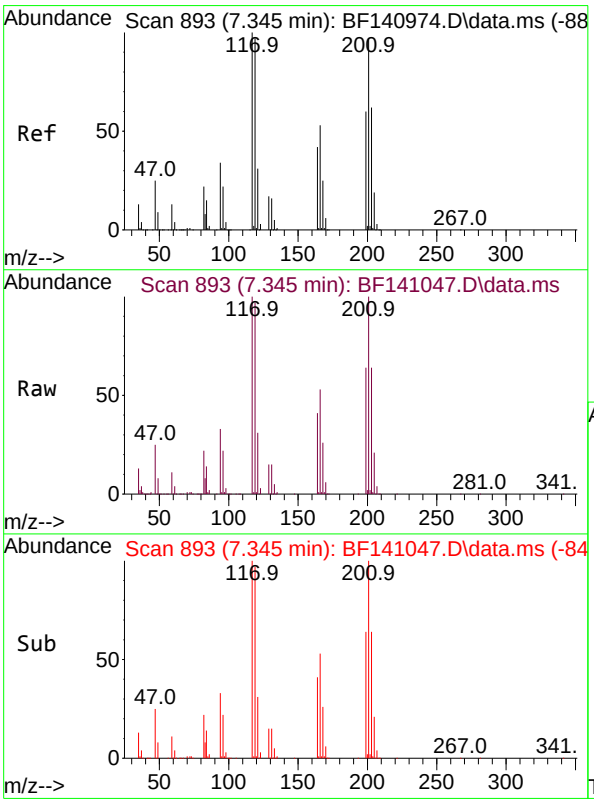
#17
2-Methylphenol
Concen: 38.080 ng
RT: 7.075 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 592918

Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.6	136.0
77	43.6	35.3	52.9
79	43.7	35.3	52.9

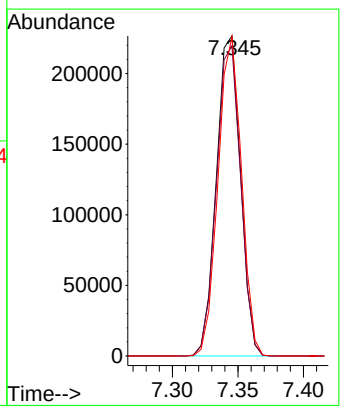


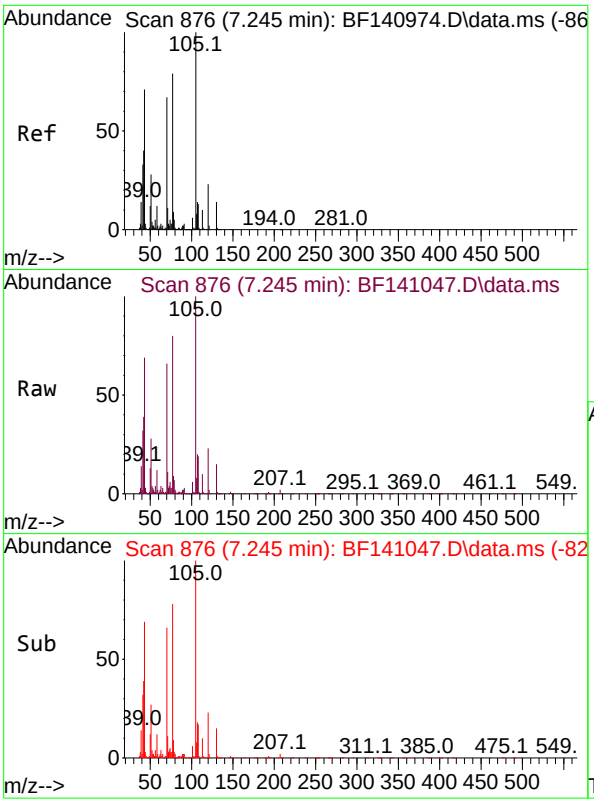


#18
Hexachloroethane
Concen: 39.098 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:117 Resp: 289599

Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.5	116.3
201	99.7	77.4	116.2



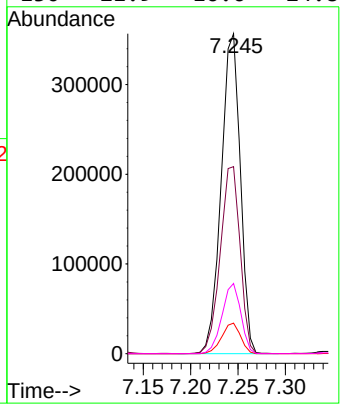


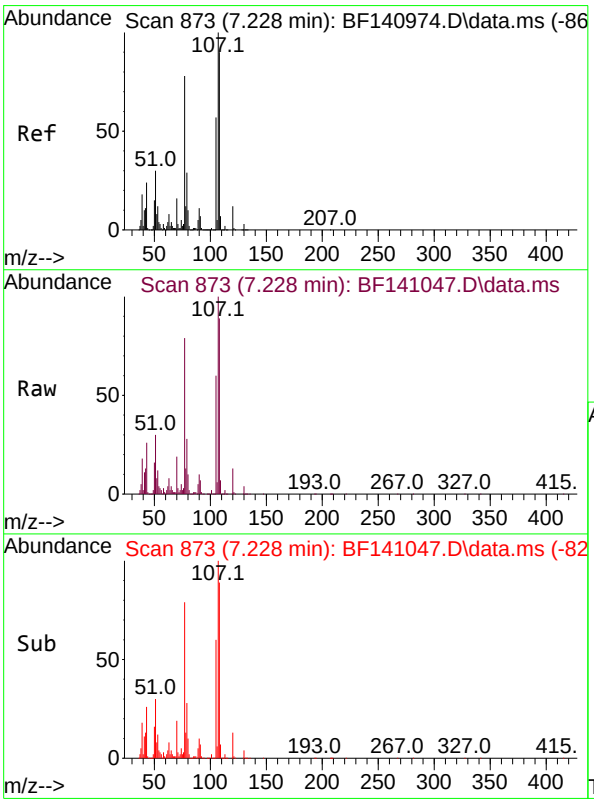
#19
n-Nitroso-di-n-propylamine
Concen: 35.768 ng
RT: 7.245 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 501793

Ion	Ratio	Lower	Upper
70	100		
42	58.4	48.1	72.1
101	9.6	7.6	11.4
130	21.9	16.6	24.8

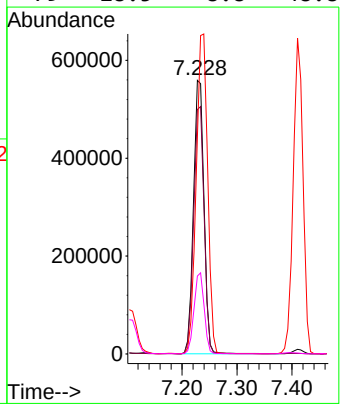


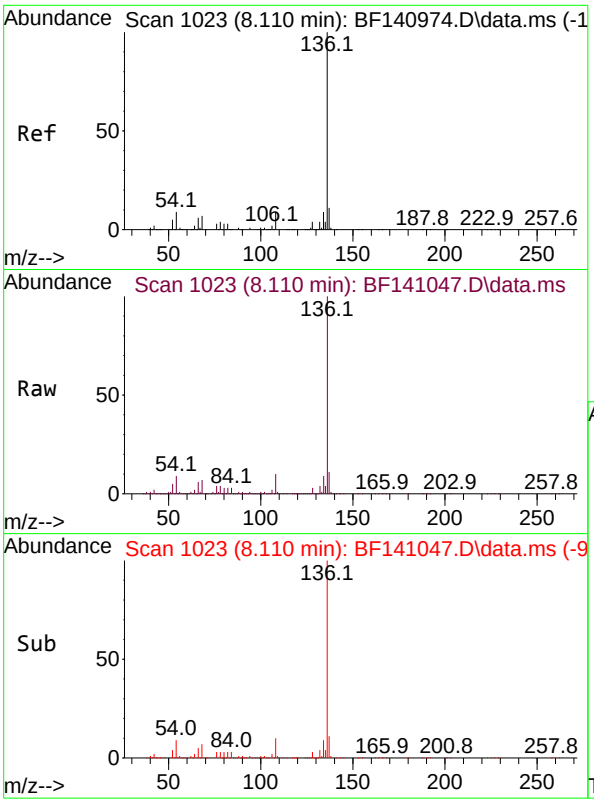


#20
3+4-Methylphenols
Concen: 37.368 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:107 Resp: 736277

Ion	Ratio	Lower	Upper
107	100		
108	89.3	69.6	109.6
77	79.3	57.6	97.6
79	28.5	8.8	48.8



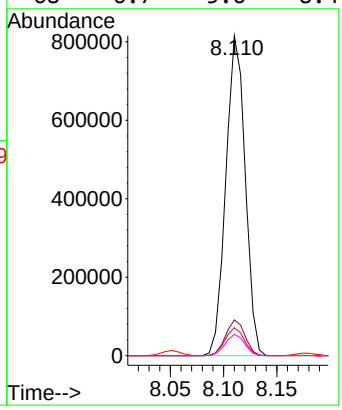


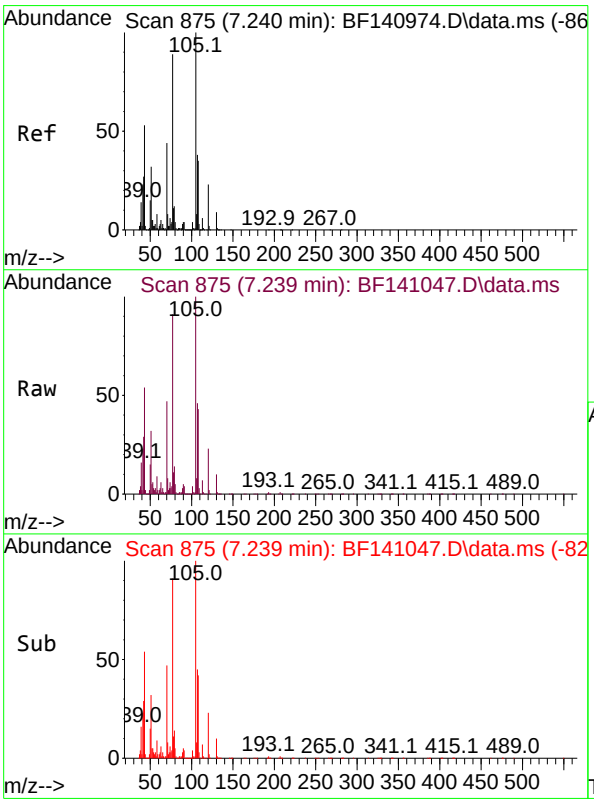
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1030825

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	8.8	7.6	11.4
68	6.7	5.6	8.4

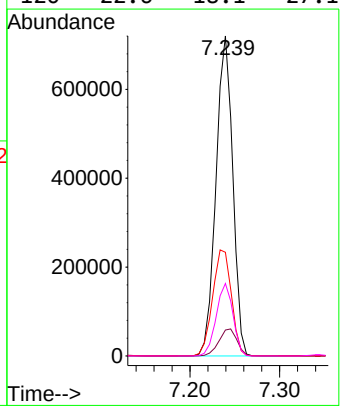


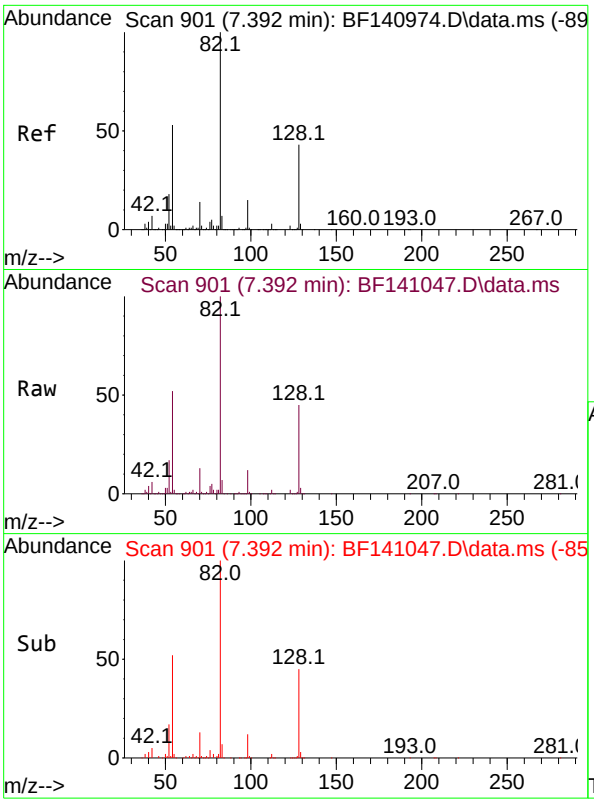


#22
Acetophenone
Concen: 36.969 ng
RT: 7.239 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:105 Resp: 934849

Ion	Ratio	Lower	Upper
105	100		
71	8.1	6.1	9.1
51	32.4	25.8	38.6
120	22.6	18.1	27.1



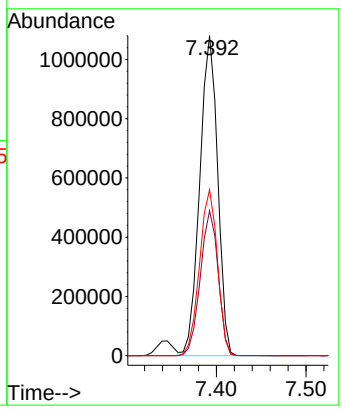


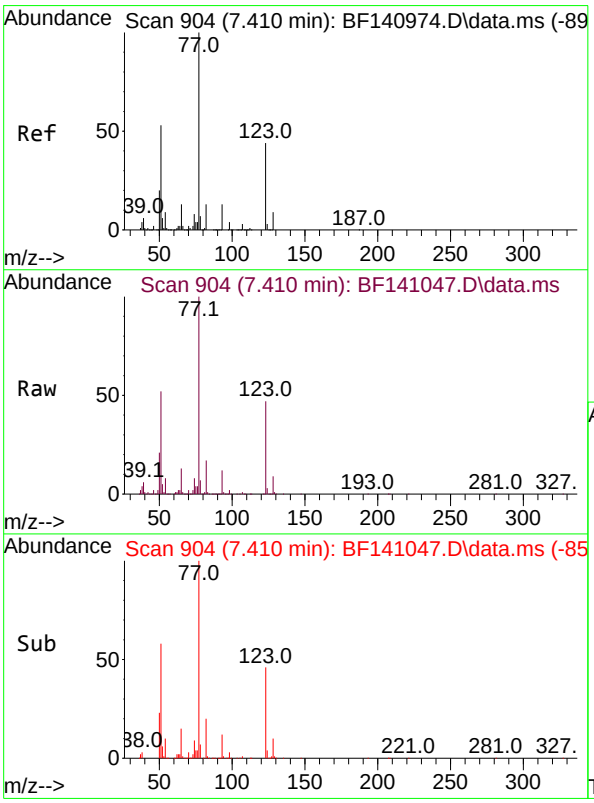
#23
Nitrobenzene-d5
Concen: 92.864 ng
RT: 7.392 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1496248

Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.4	51.6
54	51.9	42.4	63.6

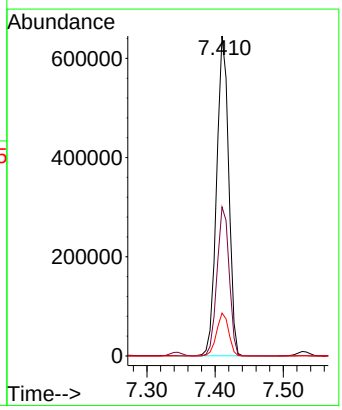


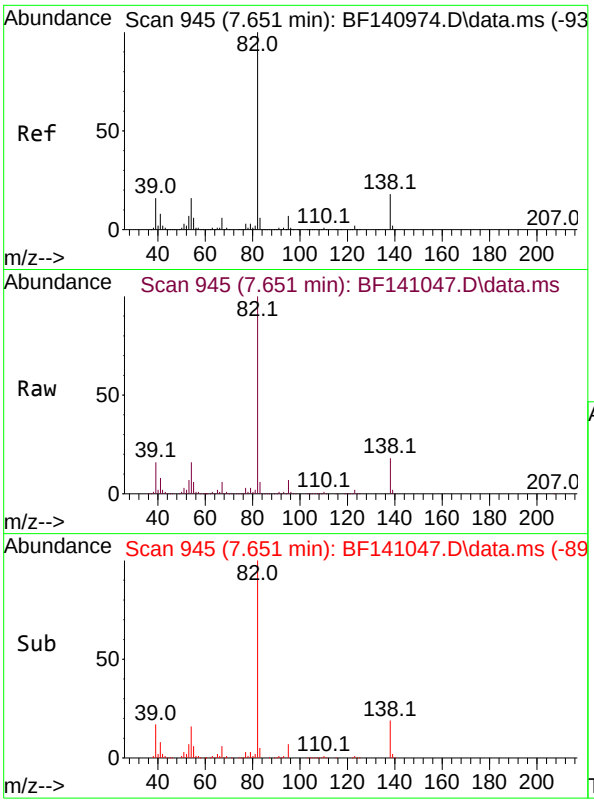


#24
Nitrobenzene
Concen: 44.244 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion: 77 Resp: 796552

Ion	Ratio	Lower	Upper
77	100		
123	46.5	35.4	53.2
65	13.4	10.7	16.1



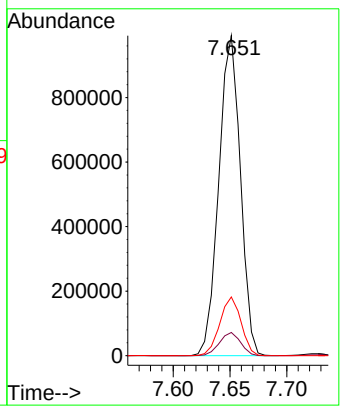


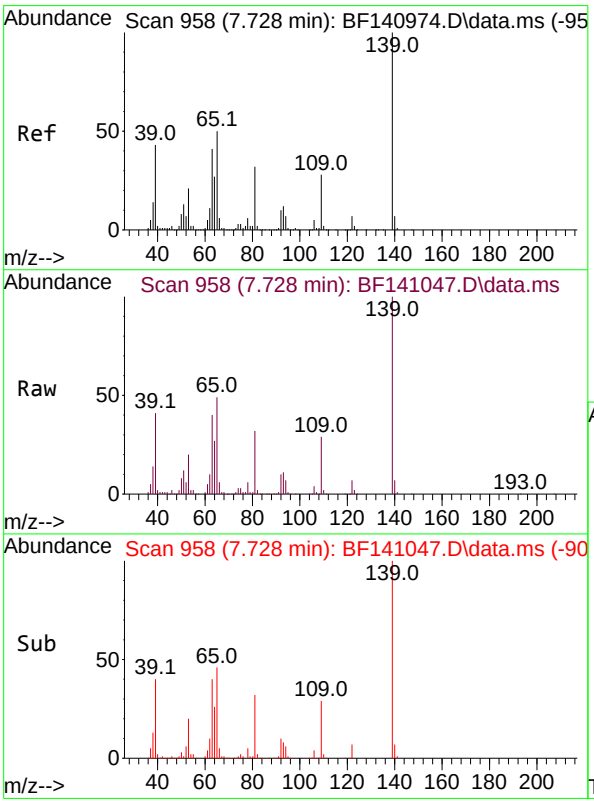
#25
Isophorone
Concen: 37.420 ng
RT: 7.651 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1311982

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	18.4	14.6	21.8

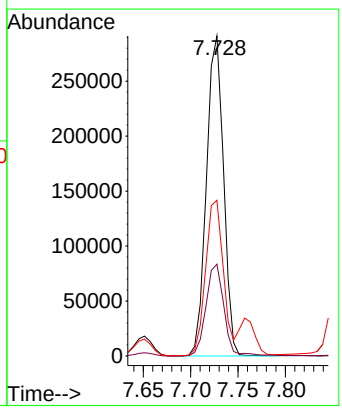


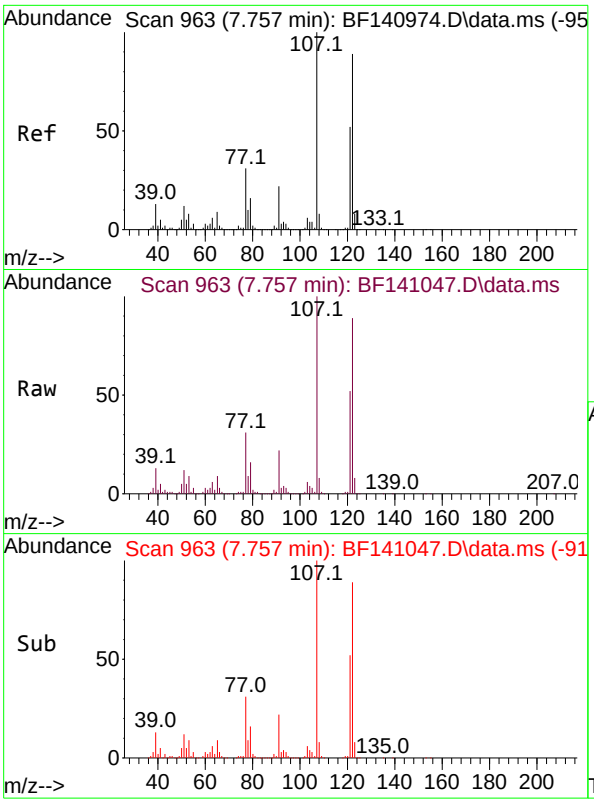


#26
2-Nitrophenol
Concen: 49.343 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:139 Resp: 365289

Ion	Ratio	Lower	Upper
139	100		
109	28.7	22.2	33.4
65	48.7	40.2	60.4



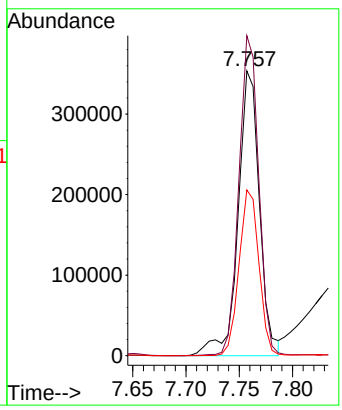


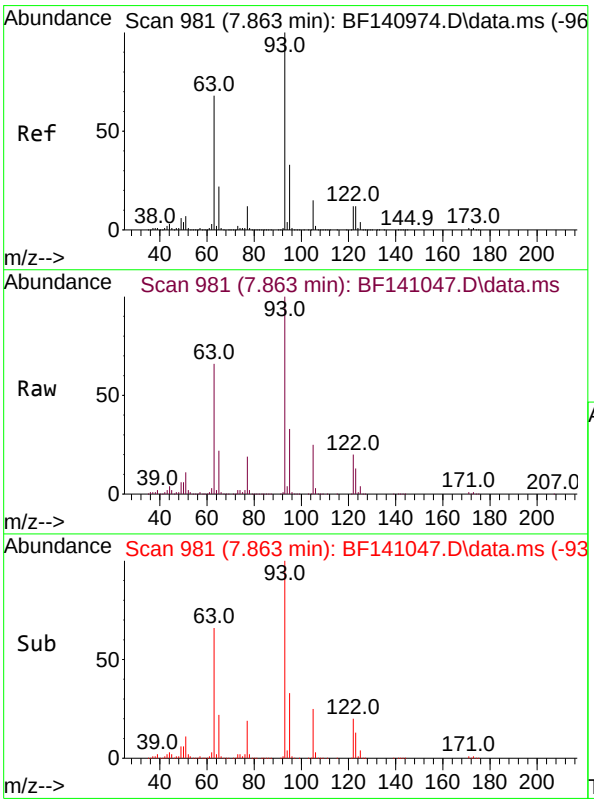
#27
2,4-Dimethylphenol
Concen: 38.644 ng
RT: 7.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 495173

Ion	Ratio	Lower	Upper
122	100		
107	112.3	89.4	134.2
121	58.2	46.7	70.1

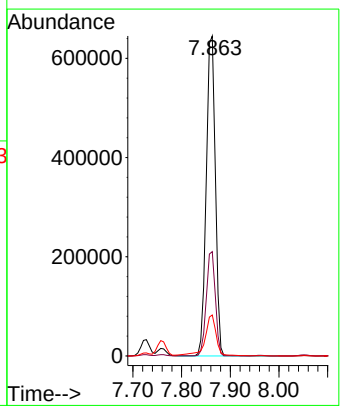


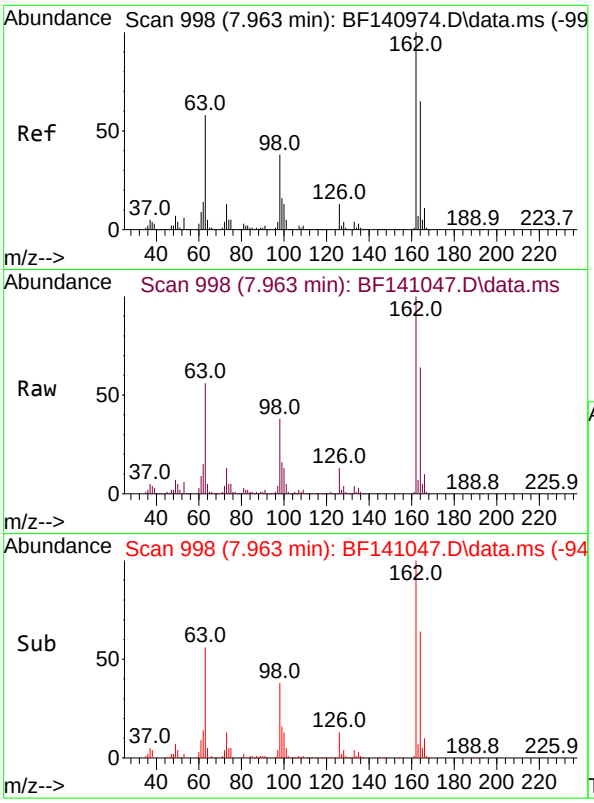


#28
bis(2-Chloroethoxy)methane
Concen: 37.653 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion: 93 Resp: 836421

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	12.8	9.9	14.9



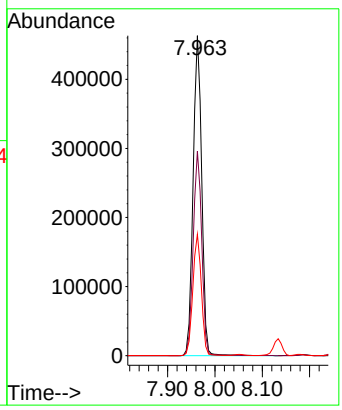


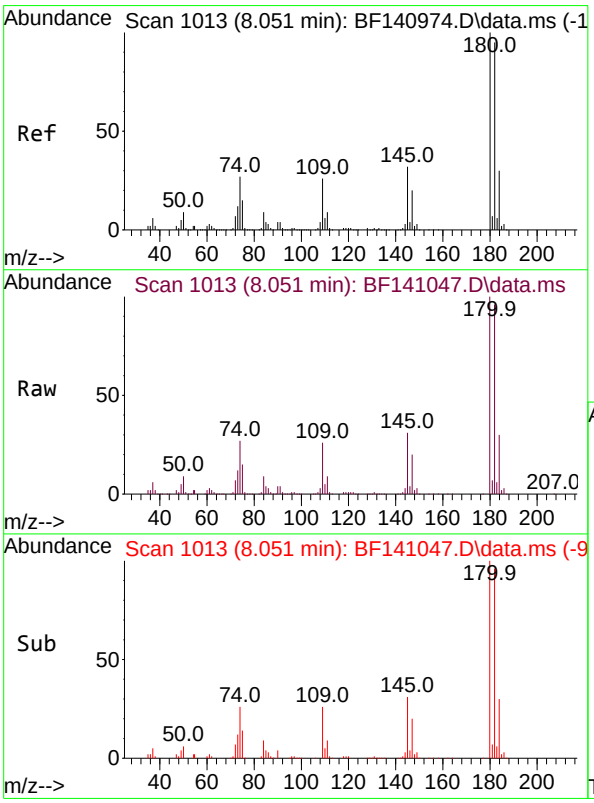
#29
2,4-Dichlorophenol
Concen: 40.235 ng
RT: 7.963 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 584727

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.8	84.8
98	37.9	18.6	58.6

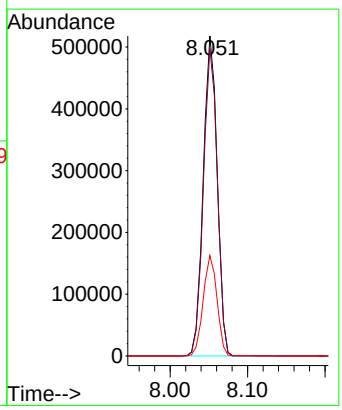


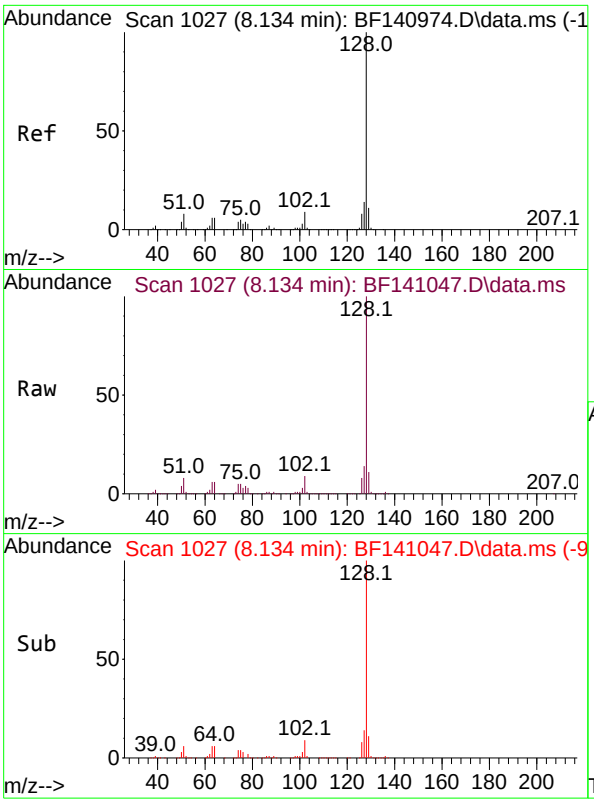


#30
1,2,4-Trichlorobenzene
Concen: 39.347 ng
RT: 8.051 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:180 Resp: 647207

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.4
145	31.4	25.4	38.2



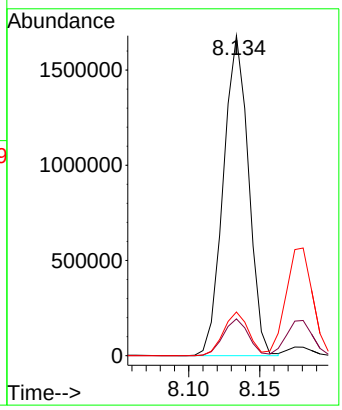


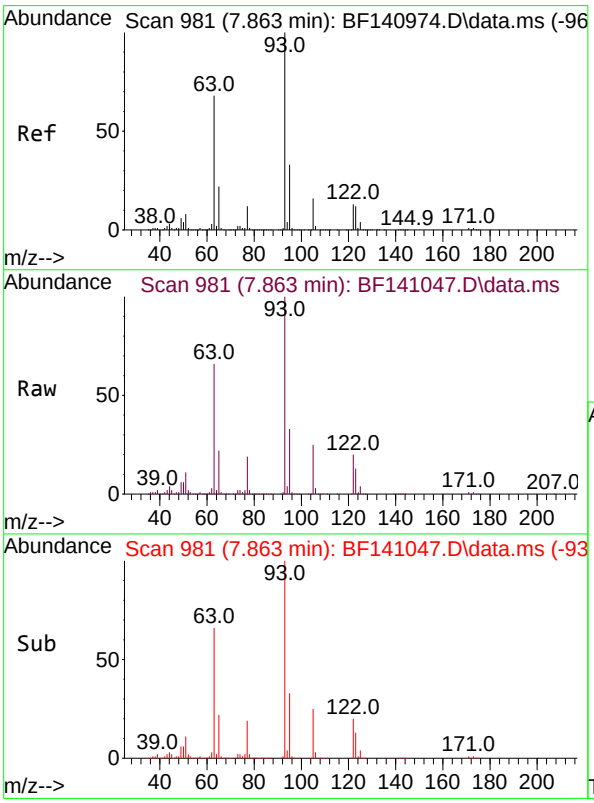
#31
Naphthalene
Concen: 38.067 ng
RT: 8.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2067708

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.7	11.0	16.4

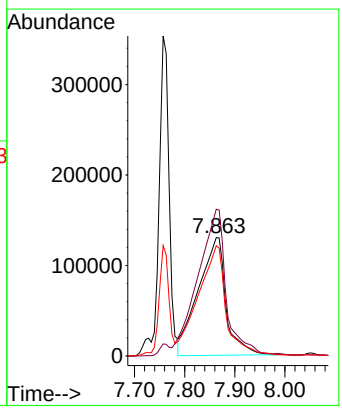


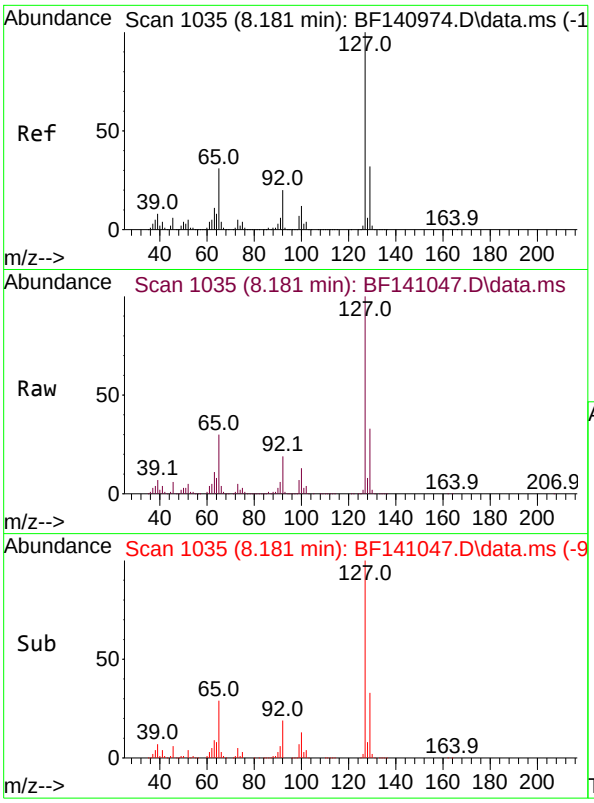


#32
Benzoic acid
Concen: 47.485 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:122 Resp: 499690

Ion	Ratio	Lower	Upper
122	100		
105	123.9	105.4	145.4
77	93.2	76.4	116.4



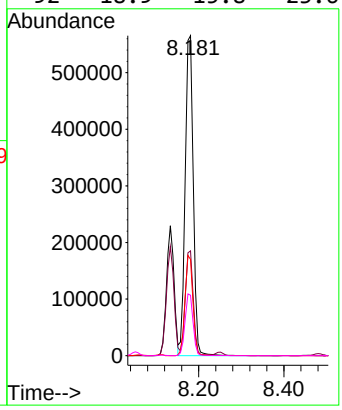


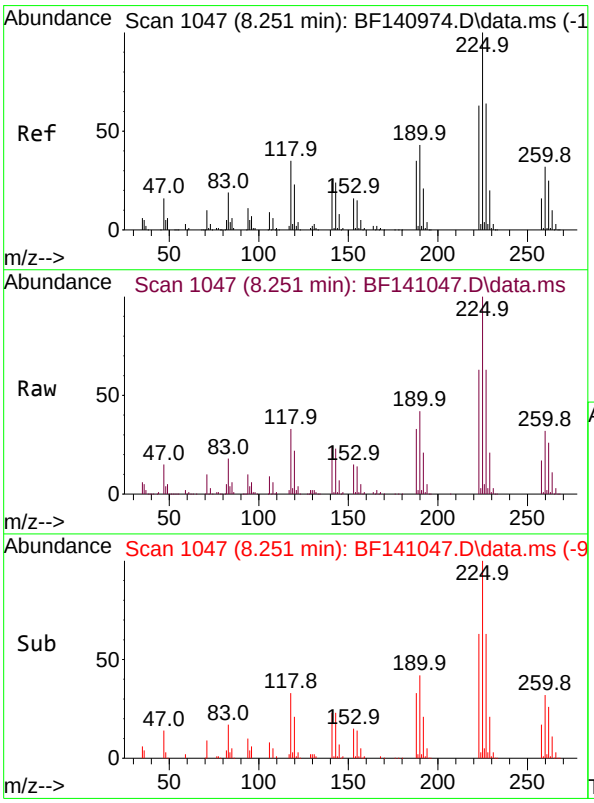
#33
4-Chloroaniline
Concen: 37.924 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 745241

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.1	39.1
65	30.1	24.6	37.0
92	18.9	15.8	23.6

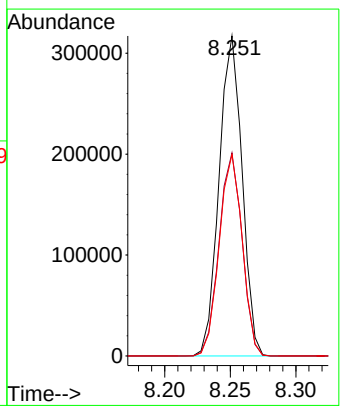


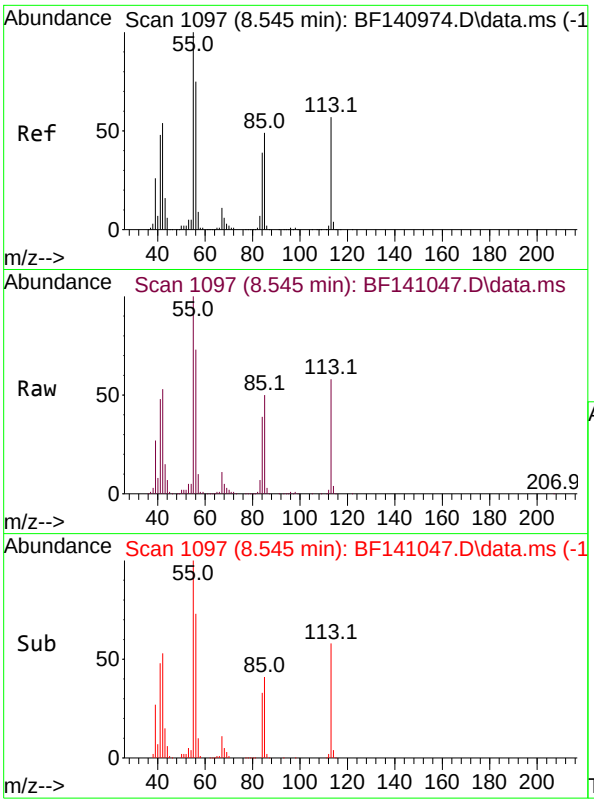


#34
Hexachlorobutadiene
Concen: 39.874 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:225 Resp: 386661

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.3	75.5
227	62.9	50.8	76.2



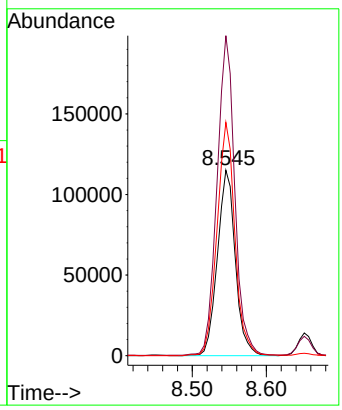


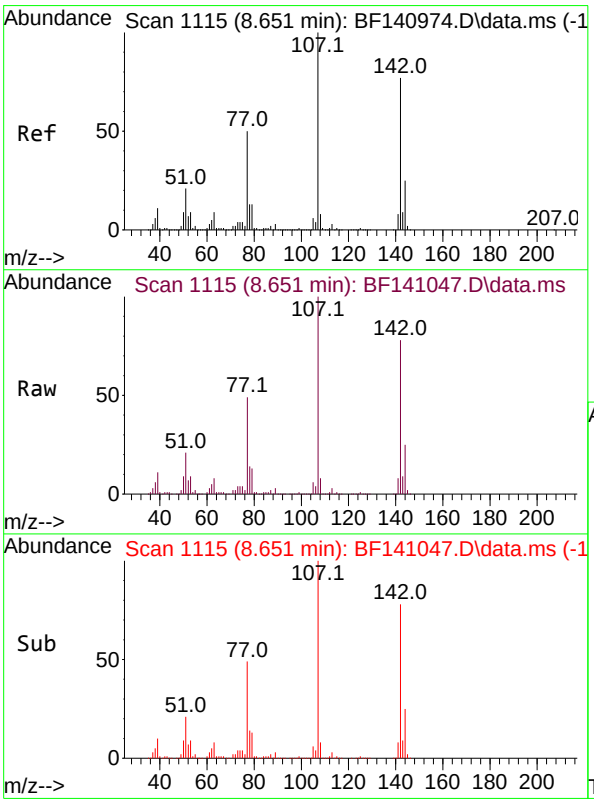
#35
Caprolactam
Concen: 39.082 ng
RT: 8.545 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 193086

Ion	Ratio	Lower	Upper
113	100		
55	172.6	156.6	196.6
56	125.8	111.7	151.7

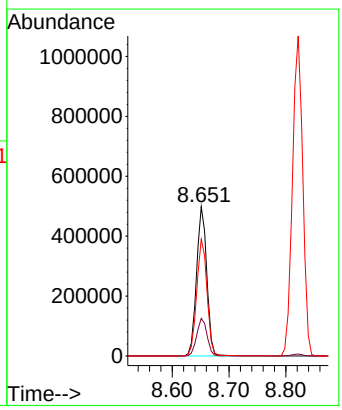


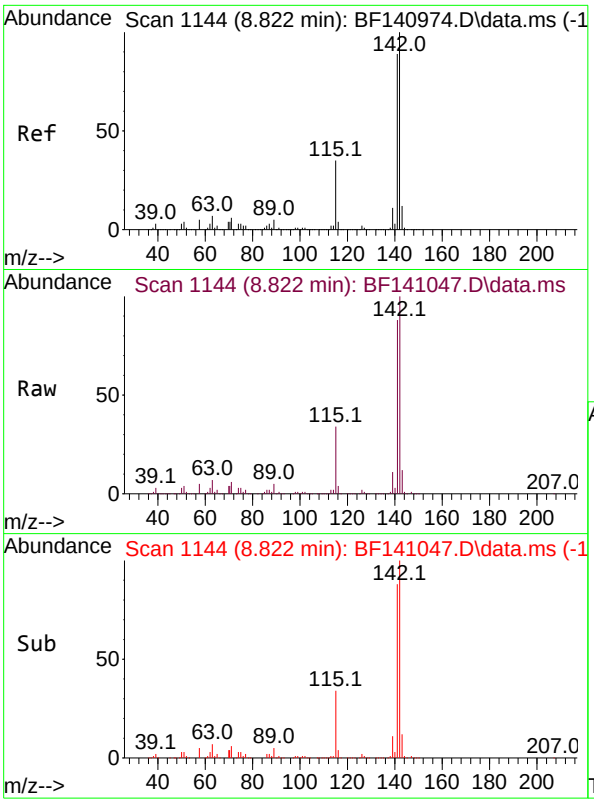


#36
4-Chloro-3-methylphenol
Concen: 38.965 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:107 Resp: 628876

Ion	Ratio	Lower	Upper
107	100		
144	25.2	19.9	29.9
142	78.1	61.8	92.8



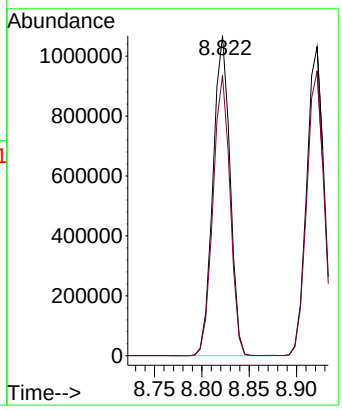


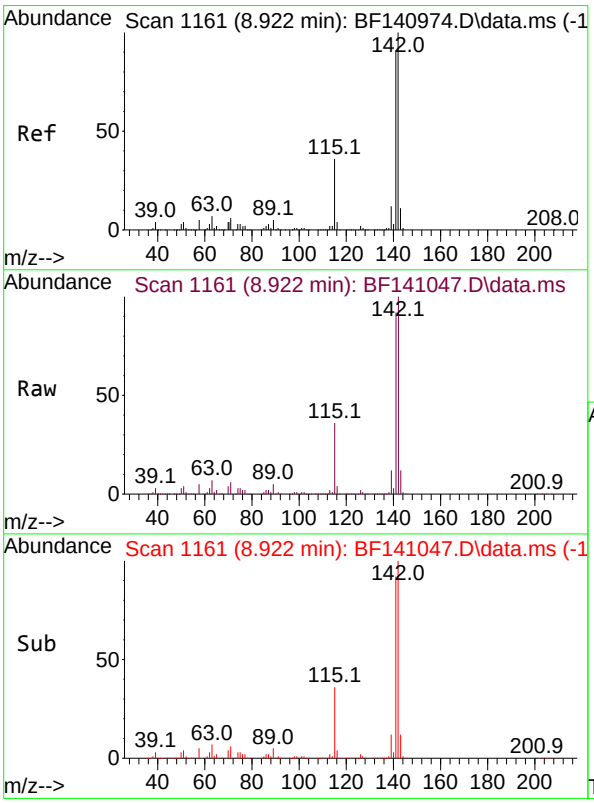
#37
2-Methylnaphthalene
Concen: 38.404 ng
RT: 8.822 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1334497

Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.1	106.7

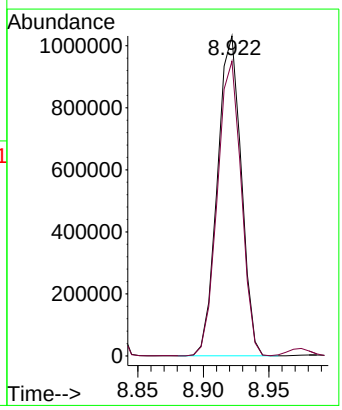


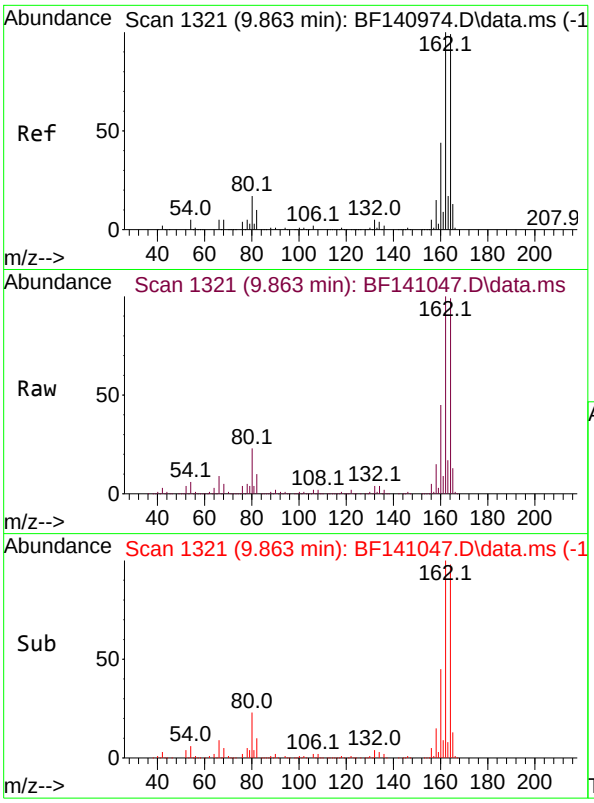


#38
1-Methylnaphthalene
Concen: 38.186 ng
RT: 8.922 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:142 Resp: 1304103

Ion	Ratio	Lower	Upper
142	100		
141	92.1	72.7	109.1



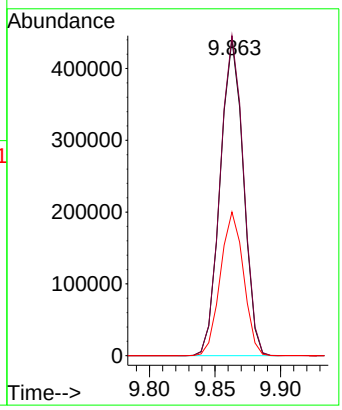


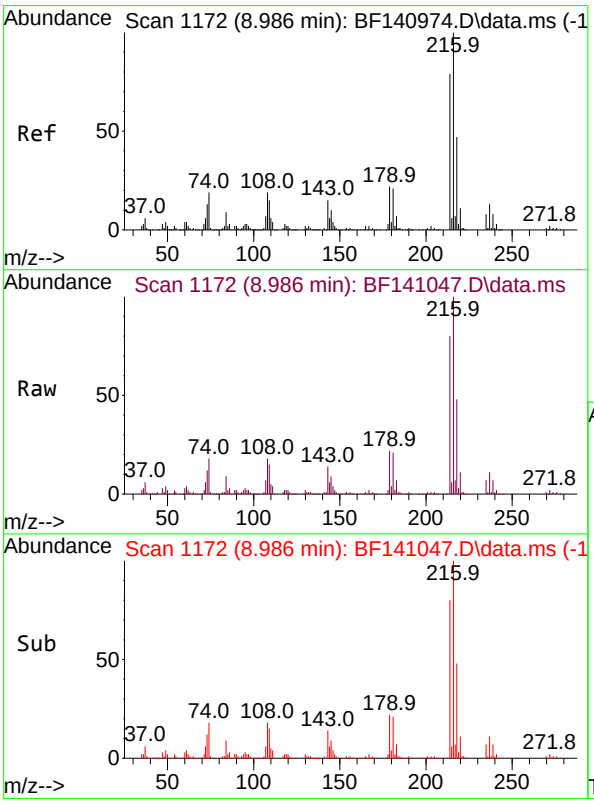
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 541136

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	120.8
160	45.5	35.7	53.5

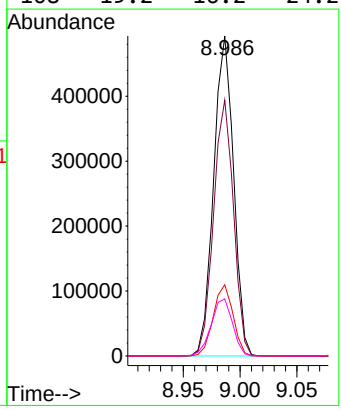


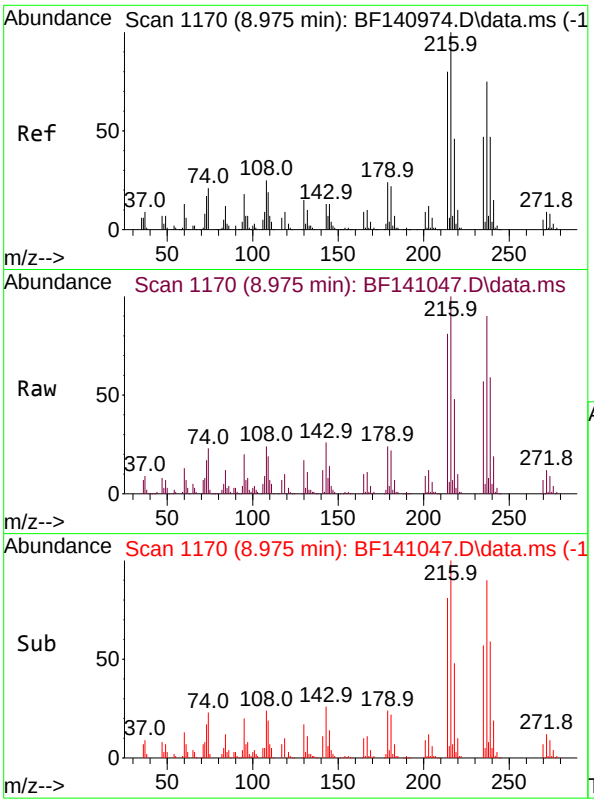


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.370 ng
RT: 8.986 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:216 Resp: 601004

Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.0	94.6
179	22.1	17.9	26.9
108	19.2	16.2	24.2



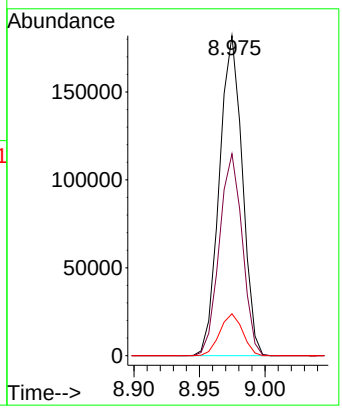


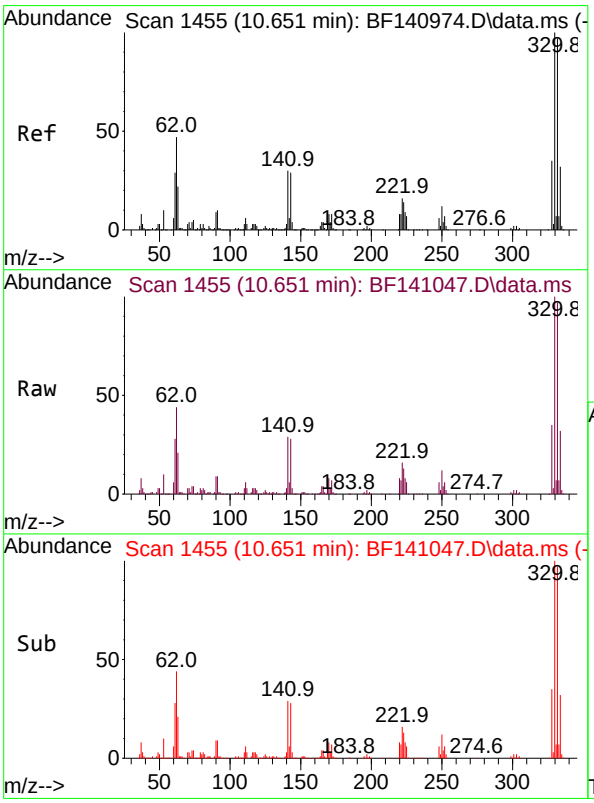
#41
Hexachlorocyclopentadiene
Concen: 44.842 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 221230

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.4	83.4
272	13.1	0.0	32.6

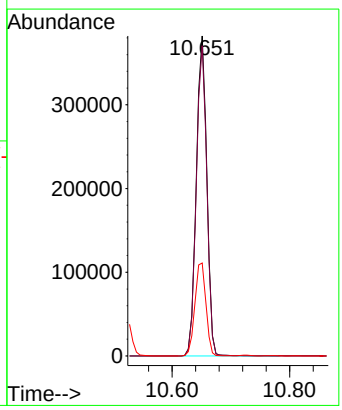


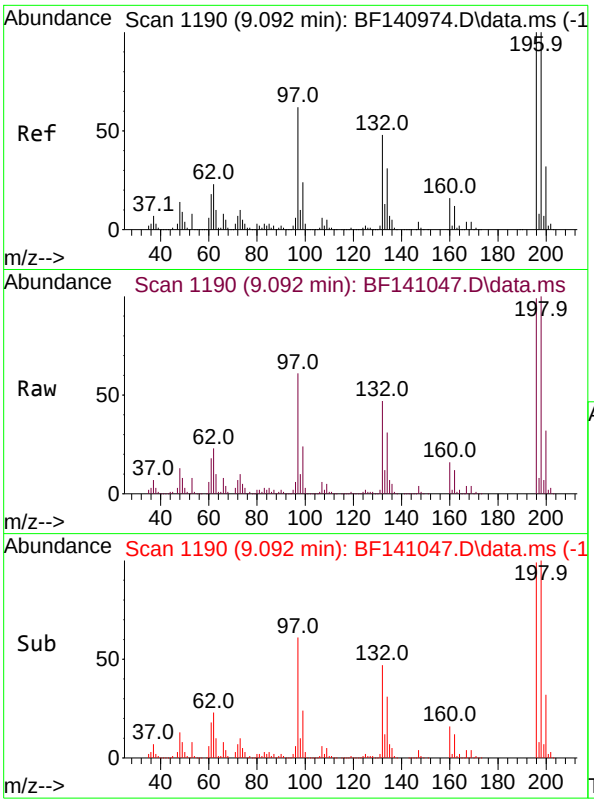


#42
2,4,6-Tribromophenol
Concen: 90.305 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:330 Resp: 474848

Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.0	117.0
141	30.6	26.4	39.6



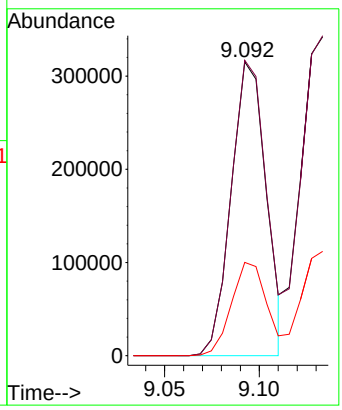


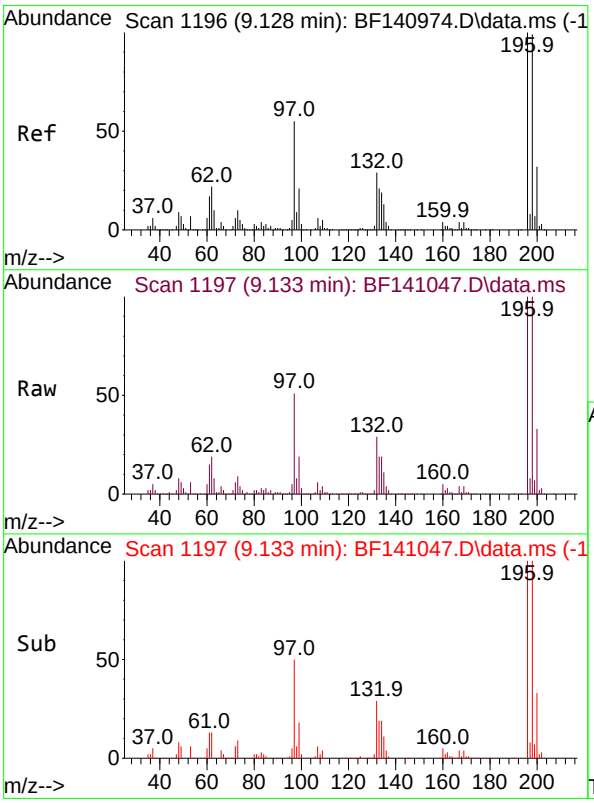
#43
2,4,6-Trichlorophenol
Concen: 40.900 ng
RT: 9.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 405252

Ion	Ratio	Lower	Upper
196	100		
198	100.5	80.2	120.4
200	31.7	25.8	38.6

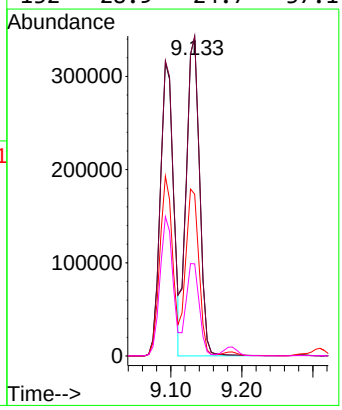


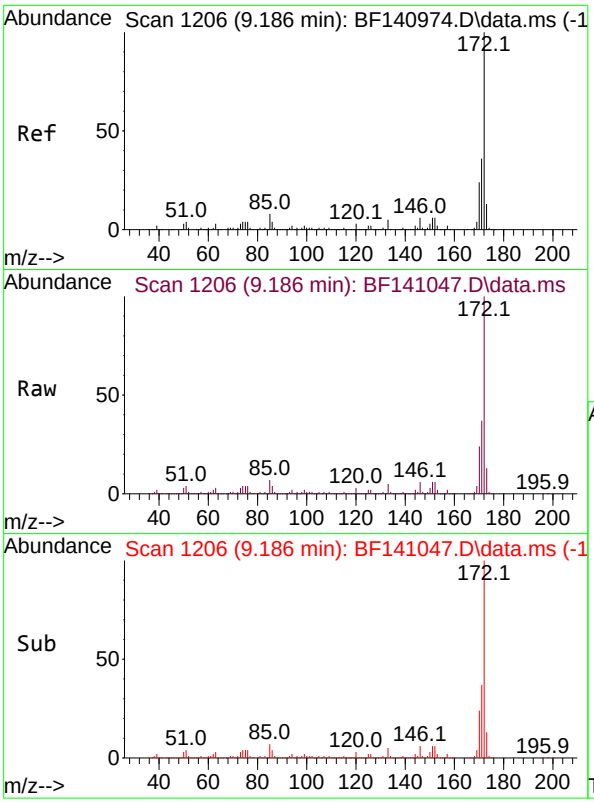


#44
2,4,5-Trichlorophenol
Concen: 43.770 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:196 Resp: 443739

Ion	Ratio	Lower	Upper
196	100		
198	100.4	79.9	119.9
97	50.8	44.3	66.5
132	28.9	24.7	37.1



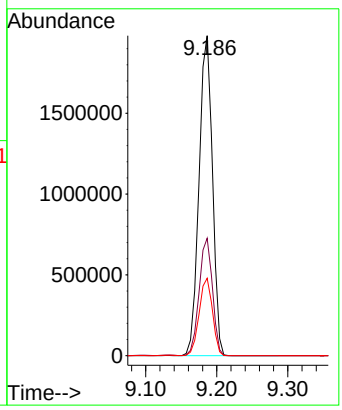


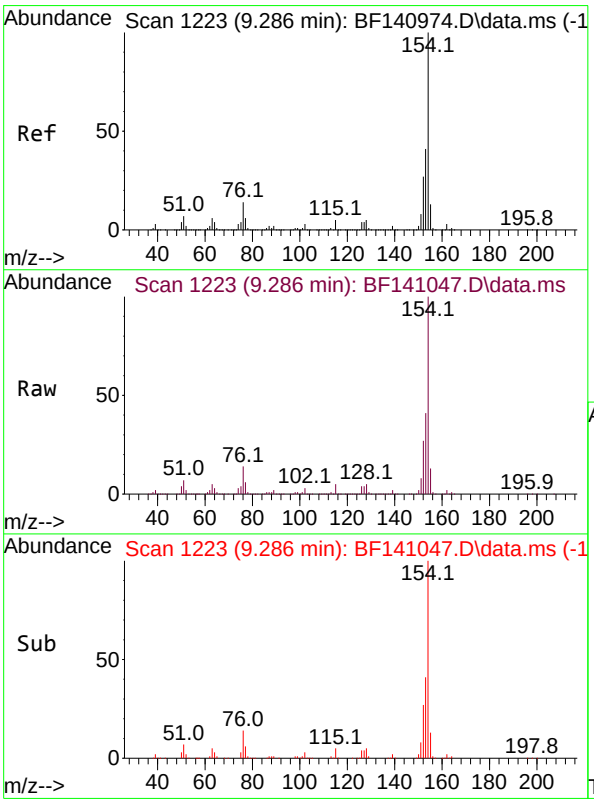
#45
2-Fluorobiphenyl
Concen: 76.647 ng
RT: 9.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2603292

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.0	43.4
170	24.2	19.6	29.4

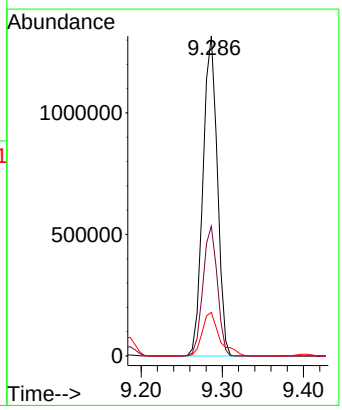


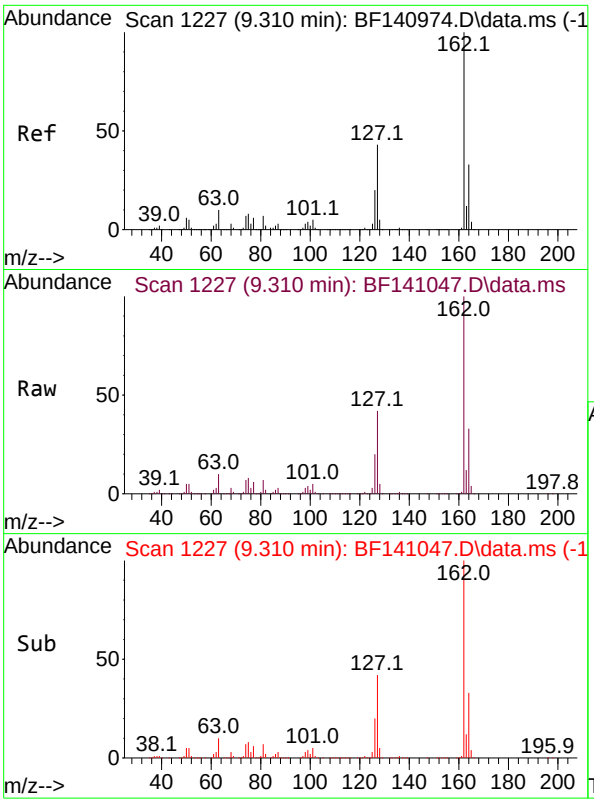


#46
1,1'-Biphenyl
Concen: 38.996 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:154 Resp: 1615794

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.9	60.9
76	13.6	0.0	34.0



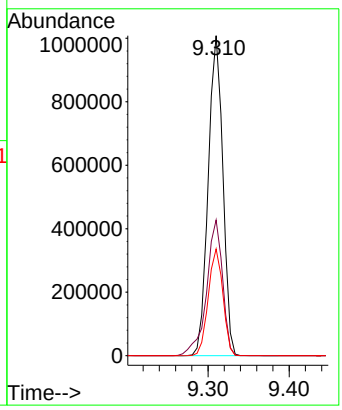


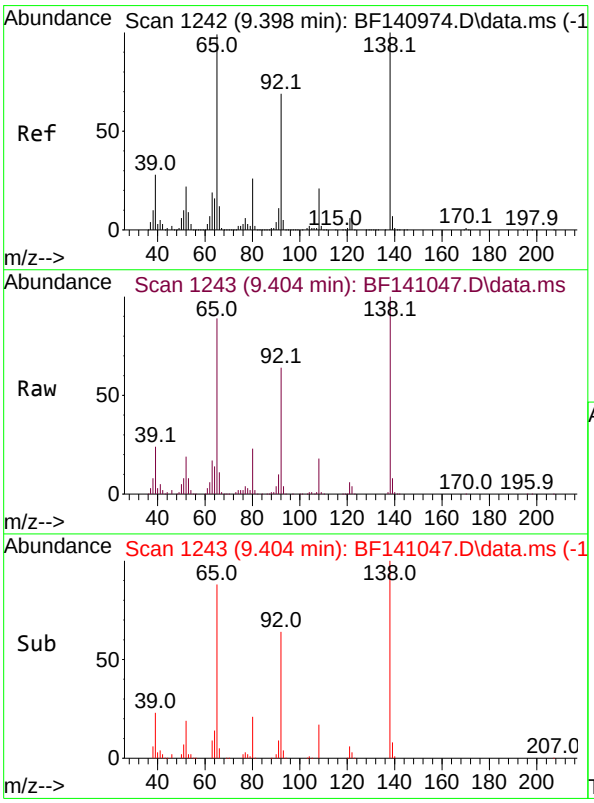
#47
2-Chloronaphthalene
Concen: 39.184 ng
RT: 9.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1259180

Ion	Ratio	Lower	Upper
162	100		
127	42.4	34.2	51.4
164	33.3	26.6	40.0

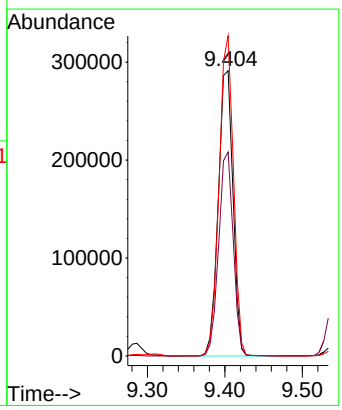


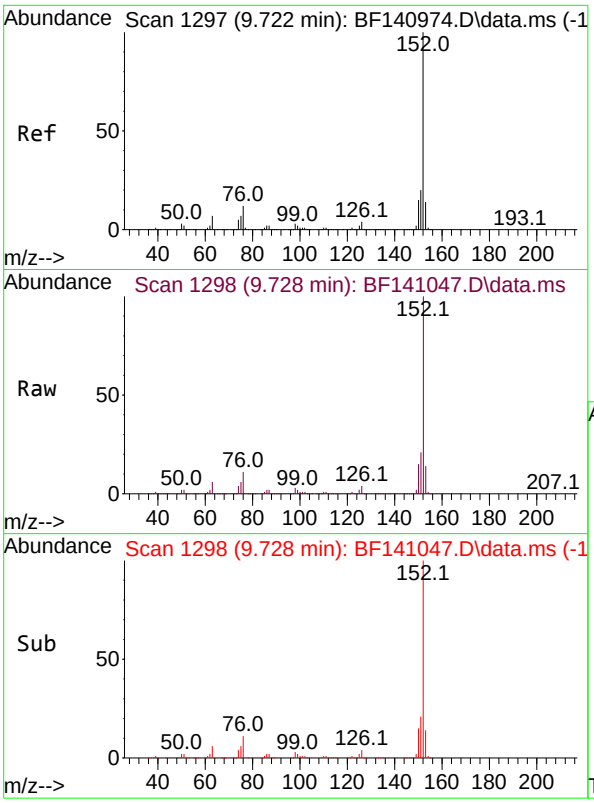


#48
2-Nitroaniline
Concen: 46.103 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion: 65 Resp: 385872

Ion	Ratio	Lower	Upper
65	100		
92	71.5	55.6	83.4
138	112.2	80.5	120.7



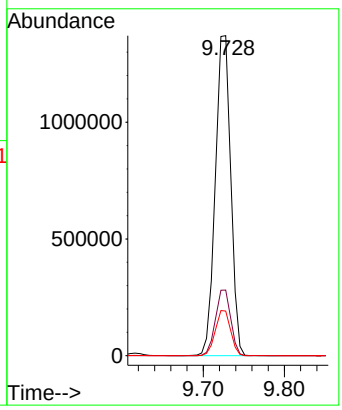


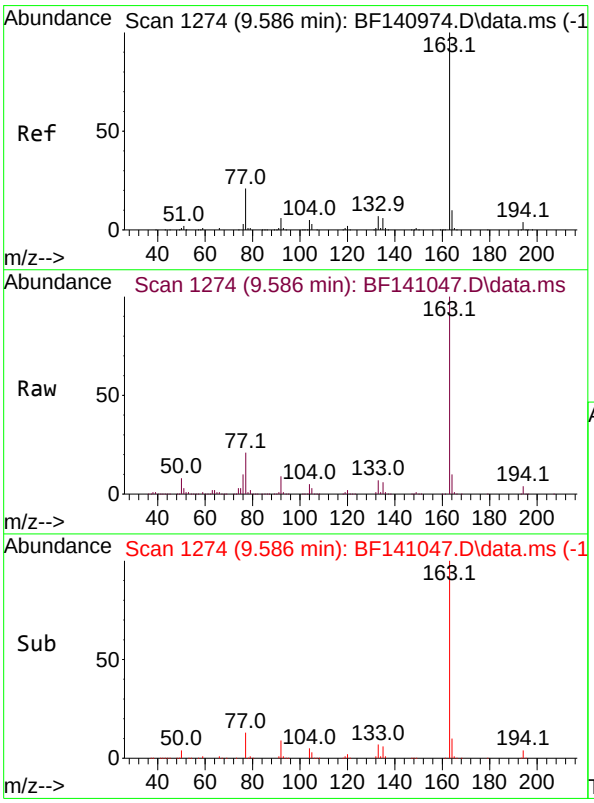
#49
Acenaphthylene
Concen: 39.203 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1813534

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4
153	13.9	11.4	17.0

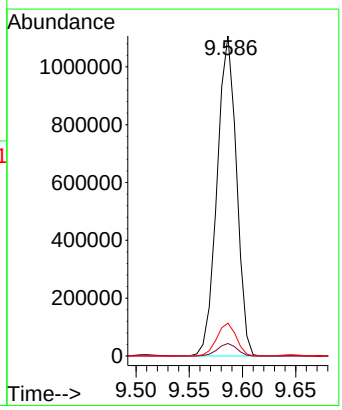


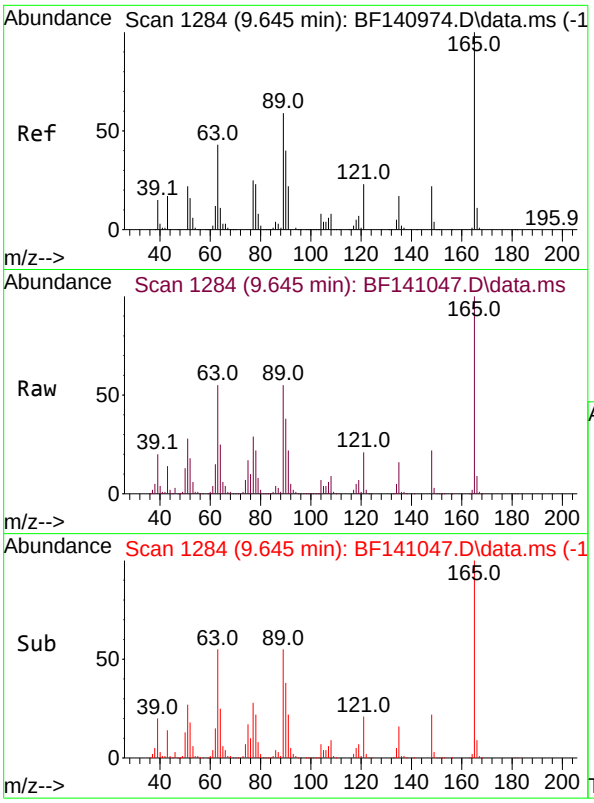


#50
Dimethylphthalate
Concen: 39.405 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:163 Resp: 1402578

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.3	8.3	12.5



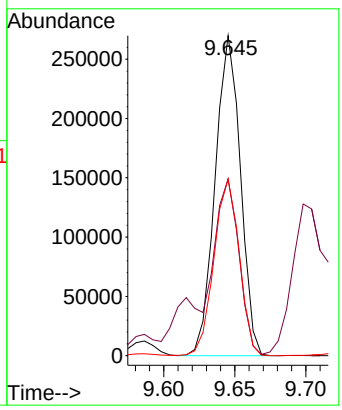


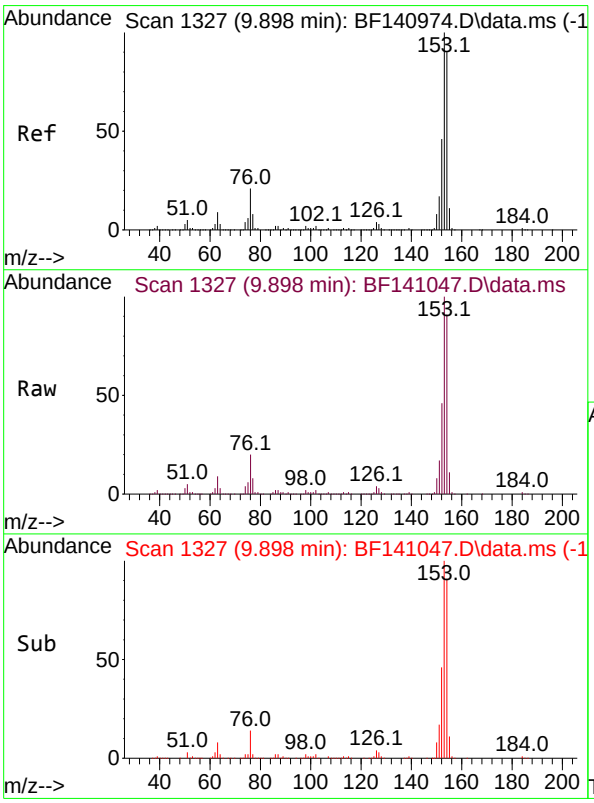
#51
2,6-Dinitrotoluene
Concen: 46.104 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 333533

Ion	Ratio	Lower	Upper
165	100		
63	55.2	47.1	70.7
89	55.2	47.0	70.4

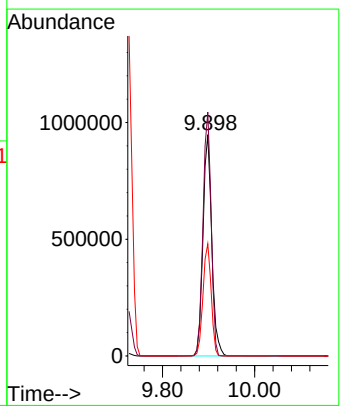


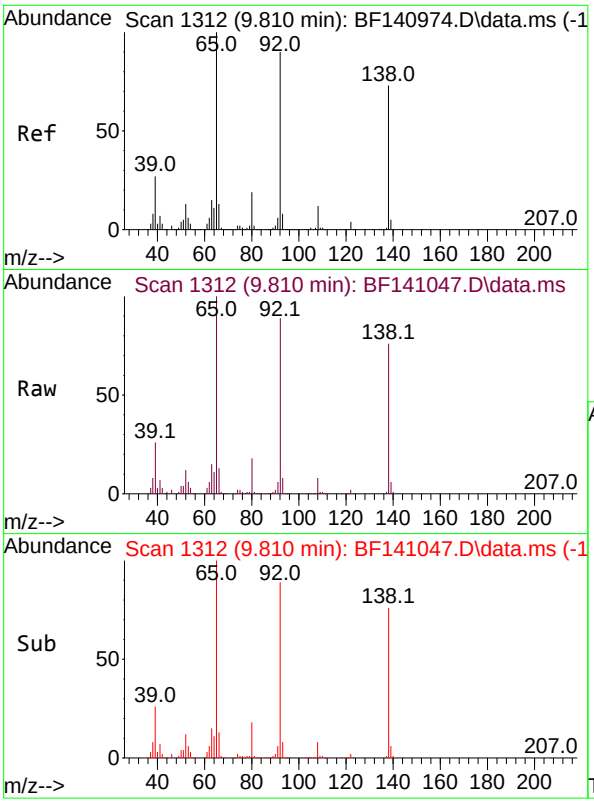


#52
Acenaphthene
Concen: 40.520 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:154 Resp: 1267239

Ion	Ratio	Lower	Upper
154	100		
153	110.2	89.2	133.8
152	50.7	40.9	61.3



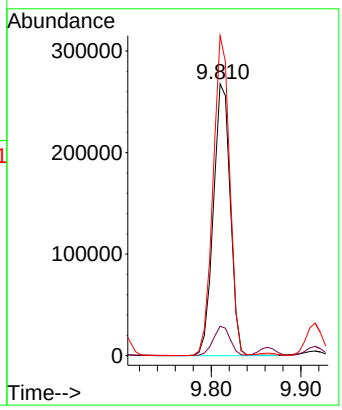


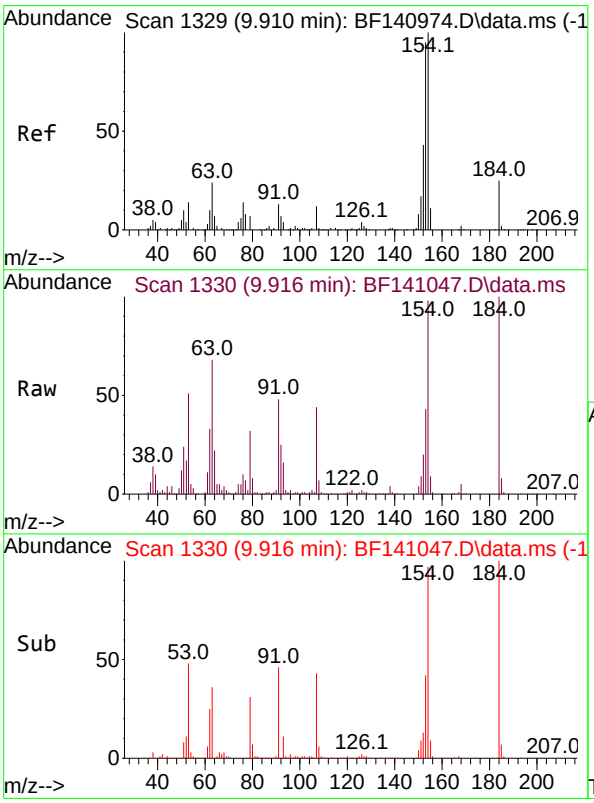
#53
3-Nitroaniline
Concen: 44.551 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 349707

Ion	Ratio	Lower	Upper
138	100		
108	10.8	13.5	20.3#
92	117.7	97.7	146.5

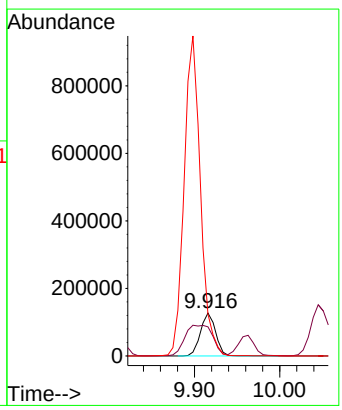


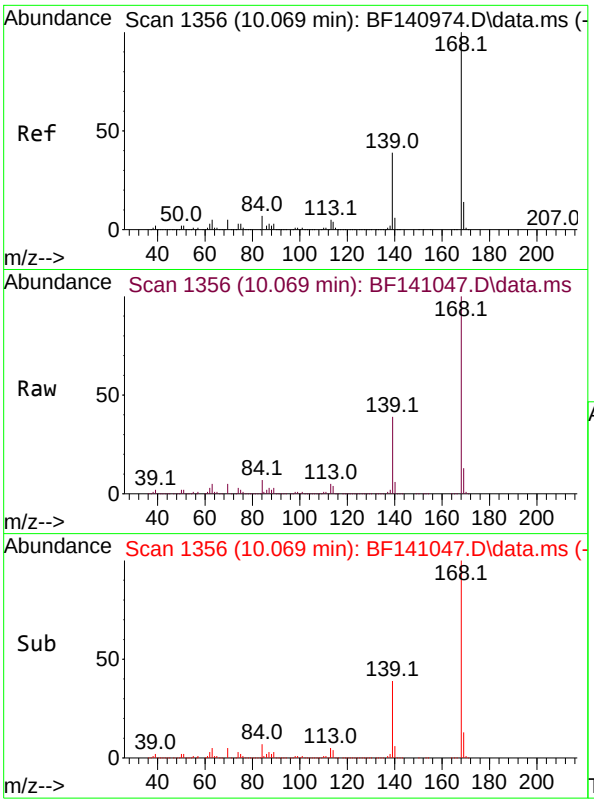


#54
2,4-Dinitrophenol
Concen: 61.568 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:184 Resp: 156863

Ion	Ratio	Lower	Upper
184	100		
63	68.2	81.6	122.4#
154	97.5	363.5	545.3#



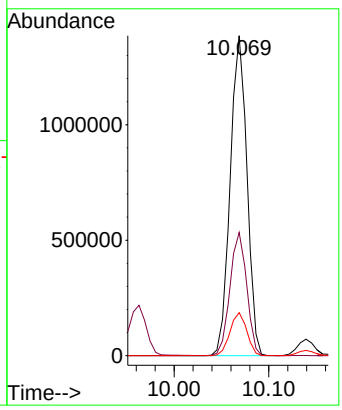


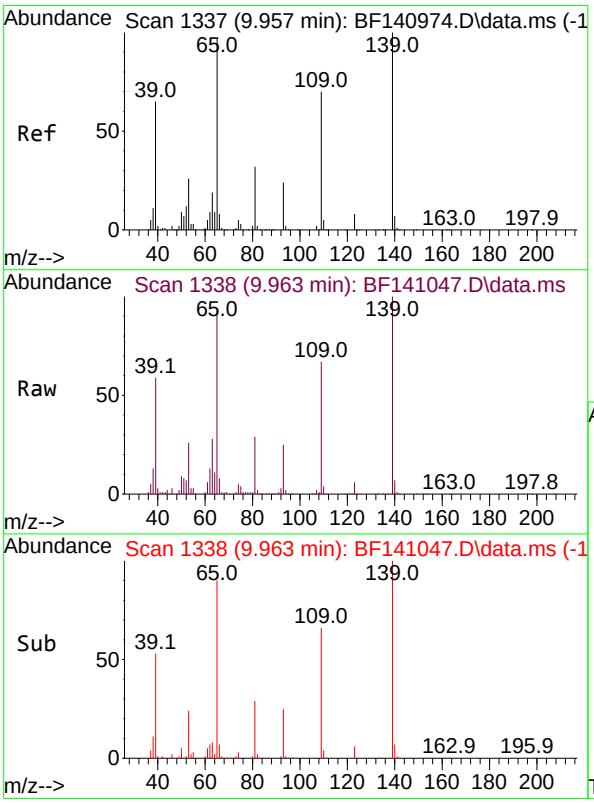
#55
Dibenzofuran
Concen: 38.783 ng
RT: 10.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1704562

Ion	Ratio	Lower	Upper
168	100		
139	38.5	31.6	47.4
169	13.5	11.0	16.6

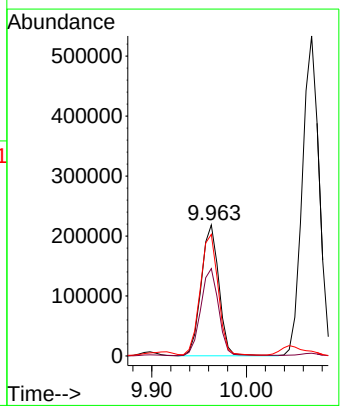


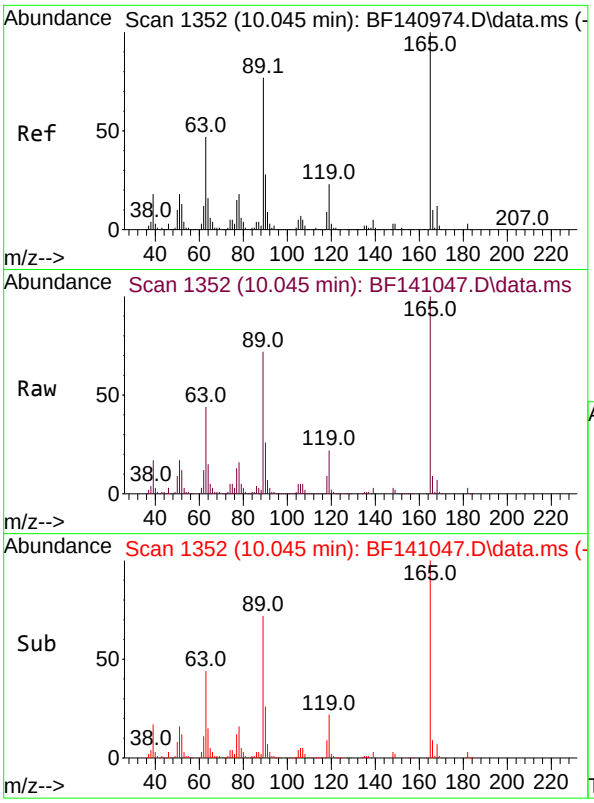


#56
4-Nitrophenol
Concen: 46.391 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:139 Resp: 282460

Ion	Ratio	Lower	Upper
139	100		
109	66.7	50.8	90.8
65	92.7	78.5	118.5



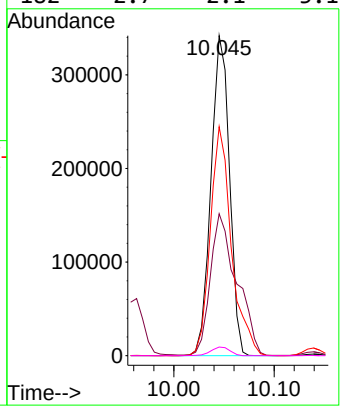


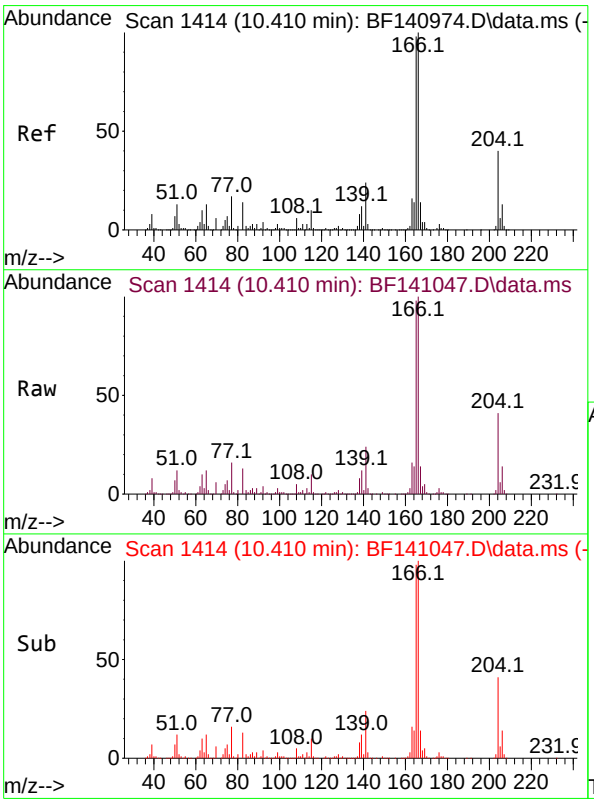
#57
2,4-Dinitrotoluene
Concen: 49.100 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 437151

Ion	Ratio	Lower	Upper
165	100		
63	44.3	38.1	57.1
89	71.6	61.4	92.2
182	2.7	2.1	3.1

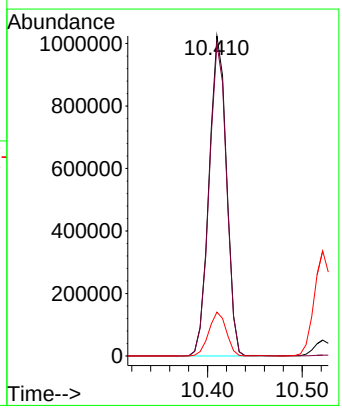


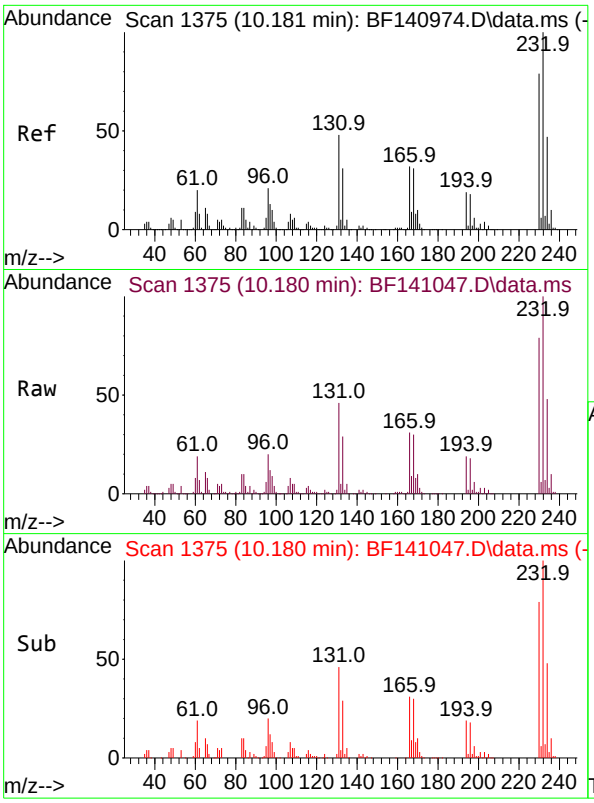


#58
Fluorene
Concen: 38.381 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:166 Resp: 1308111

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.3	117.5
167	13.7	10.9	16.3



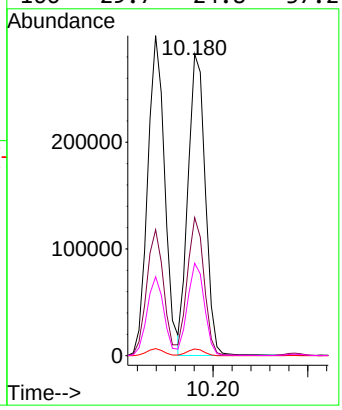


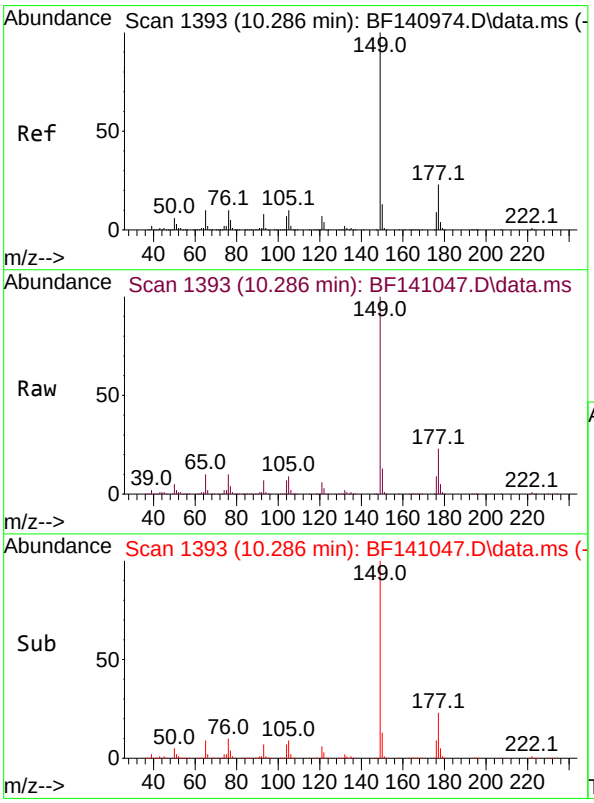
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.528 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 357083

Ion	Ratio	Lower	Upper
232	100		
131	45.1	37.4	56.2
130	2.2	1.8	2.8
166	29.7	24.8	37.2

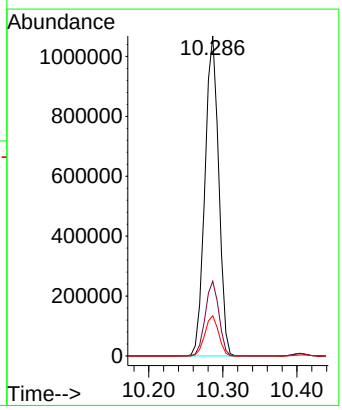


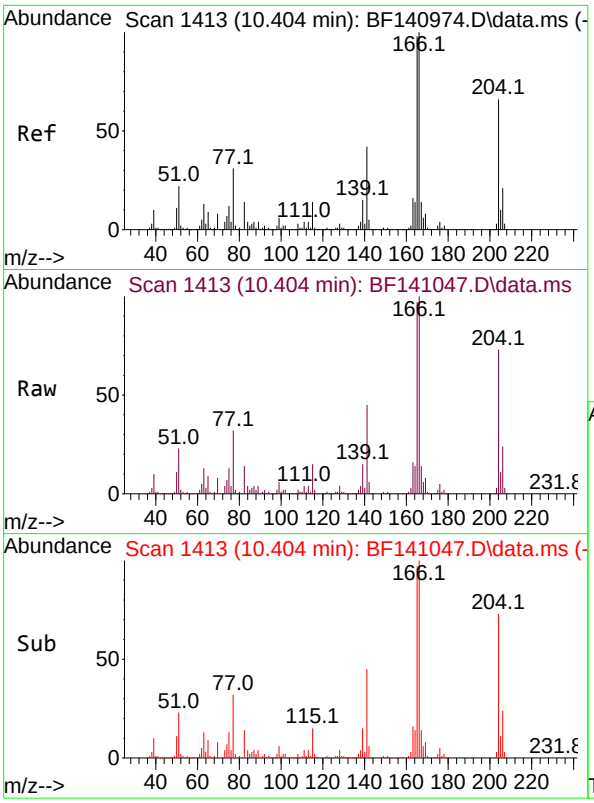


#60
Diethylphthalate
Concen: 39.252 ng
RT: 10.286 min Scan# 1393
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:149 Resp: 1379308

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.3	27.5
150	12.6	10.4	15.6



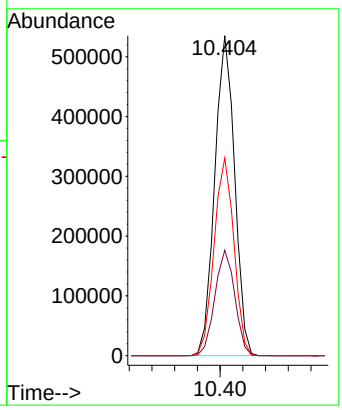


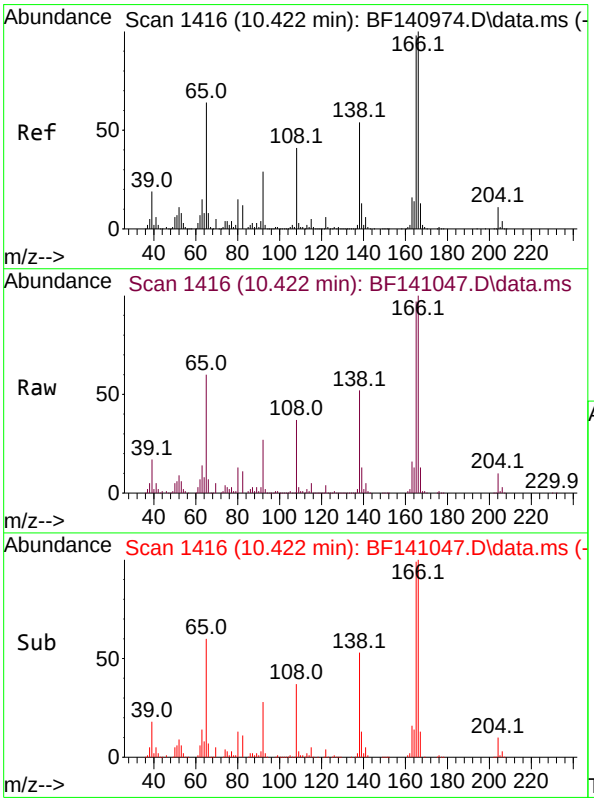
#61
4-Chlorophenyl-phenylether
Concen: 39.712 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 651251

Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.8	38.6
141	61.7	51.2	76.8

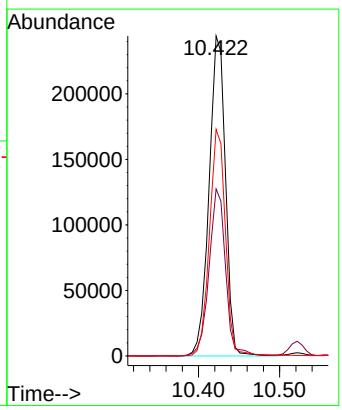


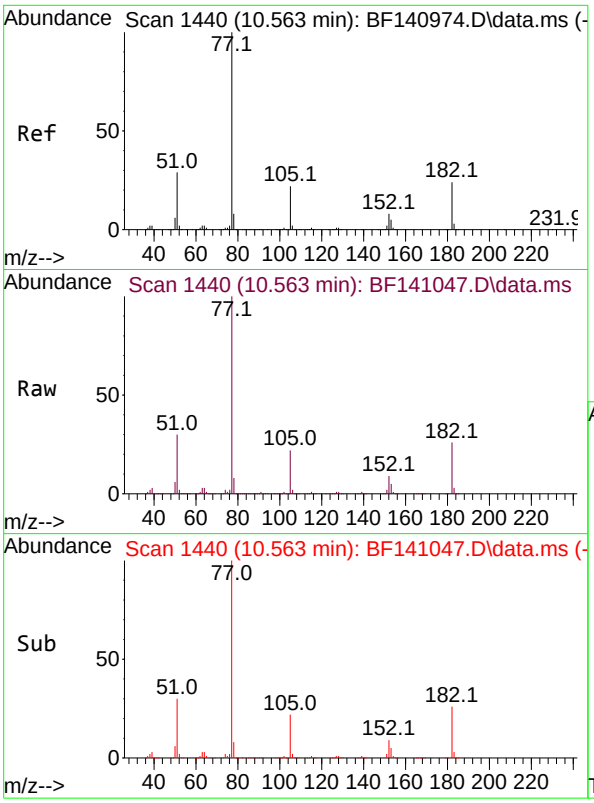


#62
4-Nitroaniline
Concen: 43.755 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:138 Resp: 342558

Ion	Ratio	Lower	Upper
138	100		
92	52.2	34.8	74.8
108	70.8	55.9	95.9



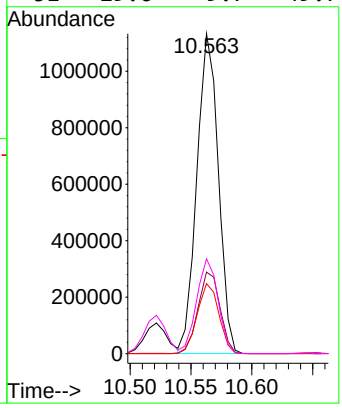


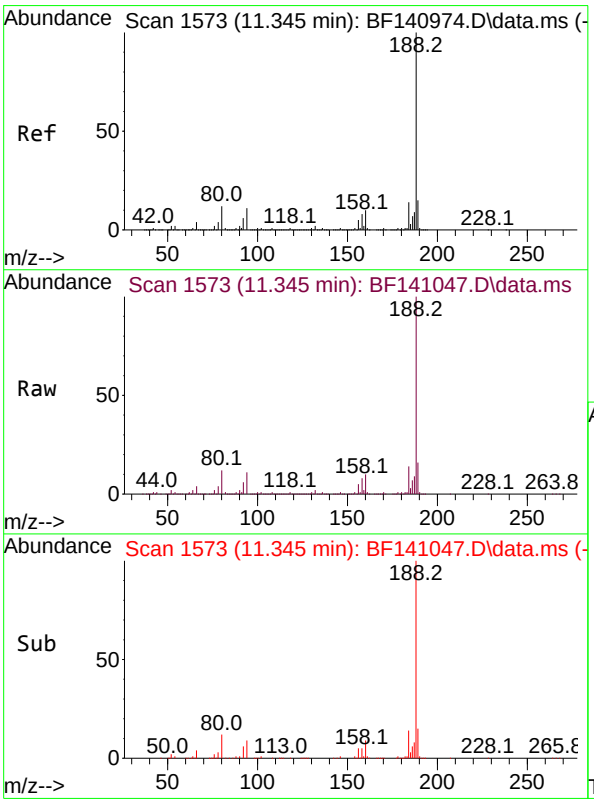
#63
Azobenzene
Concen: 37.738 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1391923

Ion	Ratio	Lower	Upper
77	100		
182	25.5	4.1	44.1
105	21.9	1.8	41.8
51	29.6	9.7	49.7

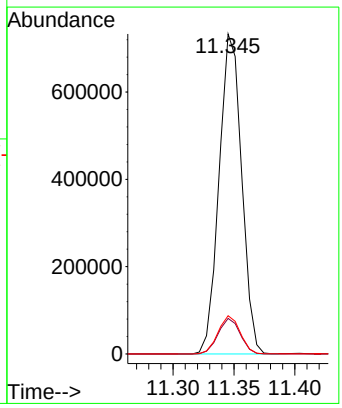


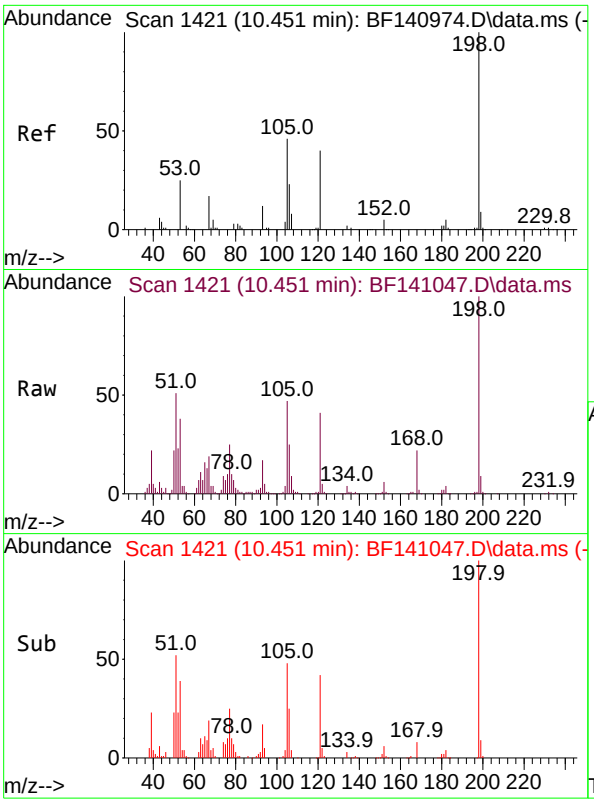


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:188 Resp: 944319

Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.0	13.6
80	12.0	9.8	14.6



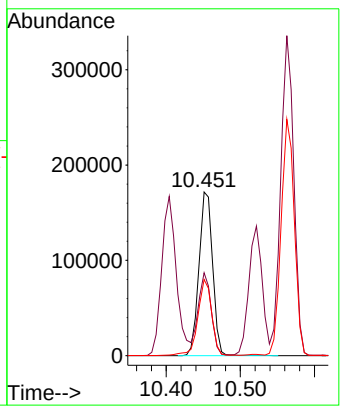


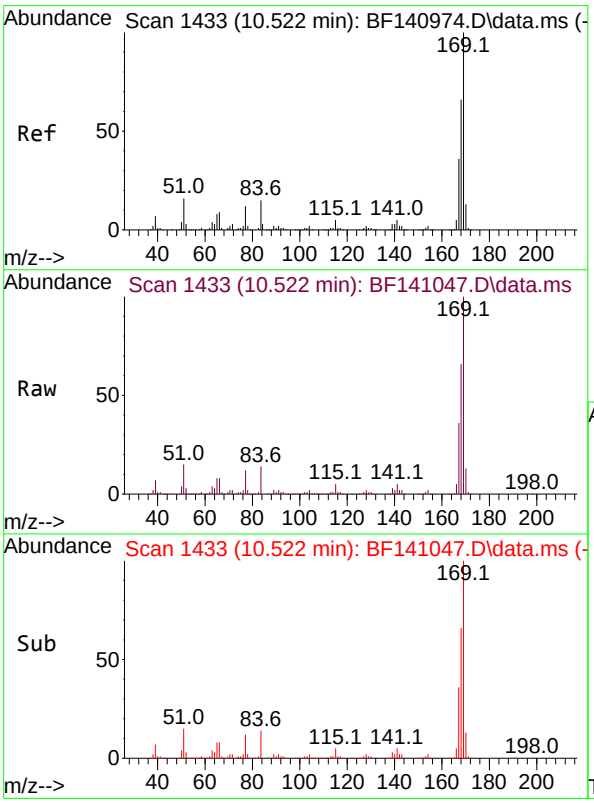
#65
4,6-Dinitro-2-methylphenol
Concen: 56.489 ng
RT: 10.451 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 220410

Ion	Ratio	Lower	Upper
198	100		
51	50.7	32.3	72.3
105	46.5	28.4	68.4

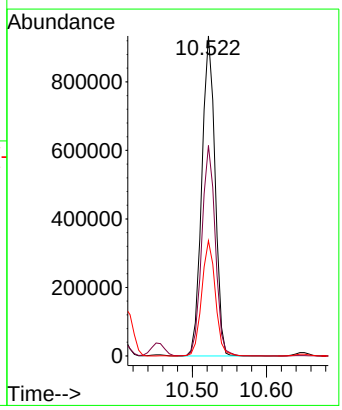


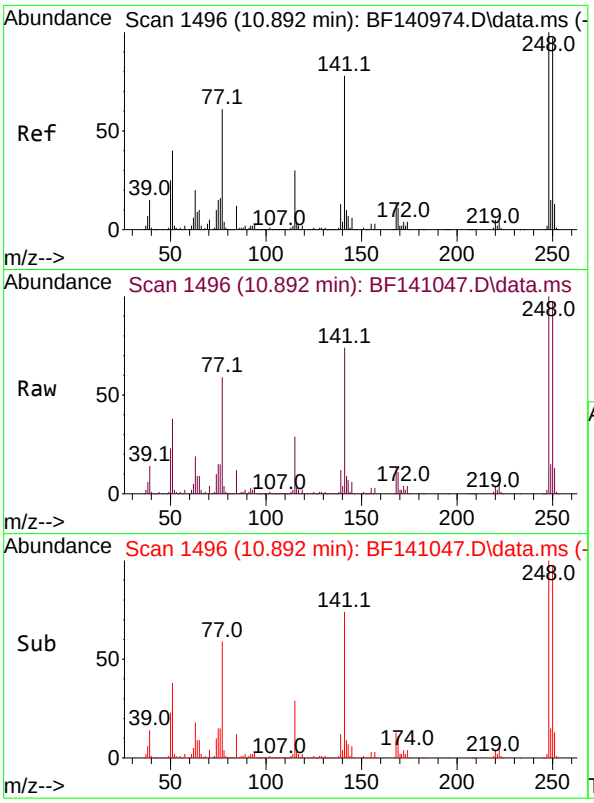


#66
n-Nitrosodiphenylamine
Concen: 39.190 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:169 Resp: 1165374

Ion	Ratio	Lower	Upper
169	100		
168	65.8	52.6	79.0
167	36.0	29.0	43.4



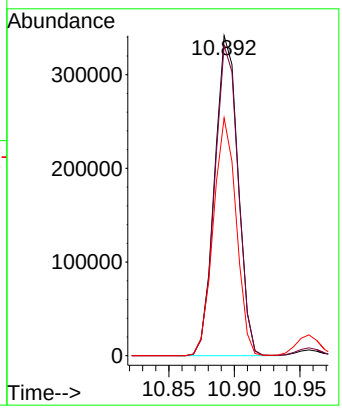


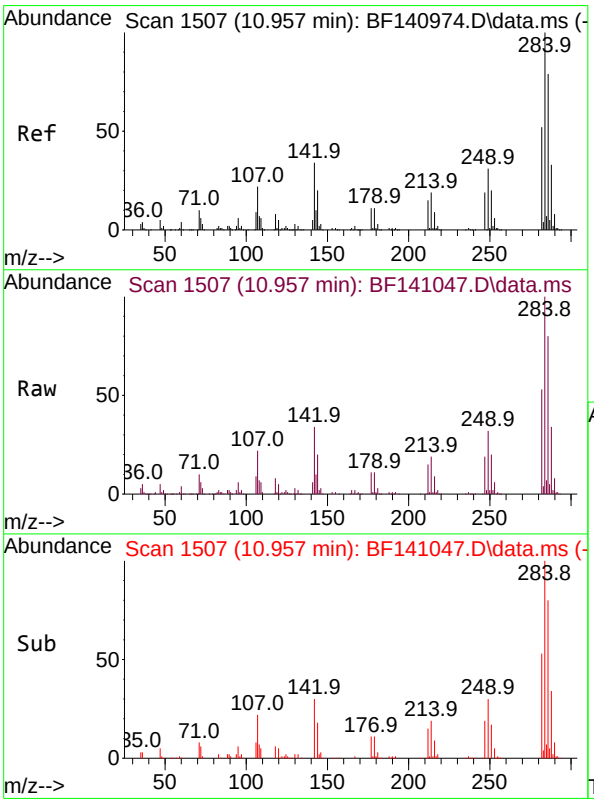
#67
4-Bromophenyl-phenylether
Concen: 41.503 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 423670

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.7	116.5
141	74.3	62.1	93.1

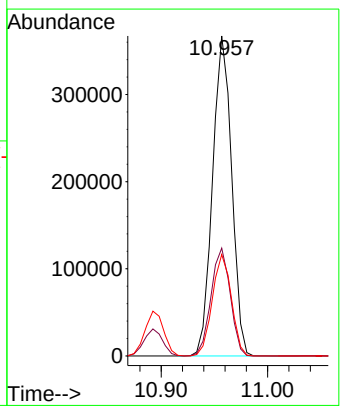


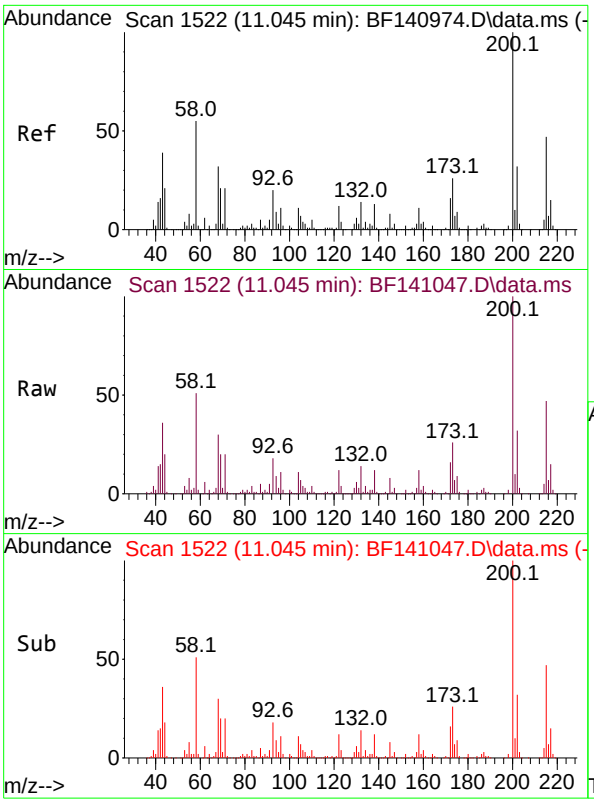


#68
Hexachlorobenzene
Concen: 40.596 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:284 Resp: 456958

Ion	Ratio	Lower	Upper
284	100		
142	33.7	27.1	40.7
249	31.7	25.1	37.7



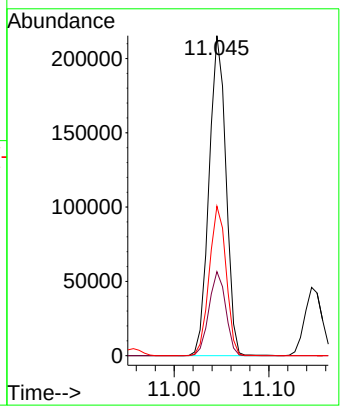


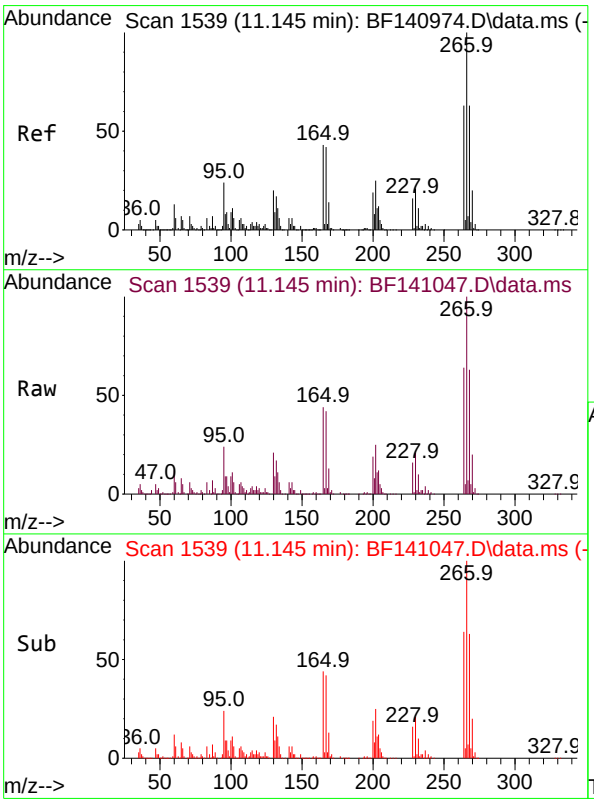
#69
Atrazine
Concen: 32.006 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 265890

Ion	Ratio	Lower	Upper
200	100		
173	26.3	6.4	46.4
215	46.7	27.2	67.2

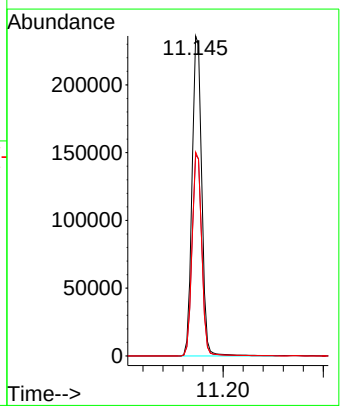


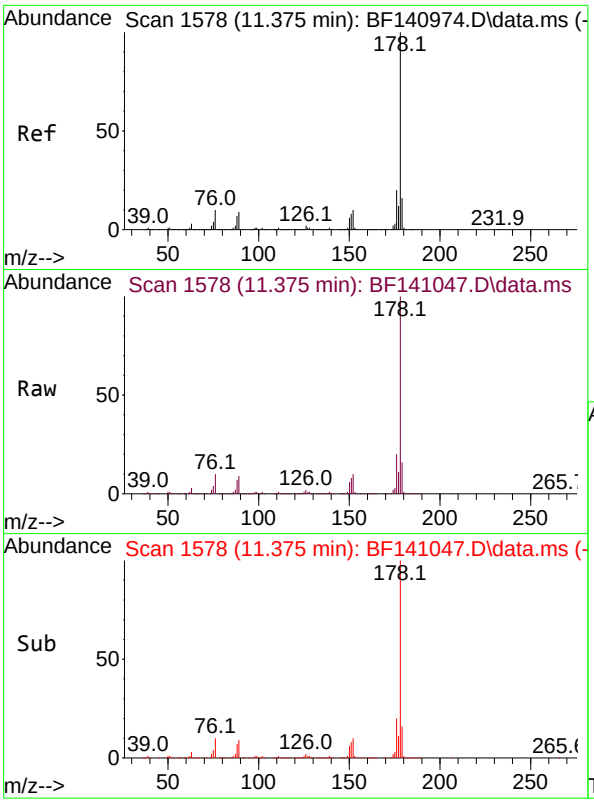


#70
Pentachlorophenol
Concen: 45.045 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:266 Resp: 315683

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.5	75.7
264	63.7	50.2	75.4



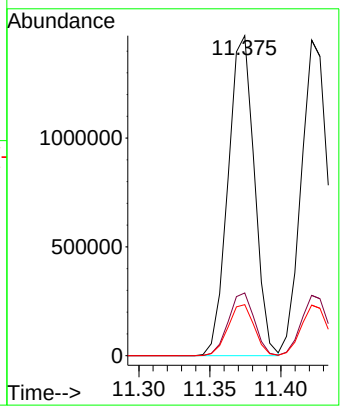


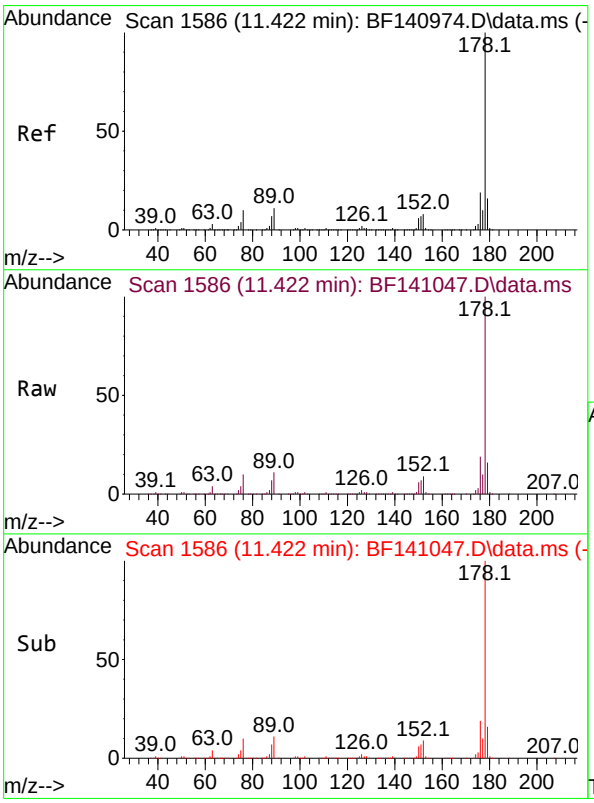
#71
Phenanthrene
Concen: 38.177 ng
RT: 11.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1897392

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	15.9	12.6	19.0

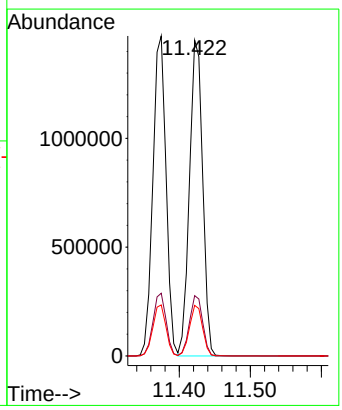


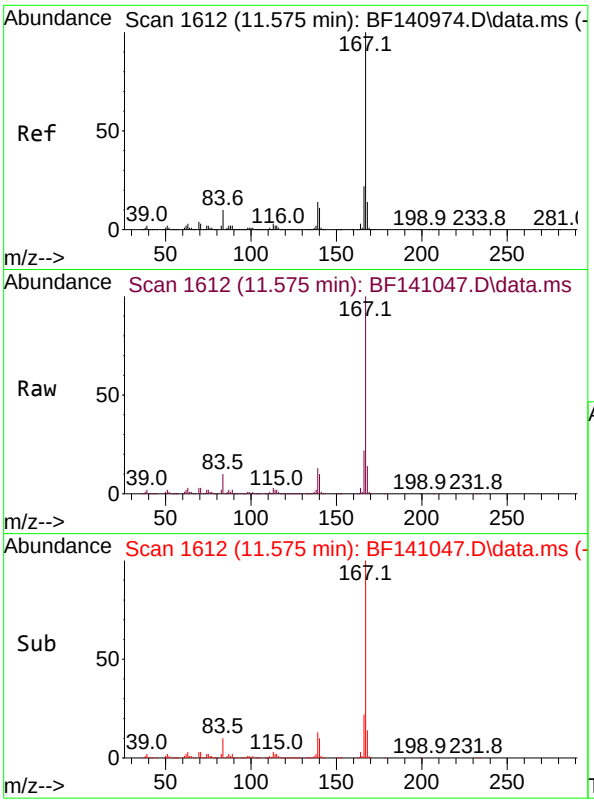


#72
Anthracene
Concen: 38.522 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:178 Resp: 1876029

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	16.0	12.9	19.3



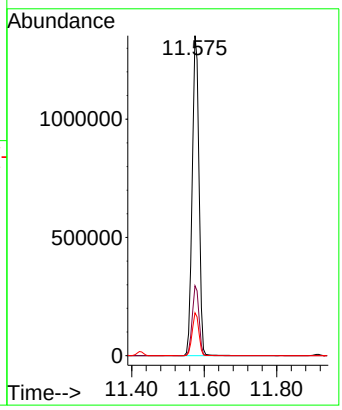


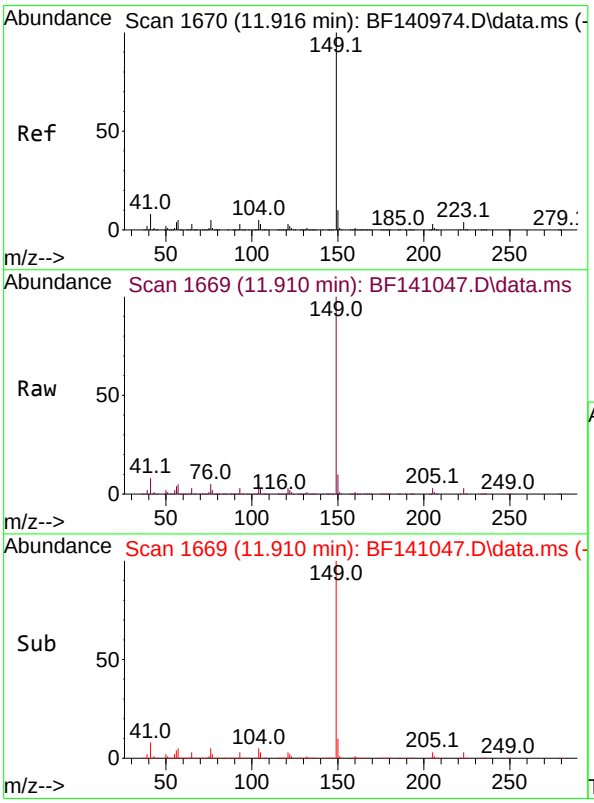
#73
Carbazole
Concen: 37.394 ng
RT: 11.575 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1750673

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.4	11.0	16.4

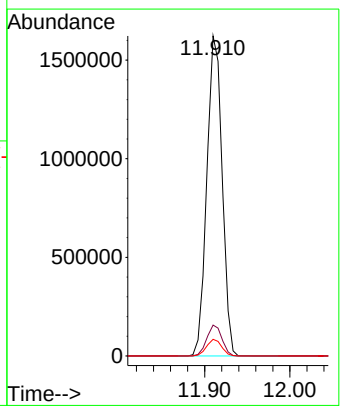


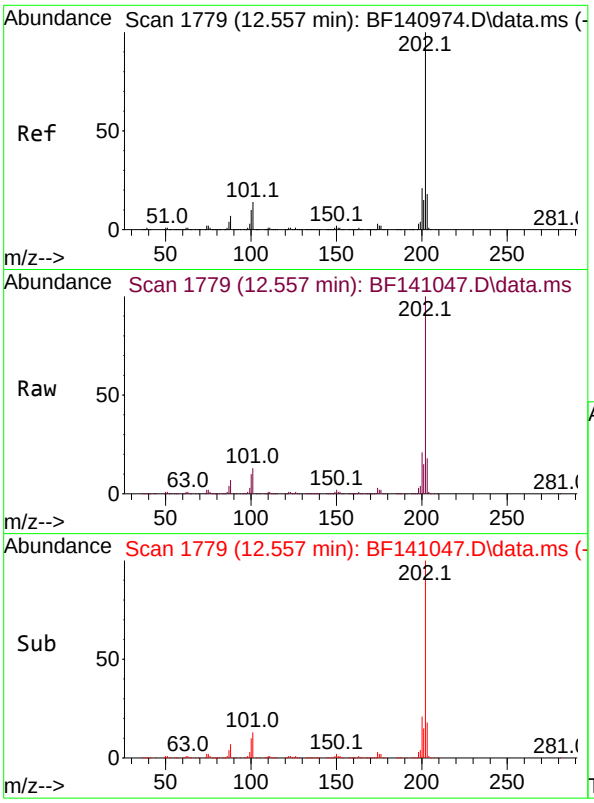


#74
Di-n-butylphthalate
Concen: 38.035 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:149 Resp: 2025342

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	5.2	4.1	6.1



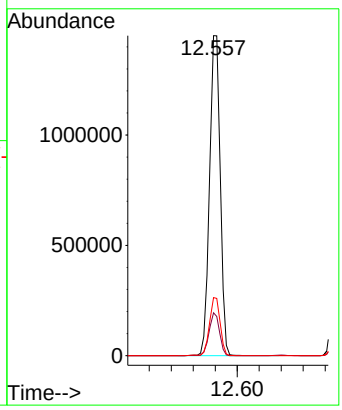


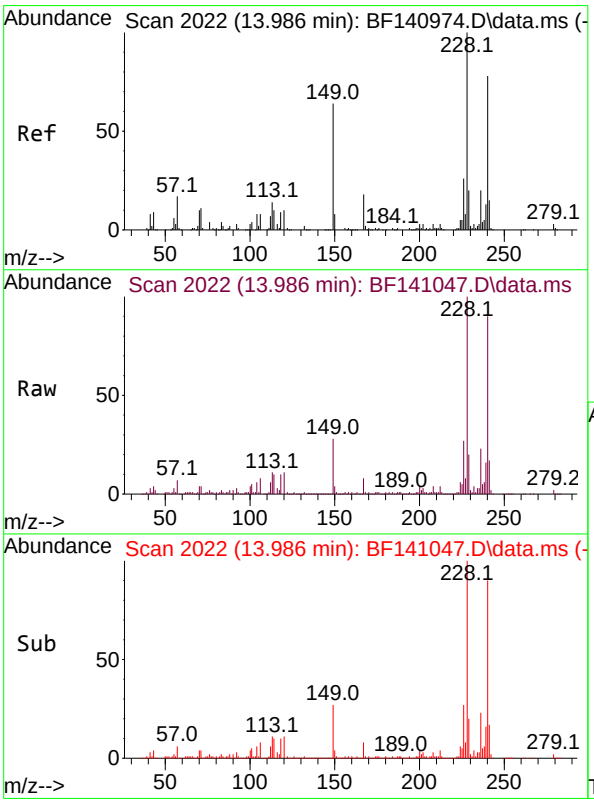
#75
Fluoranthene
Concen: 36.238 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1953344

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.7
203	18.1	0.0	38.1

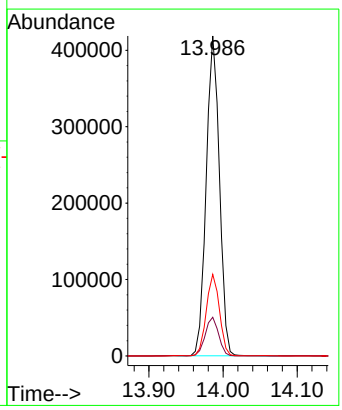


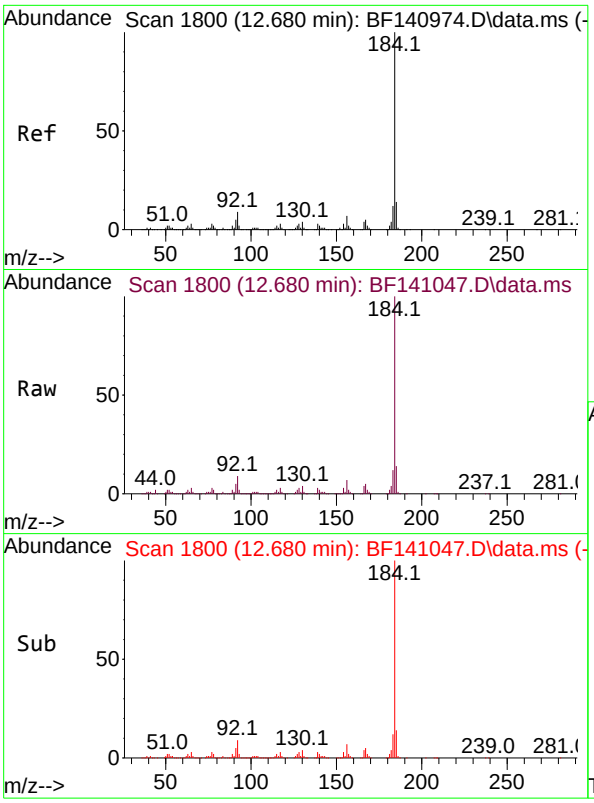


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:240 Resp: 516920

Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.7	16.1
236	25.5	20.6	31.0



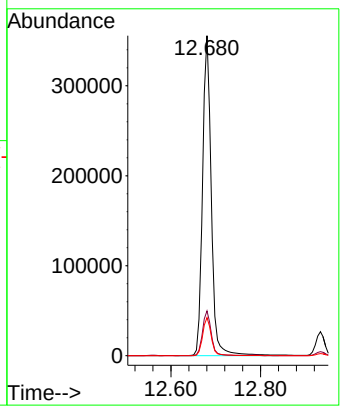


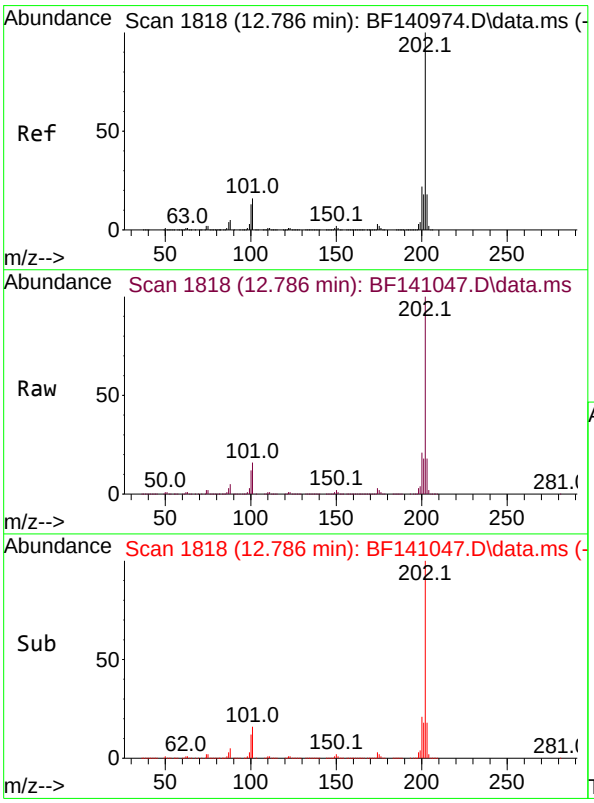
#77
Benzidine
Concen: 44.005 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 480734

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.4	17.2
183	11.9	9.4	14.0

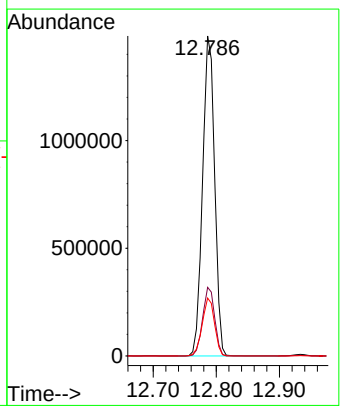


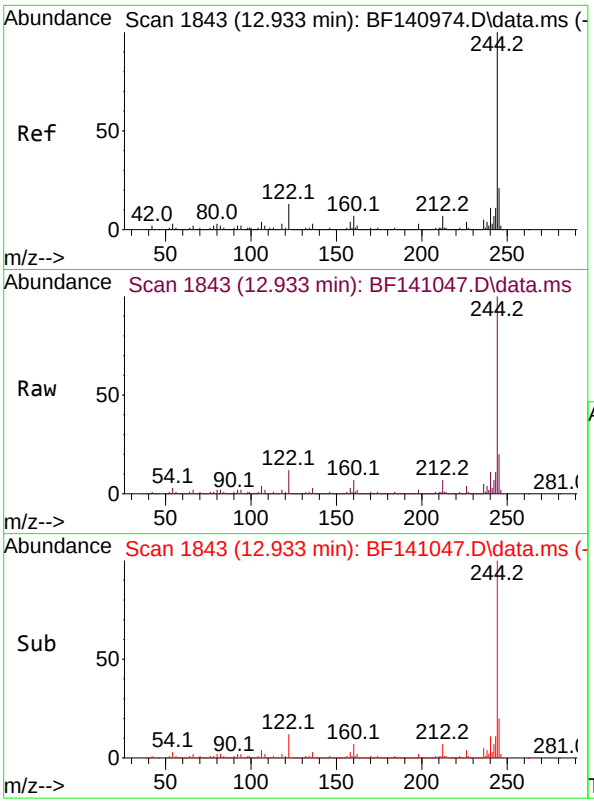


#78
Pyrene
Concen: 43.474 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:202 Resp: 1965413

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9
203	18.1	14.6	21.8



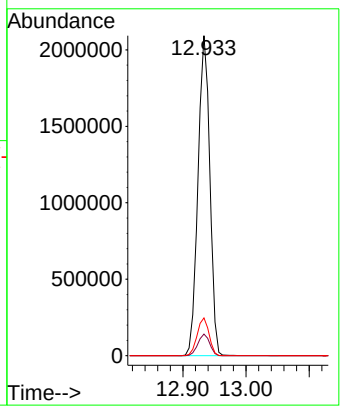


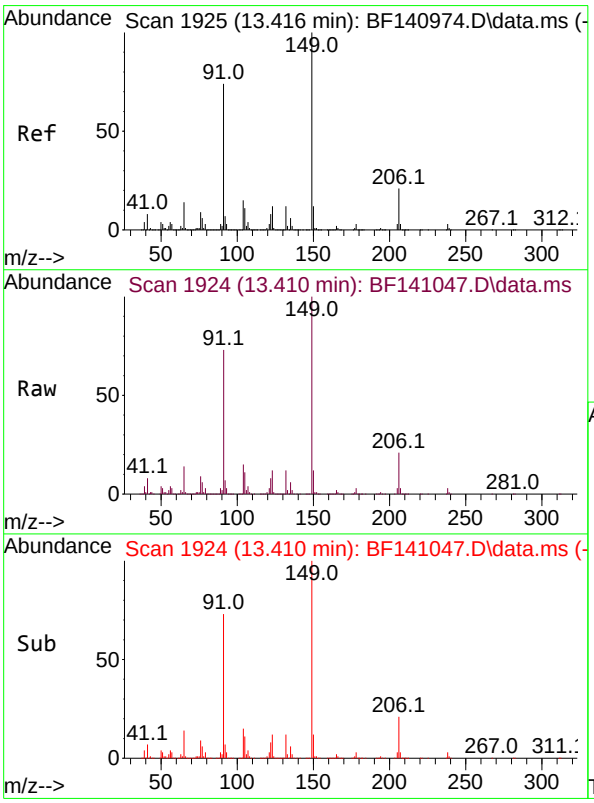
#79
Terphenyl-d14
Concen: 87.419 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 2720559

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	11.8	10.2	15.2

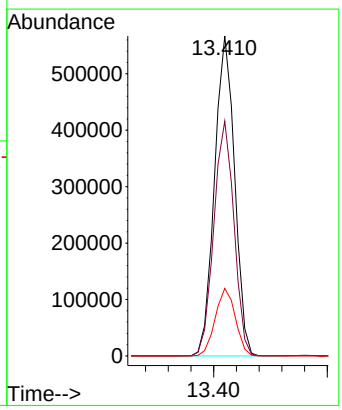


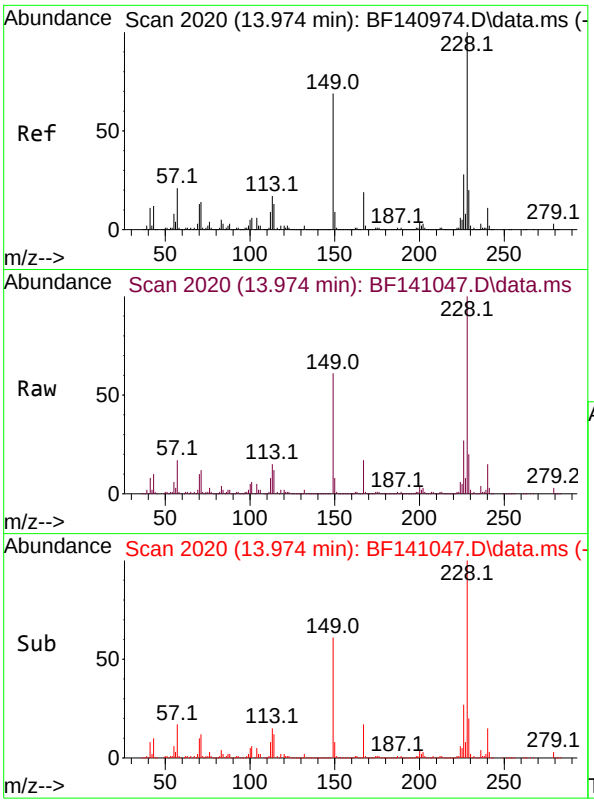


#80
Butylbenzylphthalate
Concen: 42.239 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:149 Resp: 697280

Ion	Ratio	Lower	Upper
149	100		
91	73.4	59.5	89.3
206	21.1	17.1	25.7



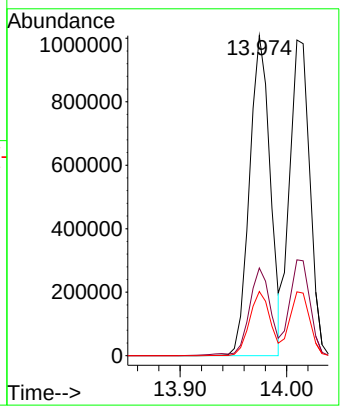


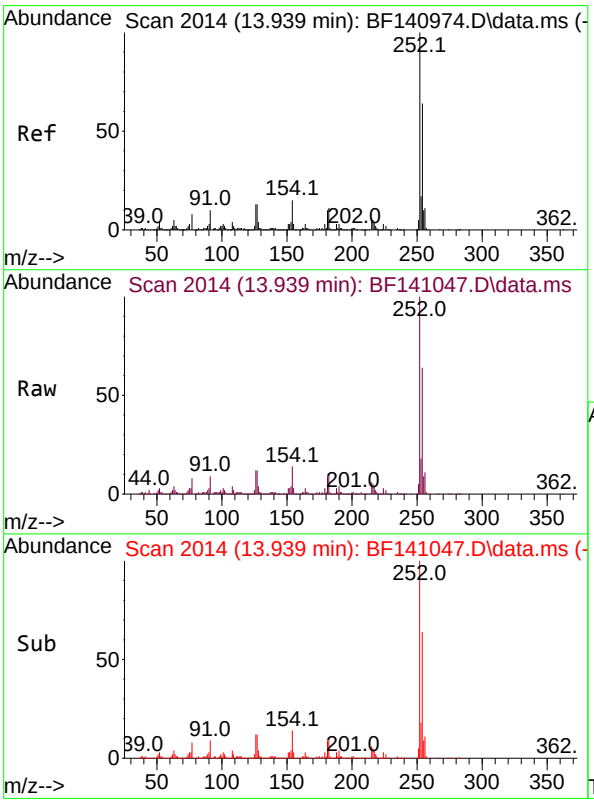
#81
Benzo(a)anthracene
Concen: 37.717 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1358803

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	20.0	16.2	24.2

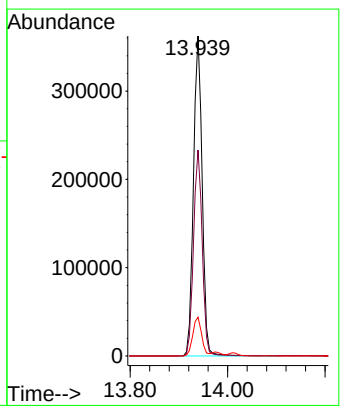


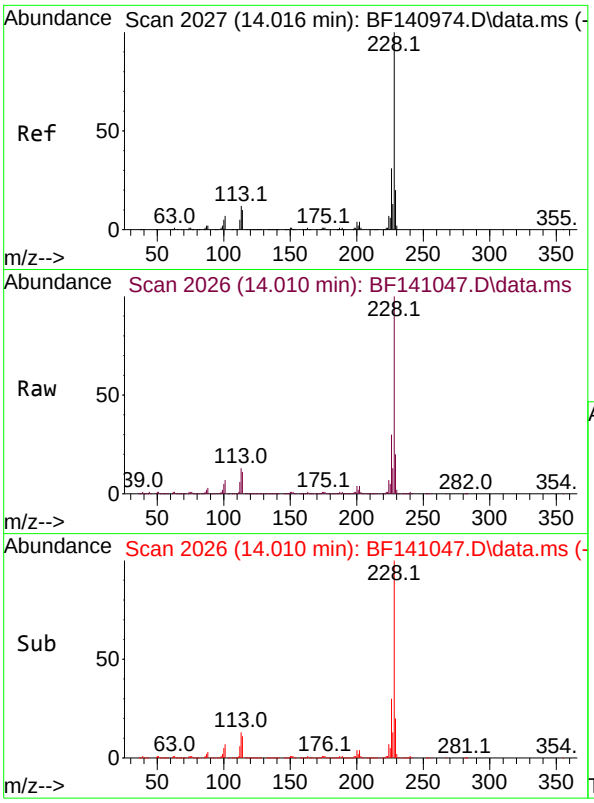


#82
3,3'-Dichlorobenzidine
Concen: 41.967 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:252 Resp: 454247

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	12.1	10.3	15.5



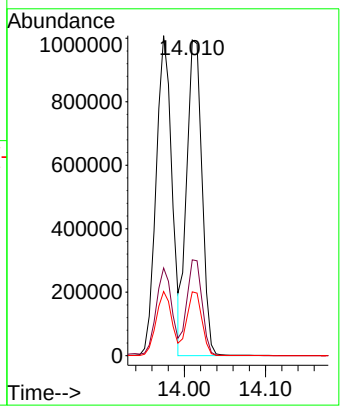


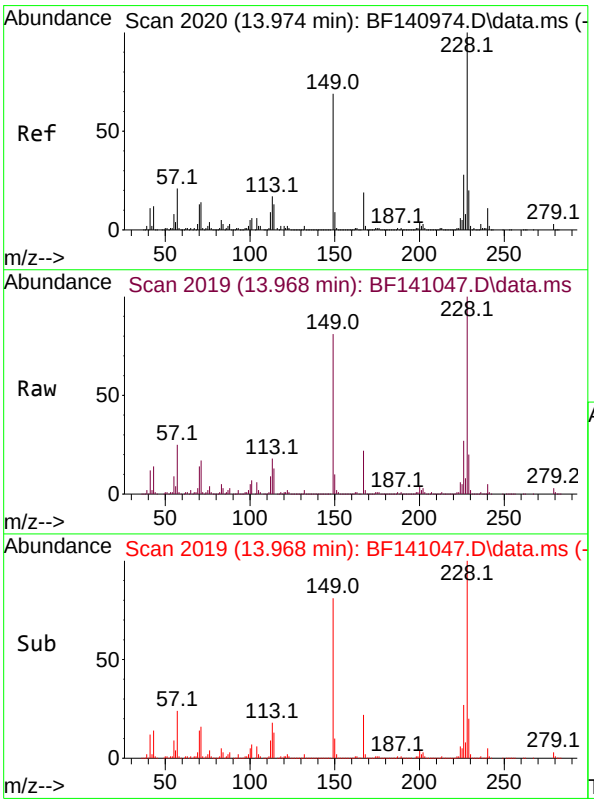
#83
Chrysene
Concen: 40.257 ng
RT: 14.010 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1307395

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.5	36.7
229	20.2	16.2	24.4

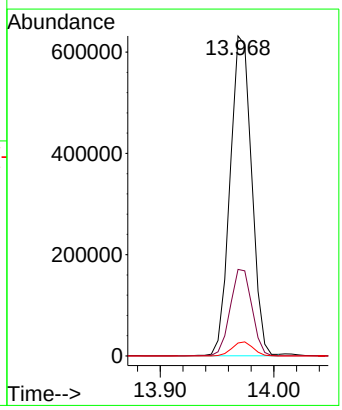


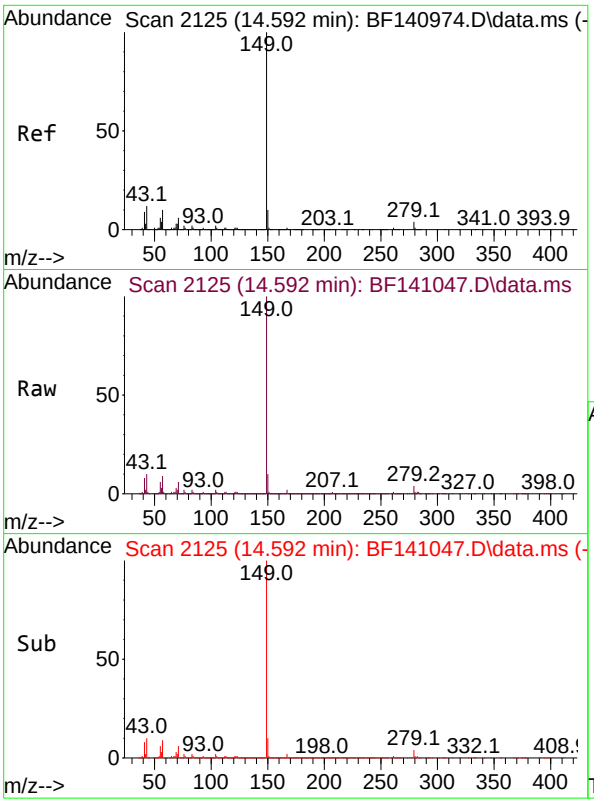


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.867 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:149 Resp: 832280

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.6	32.4
279	4.0	3.2	4.8



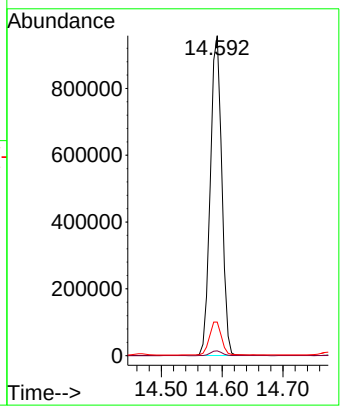


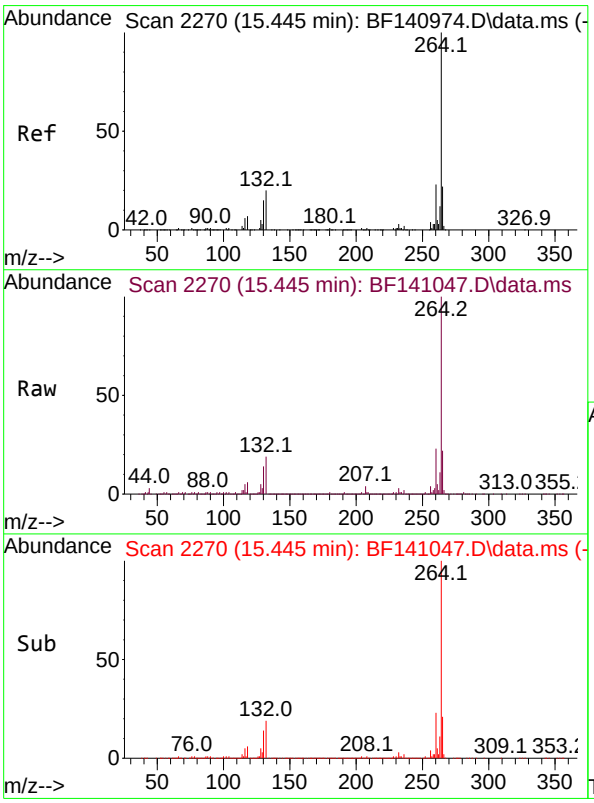
#85
Di-n-octyl phthalate
Concen: 40.408 ng
RT: 14.592 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 1252361

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.0	9.3	13.9

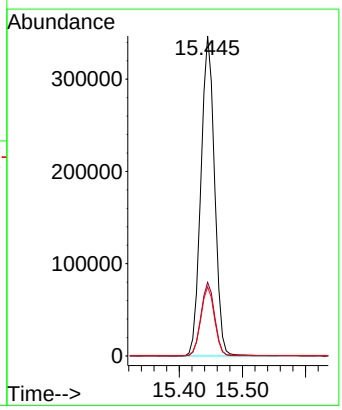


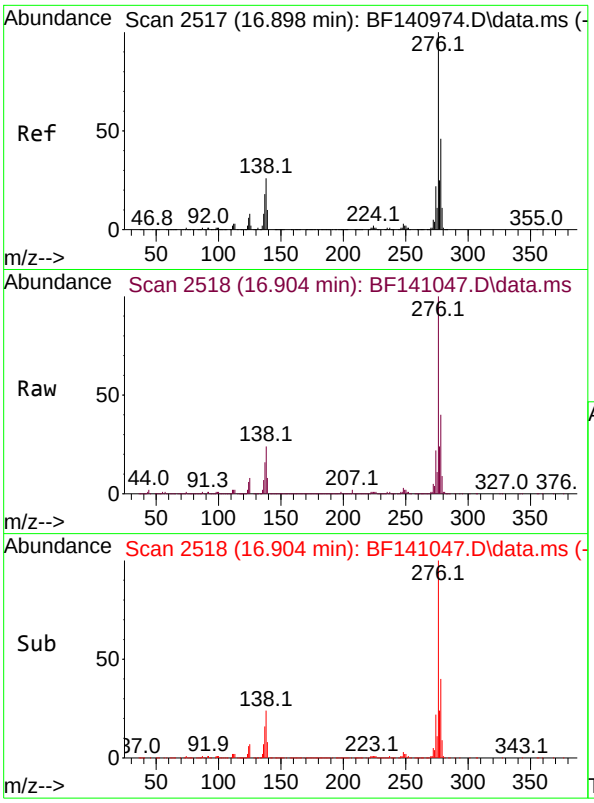


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:264 Resp: 521026

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.6	17.4	26.2



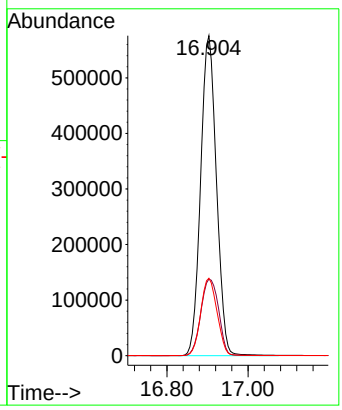


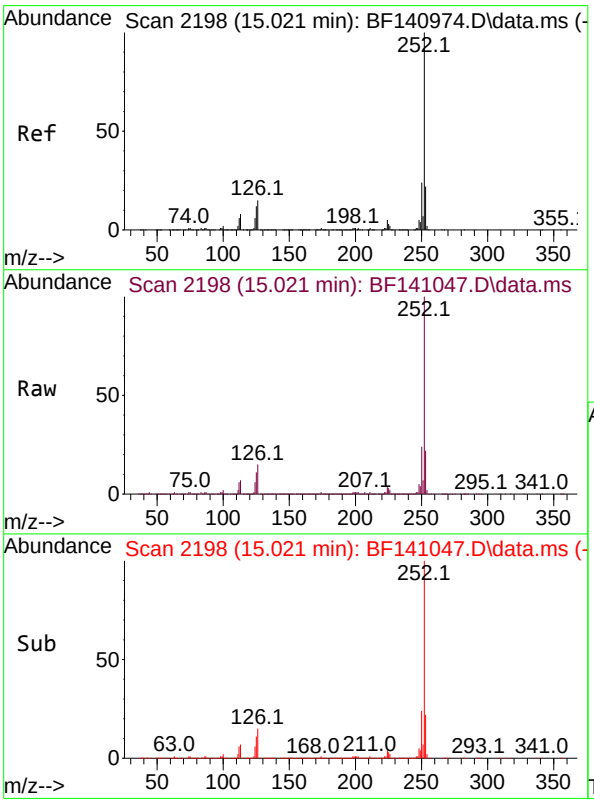
#87
Indeno(1,2,3-cd)pyrene
Concen: 47.468 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 1558168

Ion	Ratio	Lower	Upper
276	100		
138	26.8	23.1	34.7
277	25.1	20.4	30.6

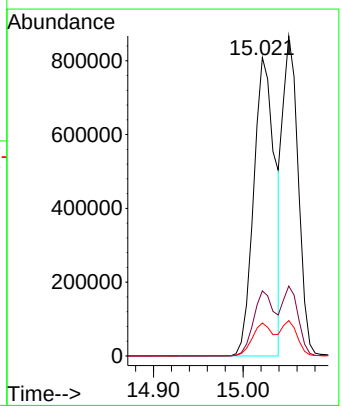


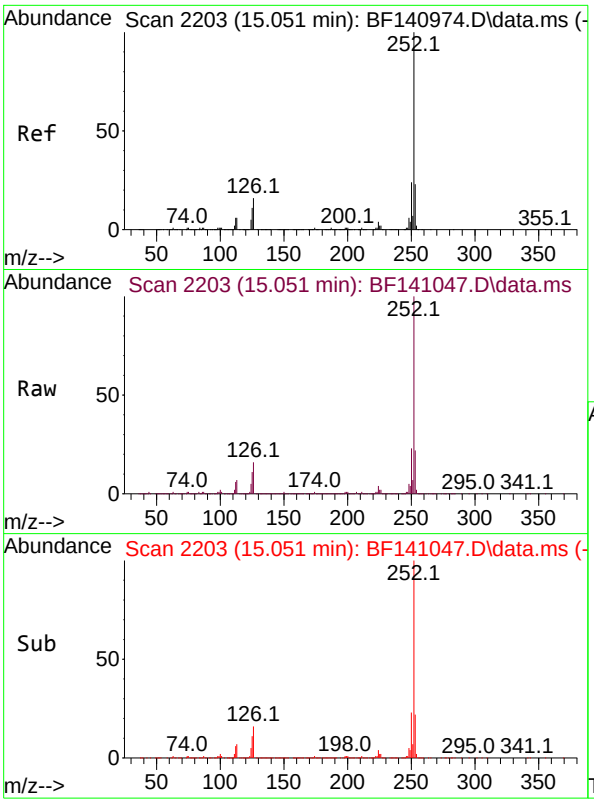


#88
Benzo(b)fluoranthene
Concen: 36.722 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:252 Resp: 1334435

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.1	9.3	13.9



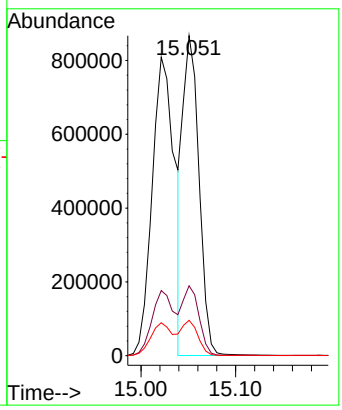


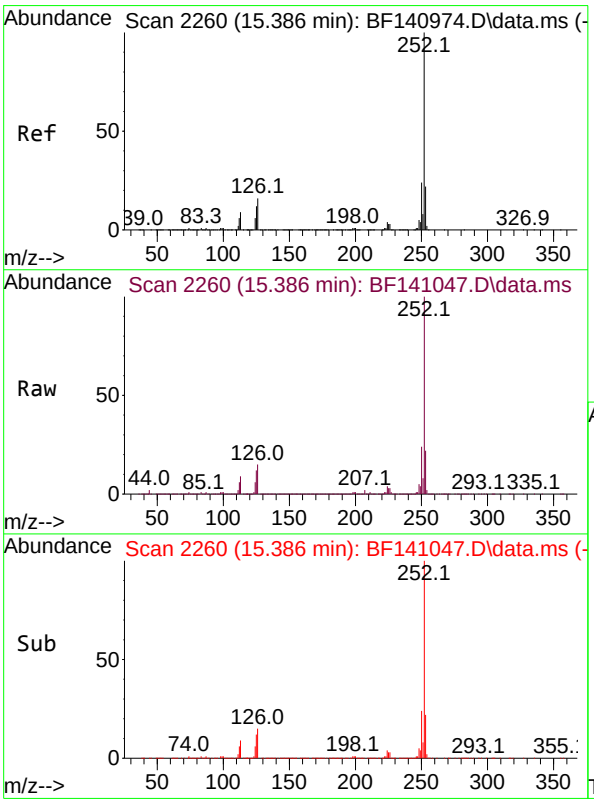
#89
Benzo(k)fluoranthene
Concen: 36.414 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 1037087

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	11.1	9.4	14.0

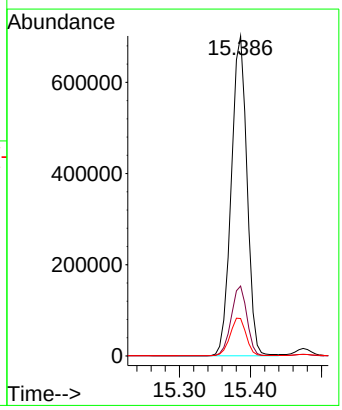


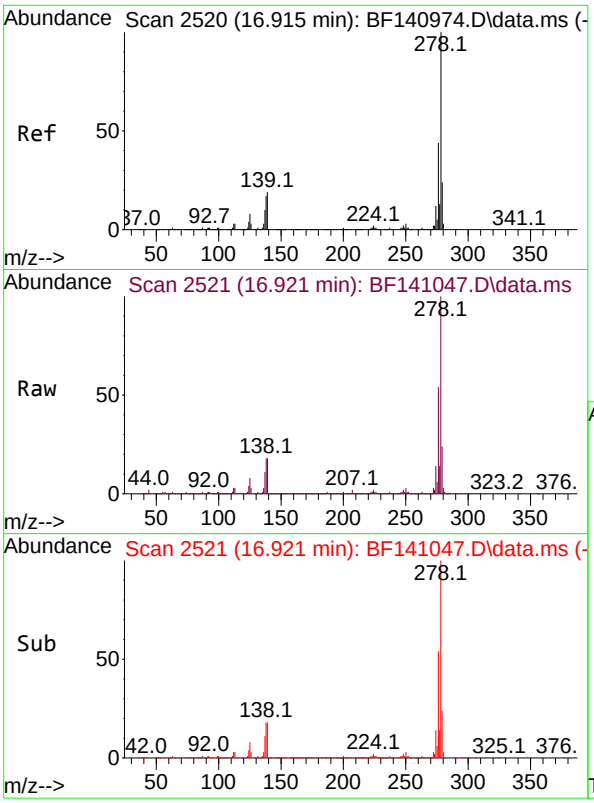


#90
Benzo(a)pyrene
Concen: 38.260 ng
RT: 15.386 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:252 Resp: 1079136

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	11.7	9.8	14.8



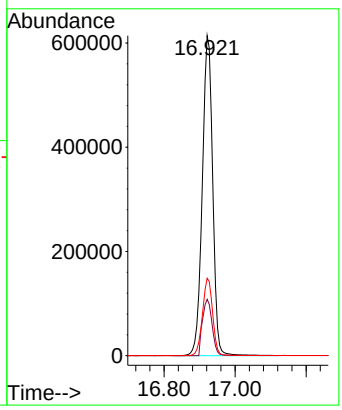


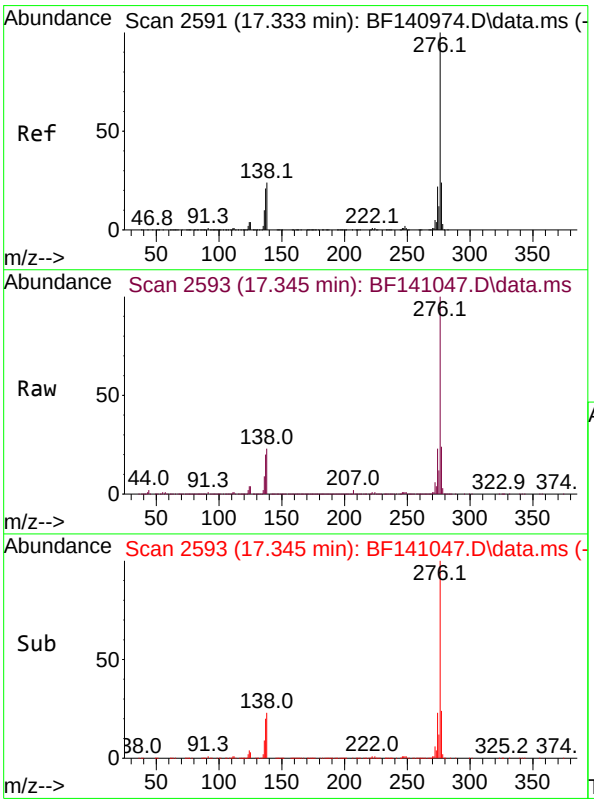
#91
Dibenzo(a,h)anthracene
Concen: 47.249 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 1257257

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.9	22.3
279	24.2	19.0	28.6

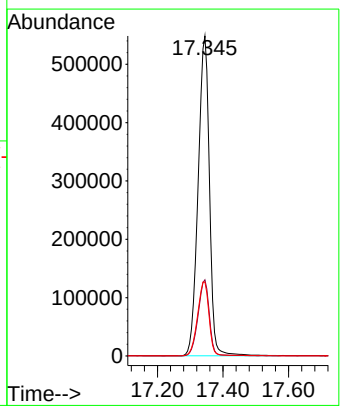




#92
Benzo(g,h,i)perylene
Concen: 47.848 ng
RT: 17.345 min Scan# 2593
Delta R.T. 0.012 min
Lab File: BF141047.D
Acq: 31 Dec 2024 09:50

Tgt Ion:276 Resp: 1320537

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	23.1	19.4	29.2



Sample Results: **BF141047.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141047.D
Acq On : 31 Dec 2024 09:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 31 10:37:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2		1,4-Dioxane	0.601	0.561	6.7	95	0.00
3		Pyridine	1.468	1.428	2.7	101	0.00
4		n-Nitrosodimethylamine	0.744	0.692	7.0	94	0.00
5	S	2-Fluorophenol	1.327	1.243	6.3	98	0.00
6		Aniline	1.524	1.476	3.1	93	-0.02
7	S	Phenol-d6	1.709	1.580	7.5	96	0.00
8		2-Chlorophenol	1.399	1.355	3.1	99	0.00
9		Benzaldehyde	0.941	0.944	-0.3	111	0.00
10	C	Phenol	1.767	1.718	2.8	100	0.00
11		bis(2-Chloroethyl)ether	1.427	1.282	10.2	95	0.00
12		1,3-Dichlorobenzene	1.544	1.489	3.6	100	0.00
13	C	1,4-Dichlorobenzene	1.556	1.504	3.3	101	0.00
14		1,2-Dichlorobenzene	1.451	1.387	4.4	99	0.00
15		Benzyl Alcohol	1.228	1.160	5.5	96	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	1.931	10.5	93	0.00
17		2-Methylphenol	1.162	1.106	4.8	97	0.00
18		Hexachloroethane	0.553	0.540	2.4	101	0.00
19	P	n-Nitroso-di-n-propylamine	1.047	0.936	10.6	94	0.00
20		3+4-Methylphenols	1.471	1.374	6.6	96	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	98	0.00
22		Acetophenone	0.491	0.453	7.7	95	0.00
23	S	Nitrobenzene-d5	0.313	0.363	-16.0	109	0.00
24		Nitrobenzene	0.349	0.386	-10.6	104	0.00
25		Isophorone	0.680	0.636	6.5	95	0.00
26	C	2-Nitrophenol	0.118	0.177	-50.0#	137	0.00
27		2,4-Dimethylphenol	0.249	0.240	3.6	98	0.00
28		bis(2-Chloroethoxy)methane	0.431	0.406	5.8	96	0.00
29	C	2,4-Dichlorophenol	0.282	0.284	-0.7	100	0.00
30		1,2,4-Trichlorobenzene	0.319	0.314	1.6	99	0.00
31		Naphthalene	1.054	1.003	4.8	97	0.00
32		Benzoic acid	0.178	0.242	-36.0#	134	0.00
33		4-Chloroaniline	0.381	0.361	5.2	97	0.00
34	C	Hexachlorobutadiene	0.188	0.188	0.0	102	0.00
35		Caprolactam	0.096	0.094	2.1	98	0.00
36	C	4-Chloro-3-methylphenol	0.313	0.305	2.6	97	0.00
37		2-Methylnaphthalene	0.674	0.647	4.0	99	0.00
38		1-Methylnaphthalene	0.663	0.633	4.5	98	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	0.550	0.555	-0.9	101	0.00
41	P	Hexachlorocyclopentadiene	0.182	0.204	-12.1	107	0.00
42	S	2,4,6-Tribromophenol	0.194	0.219	-12.9	109	0.00
43	C	2,4,6-Trichlorophenol	0.366	0.374	-2.2	100	0.00
44		2,4,5-Trichlorophenol	0.375	0.410	-9.3	105	0.00
45	S	2-Fluorobiphenyl	1.255	1.203	4.1	100	0.00
46		1,1'-Biphenyl	1.531	1.493	2.5	98	0.00
47		2-Chloronaphthalene	1.188	1.163	2.1	99	0.00

Sample Results: **BF141047.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141047.D
Acq On : 31 Dec 2024 09:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 31 10:37:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.259	0.357	-37.8#	121	0.00
49		Acenaphthylene	1.710	1.676	2.0	99	0.00
50		Dimethylphthalate	1.316	1.296	1.5	98	0.00
51		2,6-Dinitrotoluene	0.231	0.308	-33.3#	117	0.00
52	C	Acenaphthene	1.156	1.171	-1.3	102	0.00
53		3-Nitroaniline	0.255	0.323	-26.7#	112	0.00
54	P	2,4-Dinitrophenol	0.075	0.145	-93.3#	196#	0.00
55		Dibenzofuran	1.624	1.575	3.0	98	0.00
56	P	4-Nitrophenol	0.225	0.261	-16.0	111	0.00
57		2,4-Dinitrotoluene	0.273	0.404	-48.0#	127	0.00
58		Fluorene	1.260	1.209	4.0	99	0.00
59		2,3,4,6-Tetrachlorophenol	0.310	0.330	-6.5	102	0.00
60		Diethylphthalate	1.299	1.274	1.9	98	0.00
61		4-Chlorophenyl-phenylether	0.606	0.602	0.7	101	0.00
62		4-Nitroaniline	0.255	0.317	-24.3	111	0.00
63		Azobenzene	1.363	1.286	5.6	95	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	96	0.00
65		4,6-Dinitro-2-methylphenol	0.067	0.117	-74.6#	169#	0.00
66	c	n-Nitrosodiphenylamine	0.630	0.617	2.1	98	0.00
67		4-Bromophenyl-phenylether	0.216	0.224	-3.7	102	0.00
68		Hexachlorobenzene	0.238	0.242	-1.7	101	0.00
69		Atrazine	0.176	0.141	19.9	87	0.00
70	C	Pentachlorophenol	0.148	0.167	-12.8	104	0.00
71		Phenanthrene	1.053	1.005	4.6	96	0.00
72		Anthracene	1.031	0.993	3.7	97	0.00
73		Carbazole	0.992	0.927	6.6	94	0.00
74		Di-n-butylphthalate	1.128	1.072	5.0	95	0.00
75	C	Fluoranthene	1.142	1.034	9.5	91	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	79	0.00
77		Benzidine	0.423	0.465	-9.9	89	0.00
78		Pyrene	1.749	1.901	-8.7	89	0.00
79	S	Terphenyl-d14	1.204	1.316	-9.3	91	0.00
80		Butylbenzylphthalate	0.639	0.674	-5.5	81	0.00
81		Benzo(a)anthracene	1.394	1.314	5.7	76	0.00
82		3,3'-Dichlorobenzidine	0.419	0.439	-4.8	87	0.00
83		Chrysene	1.257	1.265	-0.6	83	0.00
84		Bis(2-ethylhexyl)phthalate	0.828	0.805	2.8	78	0.00
85	c	Di-n-octyl phthalate	1.199	1.211	-1.0	80	0.00
86	I	Perylene-d12	1.000	1.000	0.0	98	0.00
87		Indeno(1,2,3-cd)pyrene	1.260	1.495	-18.7	112	0.00
88		Benzo(b)fluoranthene	1.395	1.281	8.2	89	0.00
89		Benzo(k)fluoranthene	1.093	0.995	9.0	92	0.00
90	C	Benzo(a)pyrene	1.083	1.036	4.3	95	0.00
91		Dibenzo(a,h)anthracene	1.021	1.207	-18.2	110	0.00
92		Benzo(g,h,i)perylene	1.059	1.267	-19.6	110	0.01

Sample Results: **BF141047.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141047.D
Acq On : 31 Dec 2024 09:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 31 10:37:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BF141047.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141047.D
Acq On : 31 Dec 2024 09:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 31 10:37:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	101	0.00
2		1,4-Dioxane	40.000	37.373	6.6	95	0.00
3		Pyridine	40.000	38.909	2.7	101	0.00
4		n-Nitrosodimethylamine	40.000	37.219	7.0	94	0.00
5	S	2-Fluorophenol	80.000	74.942	6.3	98	0.00
6		Aniline	40.000	38.722	3.2	93	-0.02
7	S	Phenol-d6	80.000	73.971	7.5	96	0.00
8		2-Chlorophenol	40.000	38.756	3.1	99	0.00
9		Benzaldehyde	40.000	46.524	-16.3	111	0.00
10	C	Phenol	40.000	38.885	2.8	100	0.00
11		bis(2-Chloroethyl)ether	40.000	35.923	10.2	95	0.00
12		1,3-Dichlorobenzene	40.000	38.580	3.6	100	0.00
13	C	1,4-Dichlorobenzene	40.000	38.657	3.4	101	0.00
14		1,2-Dichlorobenzene	40.000	38.228	4.4	99	0.00
15		Benzyl Alcohol	40.000	37.763	5.6	96	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	35.789	10.5	93	0.00
17		2-Methylphenol	40.000	38.080	4.8	97	0.00
18		Hexachloroethane	40.000	39.098	2.3	101	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	35.768	10.6	94	0.00
20		3+4-Methylphenols	40.000	37.368	6.6	96	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	98	0.00
22		Acetophenone	40.000	36.969	7.6	95	0.00
23	S	Nitrobenzene-d5	80.000	92.864	-16.1	109	0.00
24		Nitrobenzene	40.000	44.244	-10.6	104	0.00
25		Isophorone	40.000	37.420	6.4	95	0.00
26	C	2-Nitrophenol	40.000	49.343	-23.4#	137	0.00
27		2,4-Dimethylphenol	40.000	38.644	3.4	98	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.653	5.9	96	0.00
29	C	2,4-Dichlorophenol	40.000	40.235	-0.6	100	0.00
30		1,2,4-Trichlorobenzene	40.000	39.347	1.6	99	0.00
31		Naphthalene	40.000	38.067	4.8	97	0.00
32		Benzoic acid	40.000	47.485	-18.7	134	0.00
33		4-Chloroaniline	40.000	37.924	5.2	97	0.00
34	C	Hexachlorobutadiene	40.000	39.874	0.3	102	0.00
35		Caprolactam	40.000	39.082	2.3	98	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.965	2.6	97	0.00
37		2-Methylnaphthalene	40.000	38.404	4.0	99	0.00
38		1-Methylnaphthalene	40.000	38.186	4.5	98	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.370	-0.9	101	0.00
41	P	Hexachlorocyclopentadiene	40.000	44.842	-12.1	107	0.00
42	S	2,4,6-Tribromophenol	80.000	90.305	-12.9	109	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.900	-2.2	100	0.00
44		2,4,5-Trichlorophenol	40.000	43.770	-9.4	105	0.00
45	S	2-Fluorobiphenyl	80.000	76.647	4.2	100	0.00
46		1,1'-Biphenyl	40.000	38.996	2.5	98	0.00
47		2-Chloronaphthalene	40.000	39.184	2.0	99	0.00

Sample Results: **BF141047.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141047.D
Acq On : 31 Dec 2024 09:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 31 10:37:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	46.103	-15.3	121	0.00
49		Acenaphthylene	40.000	39.203	2.0	99	0.00
50		Dimethylphthalate	40.000	39.405	1.5	98	0.00
51		2,6-Dinitrotoluene	40.000	46.104	-15.3	117	0.00
52	C	Acenaphthene	40.000	40.520	-1.3	102	0.00
53		3-Nitroaniline	40.000	44.551	-11.4	112	0.00
54	P	2,4-Dinitrophenol	40.000	61.568	-53.9#	196	0.00
55		Dibenzofuran	40.000	38.783	3.0	98	0.00
56	P	4-Nitrophenol	40.000	46.391	-16.0	111	0.00
57		2,4-Dinitrotoluene	40.000	49.100	-22.8	127	0.00
58		Fluorene	40.000	38.381	4.0	99	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.528	-6.3	102	0.00
60		Diethylphthalate	40.000	39.252	1.9	98	0.00
61		4-Chlorophenyl-phenylether	40.000	39.712	0.7	101	0.00
62		4-Nitroaniline	40.000	43.755	-9.4	111	0.00
63		Azobenzene	40.000	37.738	5.7	95	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	96	0.00
65		4,6-Dinitro-2-methylphenol	40.000	56.489	-41.2#	169	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.190	2.0	98	0.00
67		4-Bromophenyl-phenylether	40.000	41.503	-3.8	102	0.00
68		Hexachlorobenzene	40.000	40.596	-1.5	101	0.00
69		Atrazine	40.000	32.006	20.0	87	0.00
70	C	Pentachlorophenol	40.000	45.045	-12.6	104	0.00
71		Phenanthrene	40.000	38.177	4.6	96	0.00
72		Anthracene	40.000	38.522	3.7	97	0.00
73		Carbazole	40.000	37.394	6.5	94	0.00
74		Di-n-butylphthalate	40.000	38.035	4.9	95	0.00
75	C	Fluoranthene	40.000	36.238	9.4	91	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	79	0.00
77		Benzidine	40.000	44.005	-10.0	89	0.00
78		Pyrene	40.000	43.474	-8.7	89	0.00
79	S	Terphenyl-d14	80.000	87.419	-9.3	91	0.00
80		Butylbenzylphthalate	40.000	42.239	-5.6	81	0.00
81		Benzo(a)anthracene	40.000	37.717	5.7	76	0.00
82		3,3'-Dichlorobenzidine	40.000	41.967	-4.9	87	0.00
83		Chrysene	40.000	40.257	-0.6	83	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.867	2.8	78	0.00
85	c	Di-n-octyl phthalate	40.000	40.408	-1.0	80	0.00
86	I	Perylene-d12	20.000	20.000	0.0	98	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	47.468	-18.7	112	0.00
88		Benzo(b)fluoranthene	40.000	36.722	8.2	89	0.00
89		Benzo(k)fluoranthene	40.000	36.414	9.0	92	0.00
90	C	Benzo(a)pyrene	40.000	38.260	4.4	95	0.00
91		Dibenzo(a,h)anthracene	40.000	47.249	-18.1	110	0.00
92		Benzo(g,h,i)perylene	40.000	47.848	-19.6	110	0.01

Sample Results: **BF141047.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141047.D
Acq On : 31 Dec 2024 09:50
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 31 10:37:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG No.: P5380

Instrument ID: BNA_F Calibration Date/Time: 12/31/2024 14:18

Lab File ID: BF141056.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 16:23 19:25

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.468	1.436		-2.2	50.0
2-Fluorophenol	1.327	1.272		-4.1	50.0
Phenol-d6	1.709	1.596		-6.6	50.0
1,4-Dichlorobenzene	1.556	1.518		-2.4	50.0
2-Methylphenol	1.162	1.095		-5.8	50.0
3+4-Methylphenols	1.471	1.371		-6.8	50.0
Nitrobenzene-d5	0.313	0.371		18.5	50.0
Hexachloroethane	0.553	0.552		-0.2	50.0
Nitrobenzene	0.349	0.387		10.9	50.0
Hexachlorobutadiene	0.188	0.189		0.5	50.0
2,4,6-Trichlorophenol	0.366	0.396		8.2	50.0
2-Fluorobiphenyl	1.255	1.207		-3.8	50.0
2,4,5-Trichlorophenol	0.375	0.393		4.8	50.0
2,4-Dinitrotoluene	0.273	0.393		44.0	50.0
2,4,6-Tribromophenol	0.194	0.212		9.3	50.0
Hexachlorobenzene	0.238	0.249		4.6	50.0
Pentachlorophenol	0.148	0.168		13.5	50.0
Terphenyl-d14	1.204	1.227		1.9	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141056.D
Acq On : 31 Dec 2024 14:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Dec 31 14:40:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	249528	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	962272	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	499397	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	814502	20.000	ng	0.00
76) Chrysene-d12	13.986	240	443018	20.000	ng	0.00
86) Perylene-d12	15.451	264	526376	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1270031	76.722	ng	0.00
7) Phenol-d6	6.451	99	1593100	74.706	ng	0.00
23) Nitrobenzene-d5	7.393	82	1427928	94.938	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	423622	87.297	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	2410223	76.894	ng	0.00
79) Terphenyl-d14	12.933	244	2173730	81.499	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.546	88	281801	37.601	ng	98
3) Pyridine	3.293	79	716772	39.135	ng	99
4) n-Nitrosodimethylamine	3.240	42	348144	37.516	ng	98
6) Aniline	6.493	93	747294	39.293	ng	99
8) 2-Chlorophenol	6.610	128	679197	38.916	ng	99
9) Benzaldehyde	6.381	77	472114	46.666	ng	97
10) Phenol	6.469	94	861726	39.080	ng	99
11) bis(2-Chloroethyl)ether	6.569	93	652516	36.649	ng	97
12) 1,3-Dichlorobenzene	6.769	146	746418	38.753	ng	99
13) 1,4-Dichlorobenzene	6.845	146	757478	39.011	ng	99
14) 1,2-Dichlorobenzene	6.998	146	698342	38.575	ng	99
15) Benzyl Alcohol	6.969	79	583022	38.046	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.104	45	974481	36.192	ng	99
17) 2-Methylphenol	7.075	107	546615	37.699	ng	100
18) Hexachloroethane	7.345	117	275573	39.952	ng	98
19) n-Nitroso-di-n-propyla...	7.240	70	465418	35.625	ng	99
20) 3+4-Methylphenols	7.228	107	683962	37.276	ng	99
22) Acetophenone	7.240	105	870975	36.896	ng	99
24) Nitrobenzene	7.410	77	744121	44.276	ng	97
25) Isophorone	7.651	82	1220258	37.283	ng	99
26) 2-Nitrophenol	7.728	139	347425	50.173	ng	98
27) 2,4-Dimethylphenol	7.757	122	458171	38.304	ng	99
28) bis(2-Chloroethoxy)met...	7.863	93	787156	37.959	ng	99
29) 2,4-Dichlorophenol	7.963	162	546273	40.267	ng	100
30) 1,2,4-Trichlorobenzene	8.051	180	608983	39.661	ng	100
31) Naphthalene	8.134	128	1942200	38.303	ng	99
32) Benzoic acid	7.863	122	479571	48.603	ng	97
33) 4-Chloroaniline	8.181	127	681942	37.176	ng	99
34) Hexachlorobutadiene	8.251	225	364036	40.216	ng	99
35) Caprolactam	8.545	113	173106m	37.534	ng	
36) 4-Chloro-3-methylphenol	8.651	107	578910	38.425	ng	99
37) 2-Methylnaphthalene	8.822	142	1238999	38.195	ng	100
38) 1-Methylnaphthalene	8.922	142	1209371	37.935	ng	99
40) 1,2,4,5-Tetrachloroben...	8.987	216	565798	41.182	ng	99
41) Hexachlorocyclopentadiene	8.975	237	216112	47.466	ng	98
43) 2,4,6-Trichlorophenol	9.092	196	395207	43.220	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141056.D
Acq On : 31 Dec 2024 14:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Dec 31 14:40:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

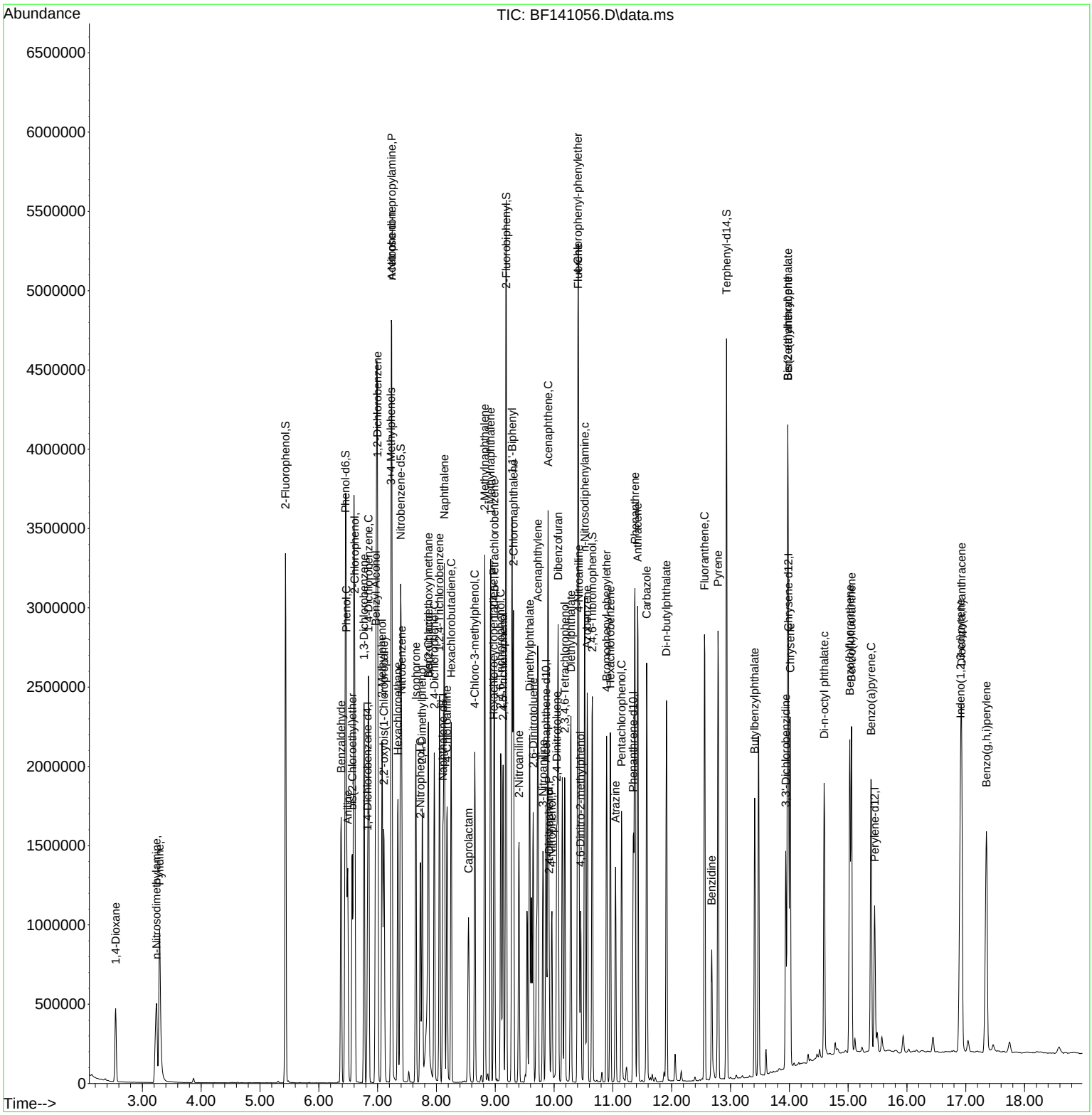
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.134	196	392351	41.935	ng		97
46) 1,1'-Biphenyl	9.287	154	1507181	39.415	ng		100
47) 2-Chloronaphthalene	9.310	162	1180472	39.805	ng		98
48) 2-Nitroaniline	9.404	65	358698	46.405	ng		93
49) Acenaphthylene	9.722	152	1670081	39.119	ng		99
50) Dimethylphthalate	9.586	163	1261720	38.410	ng		100
51) 2,6-Dinitrotoluene	9.645	165	300908	45.153	ng		95
52) Acenaphthene	9.898	154	1170619	40.559	ng		99
53) 3-Nitroaniline	9.810	138	313010	43.308	ng	#	92
54) 2,4-Dinitrophenol	9.916	184	147869	62.472	ng	#	1
55) Dibenzofuran	10.069	168	1566244	38.614	ng		98
56) 4-Nitrophenol	9.963	139	247878	44.114	ng		94
57) 2,4-Dinitrotoluene	10.045	165	392109	47.848	ng		94
58) Fluorene	10.410	166	1199483	38.136	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.181	232	323996	41.813	ng		97
60) Diethylphthalate	10.286	149	1221862	37.678	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	588670	38.896	ng		97
62) 4-Nitroaniline	10.422	138	296073	41.190	ng		93
63) Azobenzene	10.563	77	1242068	36.490	ng		98
65) 4,6-Dinitro-2-methylph...	10.451	198	198270	58.512	ng		98
66) n-Nitrosodiphenylamine	10.522	169	1037613	40.455	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	376460	42.756	ng		98
68) Hexachlorobenzene	10.957	284	405210	41.736	ng		100
69) Atrazine	11.045	200	221886	30.966	ng		100
70) Pentachlorophenol	11.145	266	272964	45.157	ng		99
71) Phenanthrene	11.375	178	1673884	39.047	ng		99
72) Anthracene	11.422	178	1643512	39.126	ng		99
73) Carbazole	11.575	167	1476517	36.565	ng		100
74) Di-n-butylphthalate	11.910	149	1697159	36.952	ng		100
75) Fluoranthene	12.557	202	1609109	34.610	ng		99
77) Benzidine	12.680	184	458201	48.939	ng		100
78) Pyrene	12.786	202	1594512	41.154	ng		100
80) Butylbenzylphthalate	13.410	149	547942	38.729	ng		99
81) Benzo(a)anthracene	13.974	228	1141986	36.987	ng		99
82) 3,3'-Dichlorobenzidine	13.939	252	414921	44.728	ng		100
83) Chrysene	14.016	228	1126963	40.489	ng		99
84) Bis(2-ethylhexyl)phtha...	13.974	149	675459	36.806	ng		99
85) Di-n-octyl phthalate	14.592	149	1109654	41.777	ng		98
87) Indeno(1,2,3-cd)pyrene	16.910	276	1547781	46.672	ng		97
88) Benzo(b)fluoranthene	15.027	252	1181314	32.178	ng		99
89) Benzo(k)fluoranthene	15.057	252	1136896	39.512	ng		99
90) Benzo(a)pyrene	15.392	252	1083487	38.024	ng		99
91) Dibenzo(a,h)anthracene	16.927	278	1241441	46.181	ng		99
92) Benzo(g,h,i)perylene	17.351	276	1323696	47.475	ng		98

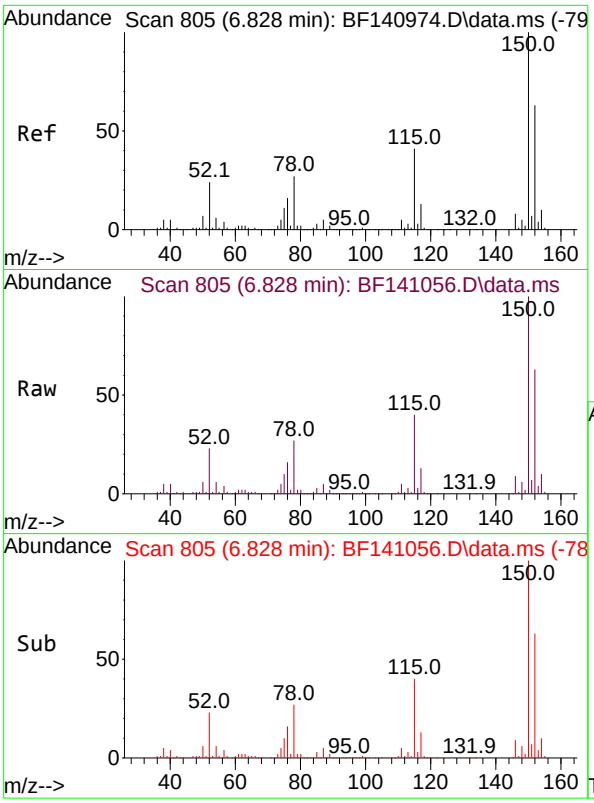
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141056.D
Acq On : 31 Dec 2024 14:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Dec 31 14:40:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



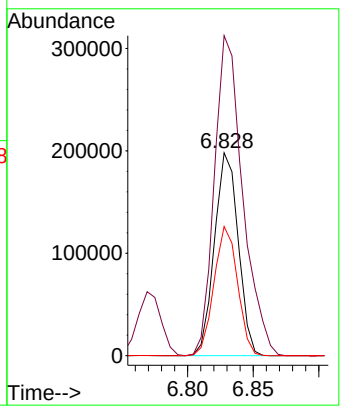


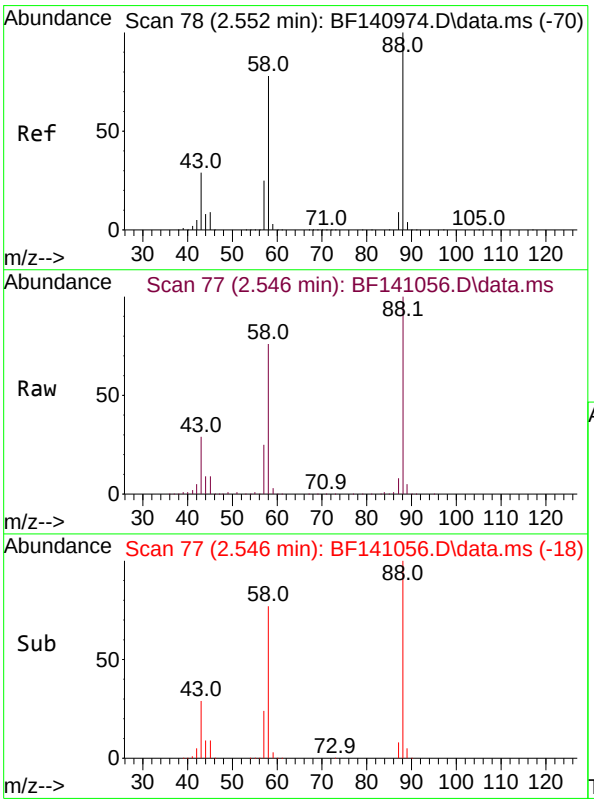
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 249528

Ion	Ratio	Lower	Upper
152	100		
150	157.8	127.0	190.6
115	63.6	51.7	77.5

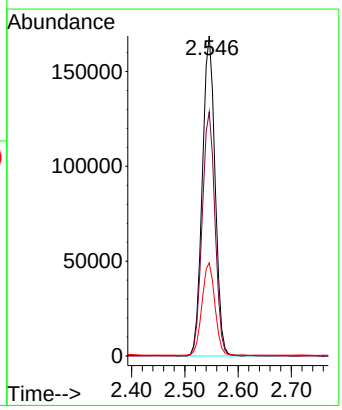


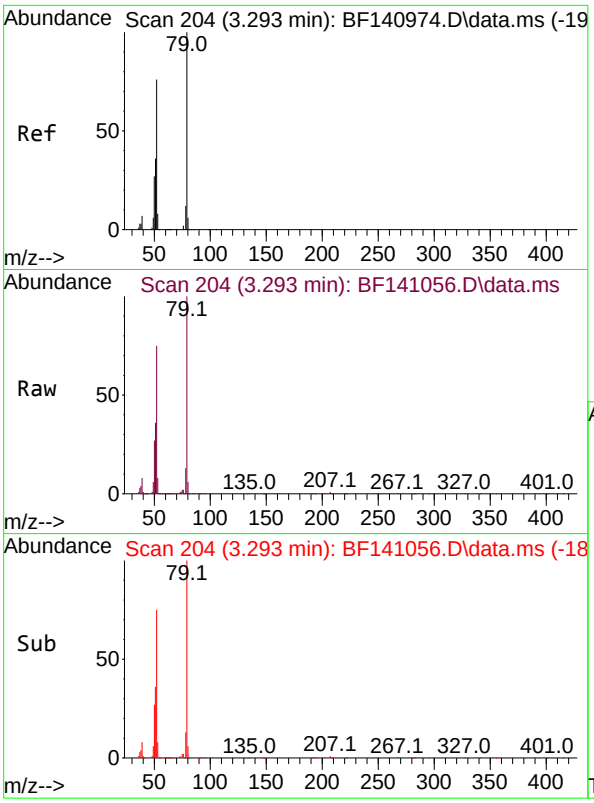


#2
1,4-Dioxane
Concen: 37.601 ng
RT: 2.546 min Scan# 77
Delta R.T. -0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 88 Resp: 281801

Ion	Ratio	Lower	Upper
88	100		
58	76.5	63.0	94.4
43	29.2	23.4	35.2



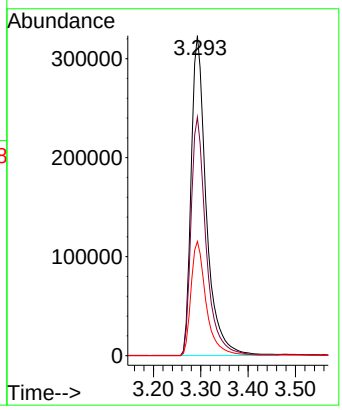


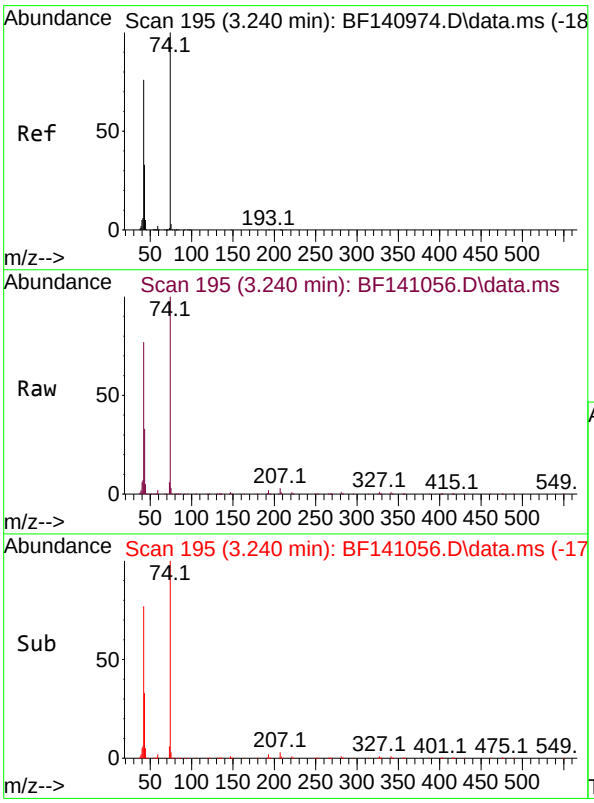
#3
Pyridine
Concen: 39.135 ng
RT: 3.293 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 716772

Ion	Ratio	Lower	Upper
79	100		
52	74.6	60.4	90.6
51	35.7	28.8	43.2

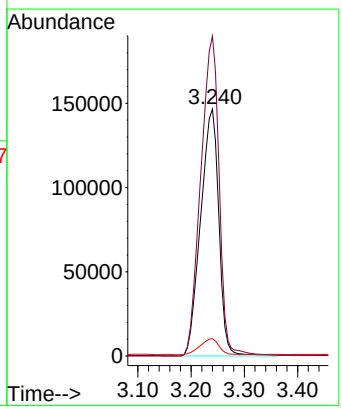


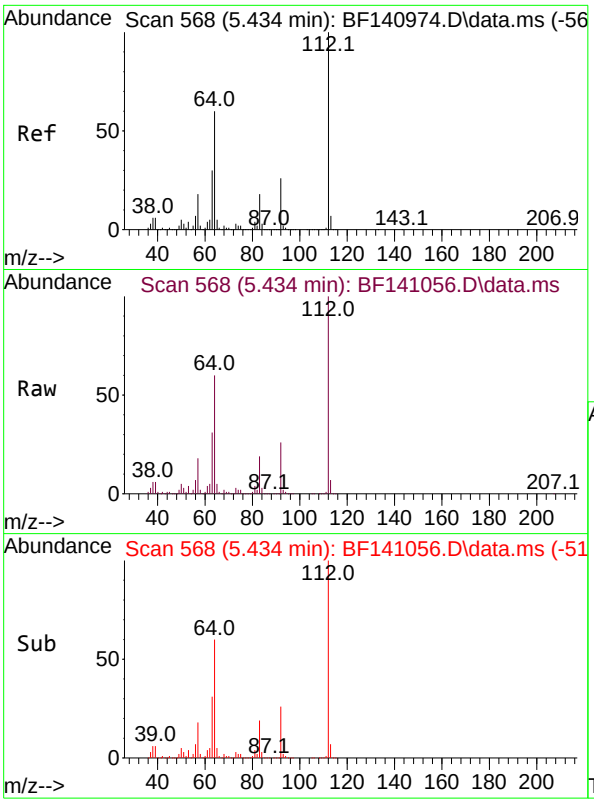


#4
n-Nitrosodimethylamine
Concen: 37.516 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 42 Resp: 348144

Ion	Ratio	Lower	Upper
42	100		
74	129.6	105.8	158.6
44	7.0	6.6	10.0



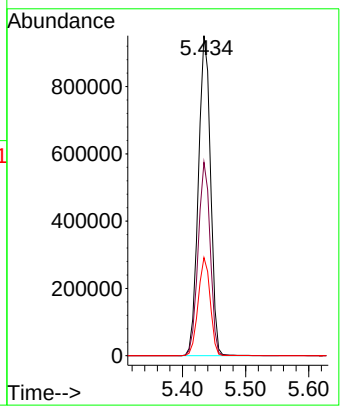


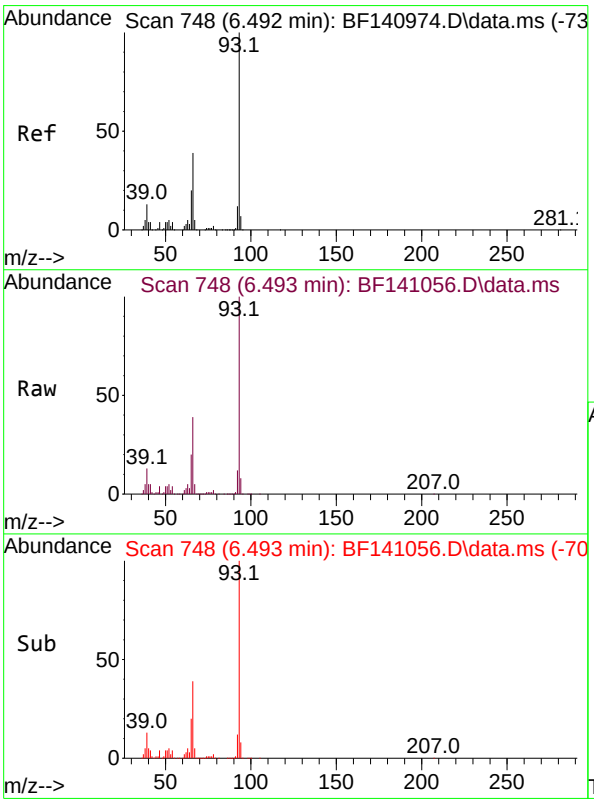
#5
2-Fluorophenol
Concen: 76.722 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 1270031

Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.7	71.5
63	30.6	24.2	36.2

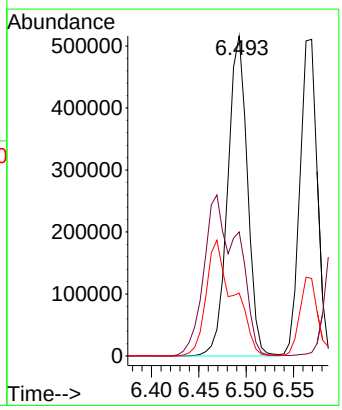


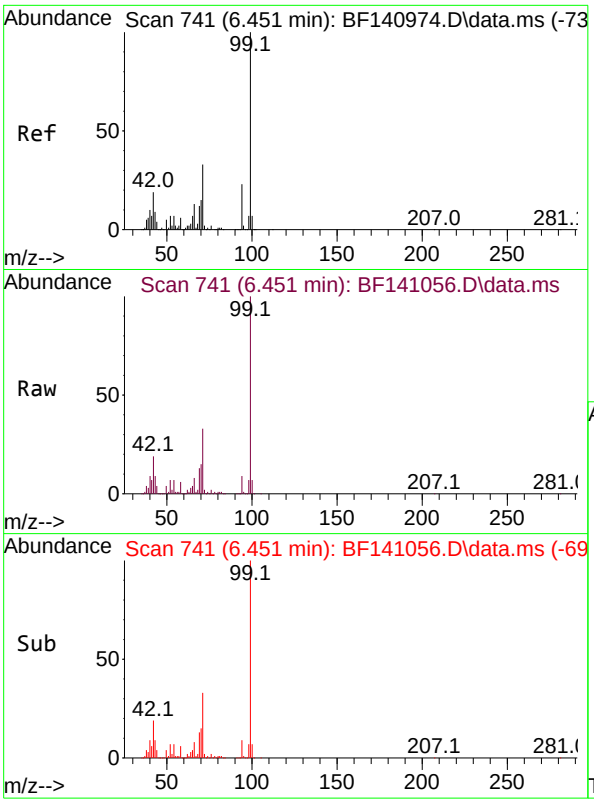


#6
Aniline
Concen: 39.293 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 93 Resp: 747294

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.8	47.8
65	19.7	15.4	23.0



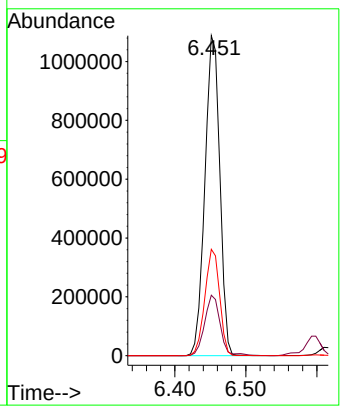


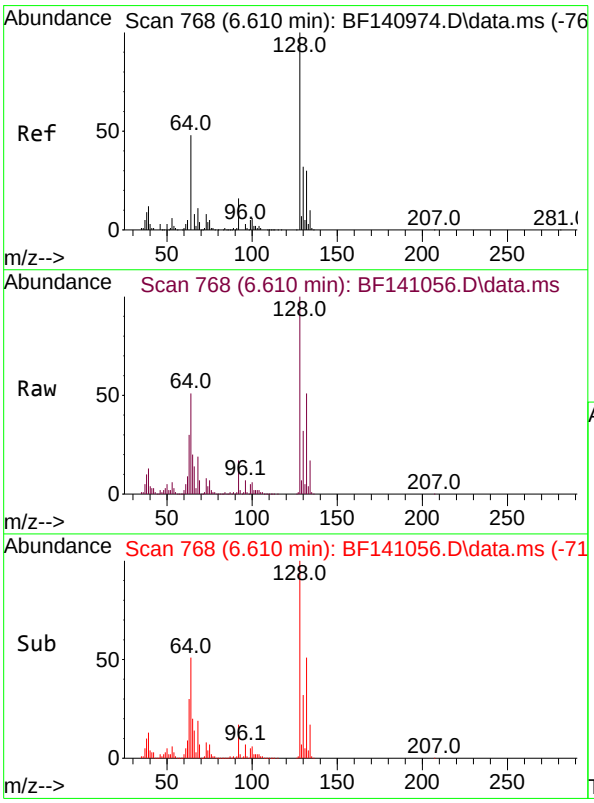
#7
Phenol-d6
Concen: 74.706 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 1593100

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.0	22.4
71	33.3	26.2	39.2

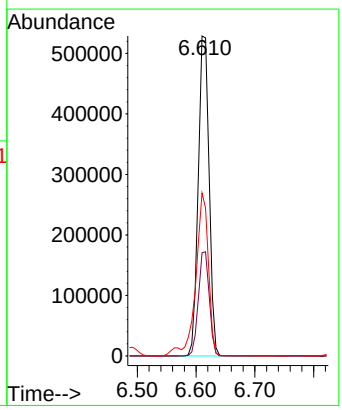


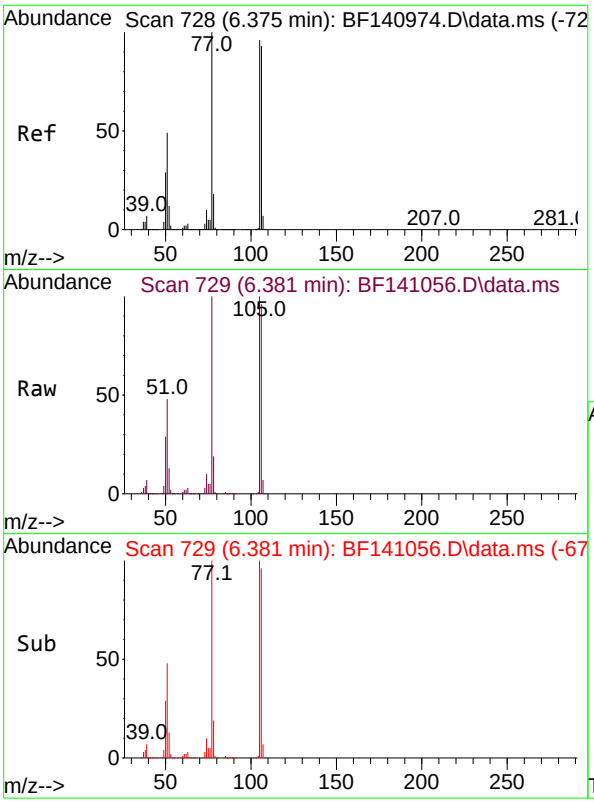


#8
2-Chlorophenol
Concen: 38.916 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:128 Resp: 679197

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.2	52.2
64	50.9	30.3	70.3



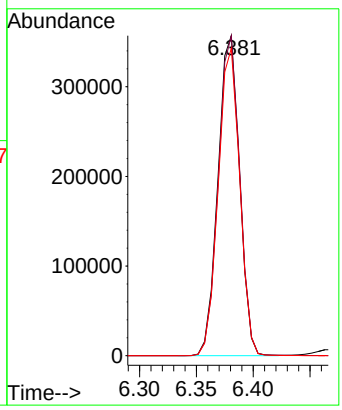


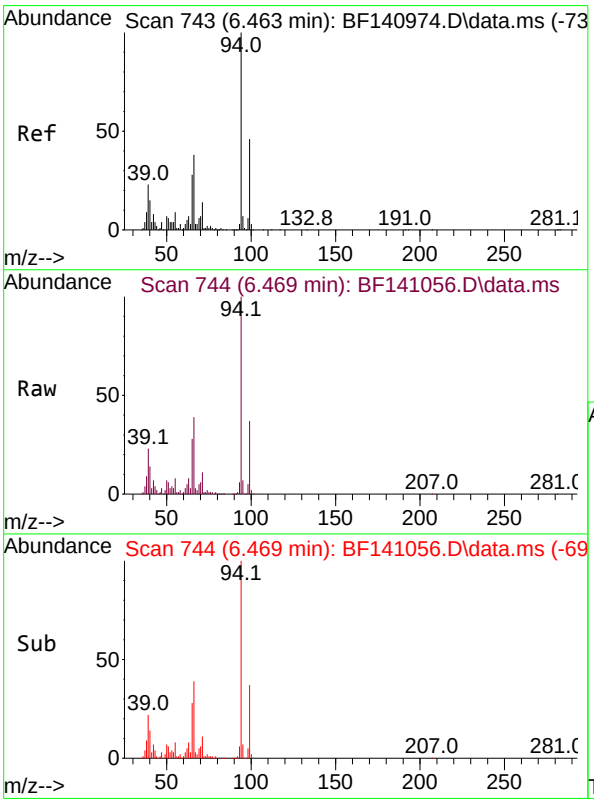
#9
Benzaldehyde
Concen: 46.666 ng
RT: 6.381 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 472114

Ion	Ratio	Lower	Upper
77	100		
105	99.9	76.2	116.2
106	96.1	73.4	113.4

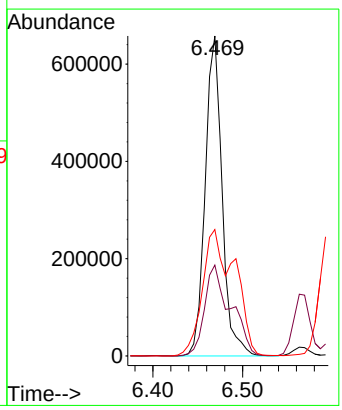


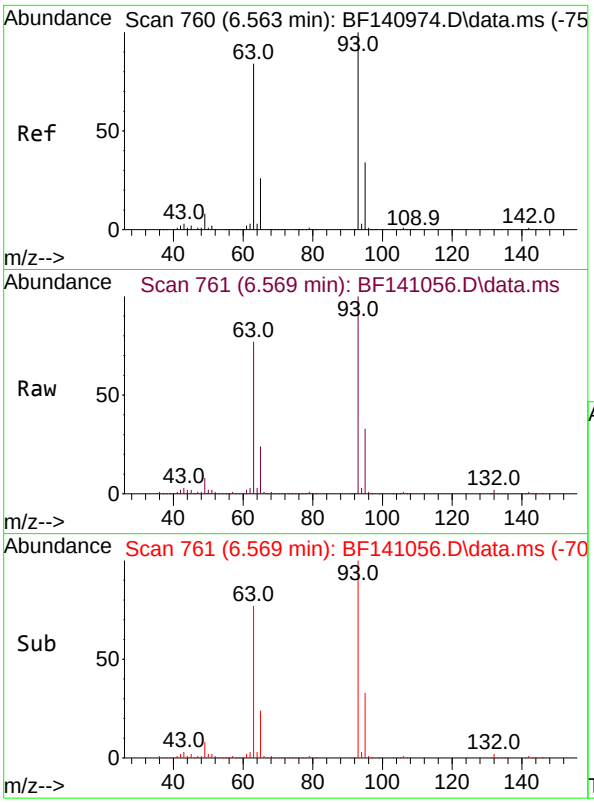


#10
Phenol
Concen: 39.080 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 94 Resp: 861726

Ion	Ratio	Lower	Upper
94	100		
65	28.4	8.1	48.1
66	39.5	18.7	58.7



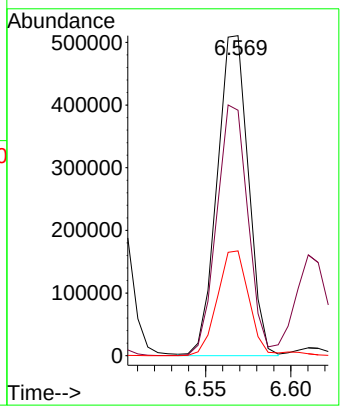


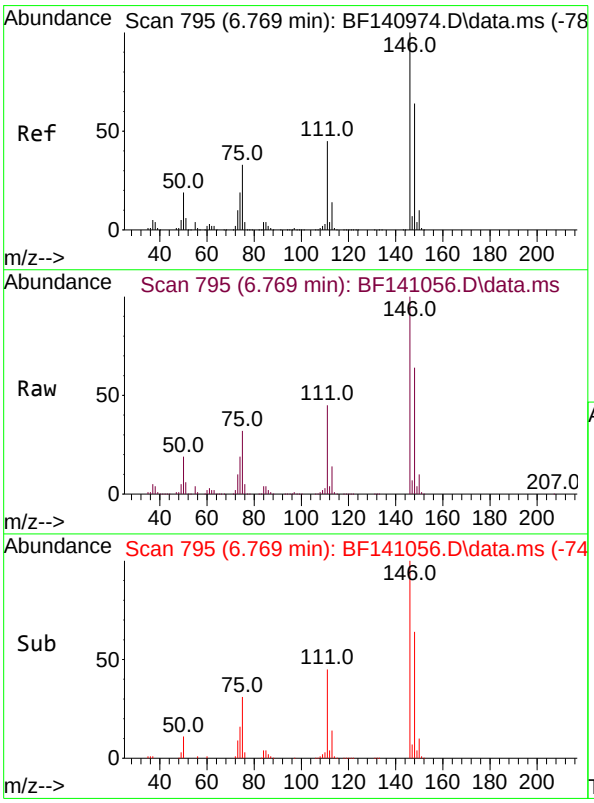
#11
bis(2-Chloroethyl)ether
Concen: 36.649 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 652516

Ion	Ratio	Lower	Upper
93	100		
63	76.7	60.3	100.3
95	32.7	12.2	52.2

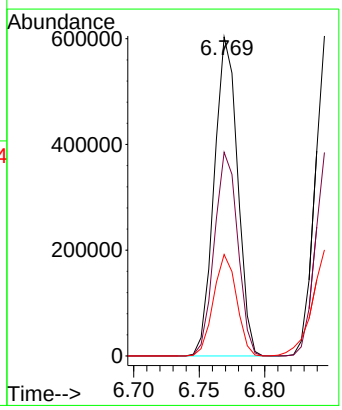


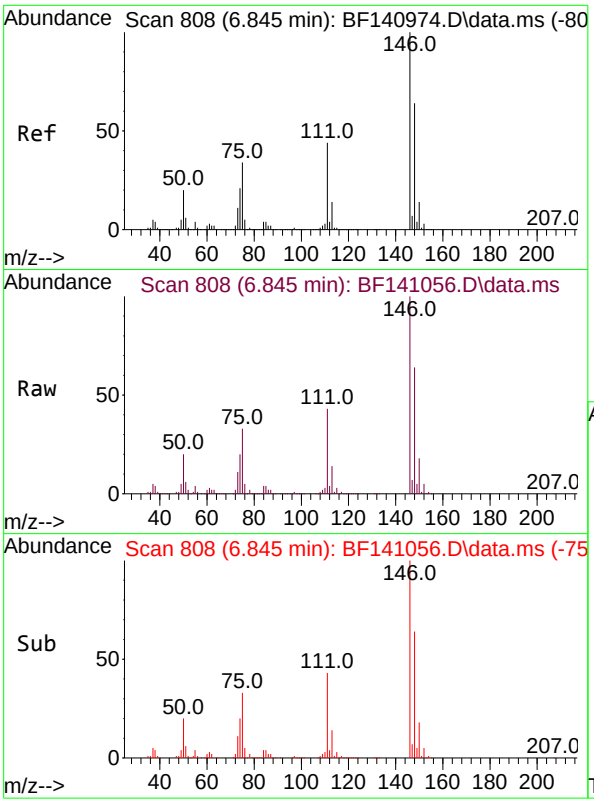


#12
1,3-Dichlorobenzene
Concen: 38.753 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:146 Resp: 746418

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.4
75	31.8	26.1	39.1



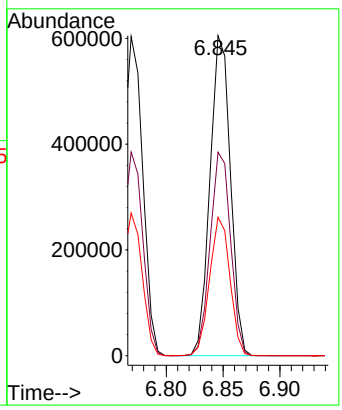


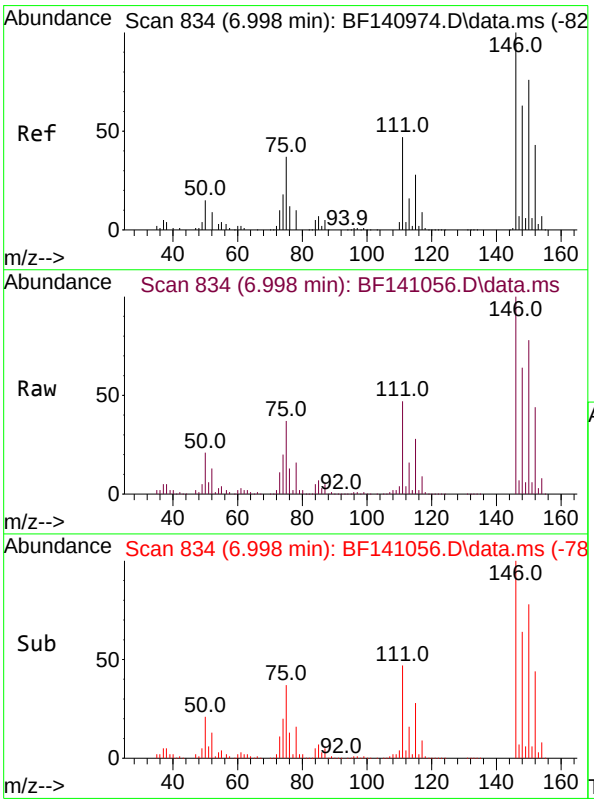
#13
1,4-Dichlorobenzene
Concen: 39.011 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 757478

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.3	76.9
111	43.2	35.3	52.9

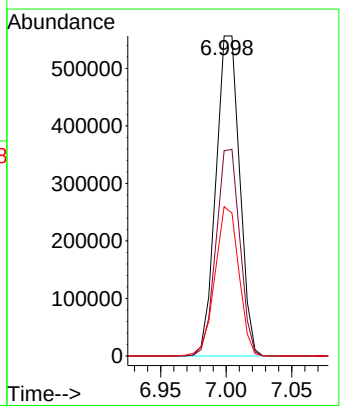


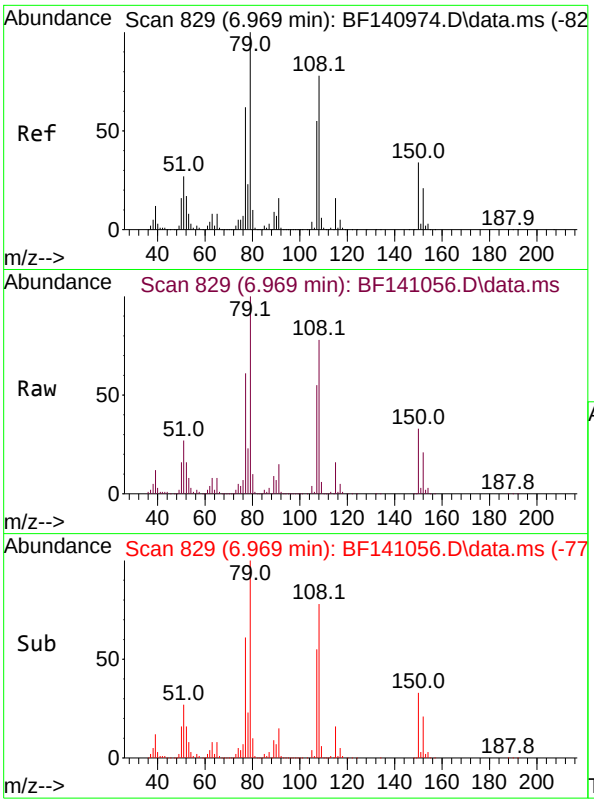


#14
1,2-Dichlorobenzene
Concen: 38.575 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:146 Resp: 698342

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.6	76.0
111	46.6	37.3	55.9



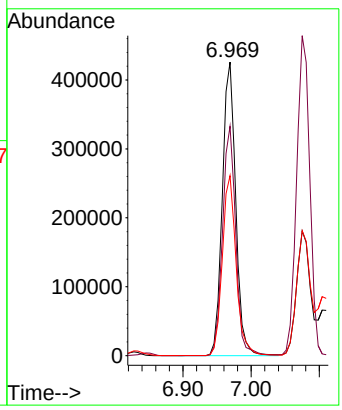


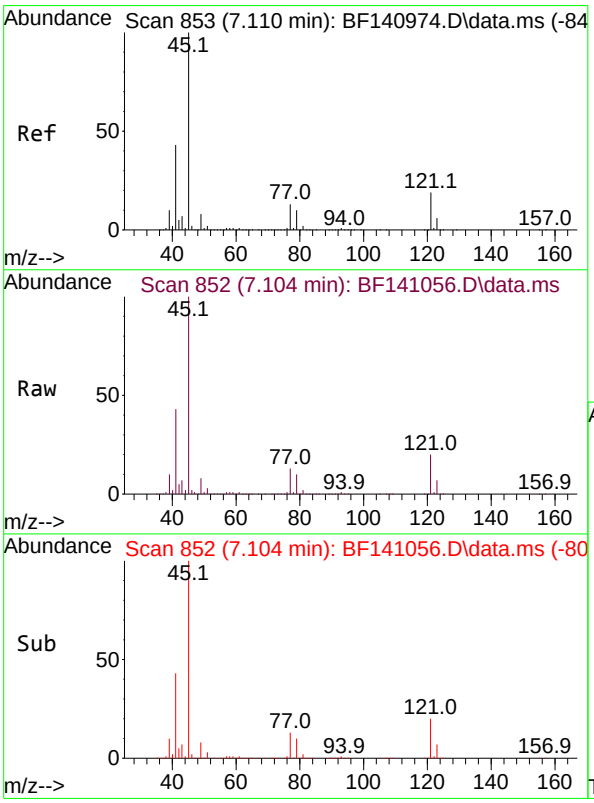
#15
Benzyl Alcohol
Concen: 38.046 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 583022

Ion	Ratio	Lower	Upper
79	100		
108	78.1	62.5	93.7
77	61.3	49.3	73.9

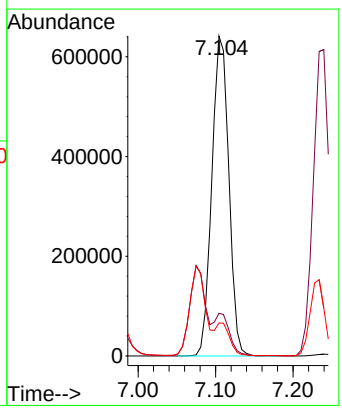


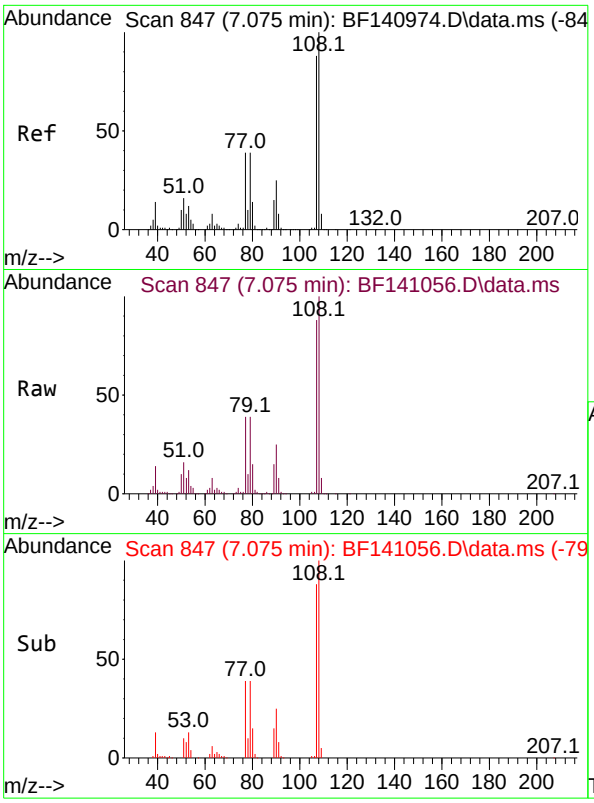


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.192 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 45 Resp: 974481

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	33.1
79	10.3	0.0	30.1



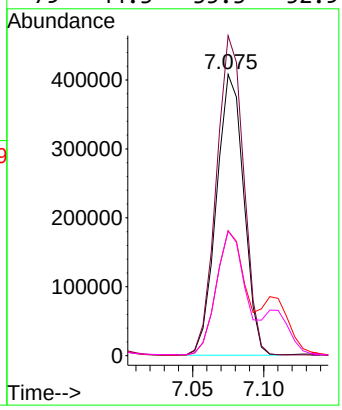


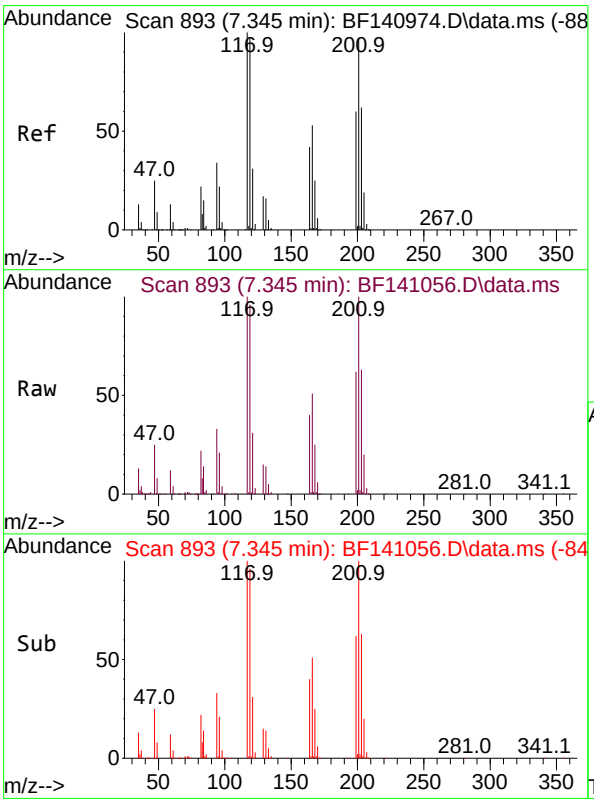
#17
2-Methylphenol
Concen: 37.699 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 546615

Ion	Ratio	Lower	Upper
107	100		
108	113.8	90.6	136.0
77	44.4	35.3	52.9
79	44.3	35.3	52.9

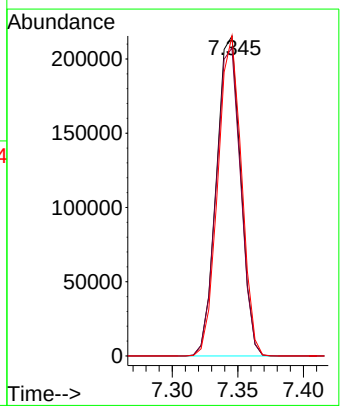


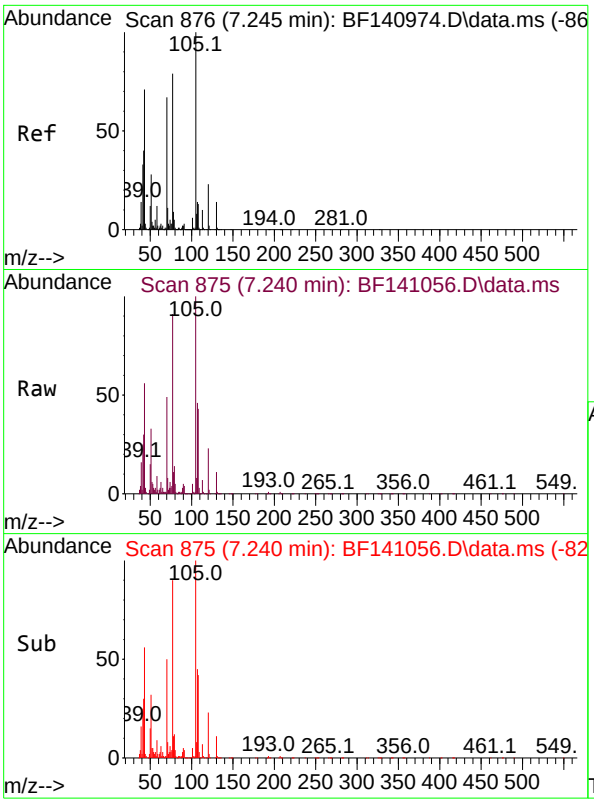


#18
Hexachloroethane
Concen: 39.952 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:117 Resp: 275573

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.5	116.3
201	100.0	77.4	116.2



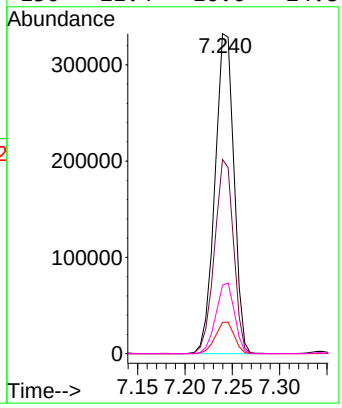


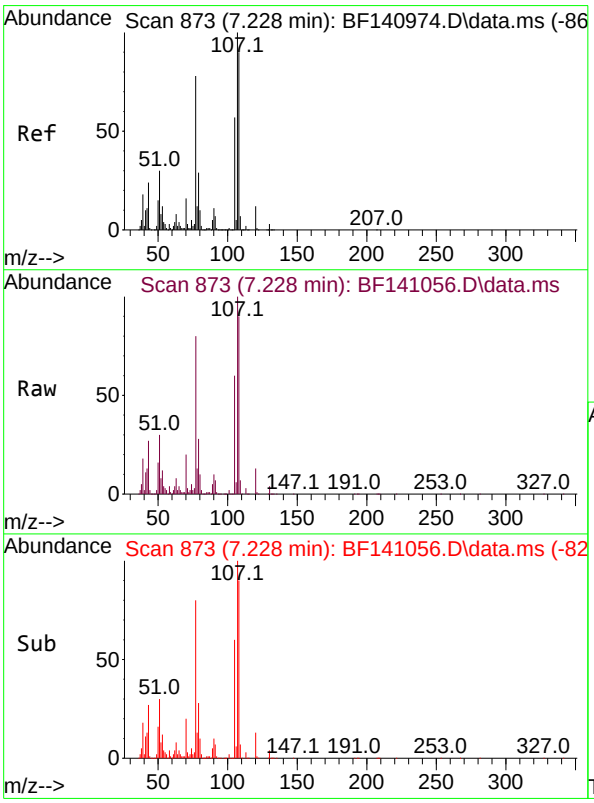
#19
n-Nitroso-di-n-propylamine
Concen: 35.625 ng
RT: 7.240 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 465418

Ion	Ratio	Lower	Upper
70	100		
42	60.7	48.1	72.1
101	9.8	7.6	11.4
130	21.4	16.6	24.8

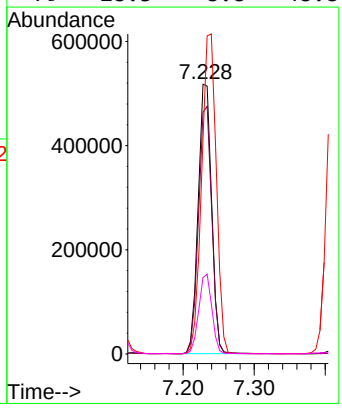


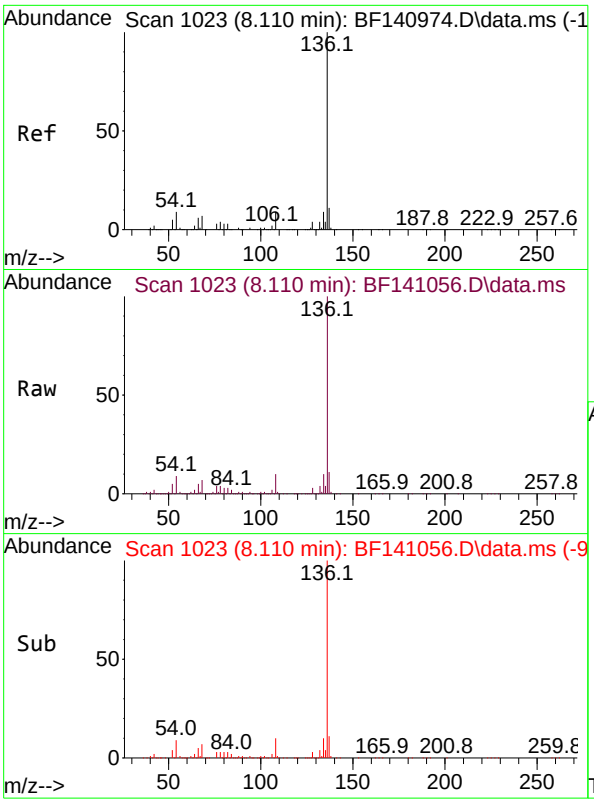


#20
3+4-Methylphenols
Concen: 37.276 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:107 Resp: 683962

Ion	Ratio	Lower	Upper
107	100		
108	89.7	69.6	109.6
77	79.8	57.6	97.6
79	28.3	8.8	48.8



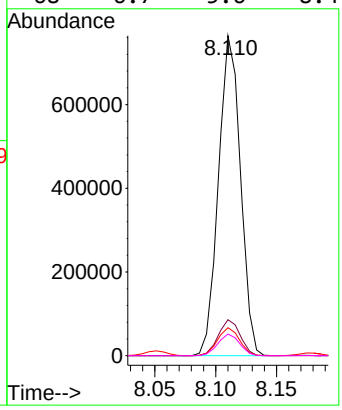


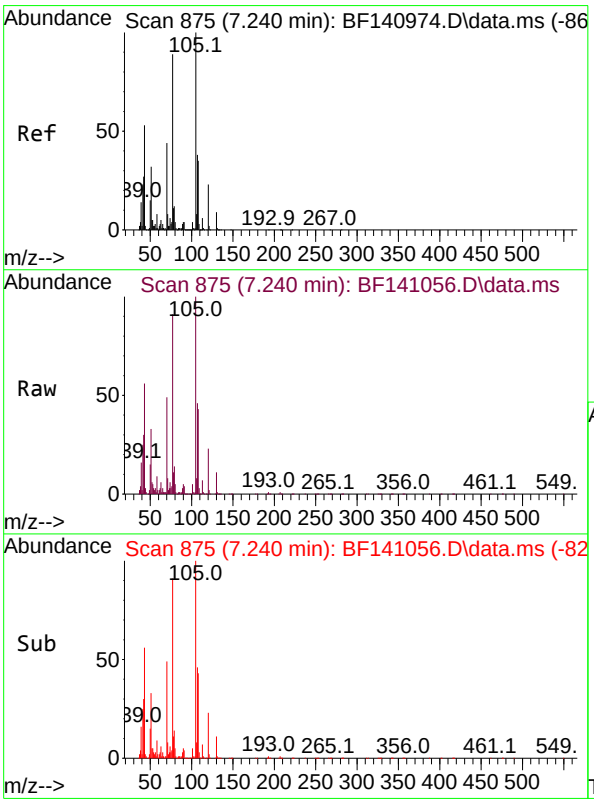
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 962272

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	8.8	7.6	11.4
68	6.7	5.6	8.4

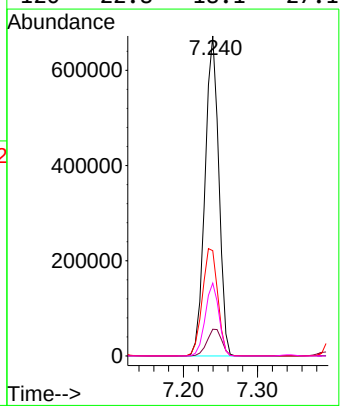


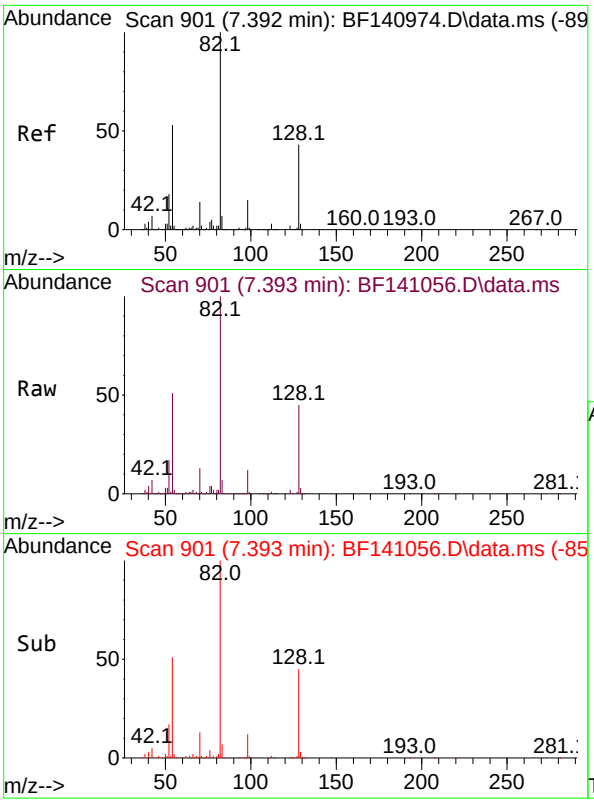


#22
Acetophenone
Concen: 36.896 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:105 Resp: 870975

Ion	Ratio	Lower	Upper
105	100		
71	8.3	6.1	9.1
51	32.9	25.8	38.6
120	22.8	18.1	27.1



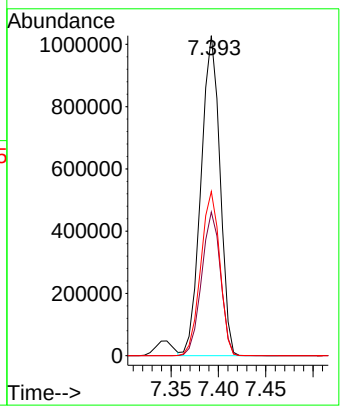


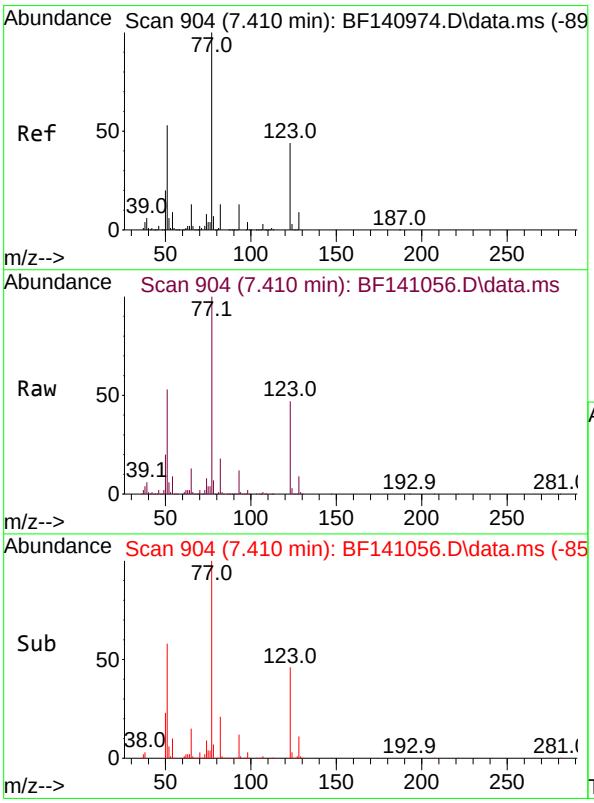
#23
Nitrobenzene-d5
Concen: 94.938 ng
RT: 7.393 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1427928

Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.4	51.6
54	51.3	42.4	63.6

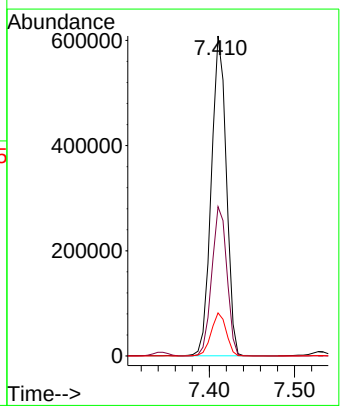


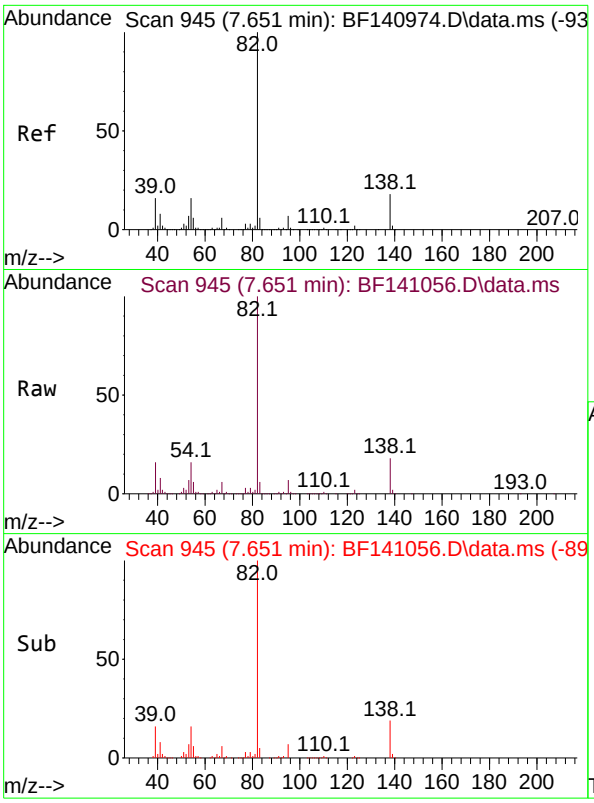


#24
Nitrobenzene
Concen: 44.276 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 77 Resp: 744121

Ion	Ratio	Lower	Upper
77	100		
123	46.7	35.4	53.2
65	13.4	10.7	16.1



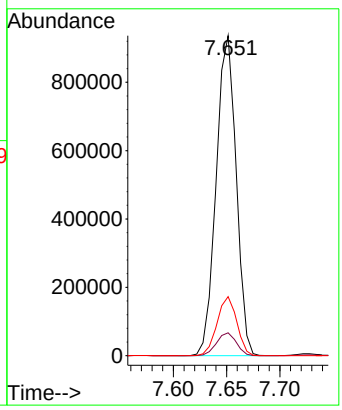


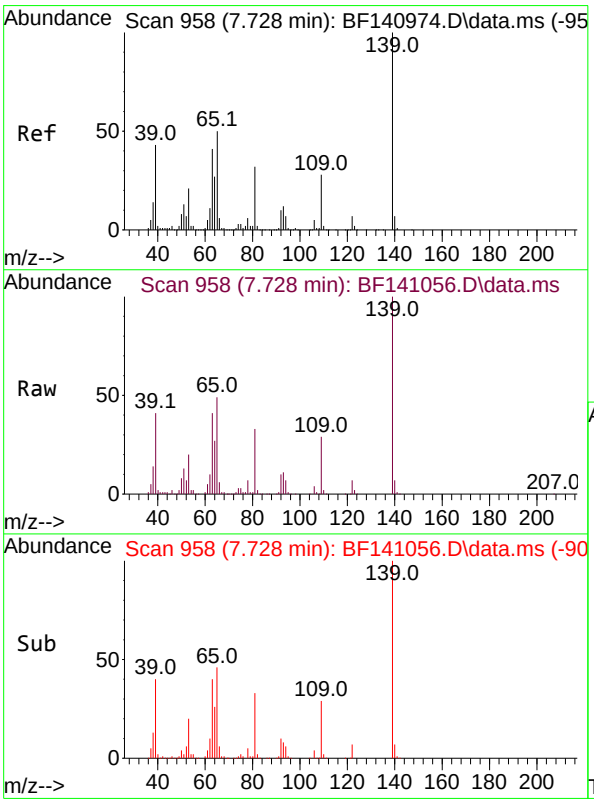
#25
Isophorone
Concen: 37.283 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1220258

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	18.5	14.6	21.8

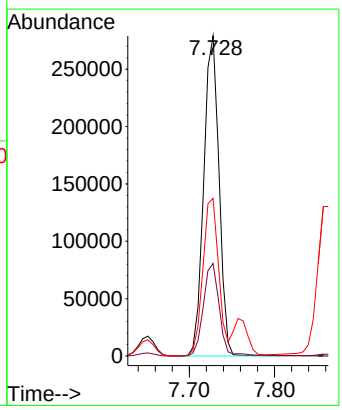


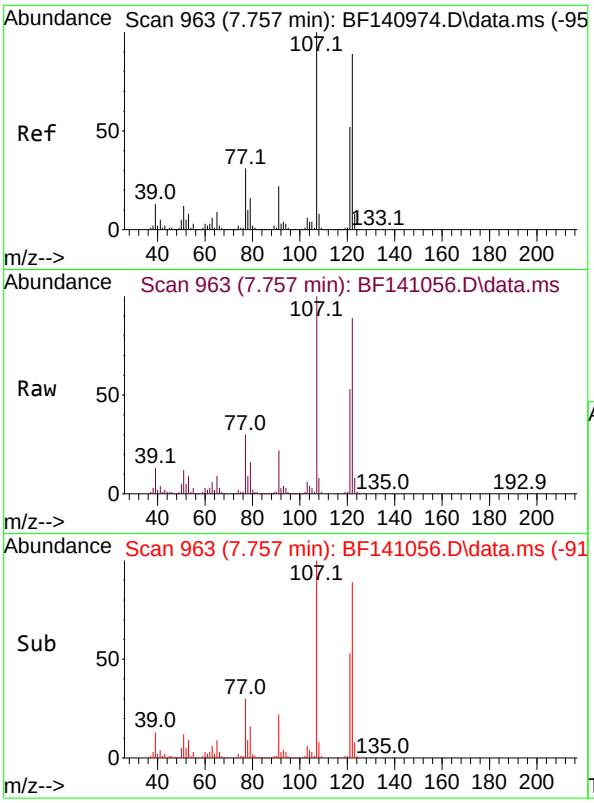


#26
2-Nitrophenol
Concen: 50.173 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:139 Resp: 347425

Ion	Ratio	Lower	Upper
139	100		
109	28.9	22.2	33.4
65	49.3	40.2	60.4



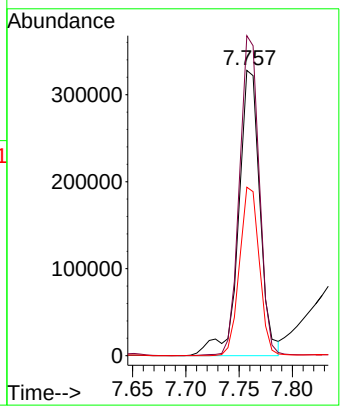


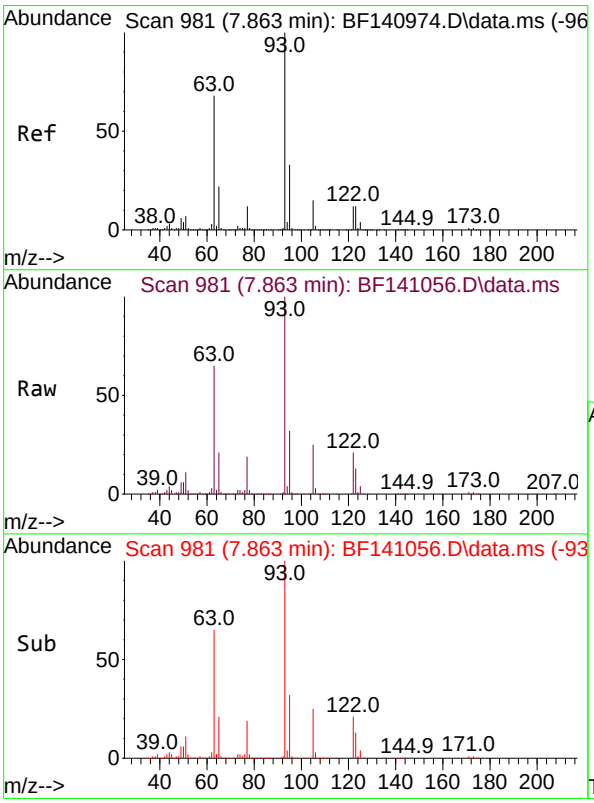
#27
2,4-Dimethylphenol
Concen: 38.304 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 458171

Ion	Ratio	Lower	Upper
122	100		
107	112.2	89.4	134.2
121	59.0	46.7	70.1

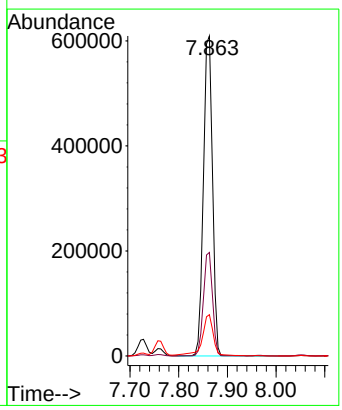


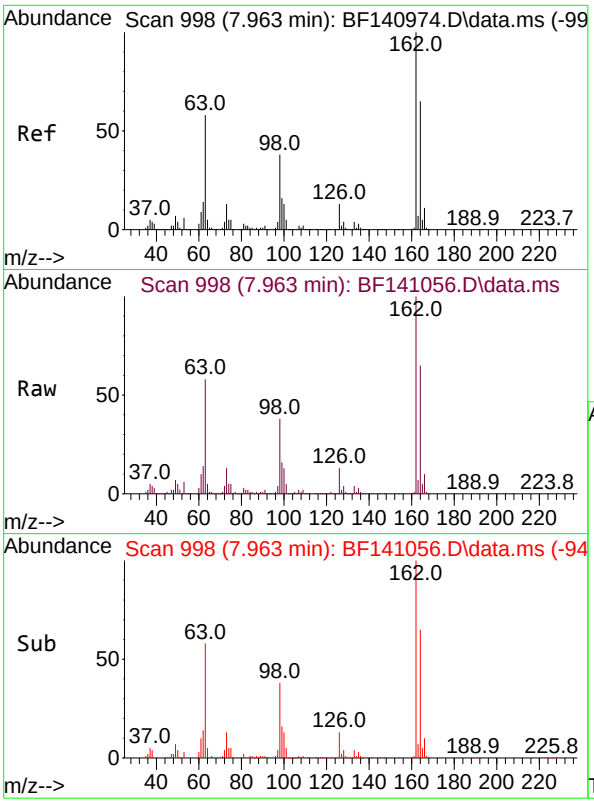


#28
bis(2-Chloroethoxy)methane
Concen: 37.959 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 93 Resp: 787156

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.4
123	12.9	9.9	14.9



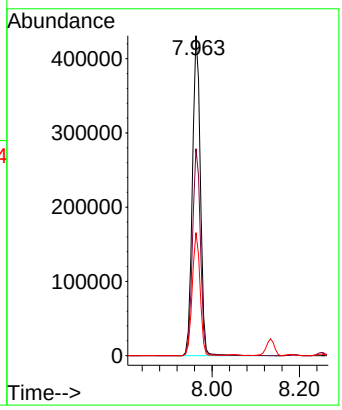


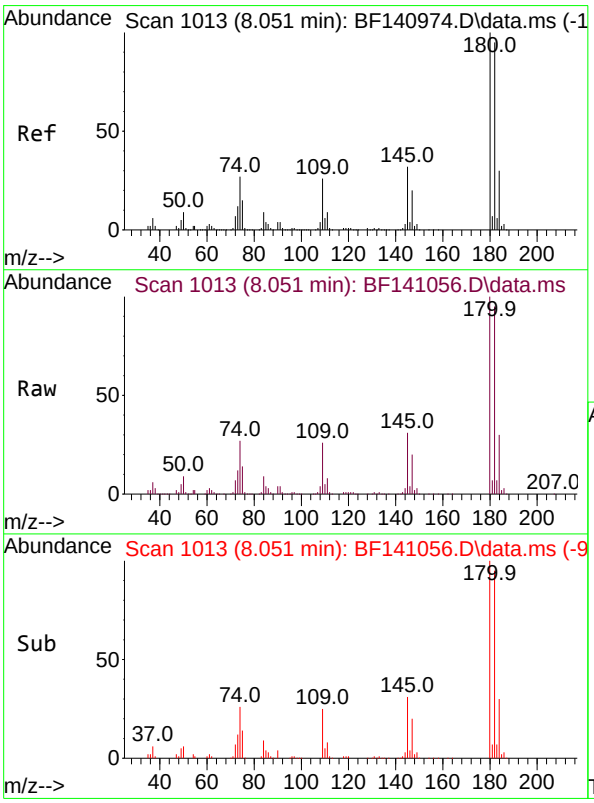
#29
2,4-Dichlorophenol
Concen: 40.267 ng
RT: 7.963 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 546273

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.8	84.8
98	38.5	18.6	58.6

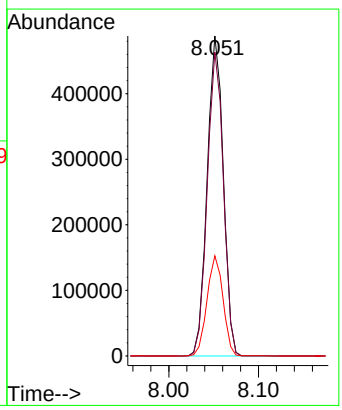


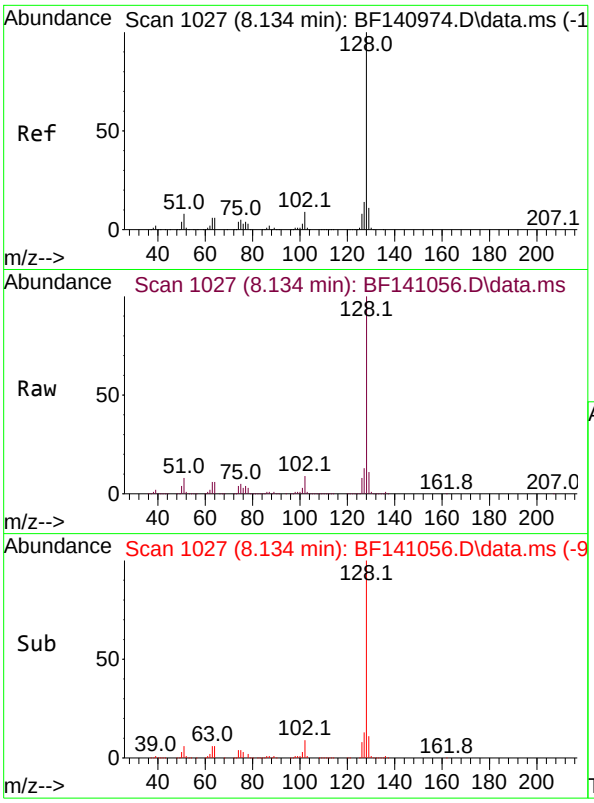


#30
1,2,4-Trichlorobenzene
Concen: 39.661 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:180 Resp: 608983

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
145	31.3	25.4	38.2



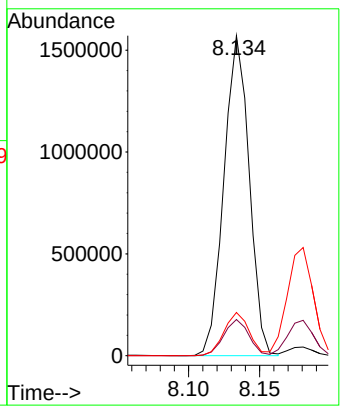


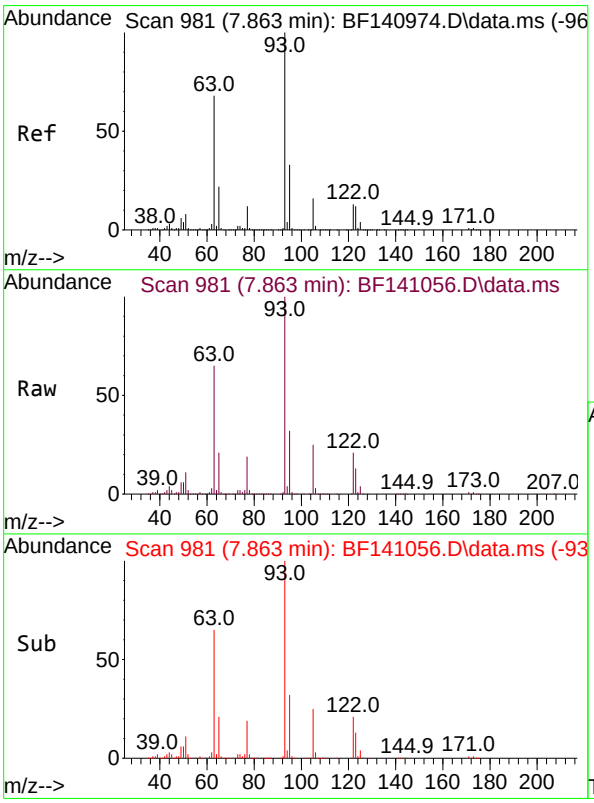
#31
Naphthalene
Concen: 38.303 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1942200

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.5	11.0	16.4

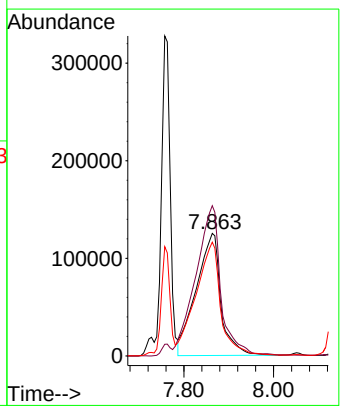


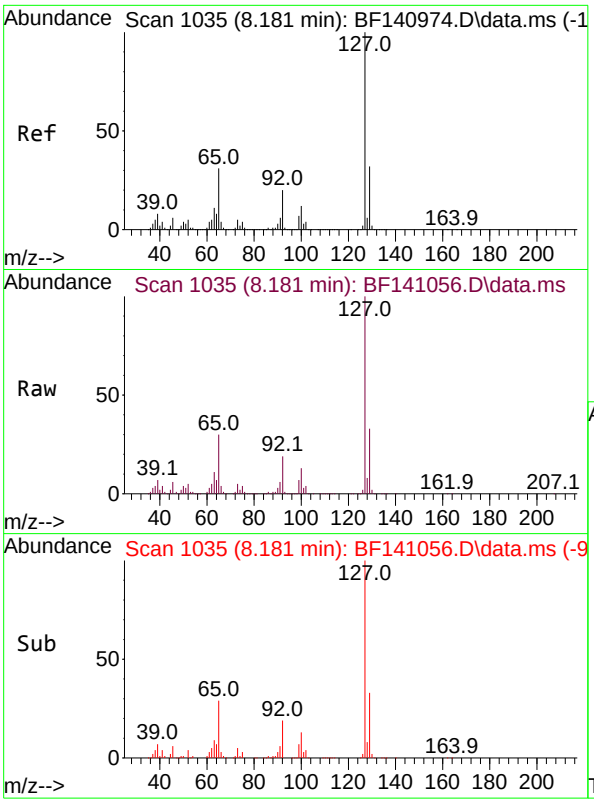


#32
Benzoic acid
Concen: 48.603 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:122 Resp: 479571

Ion	Ratio	Lower	Upper
122	100		
105	122.7	105.4	145.4
77	92.8	76.4	116.4



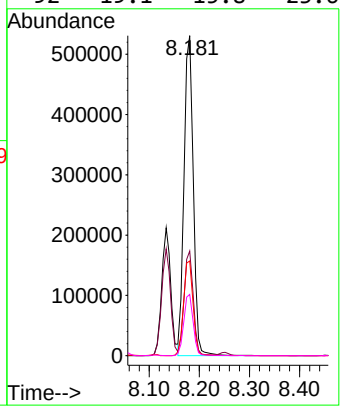


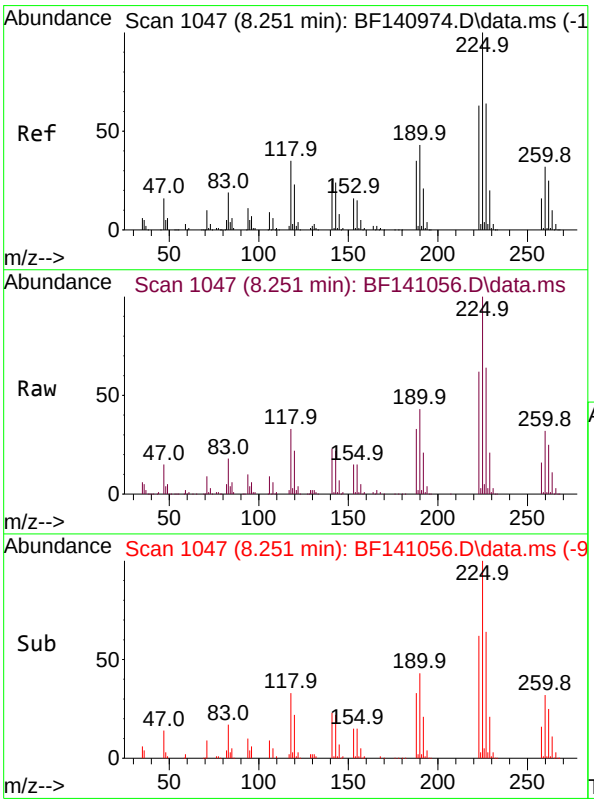
#33
4-Chloroaniline
Concen: 37.176 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 681942

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	29.6	24.6	37.0
92	19.1	15.8	23.6

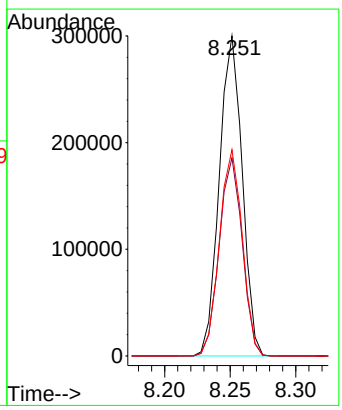


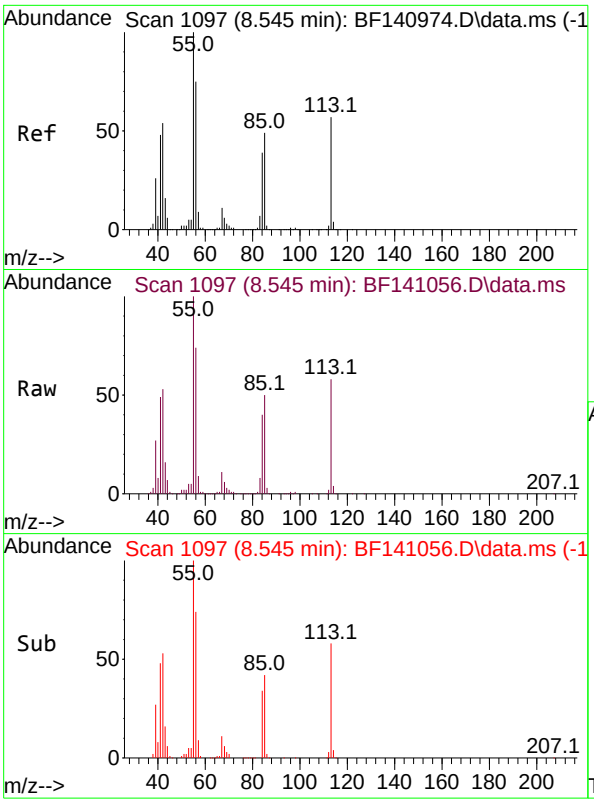


#34
Hexachlorobutadiene
Concen: 40.216 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:225 Resp: 364036

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.3	75.5
227	64.4	50.8	76.2



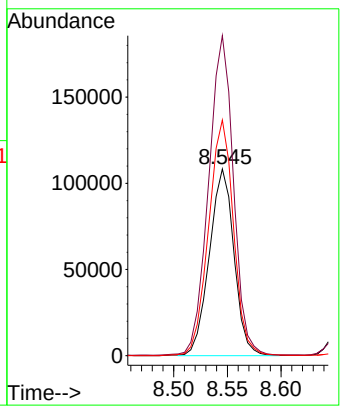


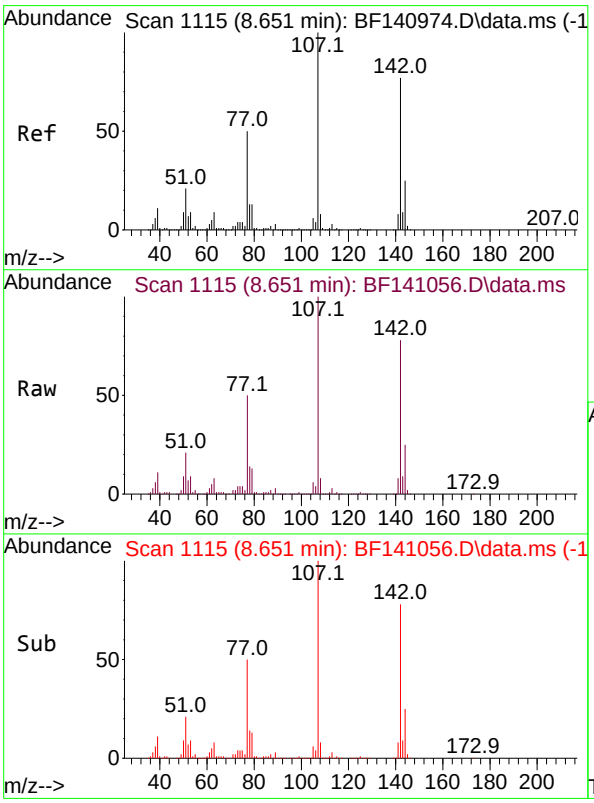
#35
Caprolactam
Concen: 37.534 ng m
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 173106

Ion	Ratio	Lower	Upper
113	100		
55	171.3	156.6	196.6
56	126.2	111.7	151.7

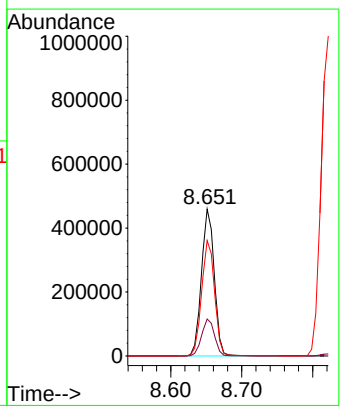


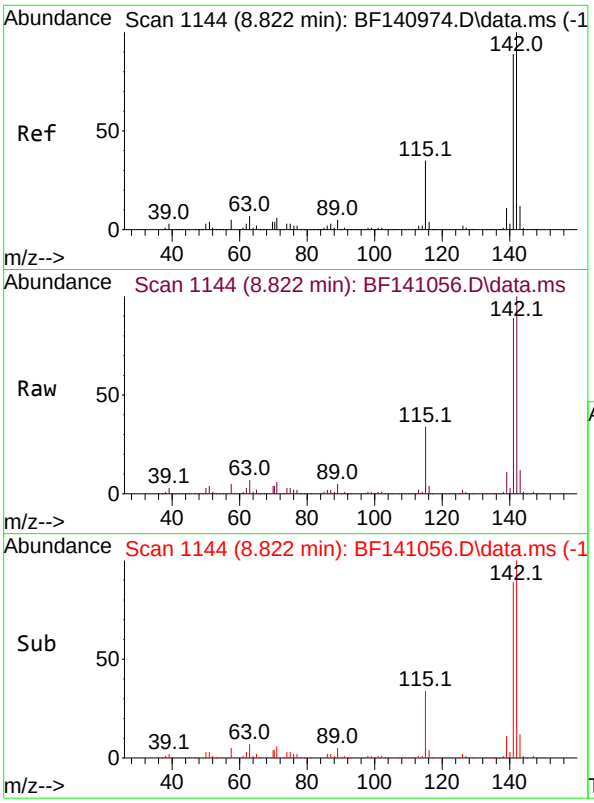


#36
4-Chloro-3-methylphenol
Concen: 38.425 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:107 Resp: 578910

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.9	29.9
142	78.5	61.8	92.8



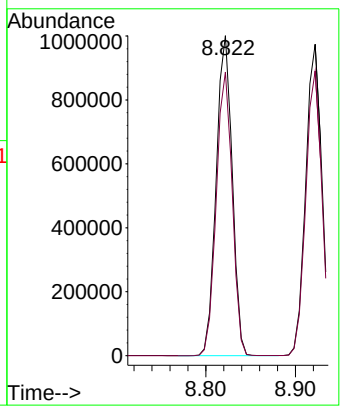


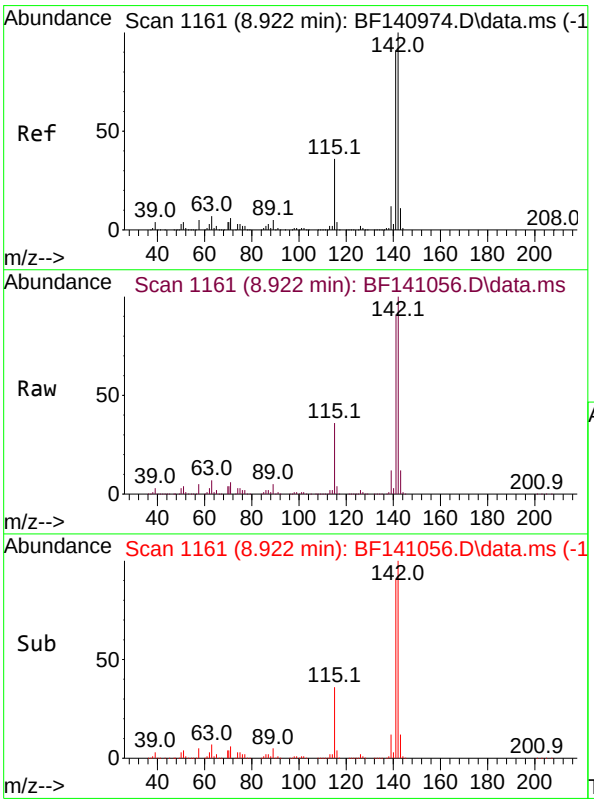
#37
2-Methylnaphthalene
Concen: 38.195 ng
RT: 8.822 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 1238999

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.1	106.7

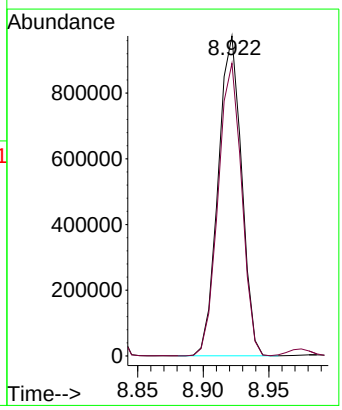


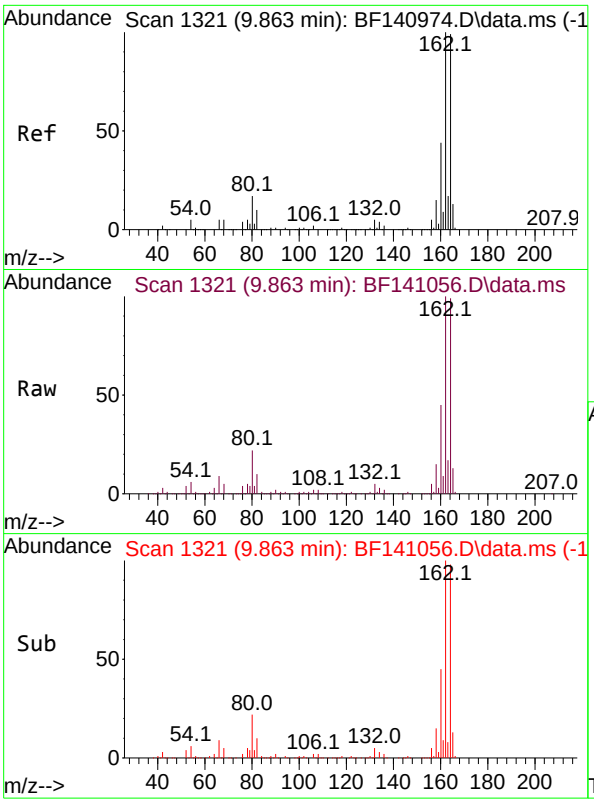


#38
1-Methylnaphthalene
Concen: 37.935 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:142 Resp: 1209371

Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.7	109.1



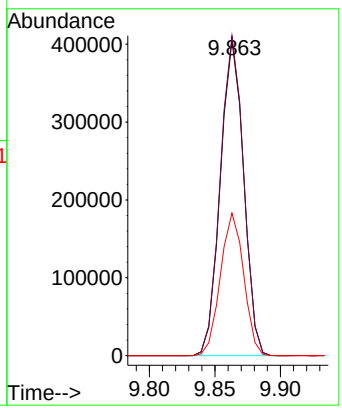


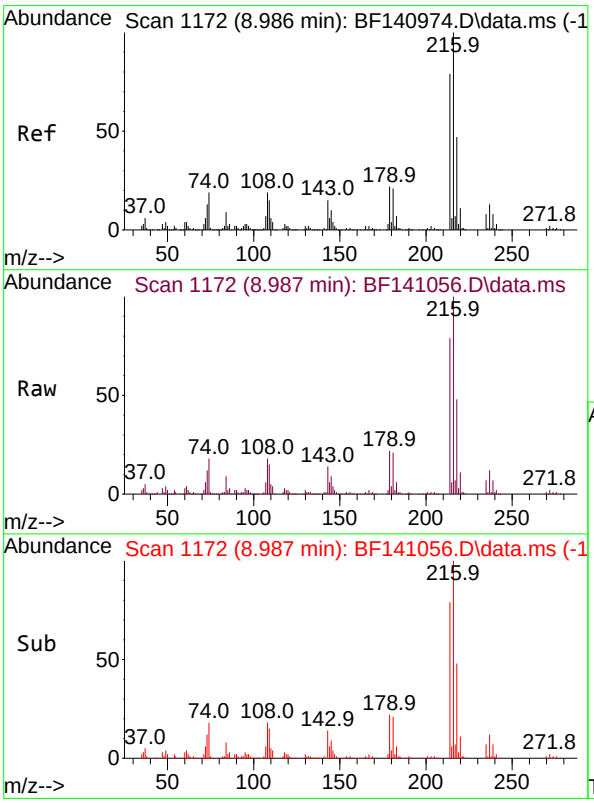
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 499397

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	120.8
160	45.2	35.7	53.5

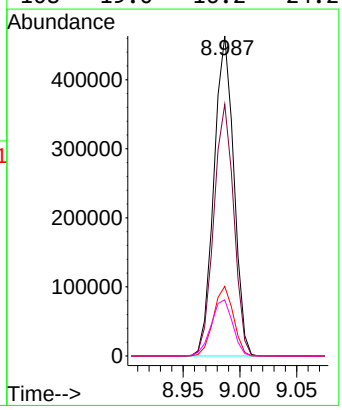


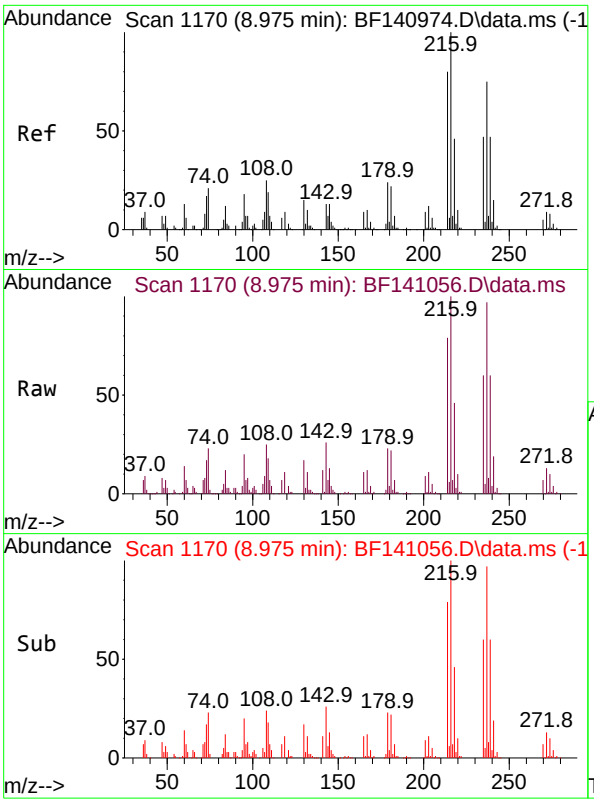


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.182 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:216 Resp: 565798

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.0	94.6
179	21.8	17.9	26.9
108	19.0	16.2	24.2



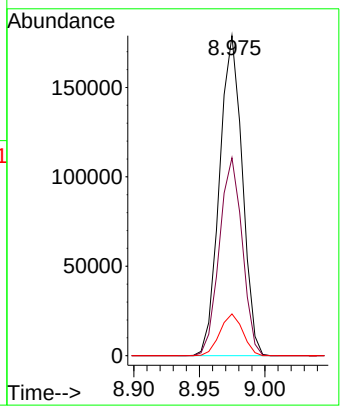


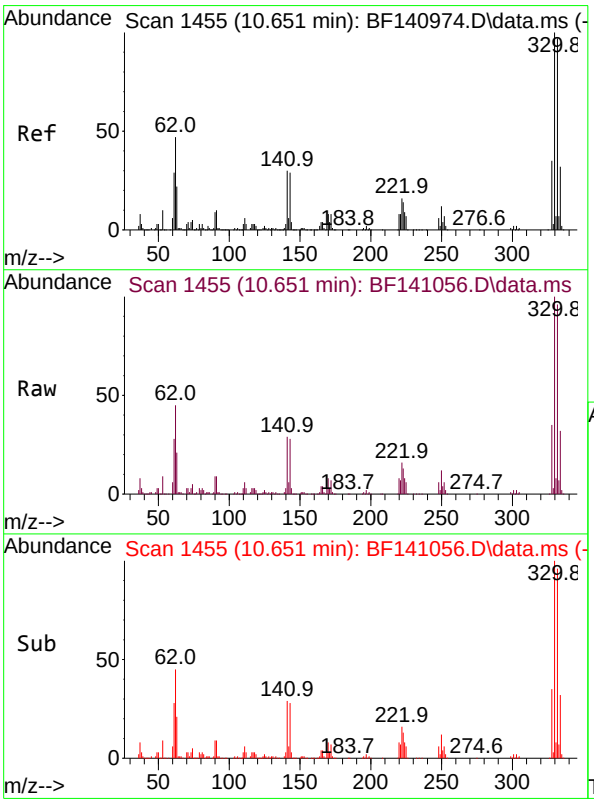
#41
Hexachlorocyclopentadiene
Concen: 47.466 ng
RT: 8.975 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 216112

Ion	Ratio	Lower	Upper
237	100		
235	61.9	43.4	83.4
272	13.0	0.0	32.6

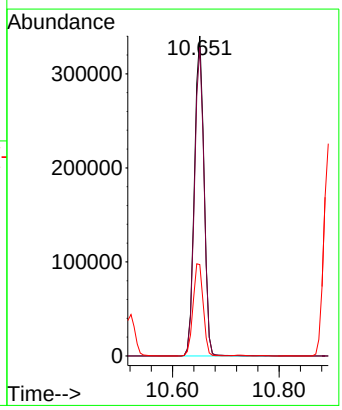


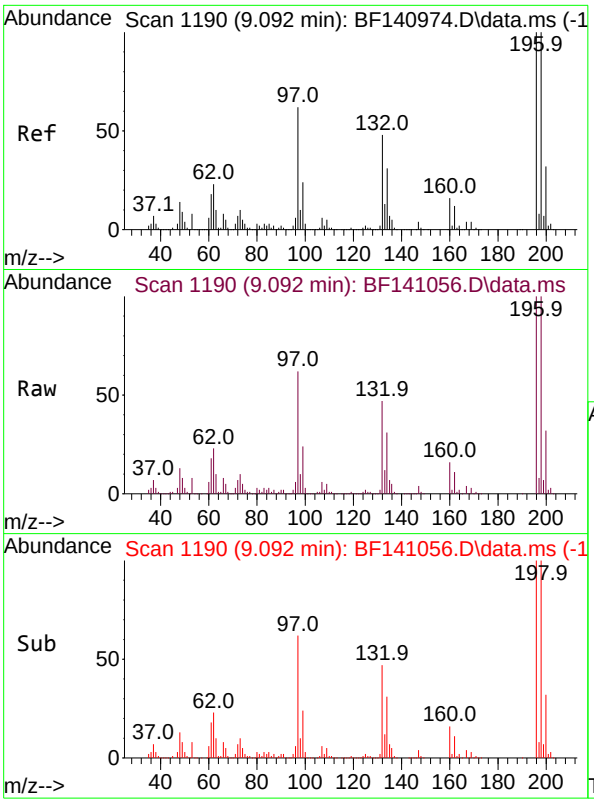


#42
2,4,6-Tribromophenol
Concen: 87.297 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:330 Resp: 423622

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	30.5	26.4	39.6



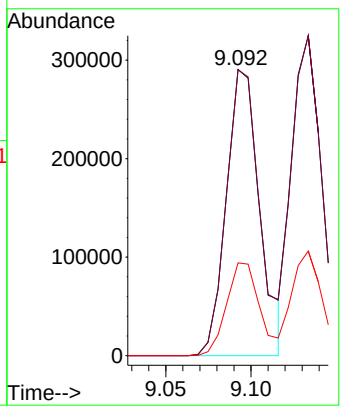


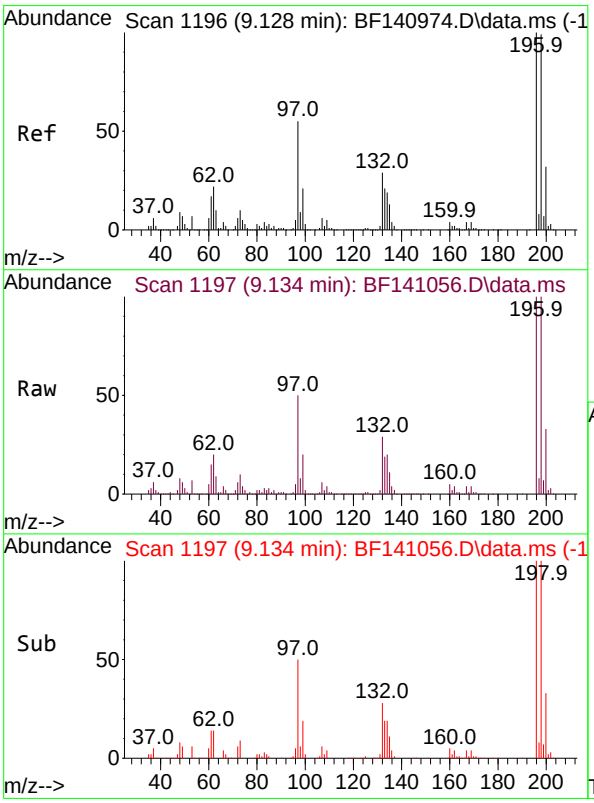
#43
2,4,6-Trichlorophenol
Concen: 43.220 ng
RT: 9.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 395207

Ion	Ratio	Lower	Upper
196	100		
198	99.9	80.2	120.4
200	32.5	25.8	38.6

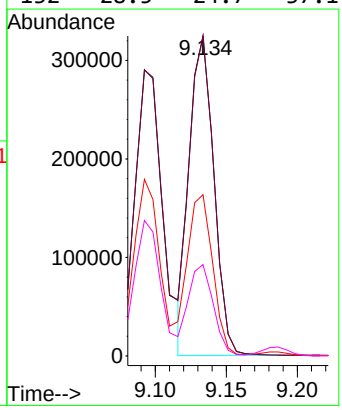


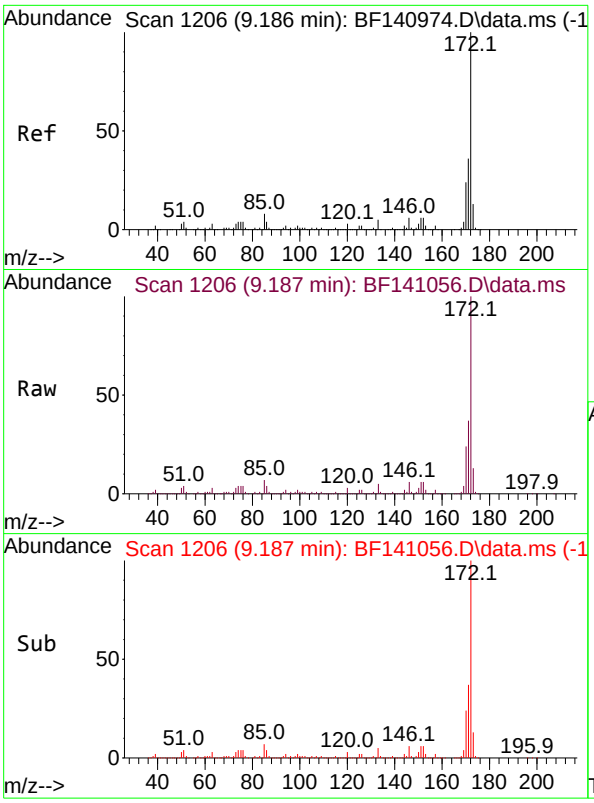


#44
2,4,5-Trichlorophenol
Concen: 41.935 ng
RT: 9.134 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:196 Resp: 392351

Ion	Ratio	Lower	Upper
196	100		
198	100.0	79.9	119.9
97	50.4	44.3	66.5
132	28.5	24.7	37.1



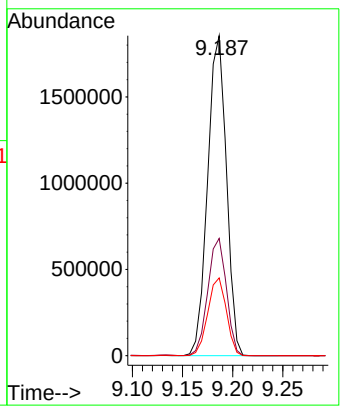


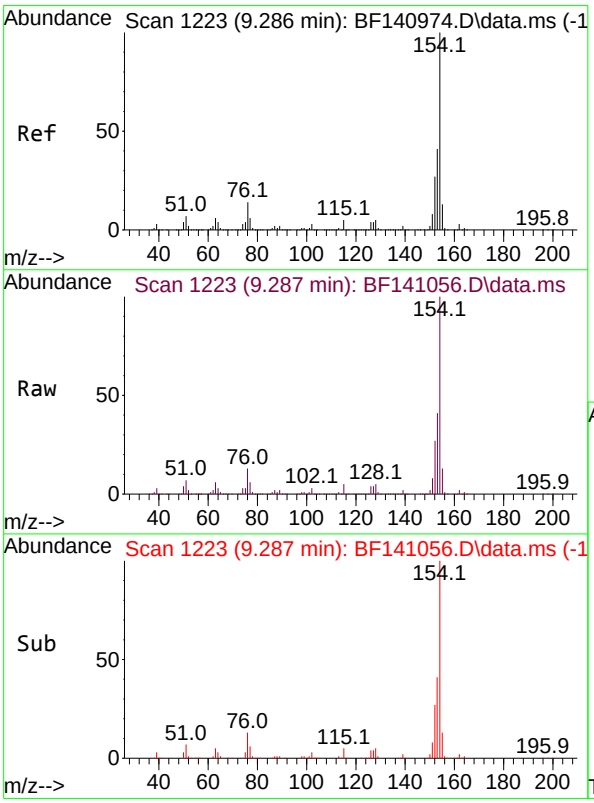
#45
2-Fluorobiphenyl
Concen: 76.894 ng
RT: 9.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 2410223

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	24.3	19.6	29.4

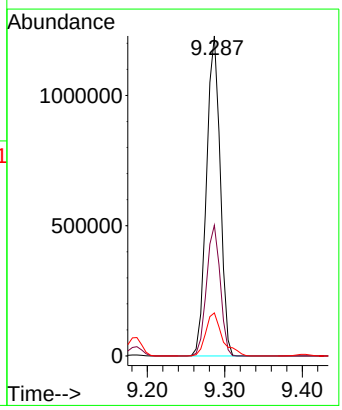


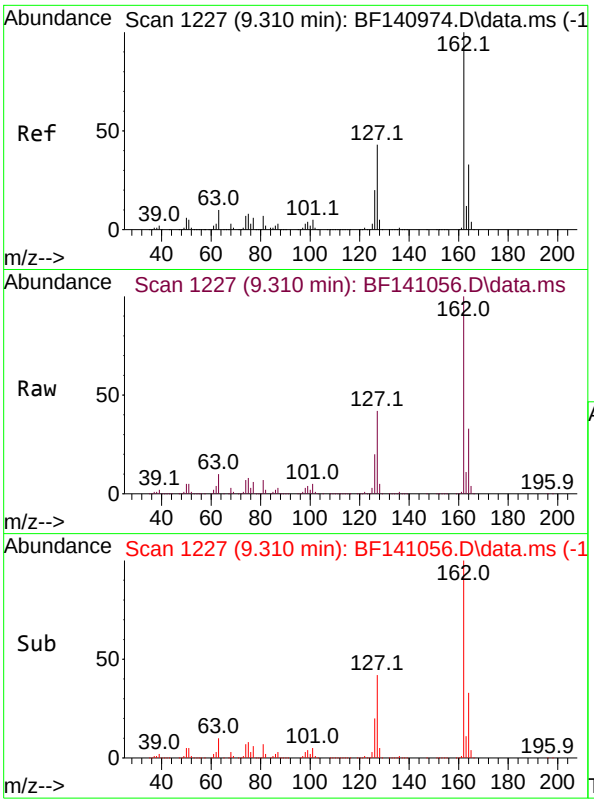


#46
1,1'-Biphenyl
Concen: 39.415 ng
RT: 9.287 min Scan# 1223
Delta R.T. 0.001 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:154 Resp: 1507181

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.9	60.9
76	13.5	0.0	34.0



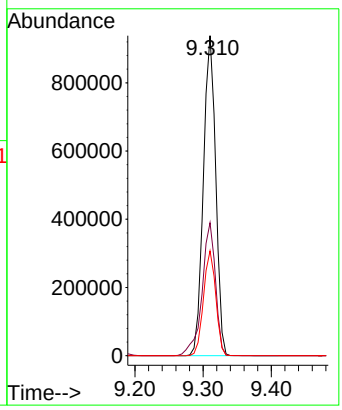


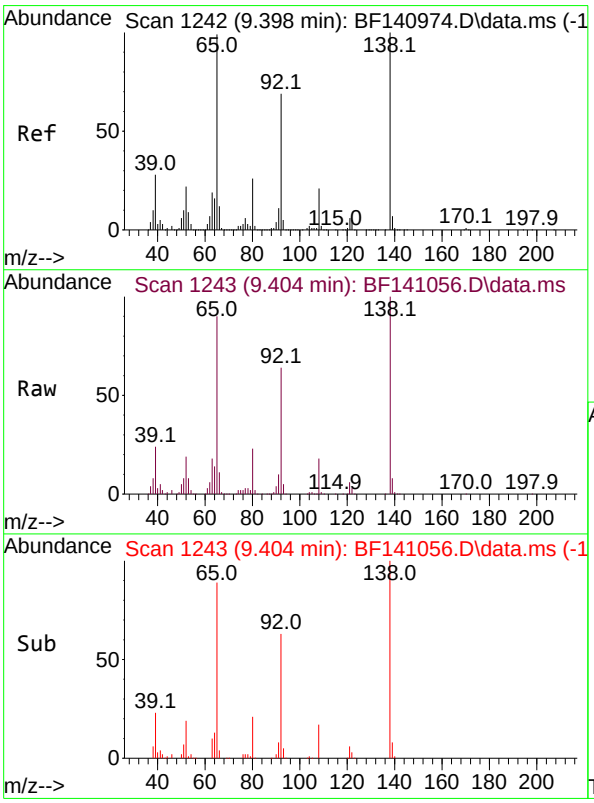
#47
2-Chloronaphthalene
Concen: 39.805 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 1180472

Ion	Ratio	Lower	Upper
162	100		
127	41.5	34.2	51.4
164	32.8	26.6	40.0

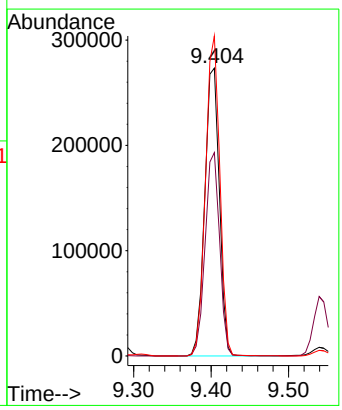


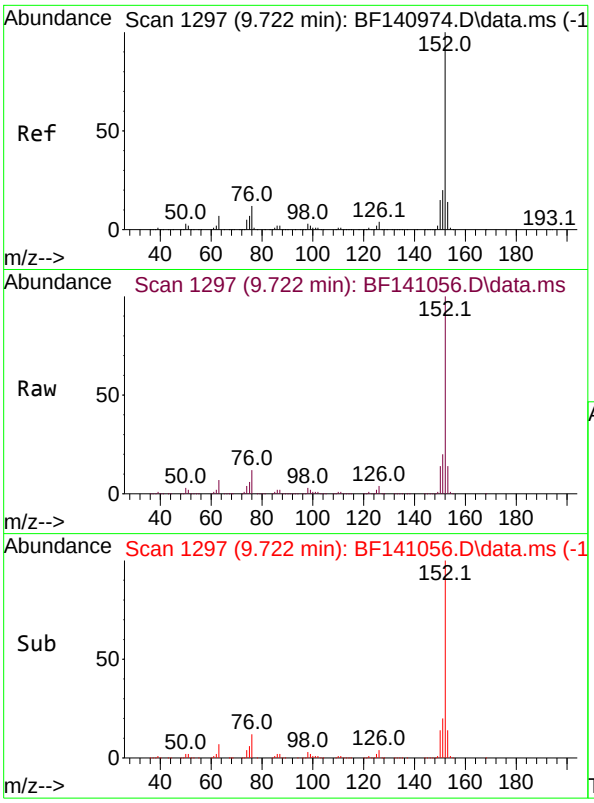


#48
2-Nitroaniline
Concen: 46.405 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 65 Resp: 358698

Ion	Ratio	Lower	Upper
65	100		
92	70.7	55.6	83.4
138	111.2	80.5	120.7



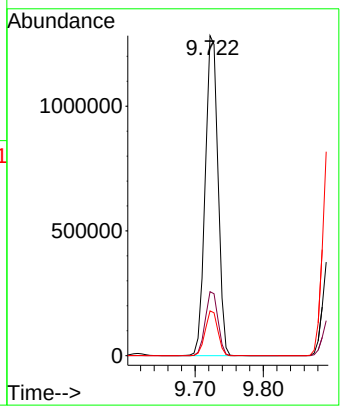


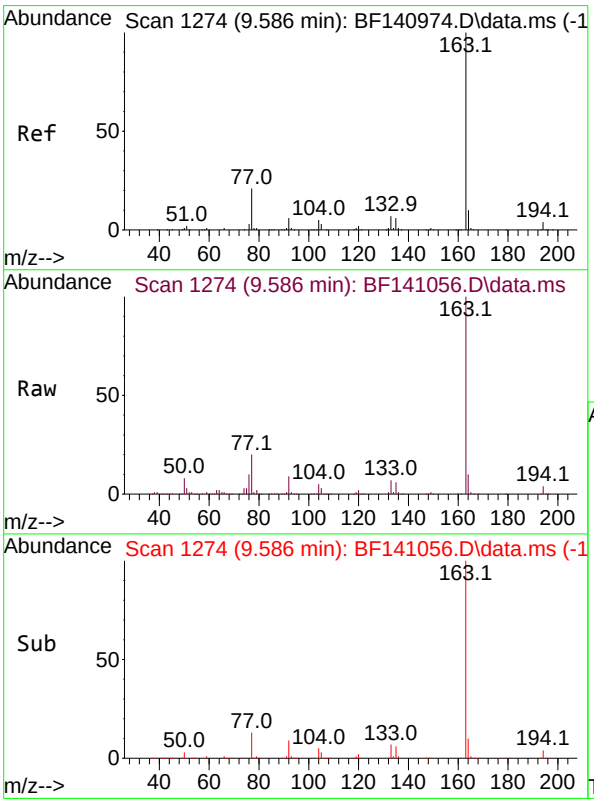
#49
Acenaphthylene
Concen: 39.119 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1670081

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.4
153	14.0	11.4	17.0

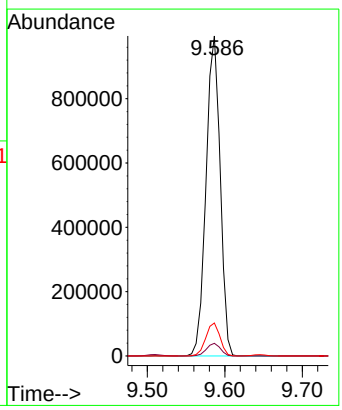


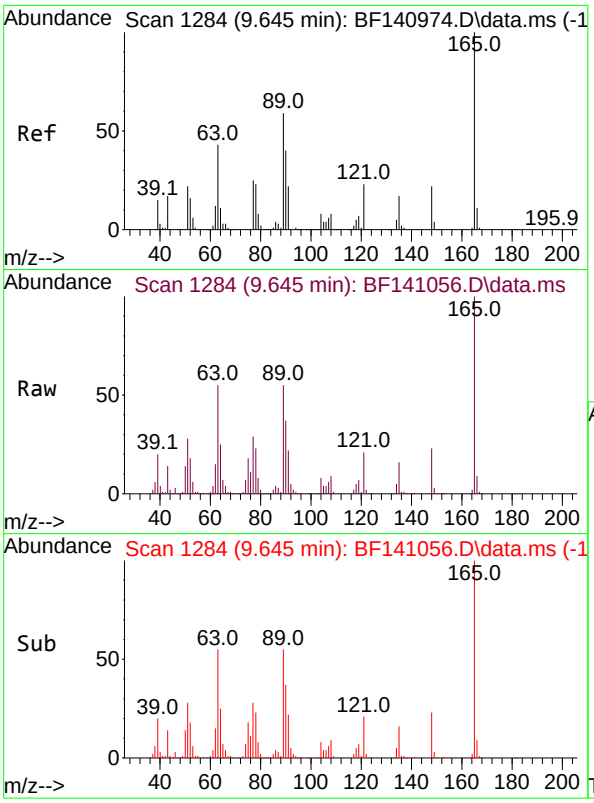


#50
Dimethylphthalate
Concen: 38.410 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:163 Resp: 1261720

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.3	8.3	12.5



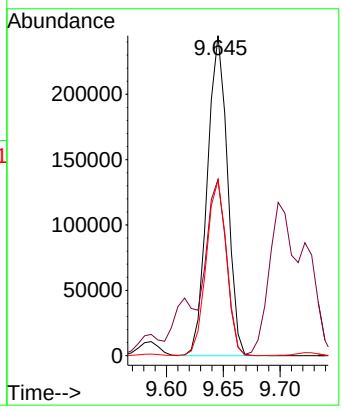


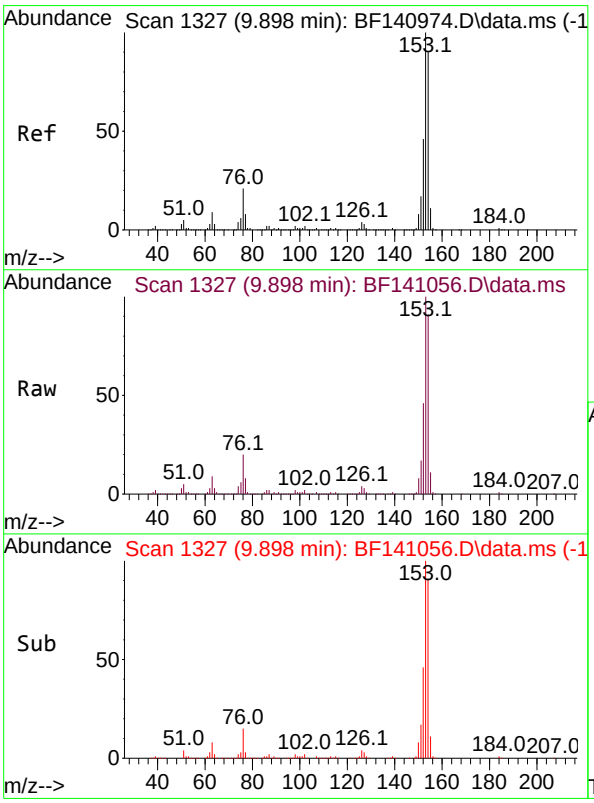
#51
2,6-Dinitrotoluene
Concen: 45.153 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 300908

Ion	Ratio	Lower	Upper
165	100		
63	55.1	47.1	70.7
89	54.8	47.0	70.4

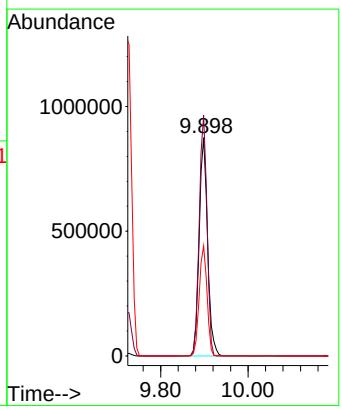


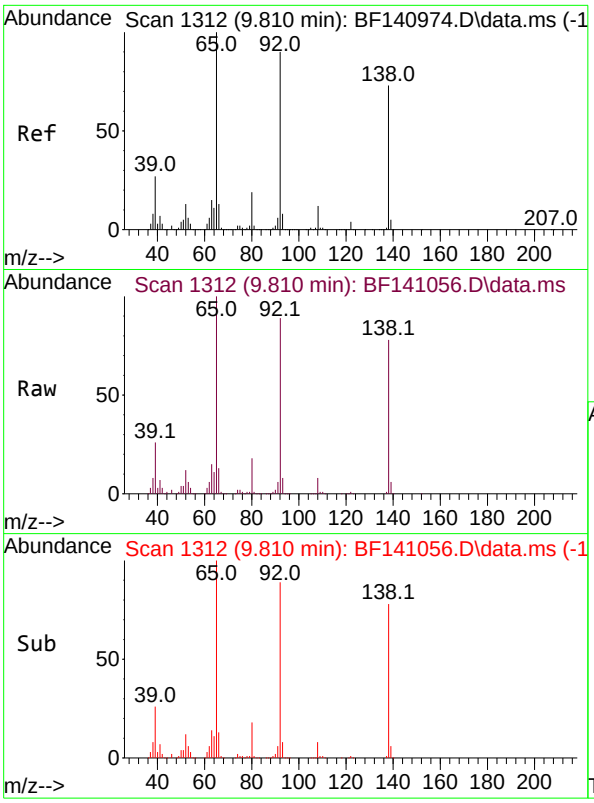


#52
Acenaphthene
Concen: 40.559 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:154 Resp: 1170619

Ion	Ratio	Lower	Upper
154	100		
153	110.3	89.2	133.8
152	50.5	40.9	61.3



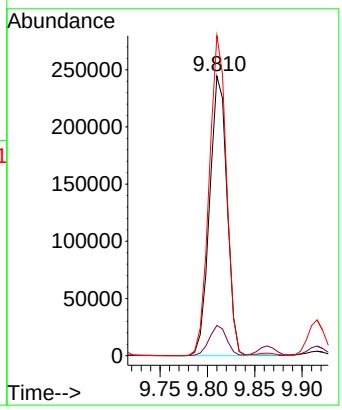


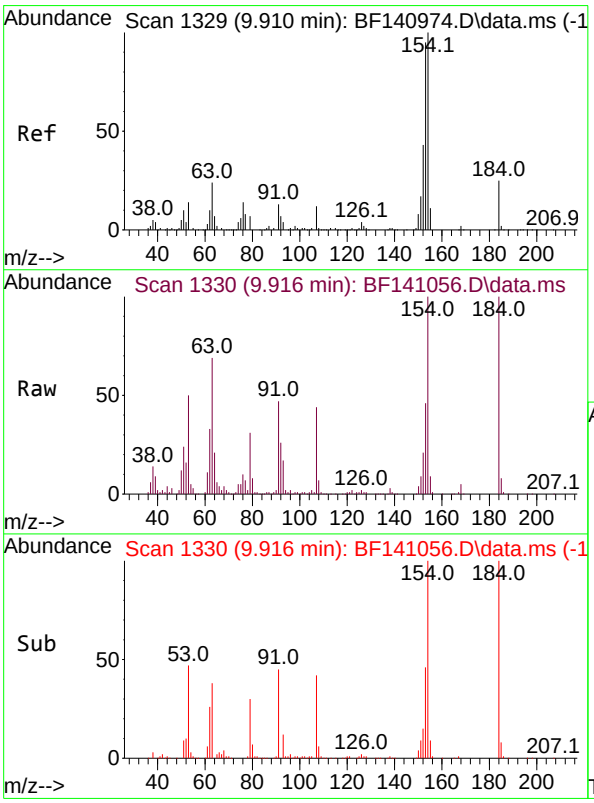
#53
3-Nitroaniline
Concen: 43.308 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 313010

Ion	Ratio	Lower	Upper
138	100		
108	10.8	13.5	20.3#
92	114.5	97.7	146.5

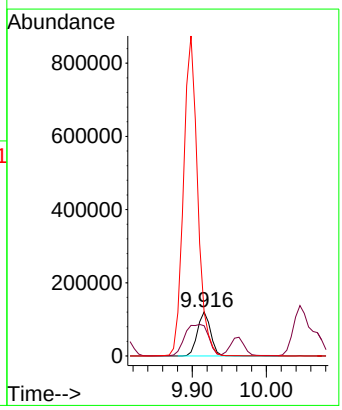


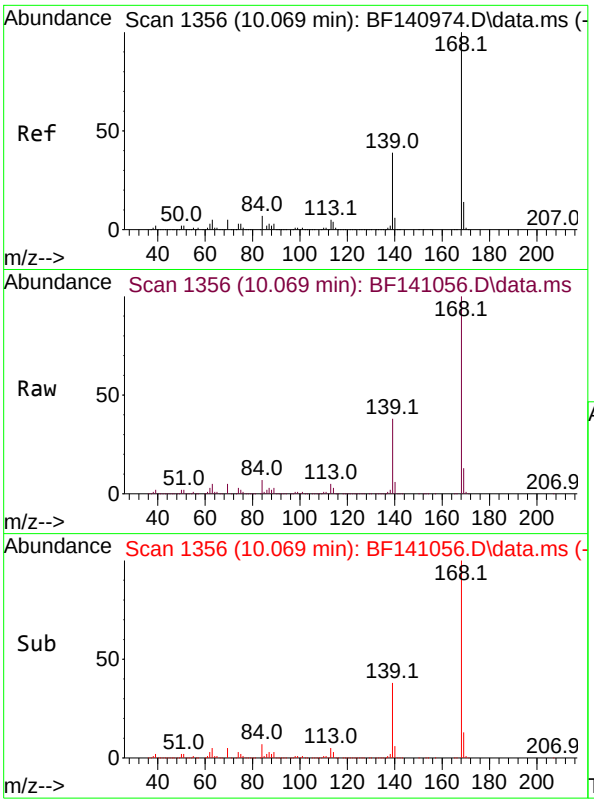


#54
2,4-Dinitrophenol
Concen: 62.472 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:184 Resp: 147869

Ion	Ratio	Lower	Upper
184	100		
63	68.7	81.6	122.4#
154	99.9	363.5	545.3#



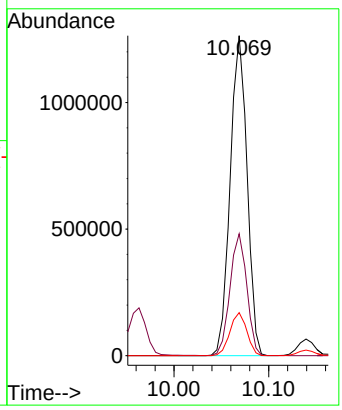


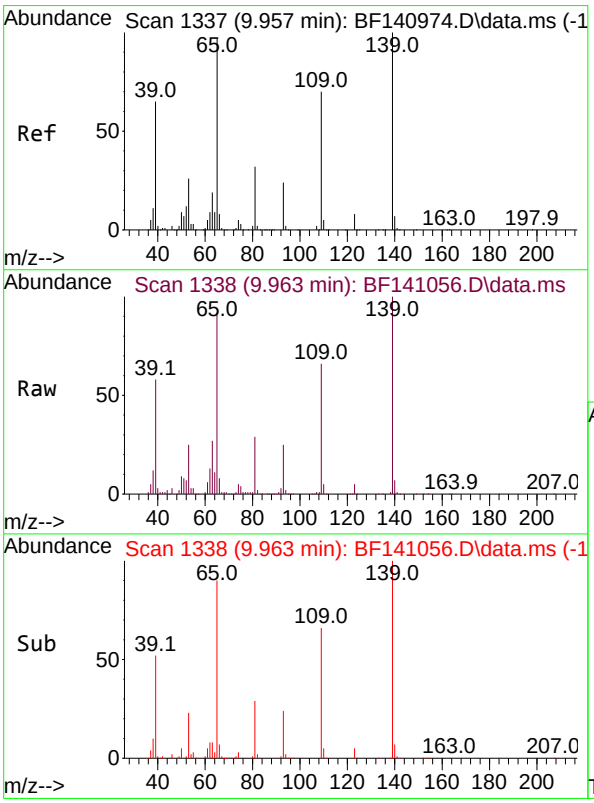
#55
Dibenzofuran
Concen: 38.614 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1566244

Ion	Ratio	Lower	Upper
168	100		
139	38.1	31.6	47.4
169	13.5	11.0	16.6

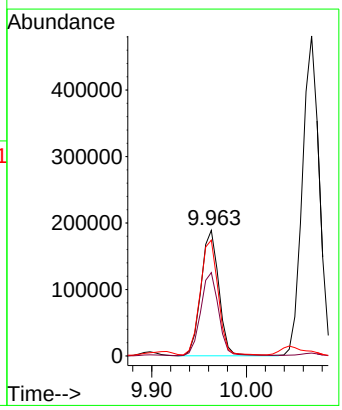


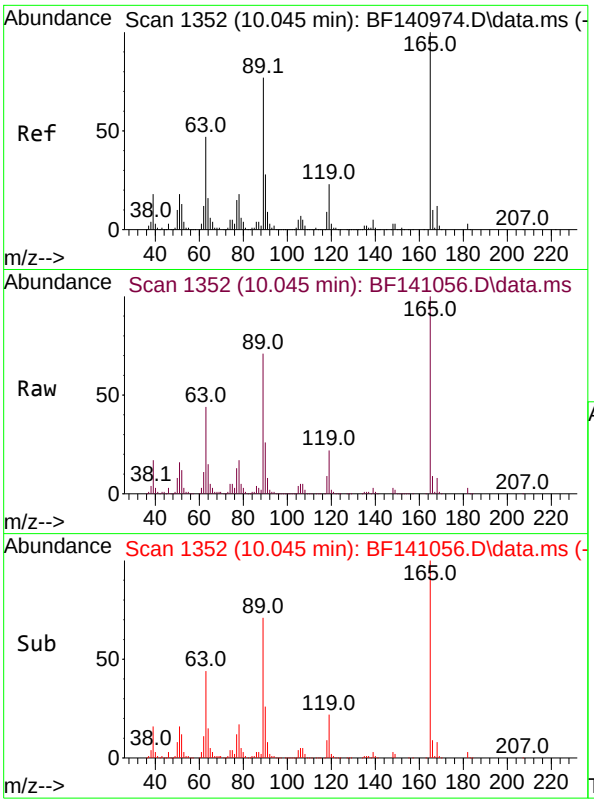


#56
4-Nitrophenol
Concen: 44.114 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:139 Resp: 247878

Ion	Ratio	Lower	Upper
139	100		
109	66.4	50.8	90.8
65	92.2	78.5	118.5



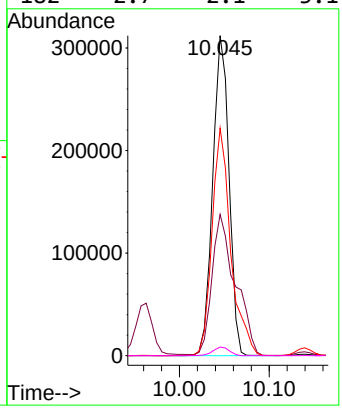


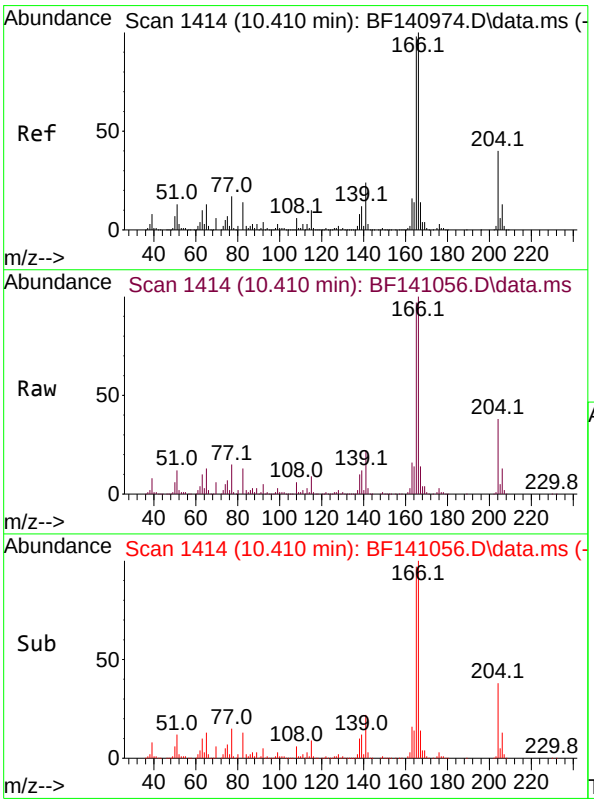
#57
2,4-Dinitrotoluene
Concen: 47.848 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 392109

Ion	Ratio	Lower	Upper
165	100		
63	44.2	38.1	57.1
89	71.1	61.4	92.2
182	2.7	2.1	3.1

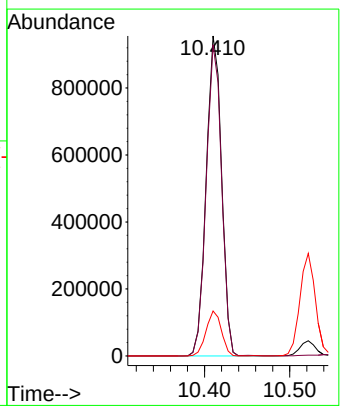


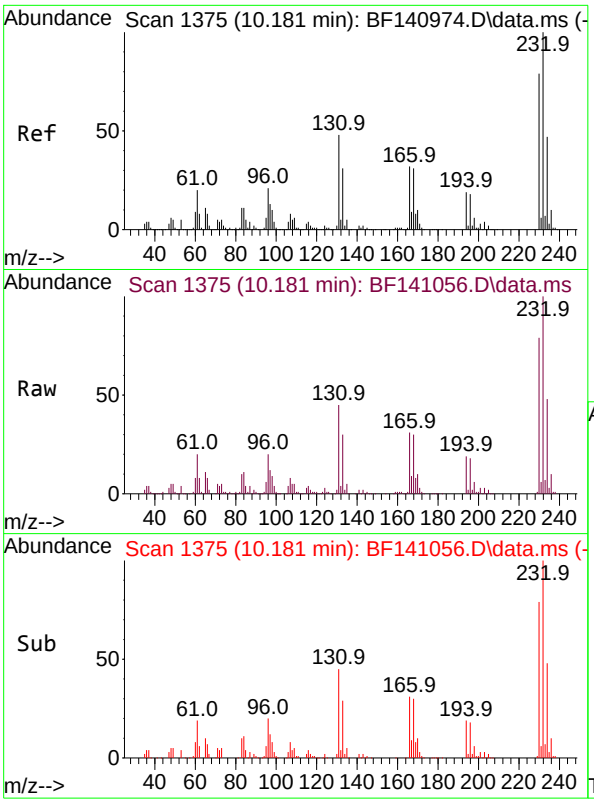


#58
Fluorene
Concen: 38.136 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:166 Resp: 1199483

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.3	117.5
167	14.1	10.9	16.3



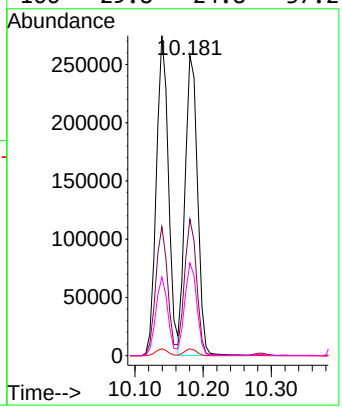


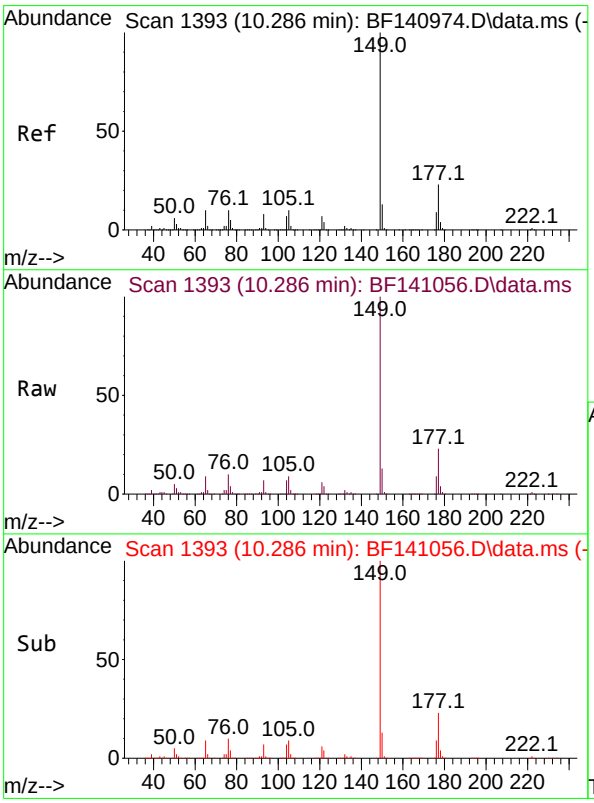
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.813 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 323996

Ion	Ratio	Lower	Upper
232	100		
131	43.9	37.4	56.2
130	2.3	1.8	2.8
166	29.8	24.8	37.2

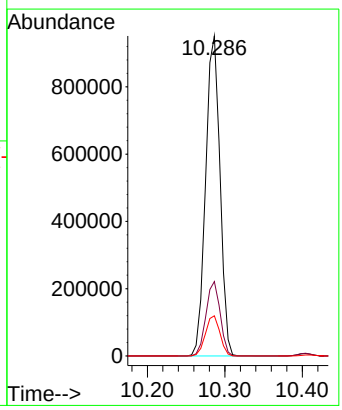


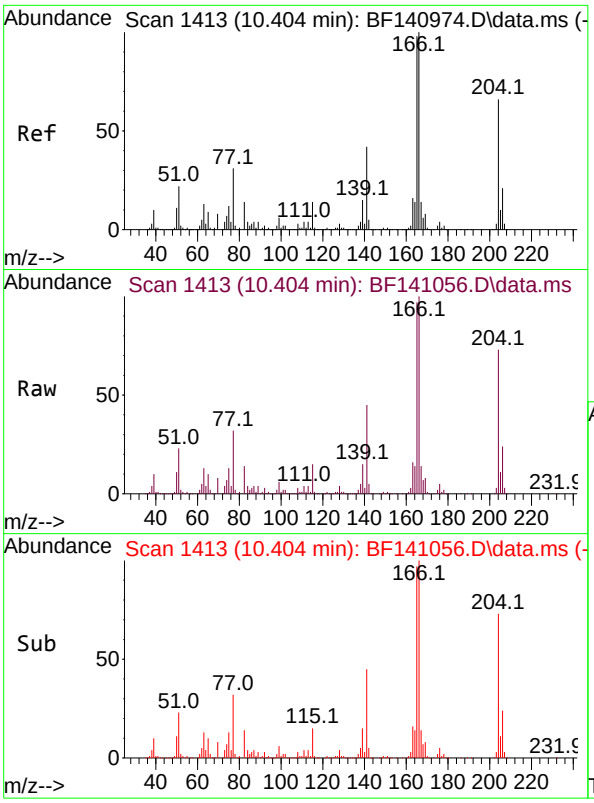


#60
Diethylphthalate
Concen: 37.678 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:149 Resp: 1221862

Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.3	27.5
150	12.6	10.4	15.6



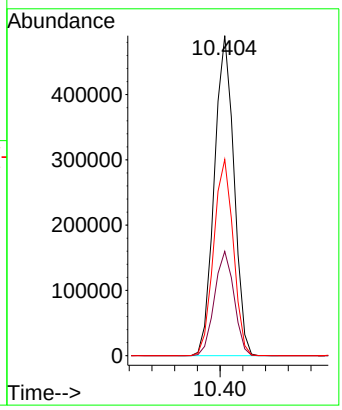


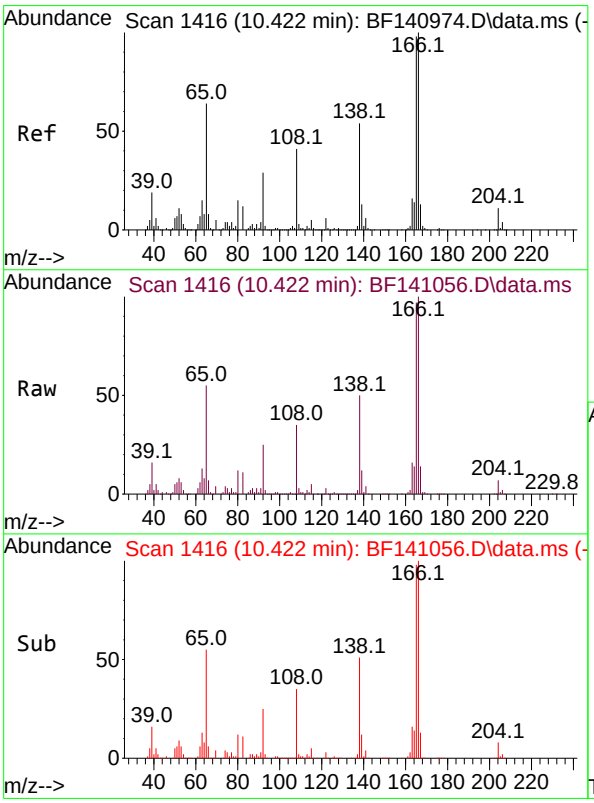
#61
4-Chlorophenyl-phenylether
Concen: 38.896 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 588670

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.6
141	61.3	51.2	76.8

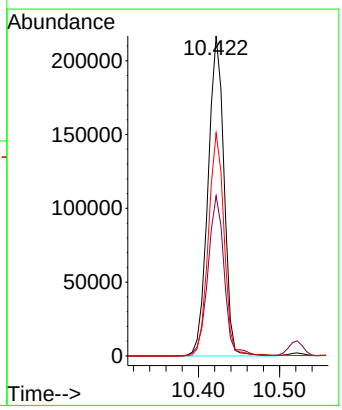


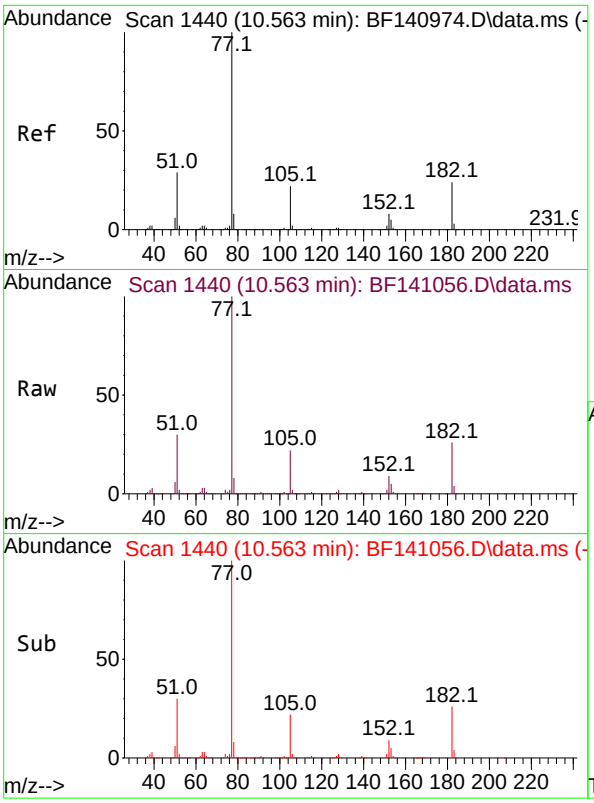


#62
4-Nitroaniline
Concen: 41.190 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:138 Resp: 296073

Ion	Ratio	Lower	Upper
138	100		
92	50.1	34.8	74.8
108	69.6	55.9	95.9



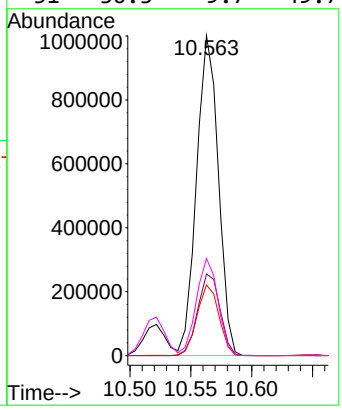


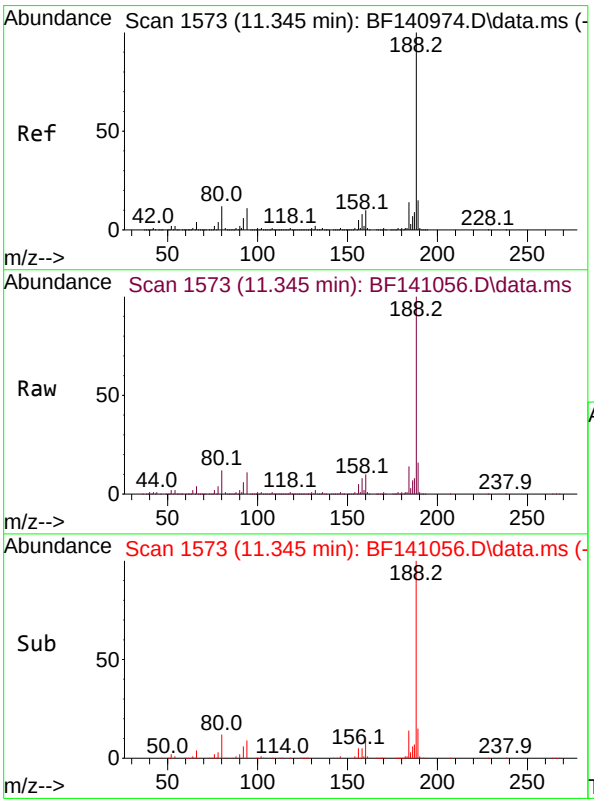
#63
Azobenzene
Concen: 36.490 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1242068

Ion	Ratio	Lower	Upper
77	100		
182	25.5	4.1	44.1
105	22.1	1.8	41.8
51	30.3	9.7	49.7

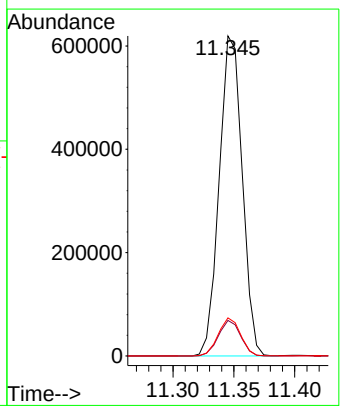


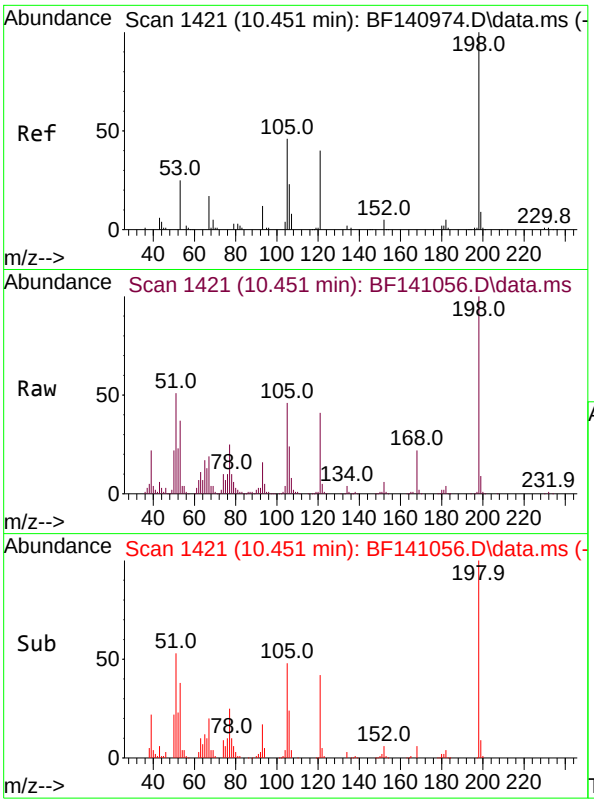


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:188 Resp: 814502

Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.0	13.6
80	11.9	9.8	14.6



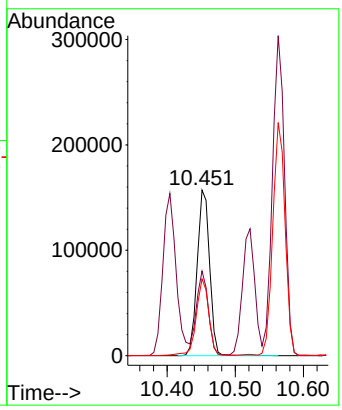


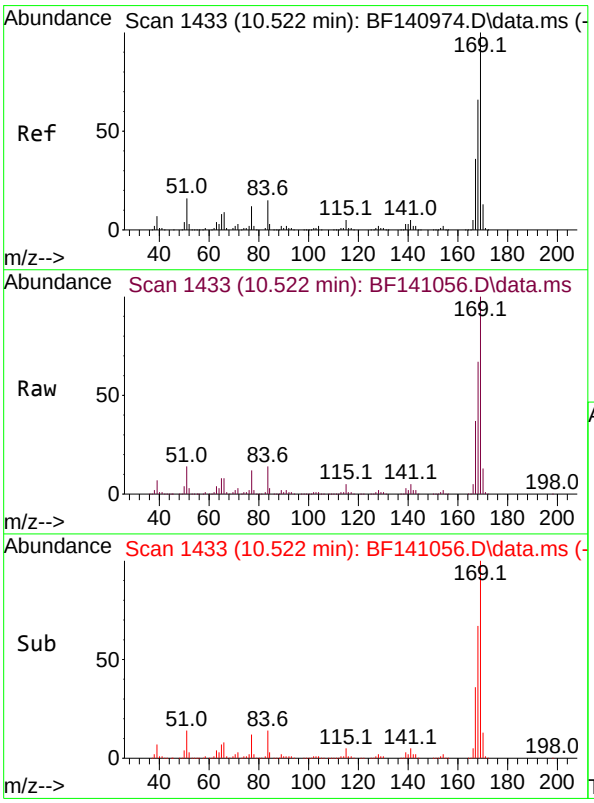
#65
4,6-Dinitro-2-methylphenol
Concen: 58.512 ng
RT: 10.451 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 198270

Ion	Ratio	Lower	Upper
198	100		
51	51.1	32.3	72.3
105	46.4	28.4	68.4

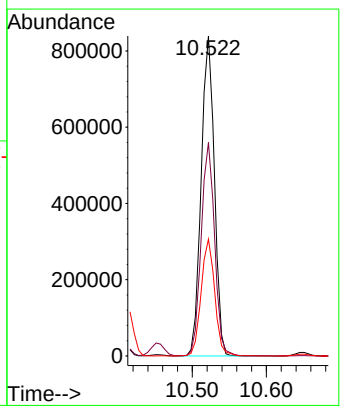


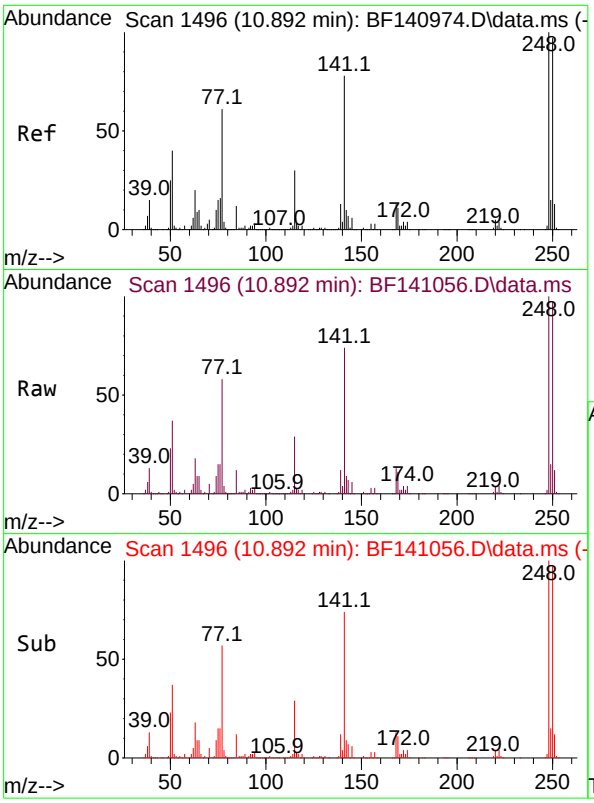


#66
n-Nitrosodiphenylamine
Concen: 40.455 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:169 Resp: 1037613

Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.6	79.0
167	36.5	29.0	43.4



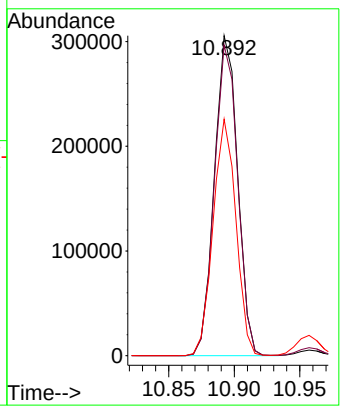


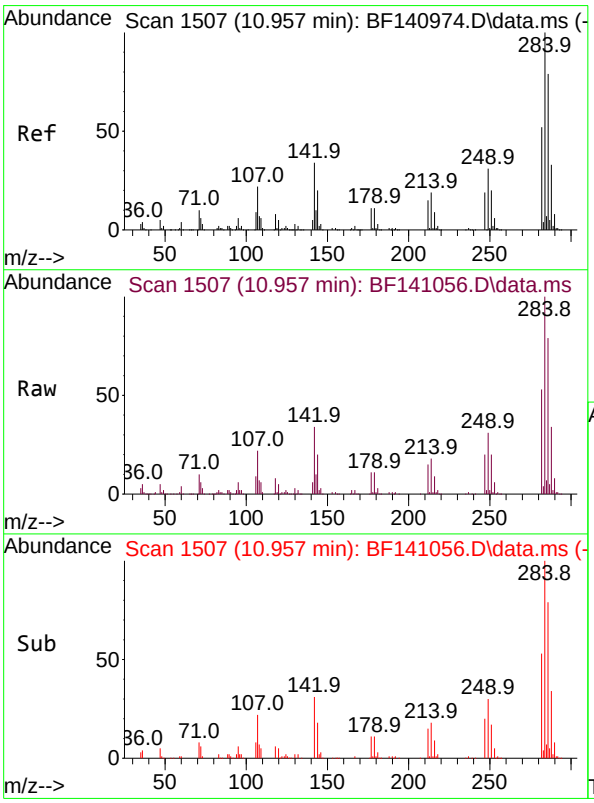
#67
4-Bromophenyl-phenylether
Concen: 42.756 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 376460

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.7	116.5
141	73.9	62.1	93.1

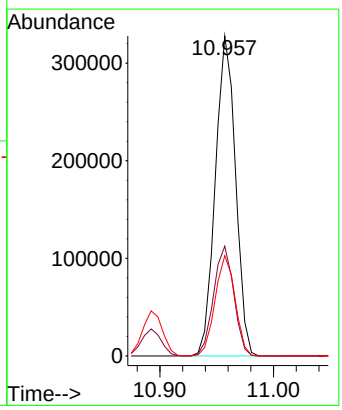


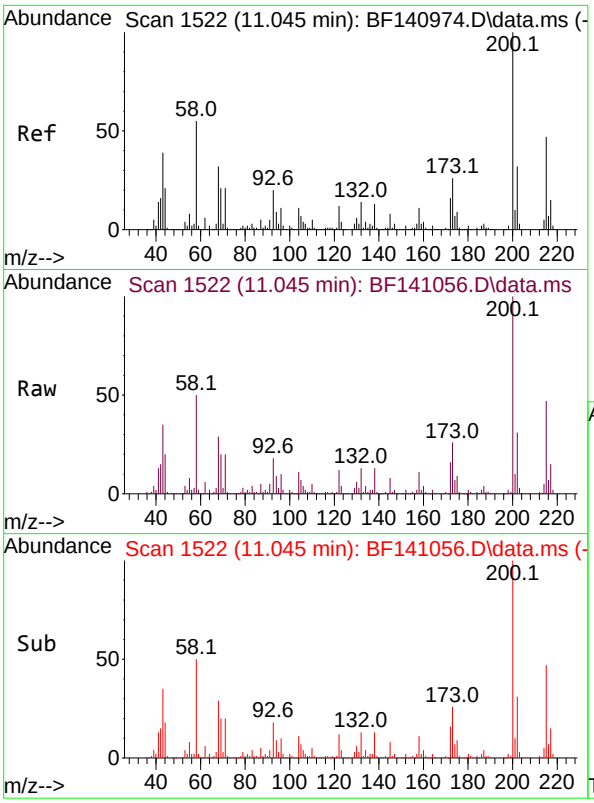


#68
Hexachlorobenzene
Concen: 41.736 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:284 Resp: 405210

Ion	Ratio	Lower	Upper
284	100		
142	34.3	27.1	40.7
249	31.4	25.1	37.7



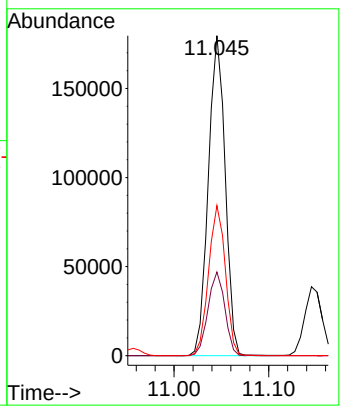


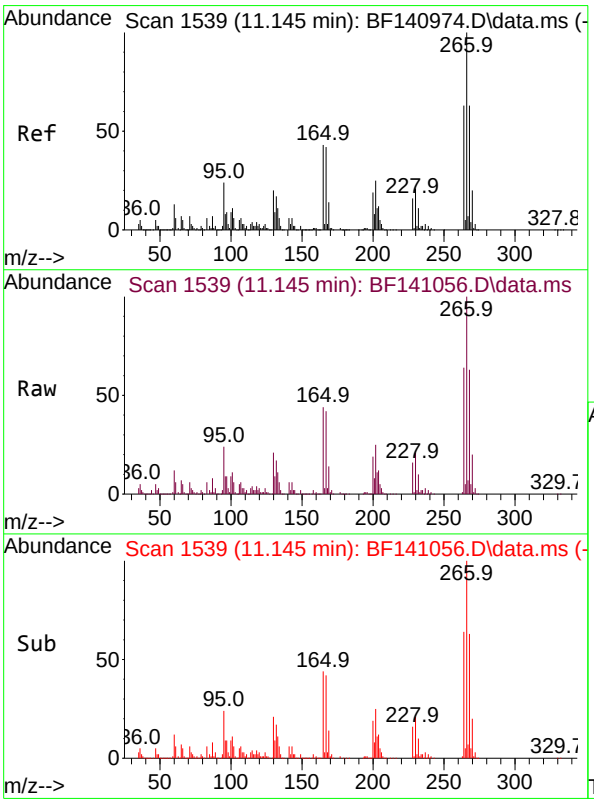
#69
Atrazine
Concen: 30.966 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 221886

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.4	46.4
215	46.9	27.2	67.2

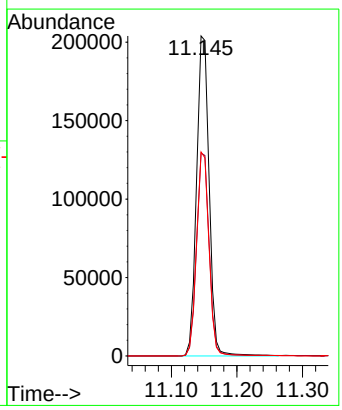


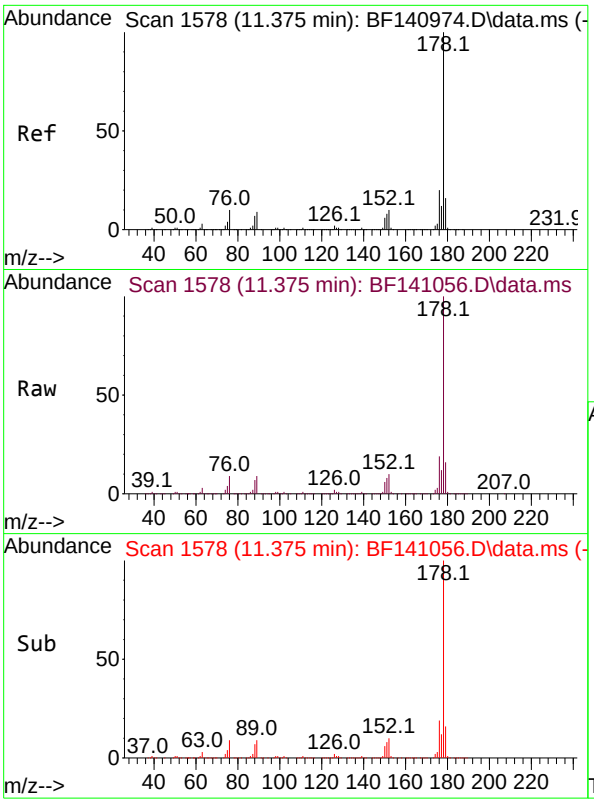


#70
Pentachlorophenol
Concen: 45.157 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:266 Resp: 272964

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.5	75.7
264	63.8	50.2	75.4



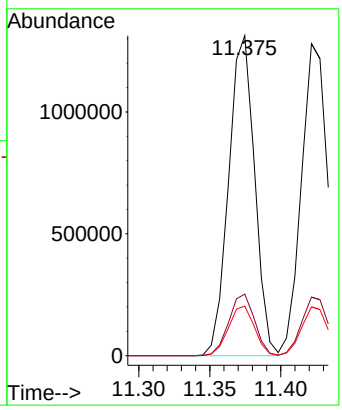


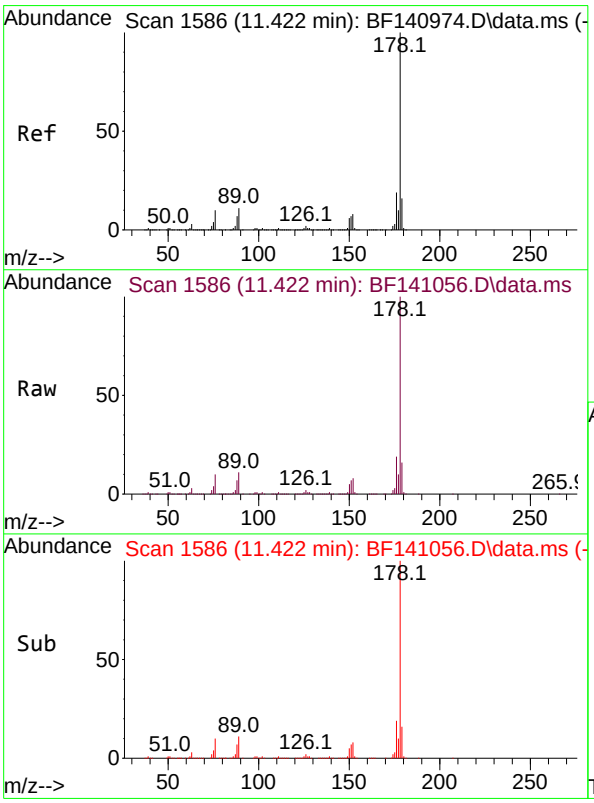
#71
Phenanthrene
Concen: 39.047 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 1673884

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.6
179	15.5	12.6	19.0

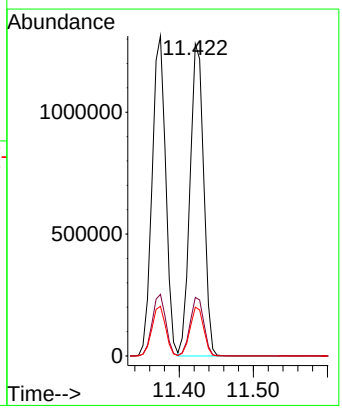


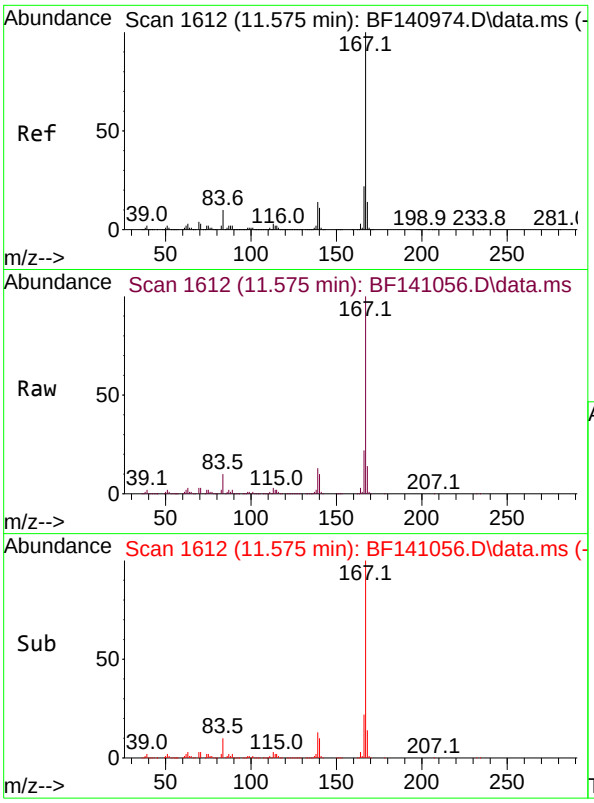


#72
Anthracene
Concen: 39.126 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:178 Resp: 1643512

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.7	12.9	19.3



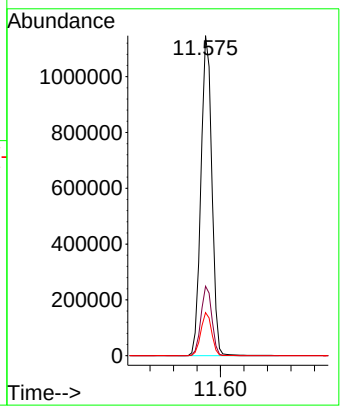


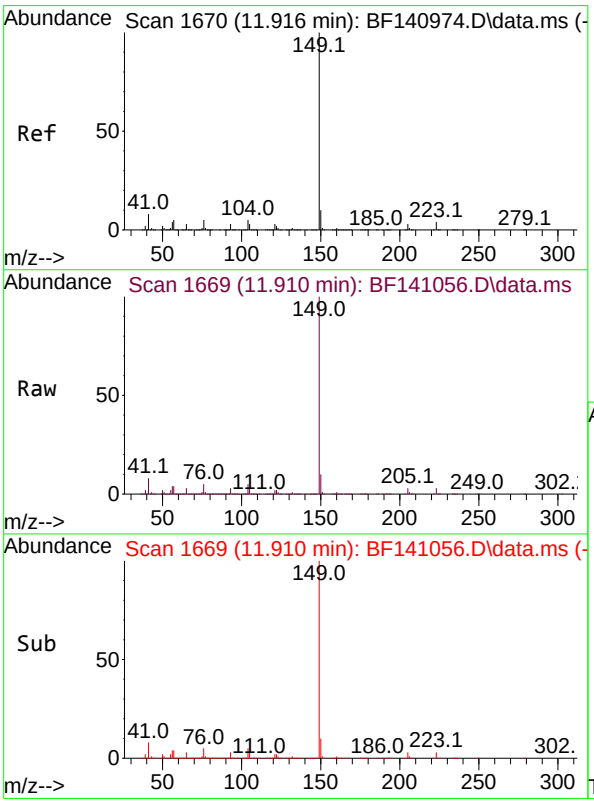
#73
Carbazole
Concen: 36.565 ng
RT: 11.575 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 1476517

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.5	26.3
139	13.5	11.0	16.4

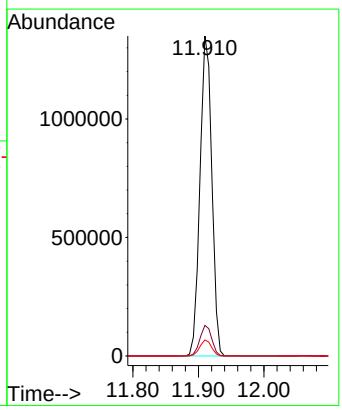


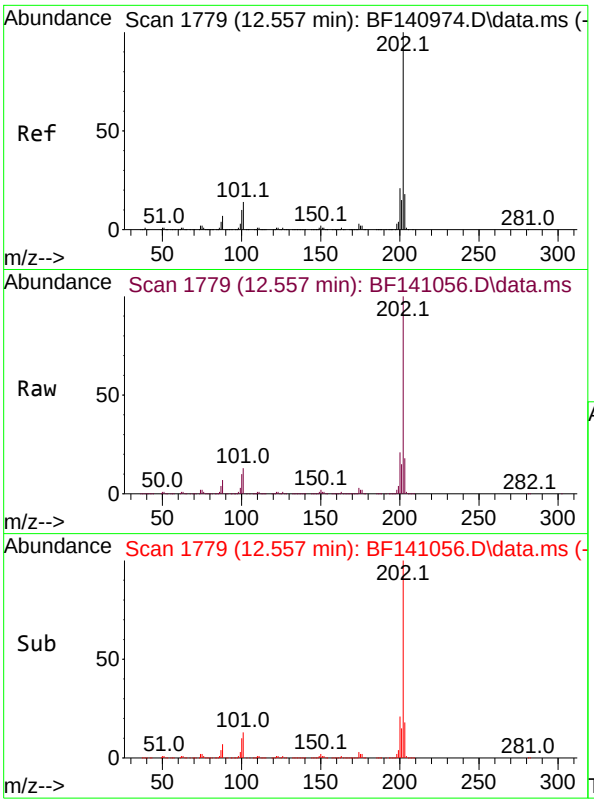


#74
Di-n-butylphthalate
Concen: 36.952 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:149 Resp: 1697159

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.7	11.5
104	5.0	4.1	6.1



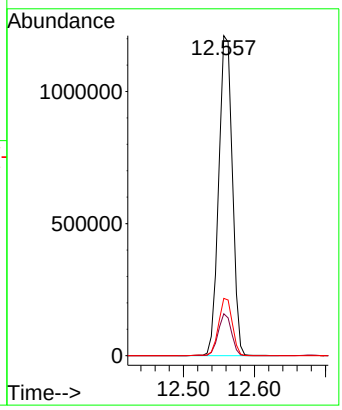


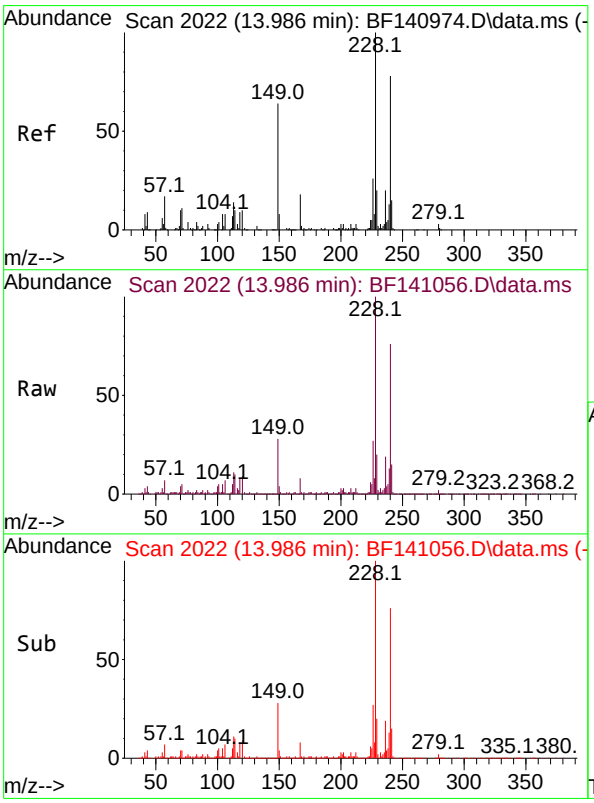
#75
Fluoranthene
Concen: 34.610 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 1609109

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.7
203	17.9	0.0	38.1

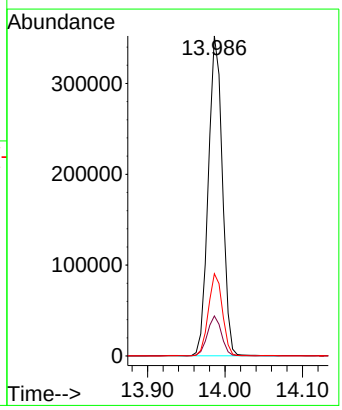


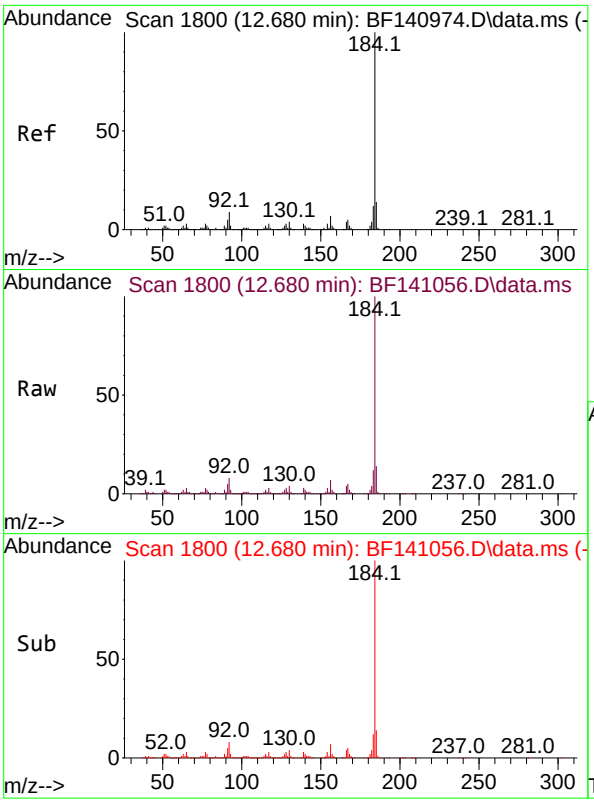


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:240 Resp: 443018

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.7	16.1
236	25.7	20.6	31.0



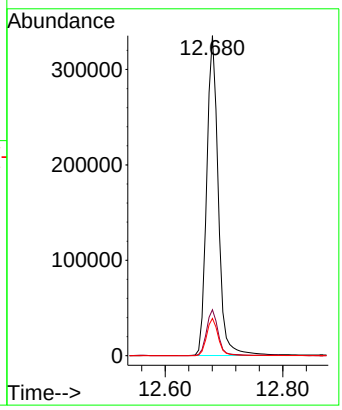


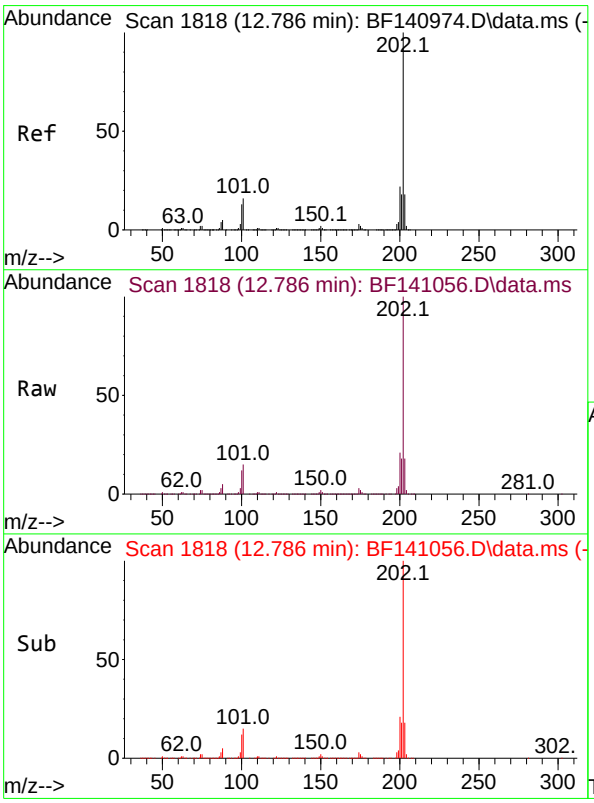
#77
Benzidine
Concen: 48.939 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 458201

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.2
183	11.7	9.4	14.0

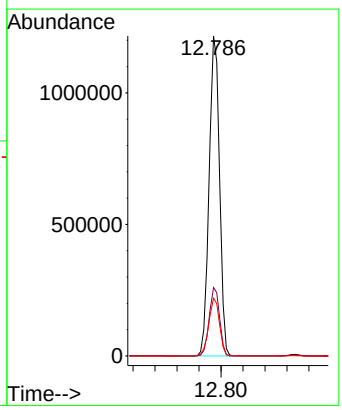


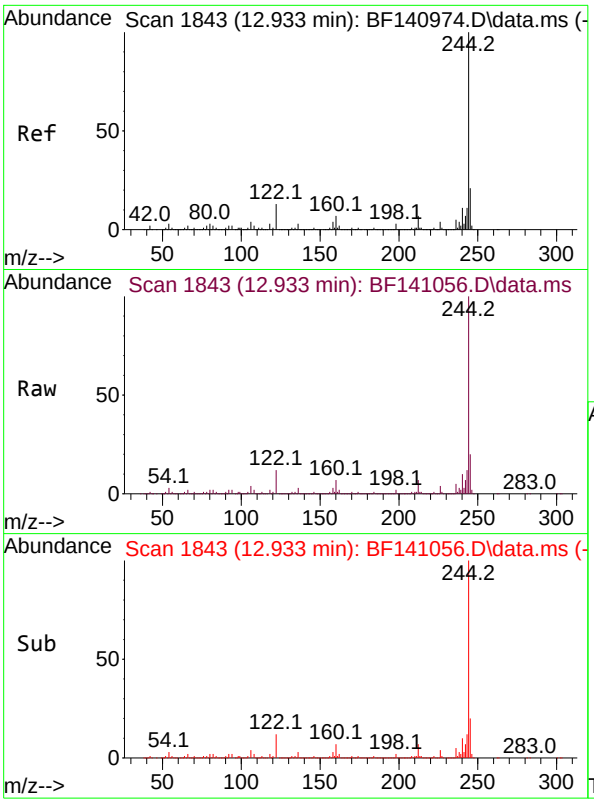


#78
Pyrene
Concen: 41.154 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:202 Resp: 1594512

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.3	25.9
203	18.1	14.6	21.8



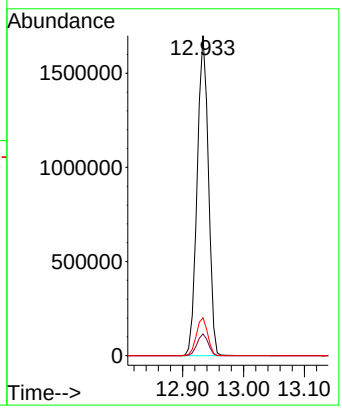


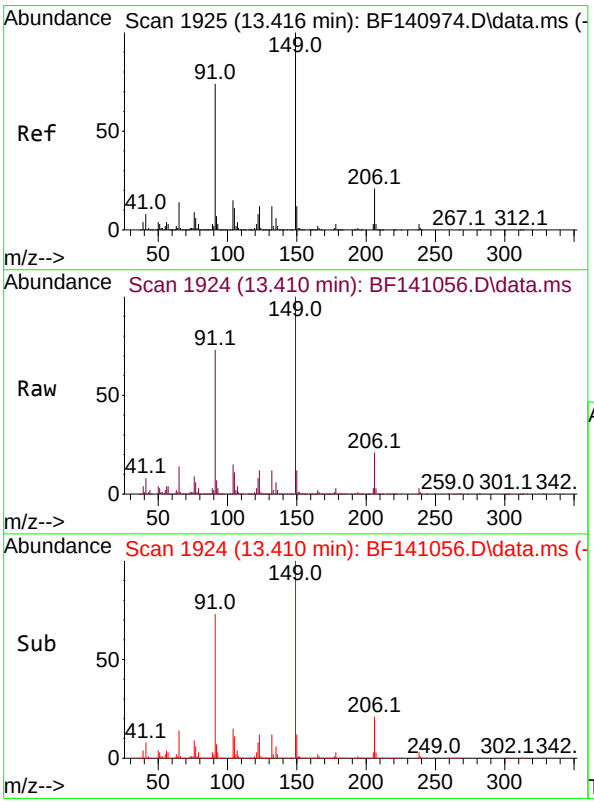
#79
Terphenyl-d14
Concen: 81.499 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 2173730

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.8	10.2	15.2

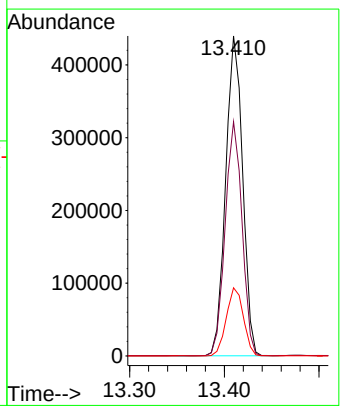


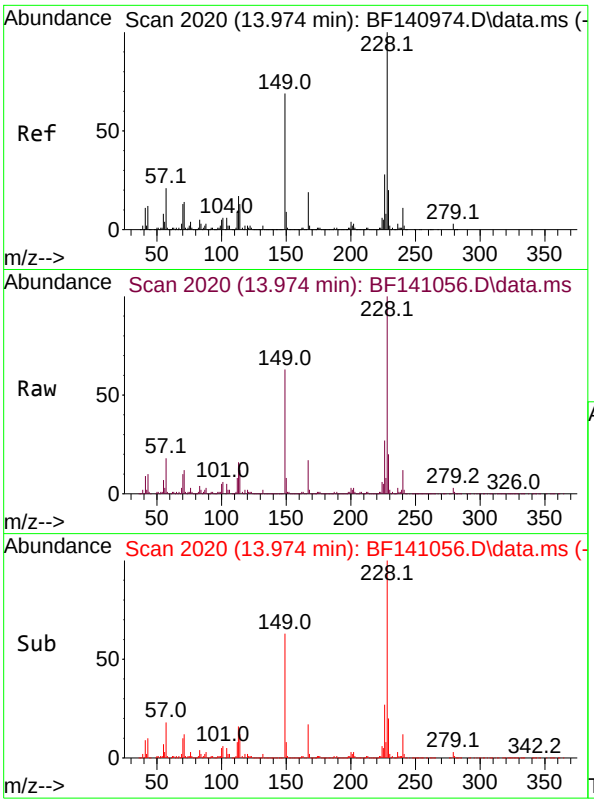


#80
Butylbenzylphthalate
Concen: 38.729 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:149 Resp: 547942

Ion	Ratio	Lower	Upper
149	100		
91	73.2	59.5	89.3
206	21.3	17.1	25.7



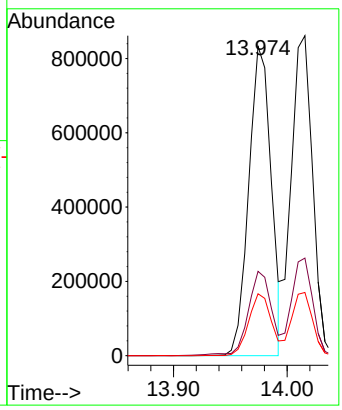


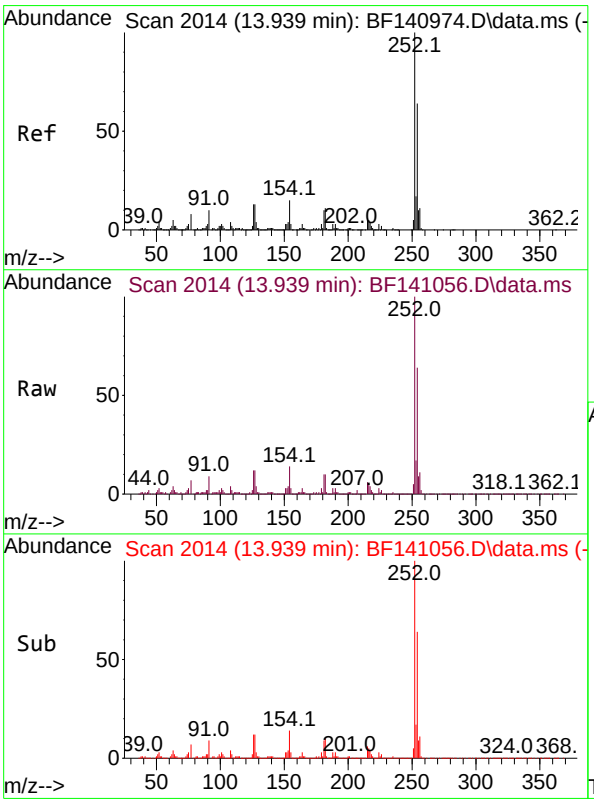
#81
Benzo(a)anthracene
Concen: 36.987 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 1141986

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	20.0	16.2	24.2

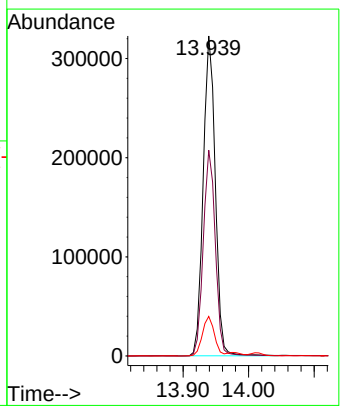


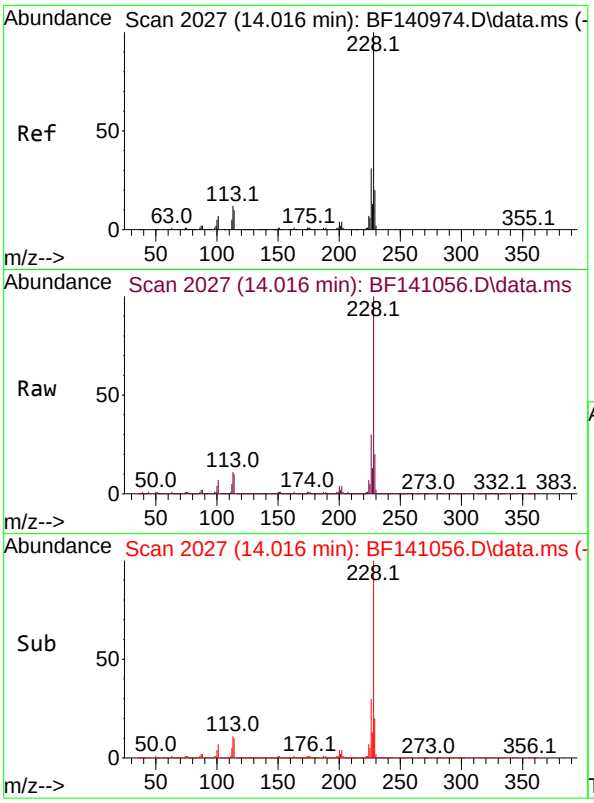


#82
3,3'-Dichlorobenzidine
Concen: 44.728 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:252 Resp: 414921

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.5	77.3
126	12.4	10.3	15.5



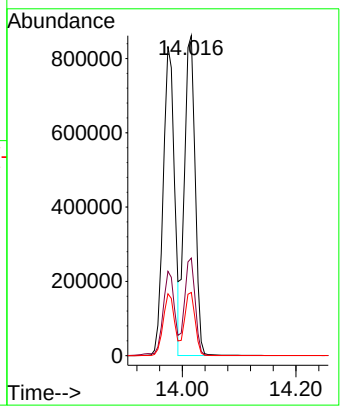


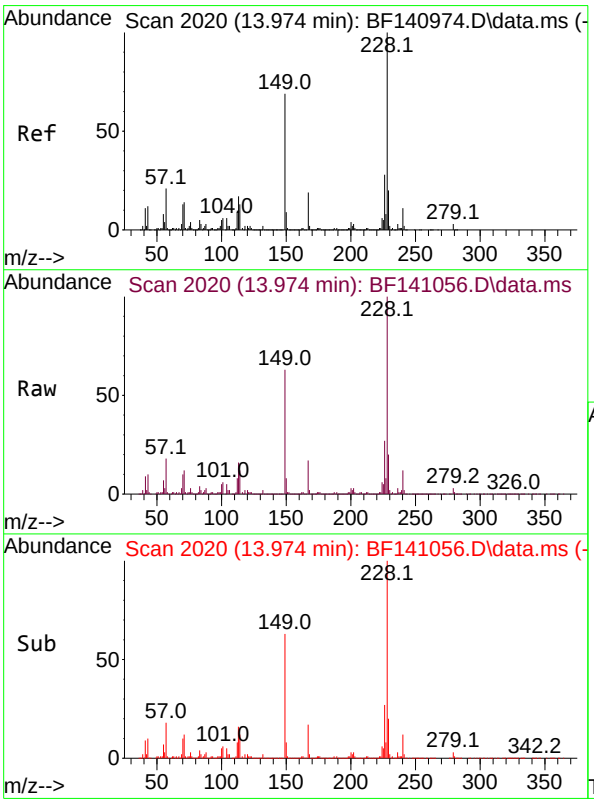
#83
Chrysene
Concen: 40.489 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 1126963

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.5	36.7
229	19.7	16.2	24.4

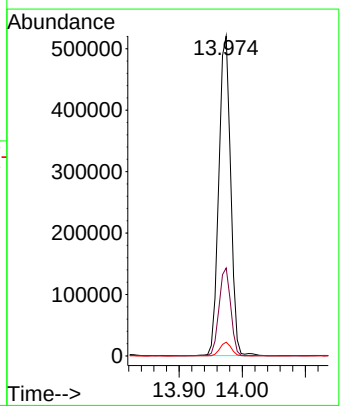


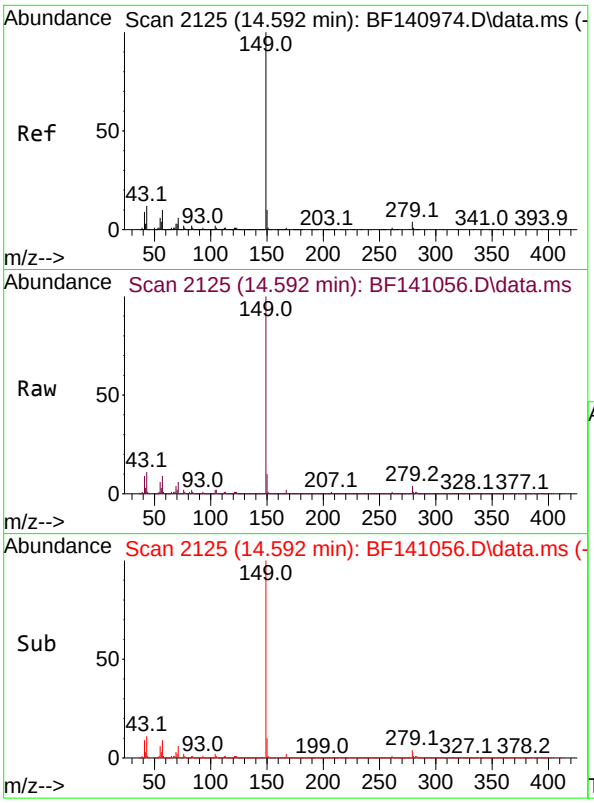


#84
Bis(2-ethylhexyl)phthalate
Concen: 36.806 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:149 Resp: 675459

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.6	32.4
279	4.3	3.2	4.8



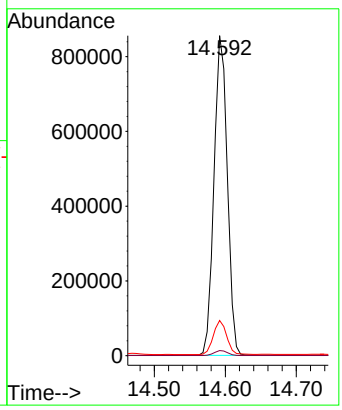


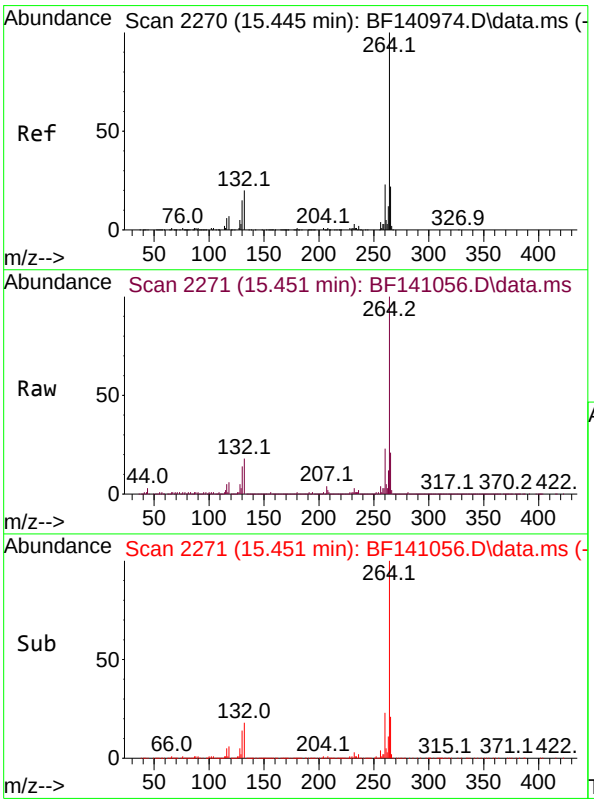
#85
Di-n-octyl phthalate
Concen: 41.777 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 1109654

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.8	9.3	13.9

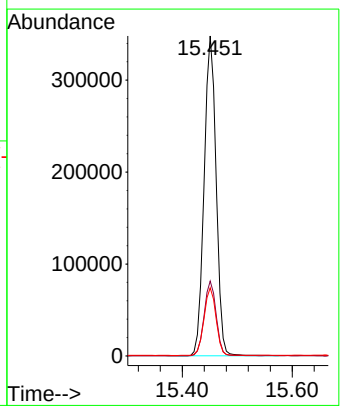


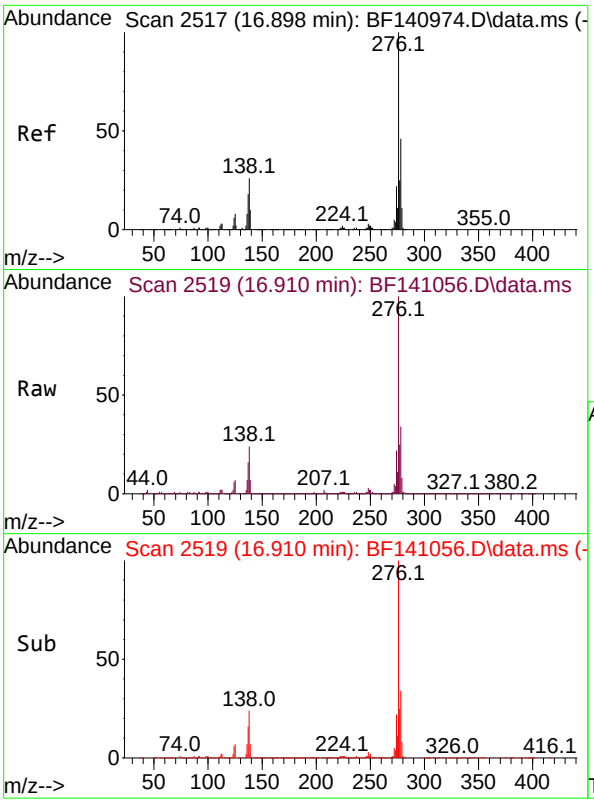


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:264 Resp: 526376

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.3	17.4	26.2



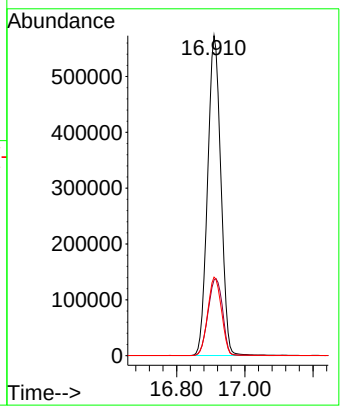


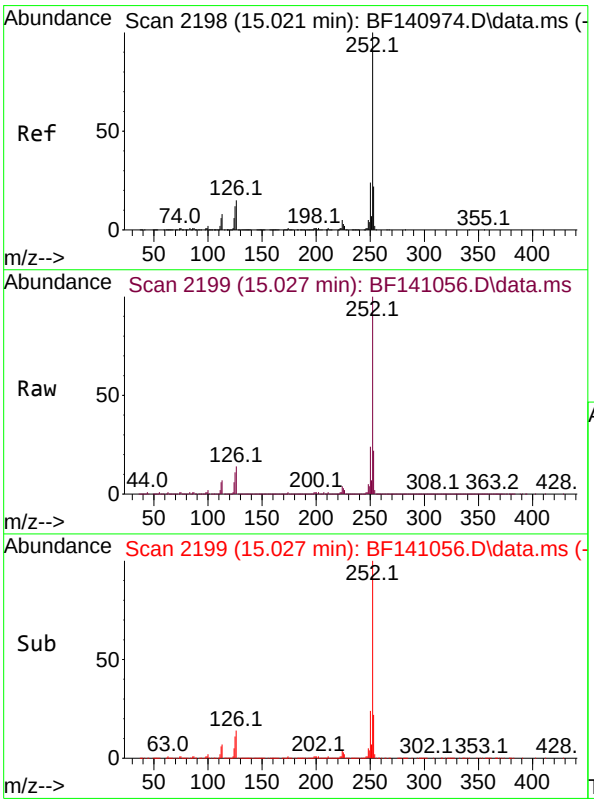
#87
Indeno(1,2,3-cd)pyrene
Concen: 46.672 ng
RT: 16.910 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 1547781

Ion	Ratio	Lower	Upper
276	100		
138	26.3	23.1	34.7
277	25.4	20.4	30.6

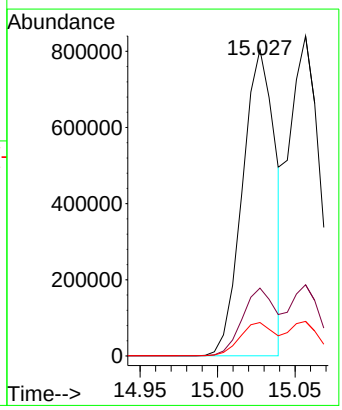


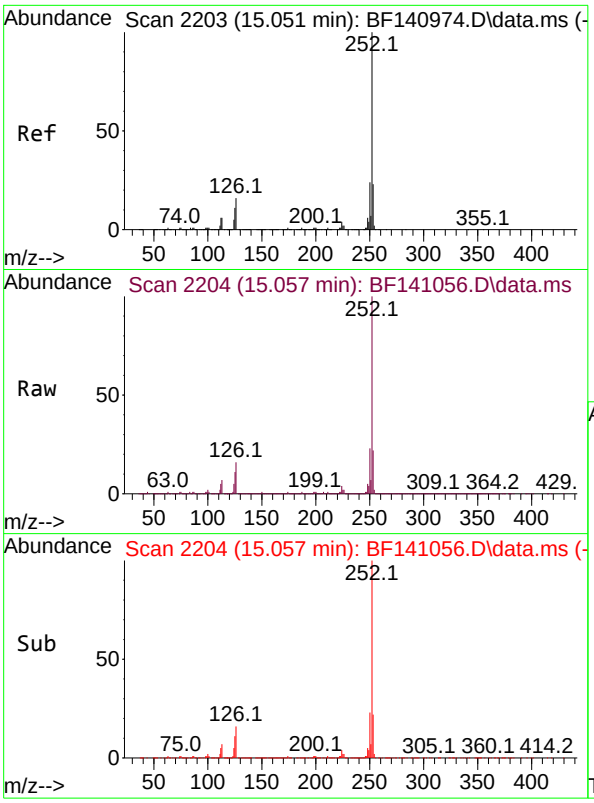


#88
Benzo(b)fluoranthene
Concen: 32.178 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:252 Resp: 1181314

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.9	9.3	13.9



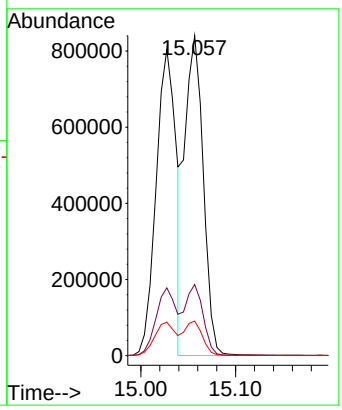


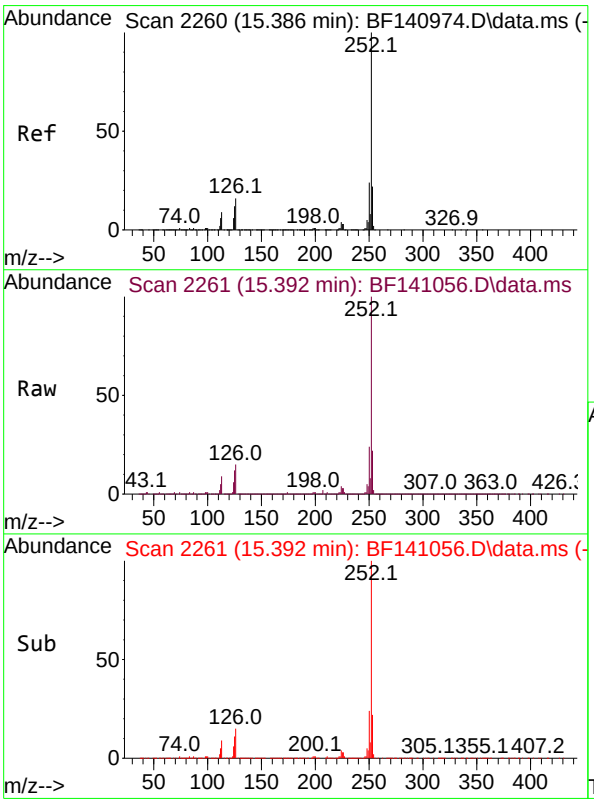
#89
Benzo(k)fluoranthene
Concen: 39.512 ng
RT: 15.057 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 1136896

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	10.8	9.4	14.0

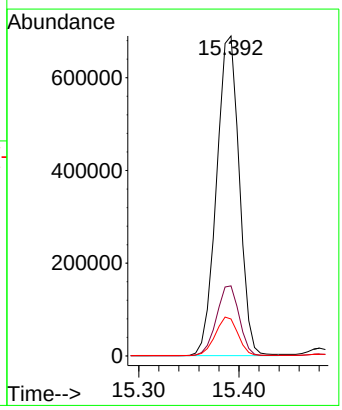


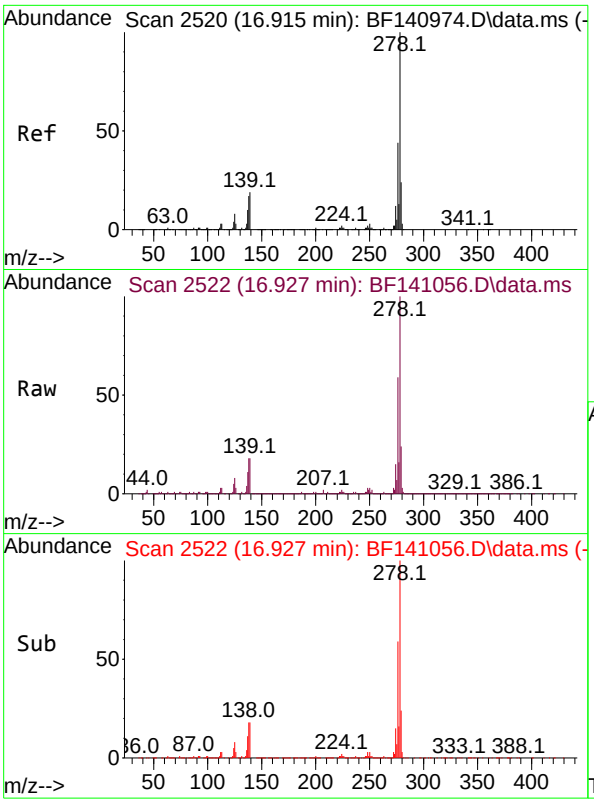


#90
Benzo(a)pyrene
Concen: 38.024 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:252 Resp: 1083487

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	11.5	9.8	14.8



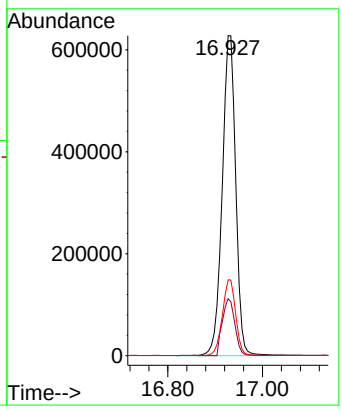


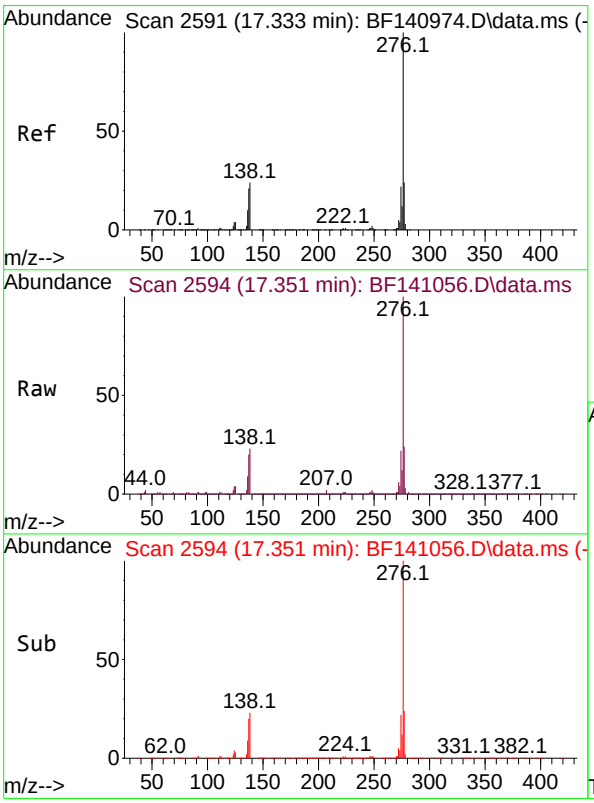
#91
Dibenzo(a,h)anthracene
Concen: 46.181 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 1241441

Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.9	22.3
279	23.7	19.0	28.6

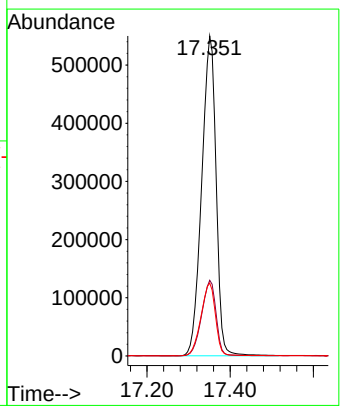




#92
Benzo(g,h,i)perylene
Concen: 47.475 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.018 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:276 Resp: 1323696

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	22.8	19.4	29.2



Sample Results: **BF141056.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141056.D
Acq On : 31 Dec 2024 14:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 31 14:40:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
2		1,4-Dioxane	0.601	0.565	6.0	89	0.00
3		Pyridine	1.468	1.436	2.2	94	0.00
4		n-Nitrosodimethylamine	0.744	0.698	6.2	88	0.00
5	S	2-Fluorophenol	1.327	1.272	4.1	93	0.00
6		Aniline	1.524	1.497	1.8	88	-0.02
7	S	Phenol-d6	1.709	1.596	6.6	90	0.00
8		2-Chlorophenol	1.399	1.361	2.7	93	0.00
9		Benzaldehyde	0.941	0.946	-0.5	104	0.00
10	C	Phenol	1.767	1.727	2.3	94	0.00
11		bis(2-Chloroethyl)ether	1.427	1.308	8.3	91	0.00
12		1,3-Dichlorobenzene	1.544	1.496	3.1	93	0.00
13	C	1,4-Dichlorobenzene	1.556	1.518	2.4	95	0.00
14		1,2-Dichlorobenzene	1.451	1.399	3.6	93	0.00
15		Benzyl Alcohol	1.228	1.168	4.9	90	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	1.953	9.5	87	0.00
17		2-Methylphenol	1.162	1.095	5.8	90	0.00
18		Hexachloroethane	0.553	0.552	0.2	96	0.00
19	P	n-Nitroso-di-n-propylamine	1.047	0.933	10.9	87	0.00
20		3+4-Methylphenols	1.471	1.371	6.8	89	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	92	0.00
22		Acetophenone	0.491	0.453	7.7	89	0.00
23	S	Nitrobenzene-d5	0.313	0.371	-18.5	104	0.00
24		Nitrobenzene	0.349	0.387	-10.9	97	0.00
25		Isophorone	0.680	0.634	6.8	89	0.00
26	C	2-Nitrophenol	0.118	0.181	-53.4#	131	0.00
27		2,4-Dimethylphenol	0.249	0.238	4.4	91	0.00
28		bis(2-Chloroethoxy)methane	0.431	0.409	5.1	91	0.00
29	C	2,4-Dichlorophenol	0.282	0.284	-0.7	94	0.00
30		1,2,4-Trichlorobenzene	0.319	0.316	0.9	93	0.00
31		Naphthalene	1.054	1.009	4.3	91	0.00
32		Benzoic acid	0.178	0.249	-39.9#	129	0.00
33		4-Chloroaniline	0.381	0.354	7.1	89	0.00
34	C	Hexachlorobutadiene	0.188	0.189	-0.5	96	0.00
35		Caprolactam	0.096	0.090	6.3	88	0.00
36	C	4-Chloro-3-methylphenol	0.313	0.301	3.8	90	0.00
37		2-Methylnaphthalene	0.674	0.644	4.5	92	0.00
38		1-Methylnaphthalene	0.663	0.628	5.3	91	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	90	0.00
40		1,2,4,5-Tetrachlorobenzene	0.550	0.566	-2.9	95	0.00
41	P	Hexachlorocyclopentadiene	0.182	0.216	-18.7	104	0.00
42	S	2,4,6-Tribromophenol	0.194	0.212	-9.3	97	0.00
43	C	2,4,6-Trichlorophenol	0.366	0.396	-8.2	98	0.00
44		2,4,5-Trichlorophenol	0.375	0.393	-4.8	93	0.00
45	S	2-Fluorobiphenyl	1.255	1.207	3.8	92	0.00
46		1,1'-Biphenyl	1.531	1.509	1.4	92	0.00
47		2-Chloronaphthalene	1.188	1.182	0.5	93	0.00

Sample Results: **BF141056.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141056.D
Acq On : 31 Dec 2024 14:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 31 14:40:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.259	0.359	-38.6#	112	0.00
49		Acenaphthylene	1.710	1.672	2.2	91	0.00
50		Dimethylphthalate	1.316	1.263	4.0	88	0.00
51		2,6-Dinitrotoluene	0.231	0.301	-30.3#	106	0.00
52	C	Acenaphthene	1.156	1.172	-1.4	94	0.00
53		3-Nitroaniline	0.255	0.313	-22.7	100	0.00
54	P	2,4-Dinitrophenol	0.075	0.148	-97.3#	185#	0.00
55		Dibenzofuran	1.624	1.568	3.4	90	0.00
56	P	4-Nitrophenol	0.225	0.248	-10.2	97	0.00
57		2,4-Dinitrotoluene	0.273	0.393	-44.0#	114	0.00
58		Fluorene	1.260	1.201	4.7	91	0.00
59		2,3,4,6-Tetrachlorophenol	0.310	0.324	-4.5	93	0.00
60		Diethylphthalate	1.299	1.223	5.9	87	0.00
61		4-Chlorophenyl-phenylether	0.606	0.589	2.8	92	0.00
62		4-Nitroaniline	0.255	0.296	-16.1	96	0.00
63		Azobenzene	1.363	1.244	8.7	85	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	83	0.00
65		4,6-Dinitro-2-methylphenol	0.067	0.122	-82.1#	152#	0.00
66	c	n-Nitrosodiphenylamine	0.630	0.637	-1.1	87	0.00
67		4-Bromophenyl-phenylether	0.216	0.231	-6.9	90	0.00
68		Hexachlorobenzene	0.238	0.249	-4.6	89	0.00
69		Atrazine	0.176	0.136	22.7	72	0.00
70	C	Pentachlorophenol	0.148	0.168	-13.5	90	0.00
71		Phenanthrene	1.053	1.028	2.4	85	0.00
72		Anthracene	1.031	1.009	2.1	85	0.00
73		Carbazole	0.992	0.906	8.7	80	0.00
74		Di-n-butylphthalate	1.128	1.042	7.6	80	0.00
75	C	Fluoranthene	1.142	0.988	13.5	75	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	68	0.00
77		Benzidine	0.423	0.517	-22.2	85	0.00
78		Pyrene	1.749	1.800	-2.9	72	0.00
79	S	Terphenyl-d14	1.204	1.227	-1.9	73	0.00
80		Butylbenzylphthalate	0.639	0.618	3.3	64	0.00
81		Benzo(a)anthracene	1.394	1.289	7.5	64	0.00
82		3,3'-Dichlorobenzidine	0.419	0.468	-11.7	79	0.00
83		Chrysene	1.257	1.272	-1.2	72	0.00
84		Bis(2-ethylhexyl)phthalate	0.828	0.762	8.0	63	0.00
85	c	Di-n-octyl phthalate	1.199	1.252	-4.4	71	0.00
86	I	Perylene-d12	1.000	1.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	1.260	1.470	-16.7	111	0.01
88		Benzo(b)fluoranthene	1.395	1.122	19.6	78	0.00
89		Benzo(k)fluoranthene	1.093	1.080	1.2	100	0.00
90	C	Benzo(a)pyrene	1.083	1.029	5.0	95	0.00
91		Dibenzo(a,h)anthracene	1.021	1.179	-15.5	109	0.01
92		Benzo(g,h,i)perylene	1.059	1.257	-18.7	111	0.02

Sample Results: **BF141056.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141056.D
Acq On : 31 Dec 2024 14:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 31 14:40:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BF141056.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141056.D
Acq On : 31 Dec 2024 14:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 31 14:40:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	94	0.00
2		1,4-Dioxane	40.000	37.601	6.0	89	0.00
3		Pyridine	40.000	39.135	2.2	94	0.00
4		n-Nitrosodimethylamine	40.000	37.516	6.2	88	0.00
5	S	2-Fluorophenol	80.000	76.722	4.1	93	0.00
6		Aniline	40.000	39.293	1.8	88	-0.02
7	S	Phenol-d6	80.000	74.706	6.6	90	0.00
8		2-Chlorophenol	40.000	38.916	2.7	93	0.00
9		Benzaldehyde	40.000	46.666	-16.7	104	0.00
10	C	Phenol	40.000	39.080	2.3	94	0.00
11		bis(2-Chloroethyl)ether	40.000	36.649	8.4	91	0.00
12		1,3-Dichlorobenzene	40.000	38.753	3.1	93	0.00
13	C	1,4-Dichlorobenzene	40.000	39.011	2.5	95	0.00
14		1,2-Dichlorobenzene	40.000	38.575	3.6	93	0.00
15		Benzyl Alcohol	40.000	38.046	4.9	90	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.192	9.5	87	0.00
17		2-Methylphenol	40.000	37.699	5.8	90	0.00
18		Hexachloroethane	40.000	39.952	0.1	96	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	35.625	10.9	87	0.00
20		3+4-Methylphenols	40.000	37.276	6.8	89	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	92	0.00
22		Acetophenone	40.000	36.896	7.8	89	0.00
23	S	Nitrobenzene-d5	80.000	94.938	-18.7	104	0.00
24		Nitrobenzene	40.000	44.276	-10.7	97	0.00
25		Isophorone	40.000	37.283	6.8	89	0.00
26	C	2-Nitrophenol	40.000	50.173	-25.4#	131	0.00
27		2,4-Dimethylphenol	40.000	38.304	4.2	91	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.959	5.1	91	0.00
29	C	2,4-Dichlorophenol	40.000	40.267	-0.7	94	0.00
30		1,2,4-Trichlorobenzene	40.000	39.661	0.8	93	0.00
31		Naphthalene	40.000	38.303	4.2	91	0.00
32		Benzoic acid	40.000	48.603	-21.5	129	0.00
33		4-Chloroaniline	40.000	37.176	7.1	89	0.00
34	C	Hexachlorobutadiene	40.000	40.216	-0.5	96	0.00
35		Caprolactam	40.000	37.534	6.2	88	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.425	3.9	90	0.00
37		2-Methylnaphthalene	40.000	38.195	4.5	92	0.00
38		1-Methylnaphthalene	40.000	37.935	5.2	91	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	90	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.182	-3.0	95	0.00
41	P	Hexachlorocyclopentadiene	40.000	47.466	-18.7	104	0.00
42	S	2,4,6-Tribromophenol	80.000	87.297	-9.1	97	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.220	-8.0	98	0.00
44		2,4,5-Trichlorophenol	40.000	41.935	-4.8	93	0.00
45	S	2-Fluorobiphenyl	80.000	76.894	3.9	92	0.00
46		1,1'-Biphenyl	40.000	39.415	1.5	92	0.00
47		2-Chloronaphthalene	40.000	39.805	0.5	93	0.00

Sample Results: **BF141056.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141056.D
Acq On : 31 Dec 2024 14:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 31 14:40:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	46.405	-16.0	112	0.00
49		Acenaphthylene	40.000	39.119	2.2	91	0.00
50		Dimethylphthalate	40.000	38.410	4.0	88	0.00
51		2,6-Dinitrotoluene	40.000	45.153	-12.9	106	0.00
52	C	Acenaphthene	40.000	40.559	-1.4	94	0.00
53		3-Nitroaniline	40.000	43.308	-8.3	100	0.00
54	P	2,4-Dinitrophenol	40.000	62.472	-56.2#	185	0.00
55		Dibenzofuran	40.000	38.614	3.5	90	0.00
56	P	4-Nitrophenol	40.000	44.114	-10.3	97	0.00
57		2,4-Dinitrotoluene	40.000	47.848	-19.6	114	0.00
58		Fluorene	40.000	38.136	4.7	91	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.813	-4.5	93	0.00
60		Diethylphthalate	40.000	37.678	5.8	87	0.00
61		4-Chlorophenyl-phenylether	40.000	38.896	2.8	92	0.00
62		4-Nitroaniline	40.000	41.190	-3.0	96	0.00
63		Azobenzene	40.000	36.490	8.8	85	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	83	0.00
65		4,6-Dinitro-2-methylphenol	40.000	58.512	-46.3#	152	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.455	-1.1	87	0.00
67		4-Bromophenyl-phenylether	40.000	42.756	-6.9	90	0.00
68		Hexachlorobenzene	40.000	41.736	-4.3	89	0.00
69		Atrazine	40.000	30.966	22.6	72	0.00
70	C	Pentachlorophenol	40.000	45.157	-12.9	90	0.00
71		Phenanthrene	40.000	39.047	2.4	85	0.00
72		Anthracene	40.000	39.126	2.2	85	0.00
73		Carbazole	40.000	36.565	8.6	80	0.00
74		Di-n-butylphthalate	40.000	36.952	7.6	80	0.00
75	C	Fluoranthene	40.000	34.610	13.5	75	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	68	0.00
77		Benzidine	40.000	48.939	-22.3	85	0.00
78		Pyrene	40.000	41.154	-2.9	72	0.00
79	S	Terphenyl-d14	80.000	81.499	-1.9	73	0.00
80		Butylbenzylphthalate	40.000	38.729	3.2	64	0.00
81		Benzo(a)anthracene	40.000	36.987	7.5	64	0.00
82		3,3'-Dichlorobenzidine	40.000	44.728	-11.8	79	0.00
83		Chrysene	40.000	40.489	-1.2	72	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	36.806	8.0	63	0.00
85	c	Di-n-octyl phthalate	40.000	41.777	-4.4	71	0.00
86	I	Perylene-d12	20.000	20.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	46.672	-16.7	111	0.01
88		Benzo(b)fluoranthene	40.000	32.178	19.6	78	0.00
89		Benzo(k)fluoranthene	40.000	39.512	1.2	100	0.00
90	C	Benzo(a)pyrene	40.000	38.024	4.9	95	0.00
91		Dibenzo(a,h)anthracene	40.000	46.181	-15.5	109	0.01
92		Benzo(g,h,i)perylene	40.000	47.475	-18.7	111	0.02

Sample Results: **BF141056.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141056.D
Acq On : 31 Dec 2024 14:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 31 14:40:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

QC SAMPLE DATA

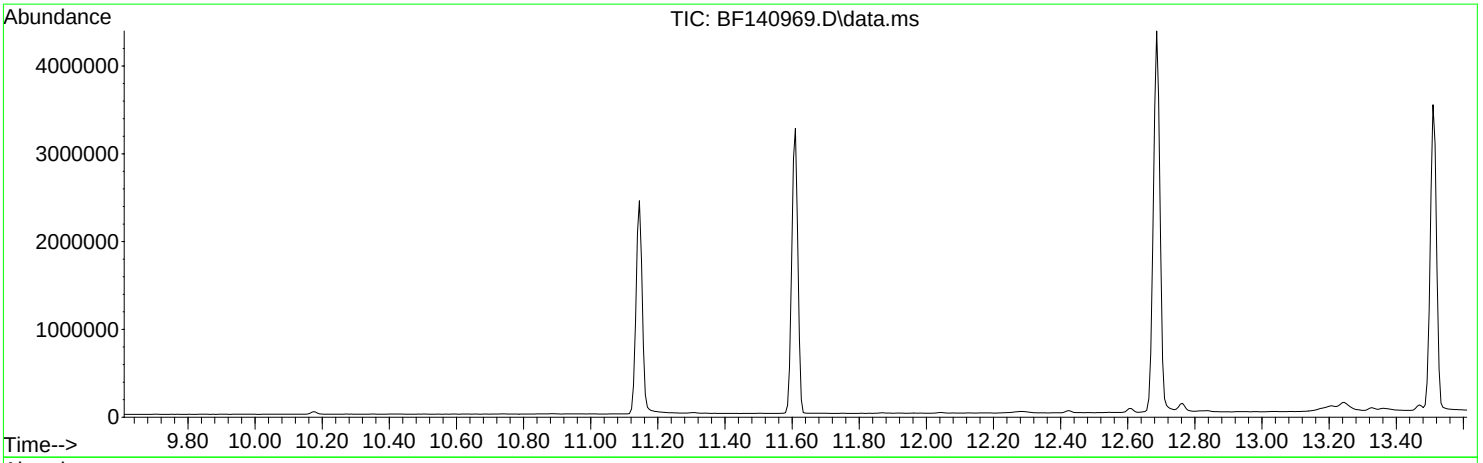
Sample Results: **BF140969.D**

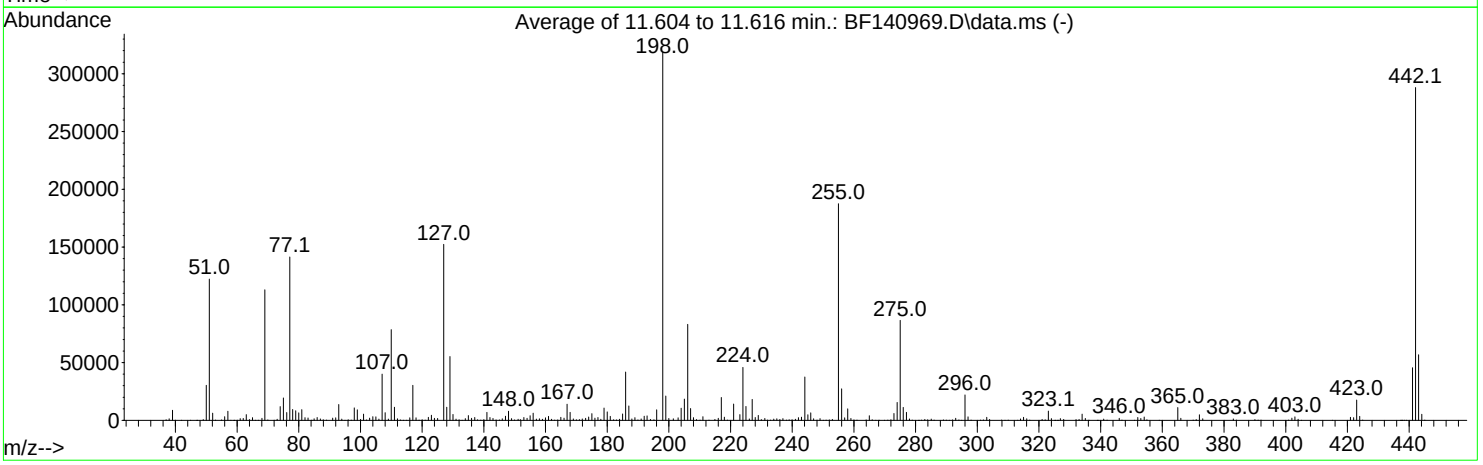
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140969.D
Acq On : 26 Dec 2024 15:57
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Dec 27 00:31:16 2024





AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1610

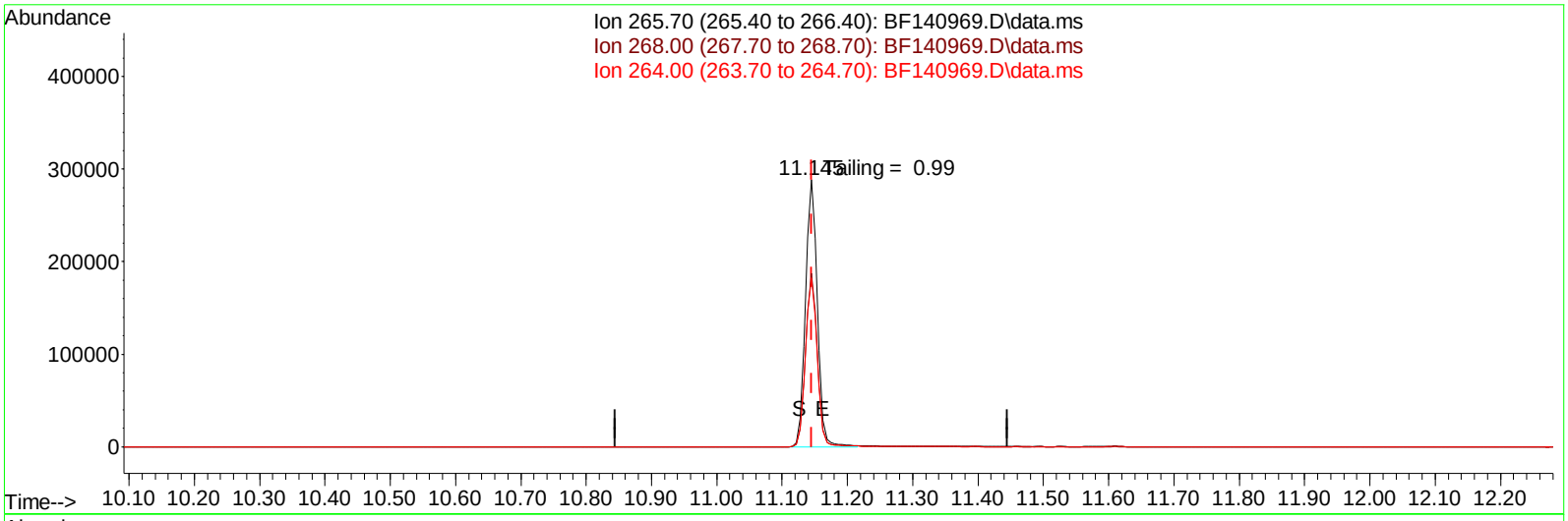
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.4	122253	PASS
68	69	0.00	2	1.7	1874	PASS
69	198	0.00	100	35.5	113056	PASS
70	69	0.00	2	0.4	479	PASS
127	198	10	80	47.8	152328	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	318400	PASS
199	198	5	9	6.6	21108	PASS
275	198	10	60	27.2	86501	PASS
365	198	1	100	3.5	11162	PASS
441	198	0.01	100	14.3	45621	PASS
442	442	50	100	100.0	288064	PASS
443	442	15	24	19.7	56736	PASS

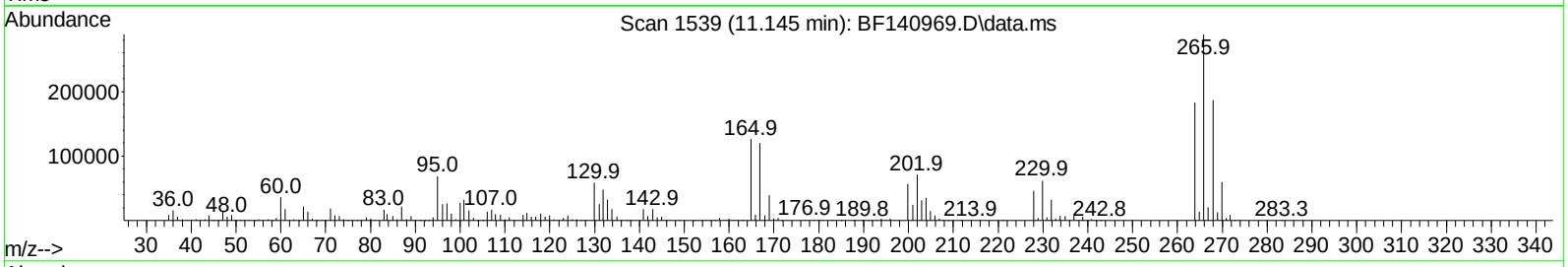
Sample Results: **BF140969.D**

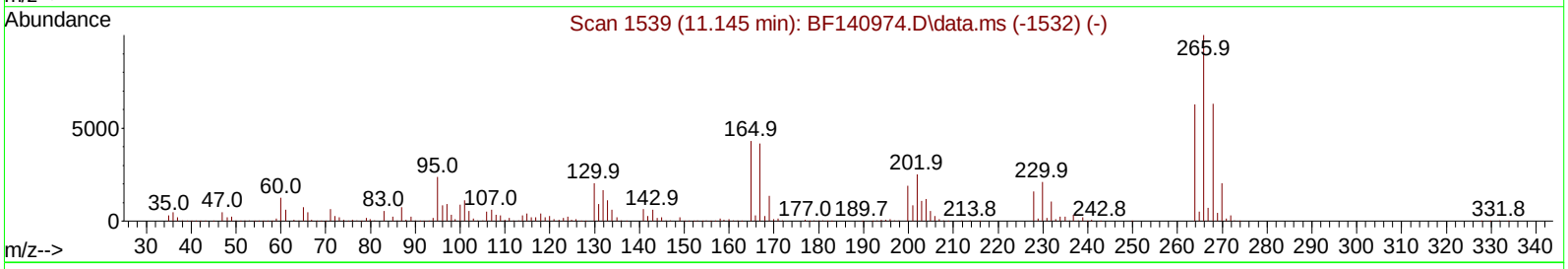
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140969.D
Acq On : 26 Dec 2024 15:57
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 27 00:41:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration







TIC: BF140969.D\data.ms

(70) Pentachlorophenol (C)

11.145min (+ 0.000) 171712.33 ng

response 370836

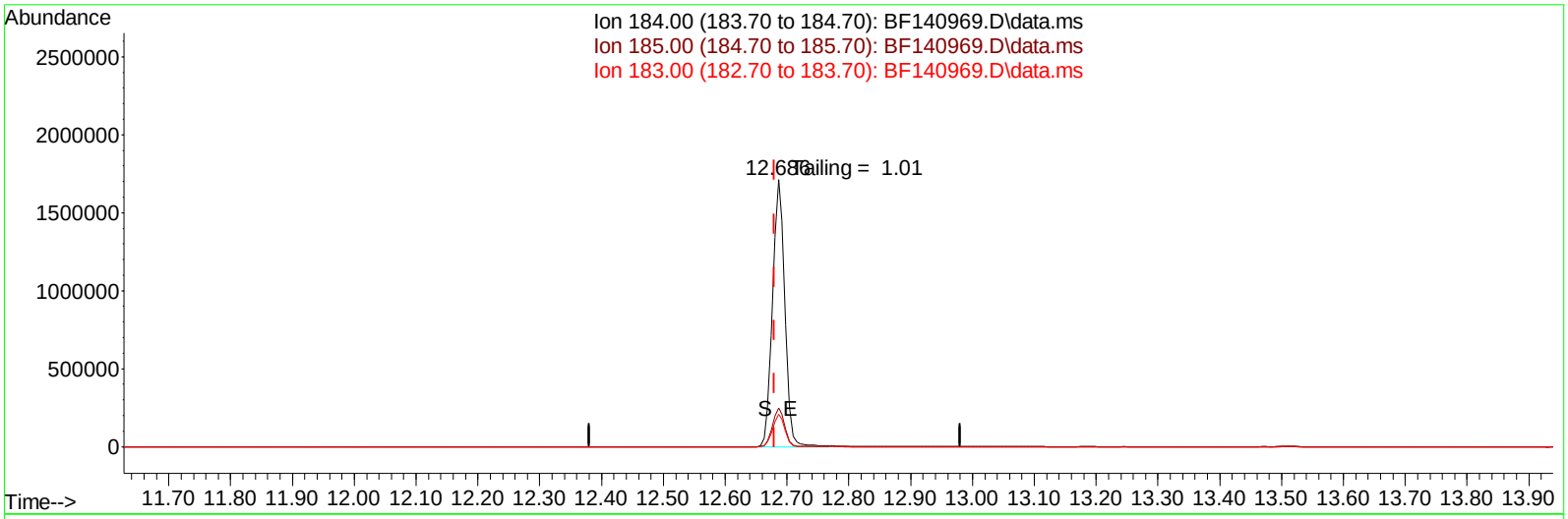
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	64.90
264.00	62.80	63.32
0.00	0.00	0.00

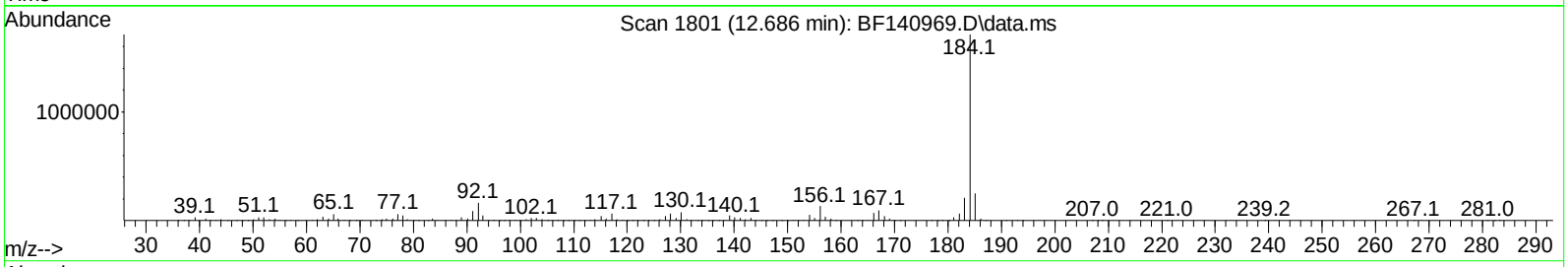
Sample Results: **BF140969.D**

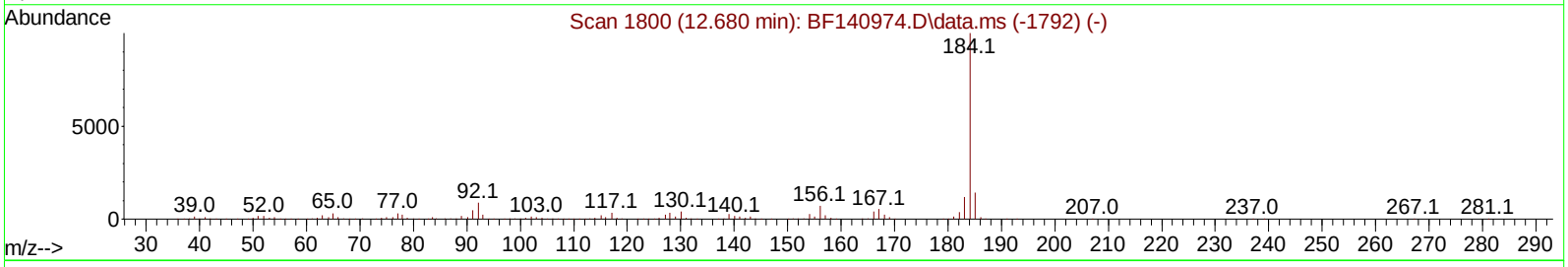
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140969.D
Acq On : 26 Dec 2024 15:57
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 27 00:41:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration







TIC: BF140969.D\data.ms

(77) Benzidine

12.686min (+ 0.006) 253030.63 ng

response 2406398

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.44
183.00	11.70	12.18
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/26/2024	BNA_F	BF140969.D
Compound Name	**Response**	**Retention Time**
DDT	737647	13.51
DDD	7676	13.239
DDE	0	12.898
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
7676	745323	1.03

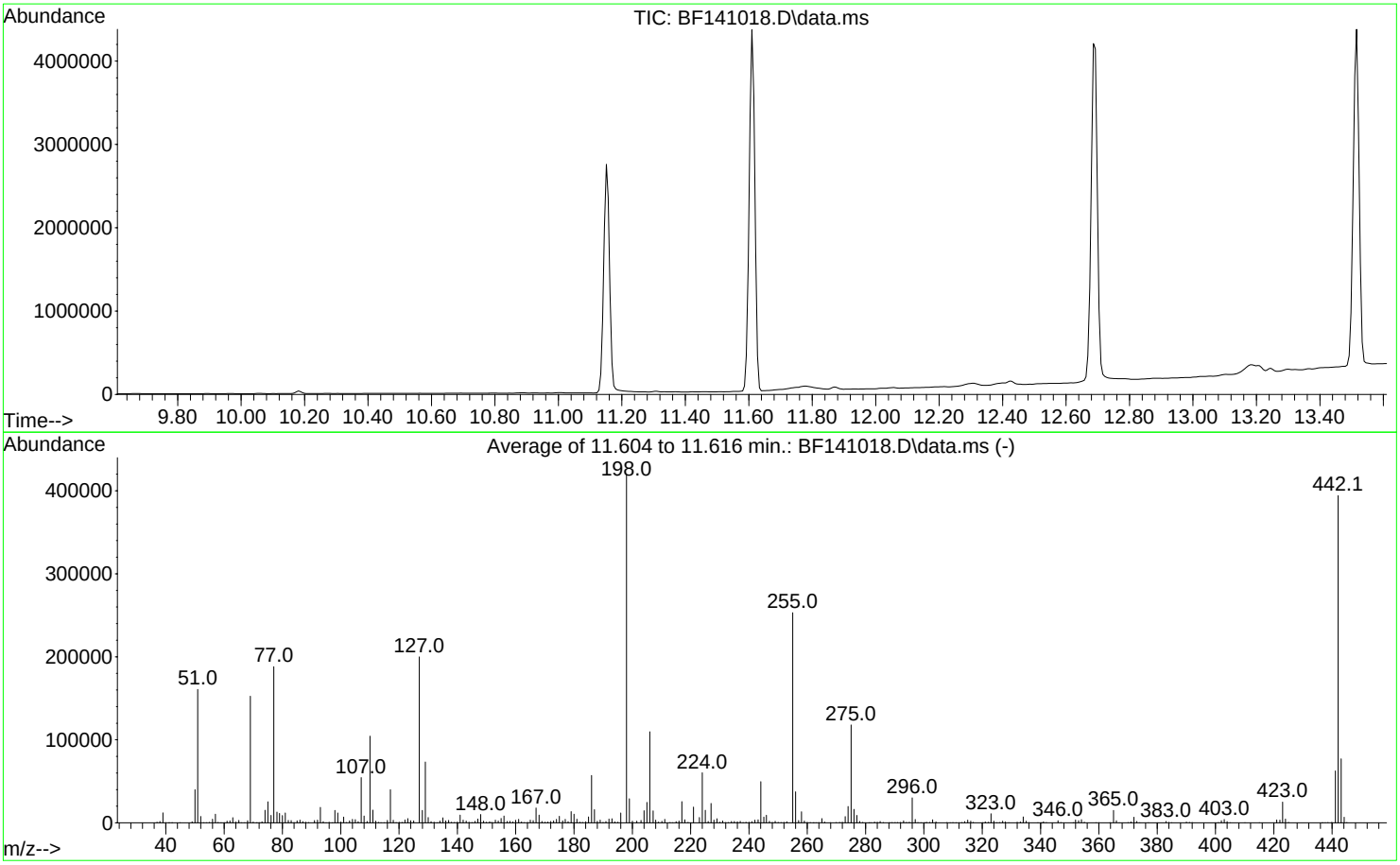
Sample Results: **BF141018.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141018.D
Acq On : 30 Dec 2024 08:58
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-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Dec 27 00:31:16 2024



AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1610

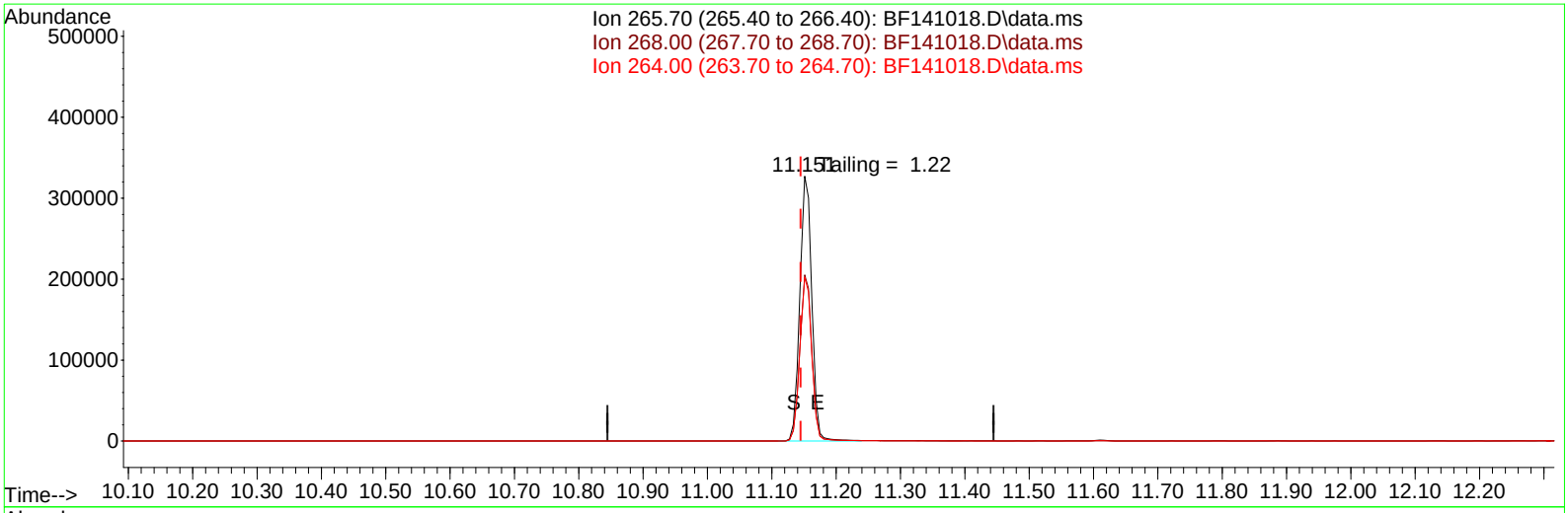
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.4	160811	PASS
68	69	0.00	2	1.7	2616	PASS
69	198	0.00	100	36.4	152490	PASS
70	69	0.00	2	0.6	903	PASS
127	198	10	80	47.7	199893	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	418987	PASS
199	198	5	9	6.9	28909	PASS
275	198	10	60	28.2	118011	PASS
365	198	1	100	3.6	14923	PASS
441	198	0.01	100	14.9	62432	PASS
442	442	50	100	100.0	394133	PASS
443	442	15	24	19.6	77104	PASS

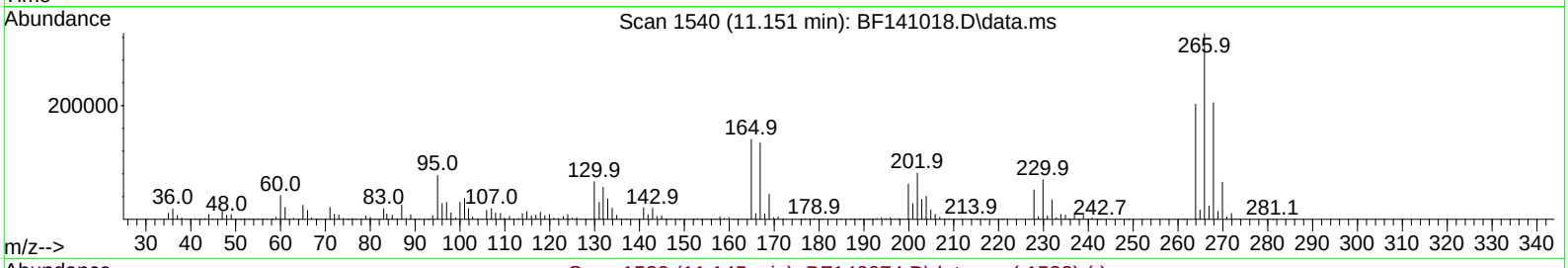
Sample Results: **BF141018.D**

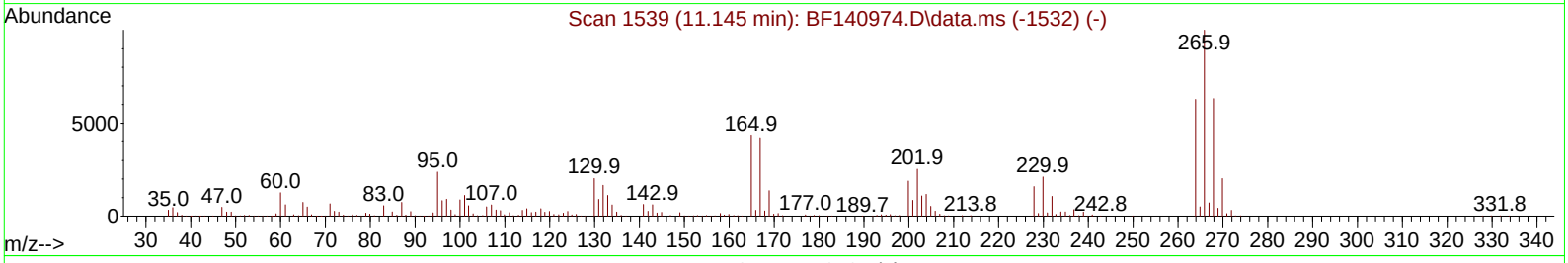
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141018.D
Acq On : 30 Dec 2024 08:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 30 10:08:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration







TIC: BF141018.D\data.ms

(70) Pentachlorophenol (C)

11.151min (+ 0.006) 118641.00 ng

response 426155

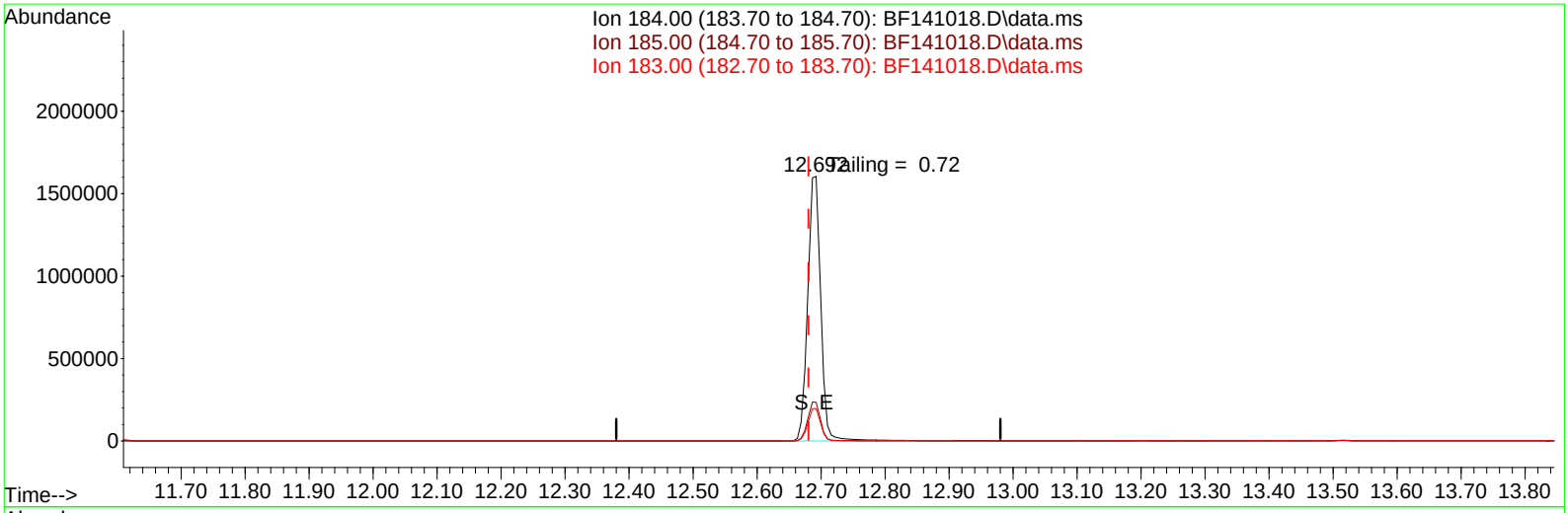
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	62.72
264.00	62.80	61.85
0.00	0.00	0.00

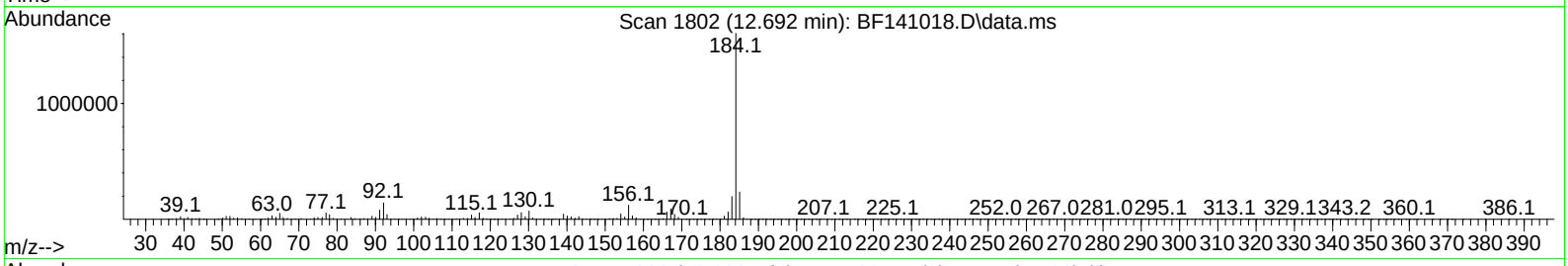
Sample Results: **BF141018.D**

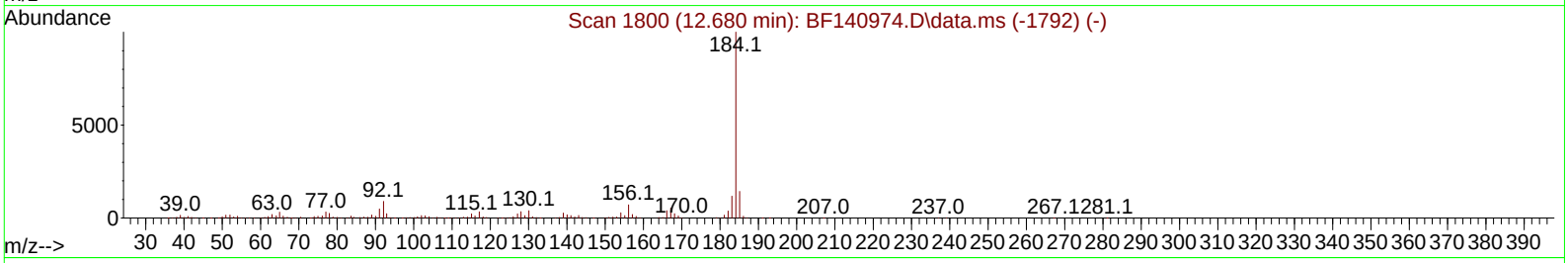
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141018.D
Acq On : 30 Dec 2024 08:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 30 10:08:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration







TIC: BF141018.D\data.ms

(77) Benzidine

12.692min (+ 0.012) 182948.18 ng

response 2285059

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.65
183.00	11.70	12.30
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/30/2024	BNA_F	BF141018.D
Compound Name	**Response**	**Retention Time**
DDT	927446	13.516
DDD	23538	13.21
DDE	2456	12.875
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
25994	953440	2.73

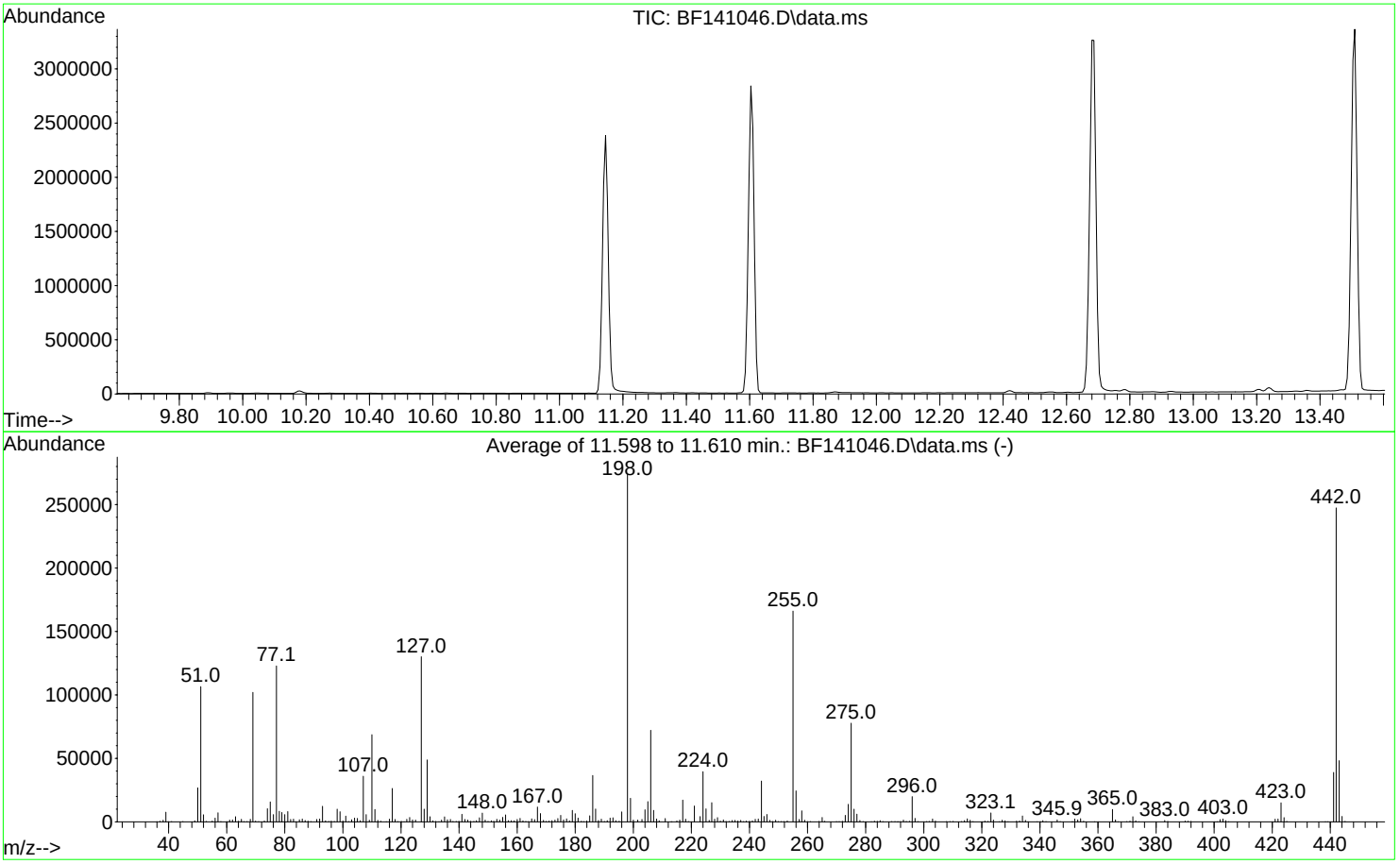
Sample Results: **BF141046.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141046.D
Acq On : 31 Dec 2024 09:24
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-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Dec 27 00:31:16 2024



AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1610

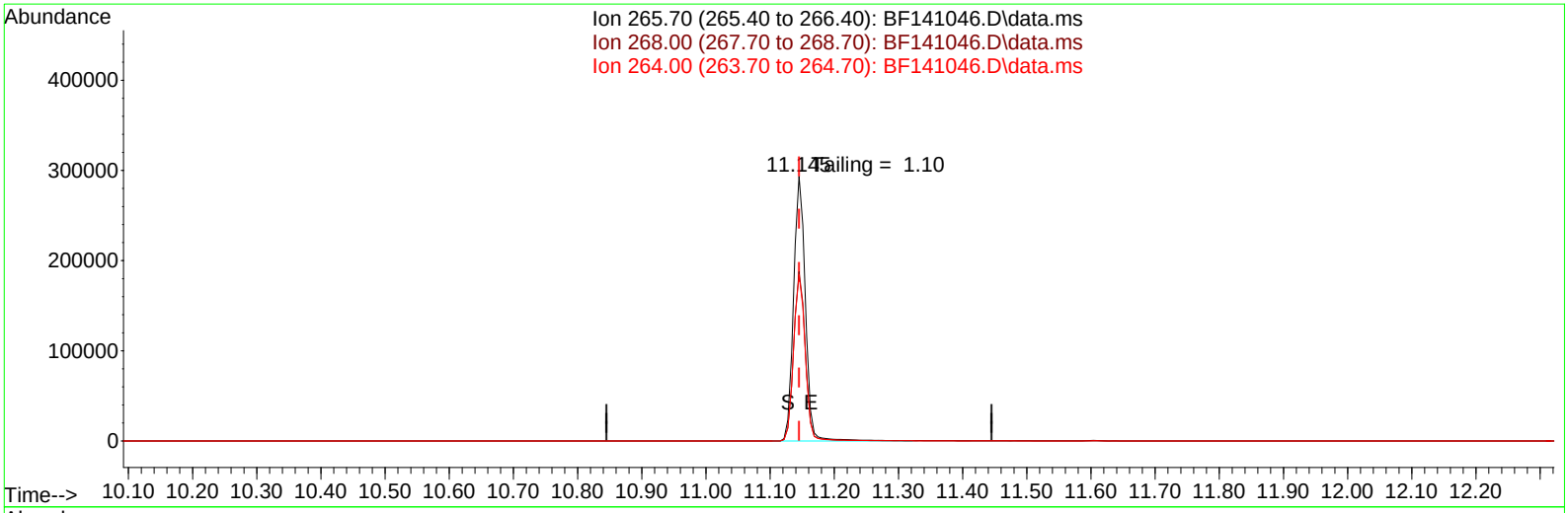
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.9	106613	PASS
68	69	0.00	2	2.0	2008	PASS
69	198	0.00	100	37.3	102035	PASS
70	69	0.00	2	0.6	571	PASS
127	198	10	80	47.5	130099	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	273728	PASS
199	198	5	9	6.8	18630	PASS
275	198	10	60	28.4	77821	PASS
365	198	1	100	3.6	9770	PASS
441	198	0.01	100	14.2	38936	PASS
442	442	50	100	100.0	247424	PASS
443	442	15	24	19.5	48189	PASS

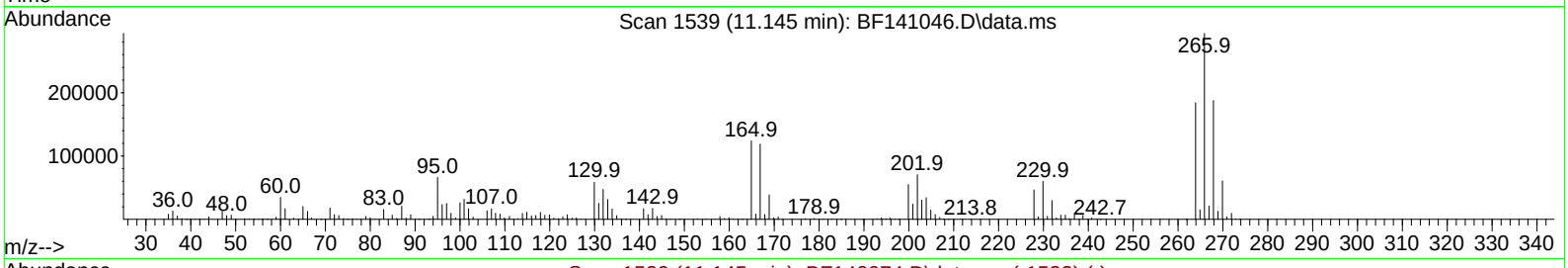
Sample Results: **BF141046.D**

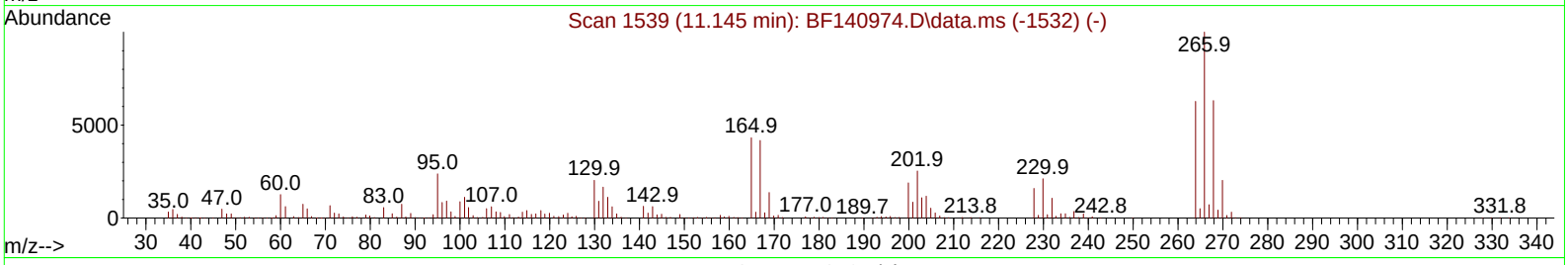
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141046.D
Acq On : 31 Dec 2024 09:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 31 10:36:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration







TIC: BF141046.D\data.ms

(70) Pentachlorophenol (C)

11.145min (+ 0.000) 35586.54 ng

response 377139

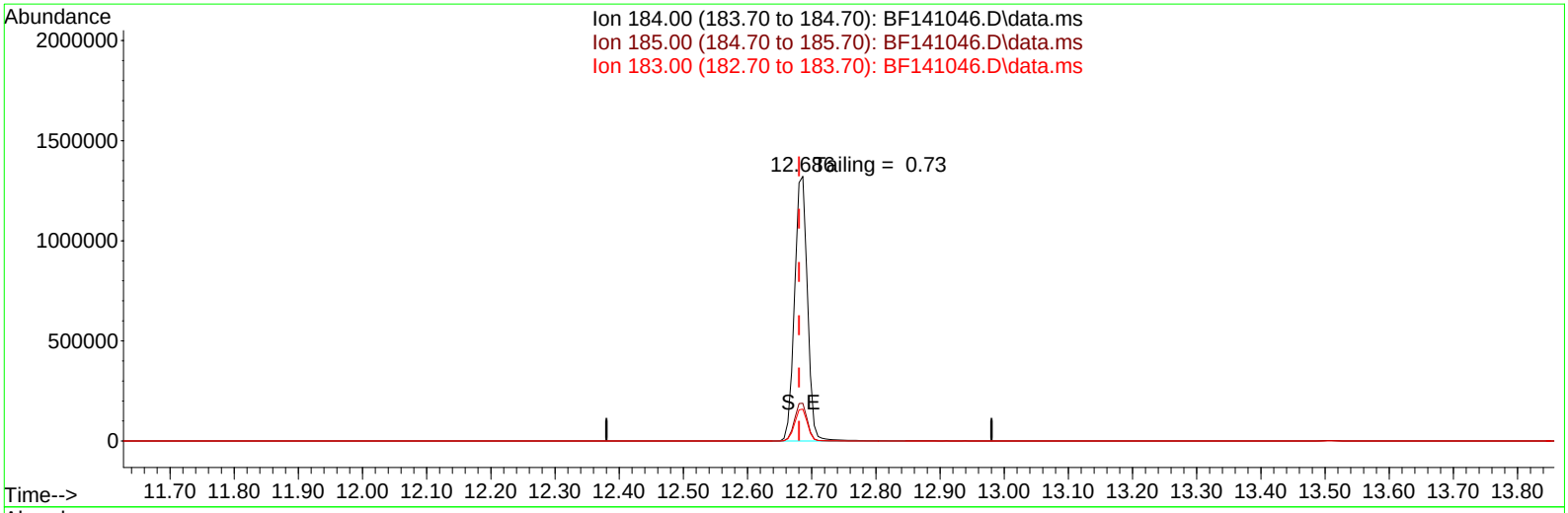
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	63.90
264.00	62.80	62.76
0.00	0.00	0.00

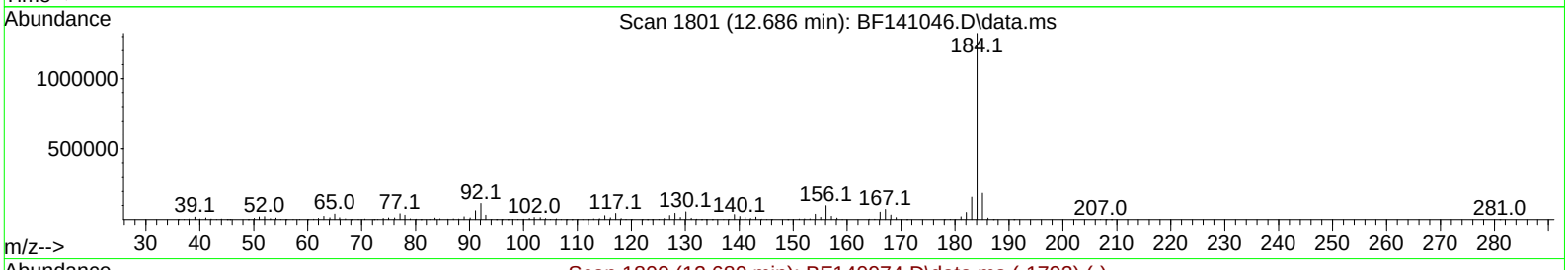
Sample Results: **BF141046.D**

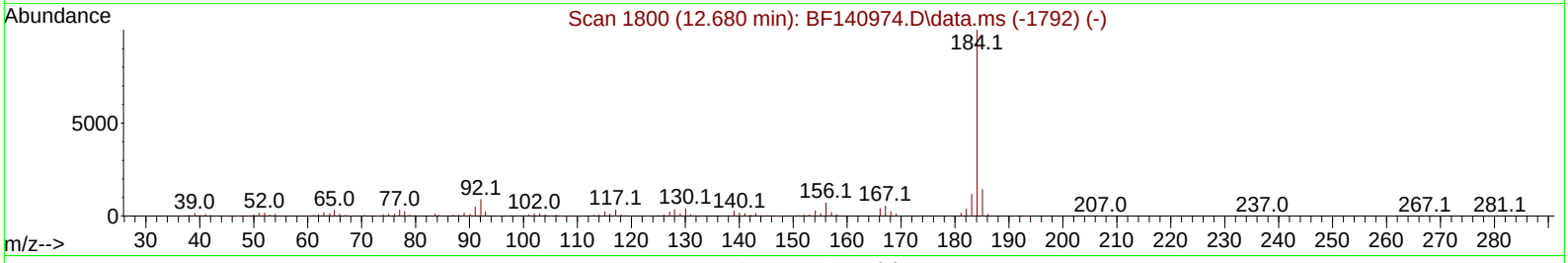
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141046.D
Acq On : 31 Dec 2024 09:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 31 10:36:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration







TIC: BF141046.D\data.ms

(77) Benzidine

12.686min (+ 0.006) 81977.79 ng

response 1855528

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.27
183.00	11.70	12.07
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/31/2024	BNA_F	BF141046.D
Compound Name	**Response**	**Retention Time**
DDT	862159	13.51
DDD	13357	13.239
DDE	935	12.874
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
14292	876451	1.63

Raw Data: **BF141020.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB165894BL	SDG No.:	P5380
Lab Sample ID:	PB165894BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141020.D	1	12/27/24 10:25	12/30/24 09:50	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
110-86-1	Pyridine	4.00	U	1.60	4.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	4.00	U	0.84	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.20	8.00	10.0	ug/L
67-72-1	Hexachloroethane	4.00	U	1.00	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	1.30	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	1.30	4.00	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.89	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	1.00	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.50	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	1.10	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.90	8.00	10.0	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	127		19 - 119		85%	SPK: 150
13127-88-3	Phenol-d6	124		10 - 130		82%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		44 - 120		102%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.7		44 - 119		89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		43 - 140		97%	SPK: 150
1718-51-0	Terphenyl-d14	85.7		50 - 134		86%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	295000	6.828				
1146-65-2	Naphthalene-d8	1180000	8.11				
15067-26-2	Acenaphthene-d10	637000	9.863				
1517-22-2	Phenanthrene-d10	1090000	11.345				
1719-03-5	Chrysene-d12	806000	13.986				
1520-96-3	Perylene-d12	644000	15.451				

Raw Data: **BF141020.D**

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

Report of Analysis

Client:	Weston Solutions			Date Collected:			
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169			Date Received:			
Client Sample ID:	PB165894BL			SDG No.:	P5380		
Lab Sample ID:	PB165894BL			Matrix:	TCLP		
Analytical Method:	SW8270			% Solid:	0		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3510C						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141020.D	1	12/27/24 10:25	12/30/24 09:50	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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\BF123024\
Data File : BF141020.D
Acq On : 30 Dec 2024 09:50
Operator : RC/JU
Sample : PB165894BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165894BL

Quant Time: Dec 30 10:24:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

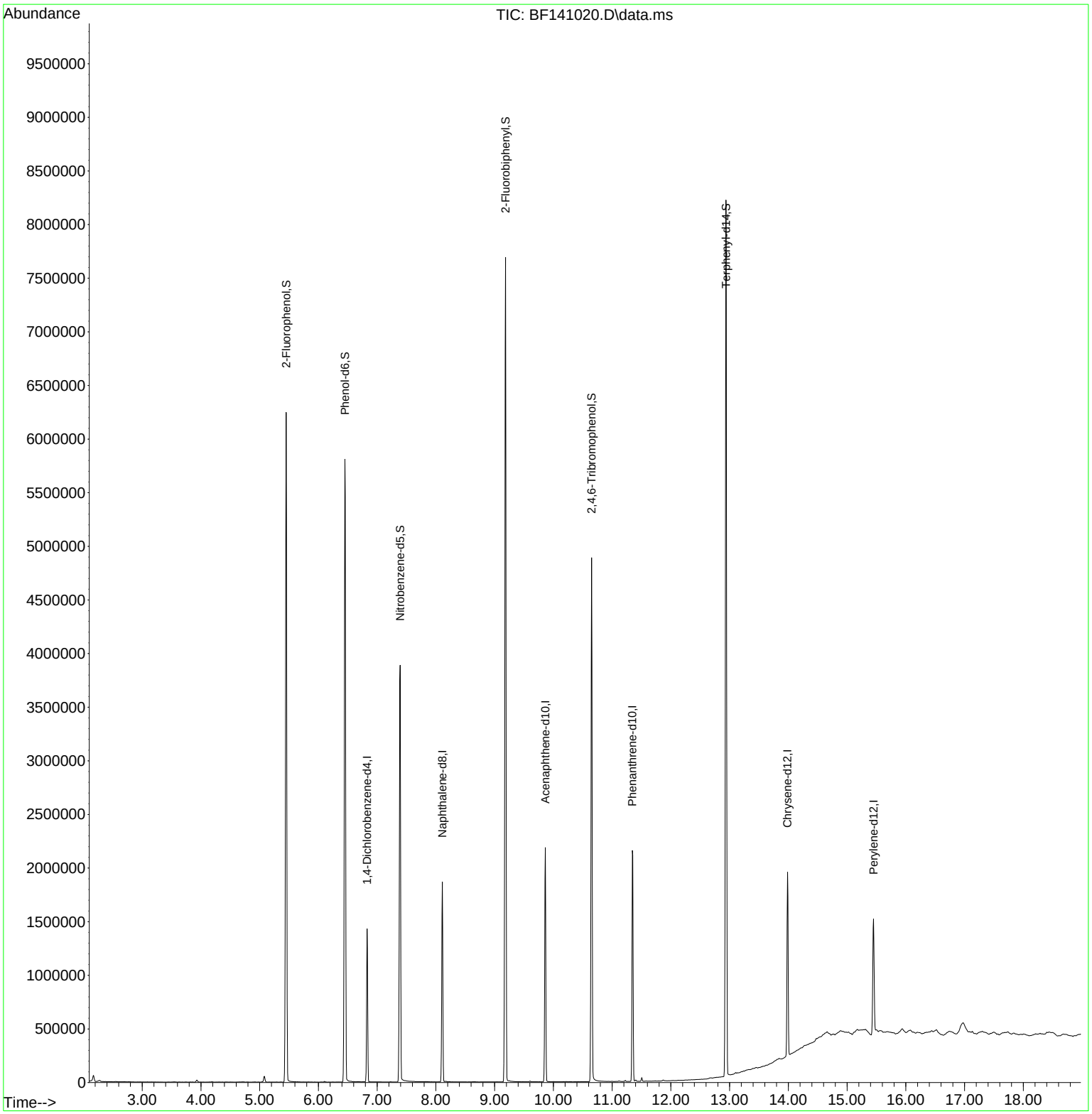
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	294590	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1177092	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	636803	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	1094330	20.000	ng	0.00
76) Chrysene-d12	13.986	240	805864	20.000	ng	0.00
86) Perylene-d12	15.451	264	643549	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	2488568	127.337	ng	0.02
7) Phenol-d6	6.451	99	3115295	123.741	ng	0.00
23) Nitrobenzene-d5	7.392	82	1884047	102.403	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	896386	144.862	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	3546688	88.736	ng	0.00
79) Terphenyl-d14	12.939	244	4155845	85.658	ng	0.00
Target Compounds						Qvalue

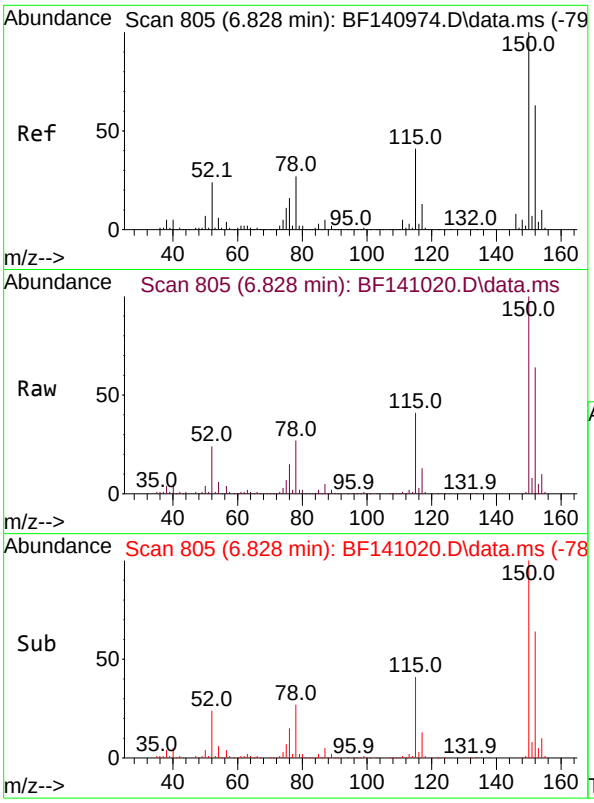
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141020.D
Acq On : 30 Dec 2024 09:50
Operator : RC/JU
Sample : PB165894BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165894BL

Quant Time: Dec 30 10:24:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



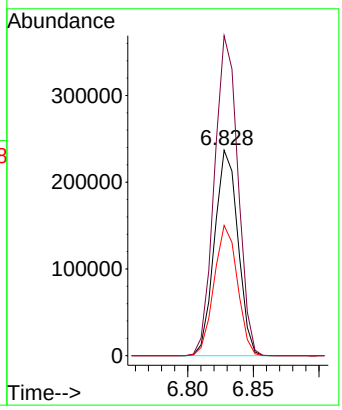


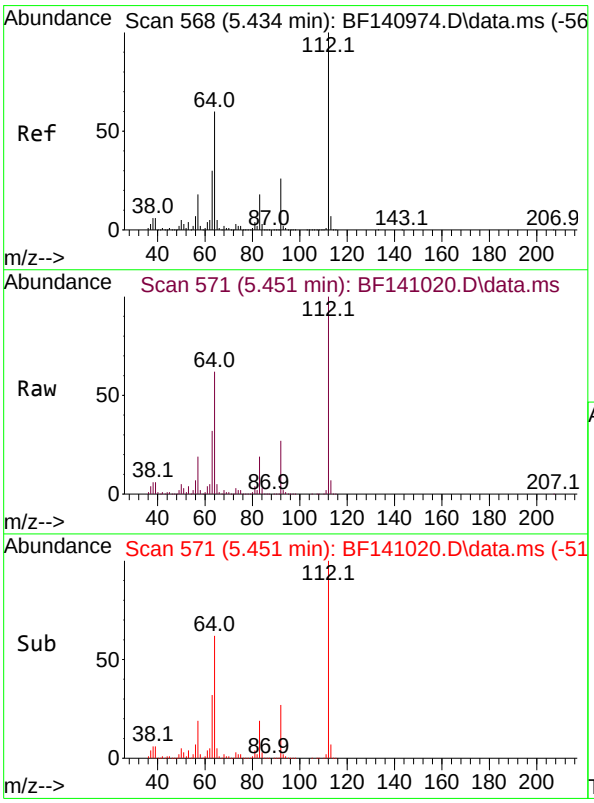
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141020.D
Acq: 30 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
PB165894BL

Tgt Ion:152 Resp: 294590

Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.0	190.6
115	63.4	51.7	77.5

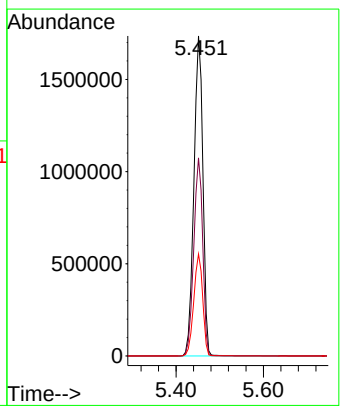


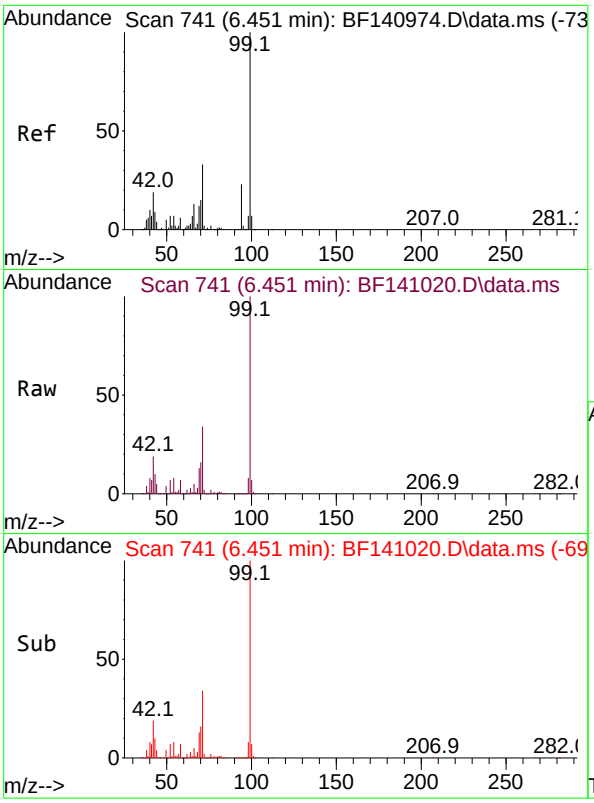


#5
2-Fluorophenol
Concen: 127.337 ng
RT: 5.451 min Scan# 571
Delta R.T. 0.018 min
Lab File: BF141020.D
Acq: 30 Dec 2024 09:50

Tgt Ion:112 Resp: 2488568

Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.7	71.5
63	31.8	24.2	36.2



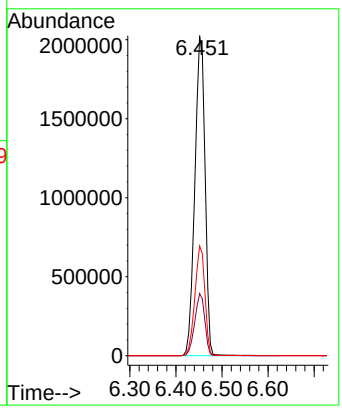


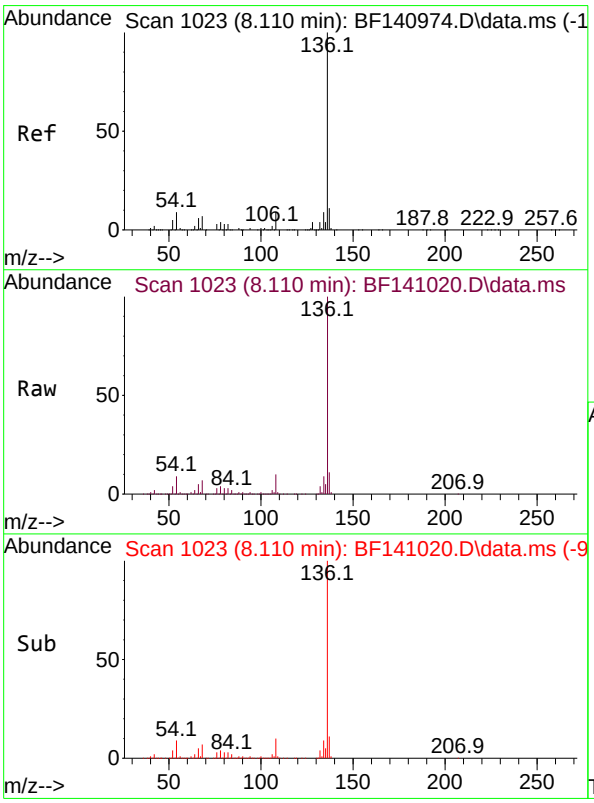
#7
Phenol-d6
Concen: 123.741 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141020.D
Acq: 30 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
PB165894BL

Tgt Ion: 99 Resp: 3115295

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.0	22.4
71	34.3	26.2	39.2

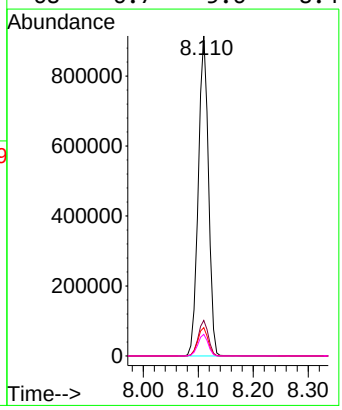


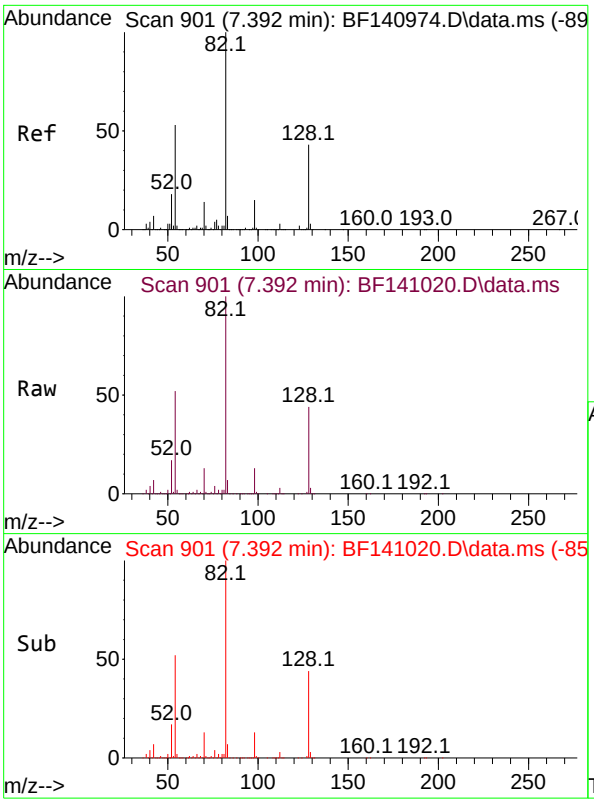


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141020.D
Acq: 30 Dec 2024 09:50

Tgt Ion:136 Resp: 1177092

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.8	7.6	11.4
68	6.7	5.6	8.4



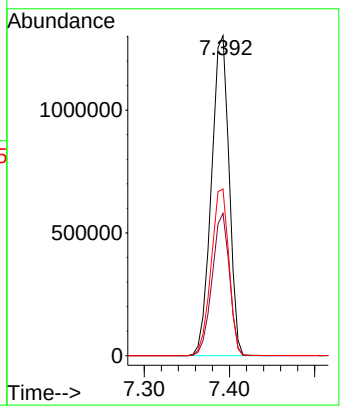


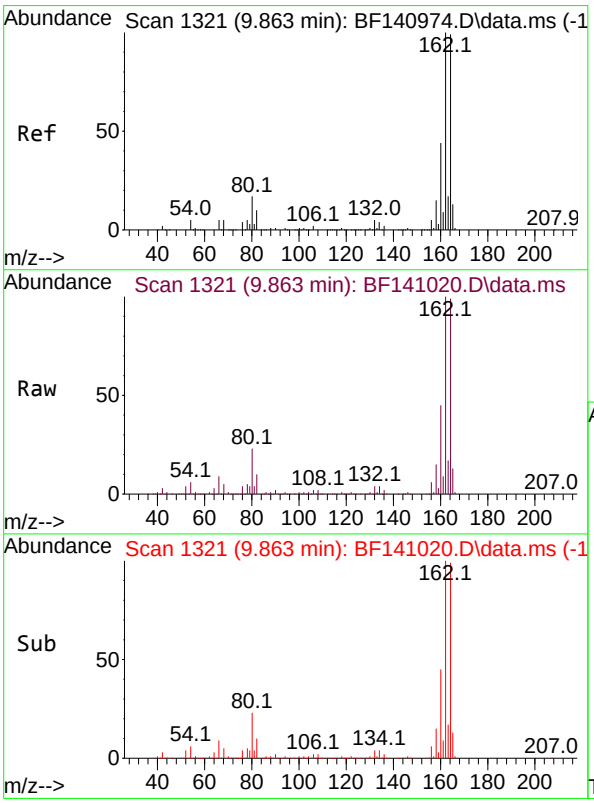
#23
Nitrobenzene-d5
Concen: 102.403 ng
RT: 7.392 min Scan# 9(
Delta R.T. -0.000 min
Lab File: BF141020.D
Acq: 30 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
PB165894BL

Tgt Ion: 82 Resp: 1884047

Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.4	51.6
54	52.1	42.4	63.6

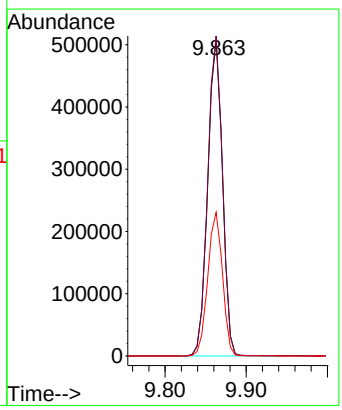


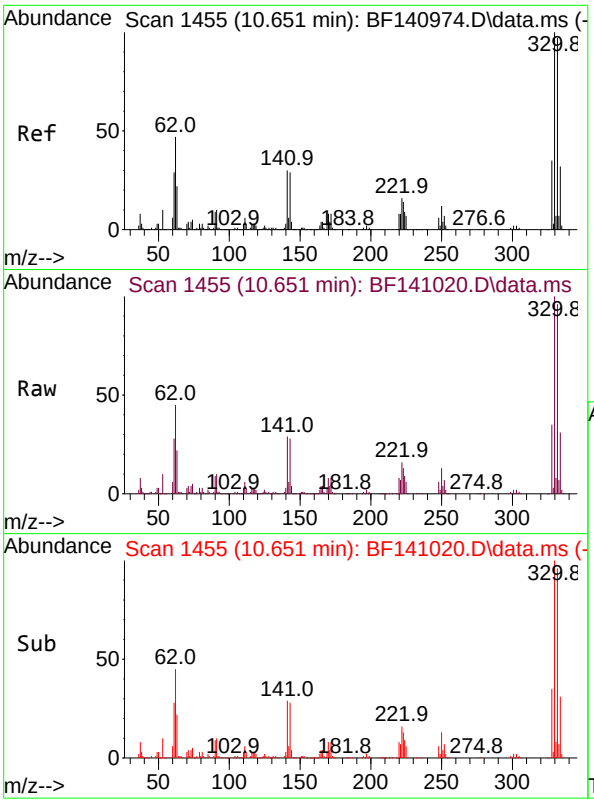


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF141020.D
Acq: 30 Dec 2024 09:50

Tgt Ion:164 Resp: 636803

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	120.8
160	45.5	35.7	53.5



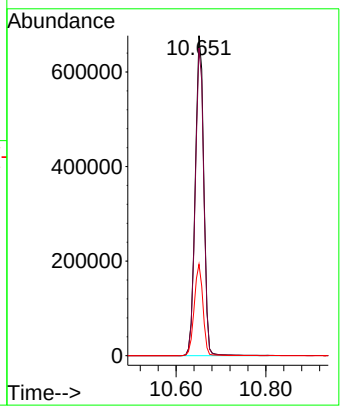


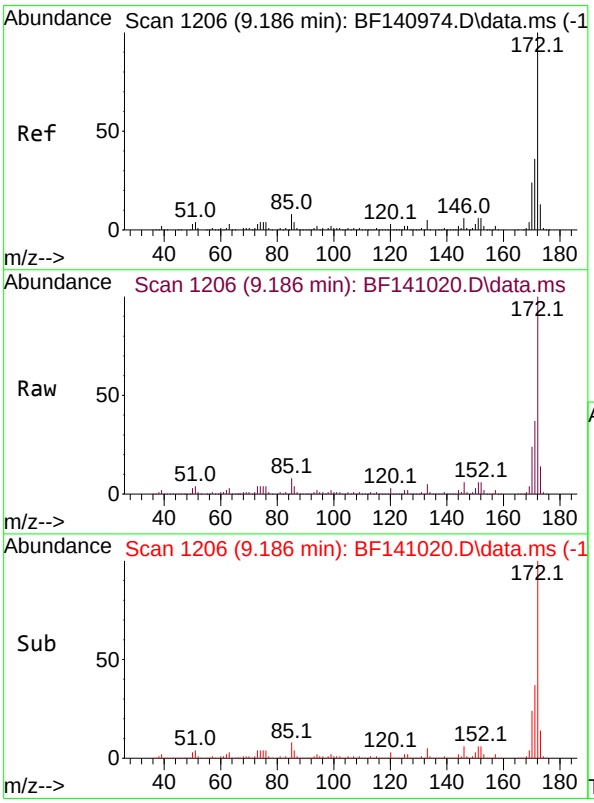
#42
2,4,6-Tribromophenol
Concen: 144.862 ng
RT: 10.651 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141020.D
Acq: 30 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
PB165894BL

Tgt Ion:330 Resp: 896386

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	29.1	26.4	39.6

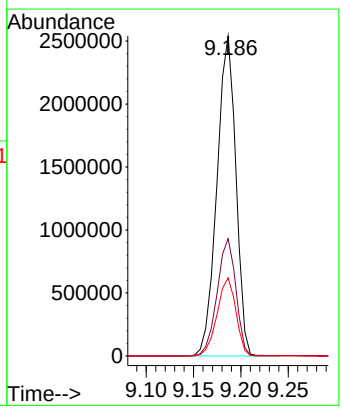


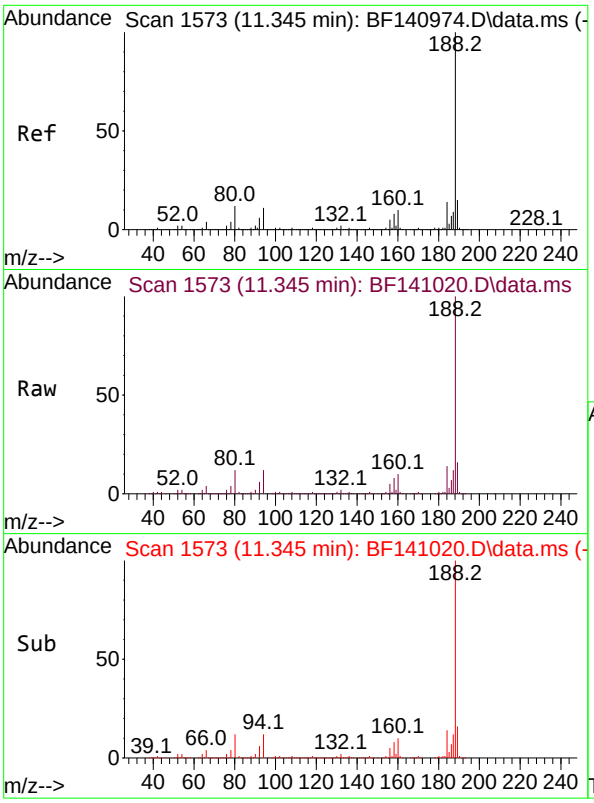


#45
2-Fluorobiphenyl
Concen: 88.736 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF141020.D
Acq: 30 Dec 2024 09:50

Tgt Ion:172 Resp: 3546688

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.0	43.4
170	24.4	19.6	29.4



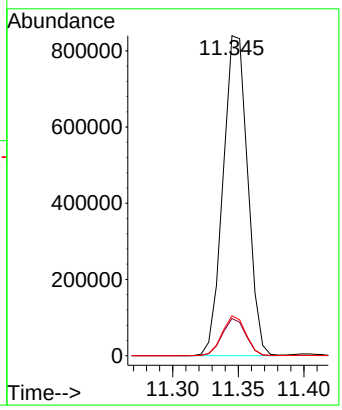


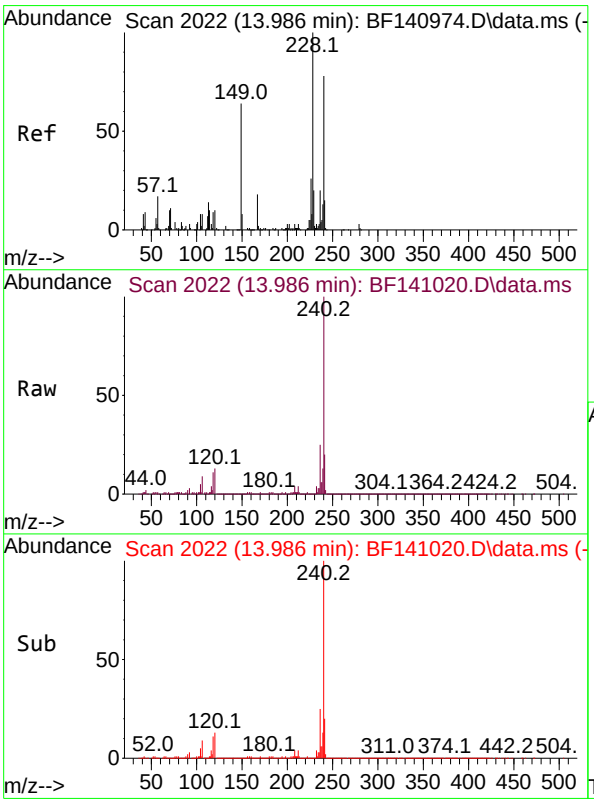
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141020.D
Acq: 30 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
PB165894BL

Tgt Ion:188 Resp: 1094330

Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.0	13.6
80	12.5	9.8	14.6

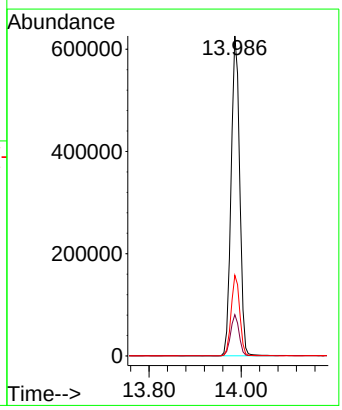


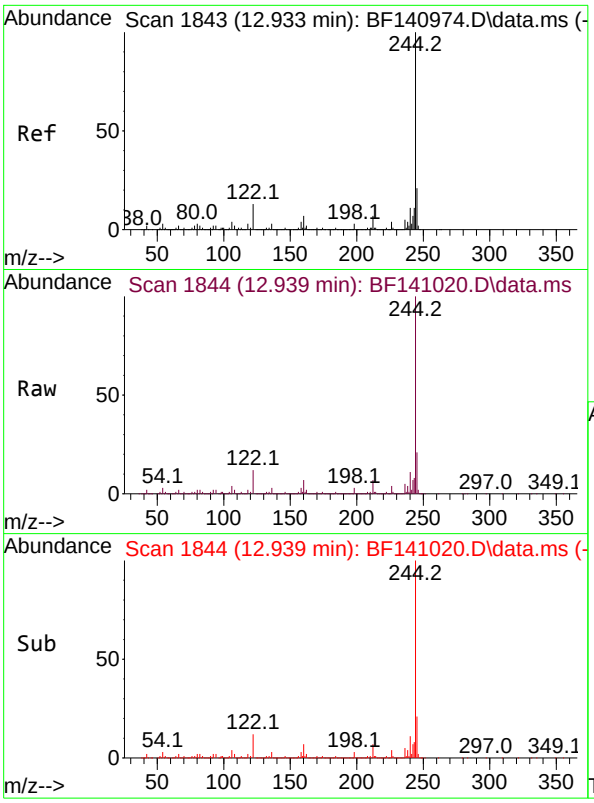


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141020.D
Acq: 30 Dec 2024 09:50

Tgt Ion:240 Resp: 805864

Ion	Ratio	Lower	Upper
240	100		
120	12.9	10.7	16.1
236	25.2	20.6	31.0



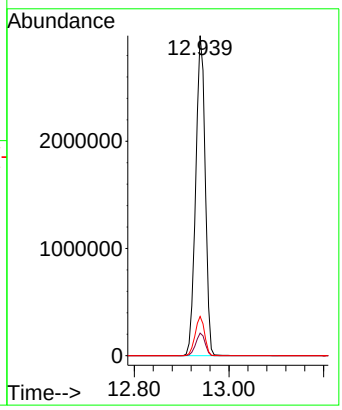


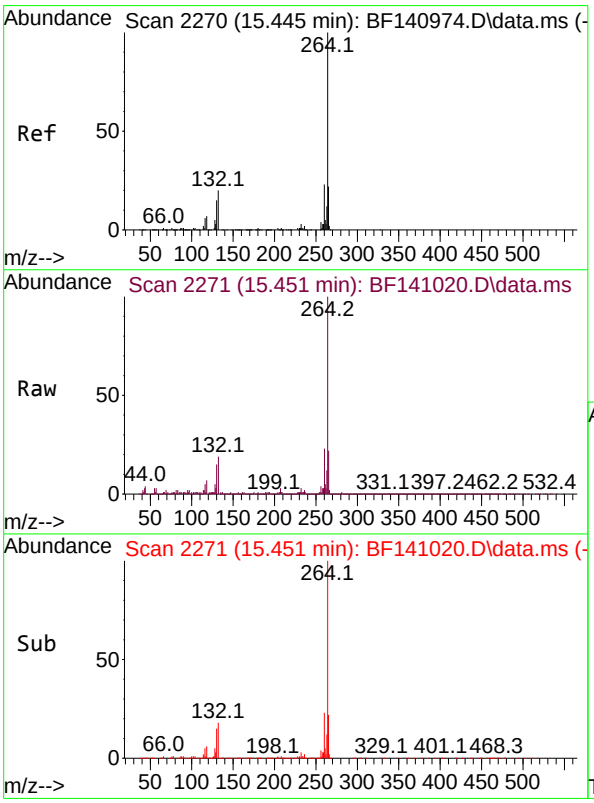
#79
Terphenyl-d14
Concen: 85.658 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141020.D
Acq: 30 Dec 2024 09:50

Instrument :
BNA_F
ClientSampleId :
PB165894BL

Tgt Ion:244 Resp: 4155845

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	12.3	10.2	15.2

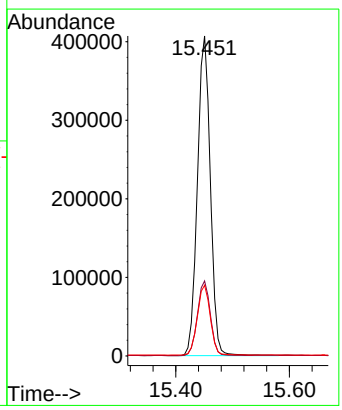




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF141020.D
Acq: 30 Dec 2024 09:50

Tgt Ion:264 Resp: 643549

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	22.1	17.4	26.2



Raw Data: **BF141021.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	PB165894BS	SDG No.:	P5380
Lab Sample ID:	PB165894BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141021.D	1	12/27/24 10:25	12/30/24 10:17	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
110-86-1	Pyridine	45.5		1.60	4.00	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	47.7		0.84	4.00	5.00	ug/L
95-48-7	2-Methylphenol	50.1		1.10	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	48.9		1.20	8.00	10.0	ug/L
67-72-1	Hexachloroethane	49.2		1.00	4.00	5.00	ug/L
98-95-3	Nitrobenzene	51.7		1.30	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	48.2		1.30	4.00	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	52.9		0.89	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	53.4		1.00	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	55.4		1.50	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	54.3		1.10	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.90	8.00	10.0	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	134		19 - 119		89%	SPK: 150
13127-88-3	Phenol-d6	133		10 - 130		88%	SPK: 150
4165-60-0	Nitrobenzene-d5	109		44 - 120		109%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.8		44 - 119		95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	158		43 - 140		105%	SPK: 150
1718-51-0	Terphenyl-d14	106		50 - 134		106%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	265000	6.834				
1146-65-2	Naphthalene-d8	1060000	8.116				
15067-26-2	Acenaphthene-d10	564000	9.863				
1517-22-2	Phenanthrene-d10	911000	11.351				
1719-03-5	Chrysene-d12	525000	13.992				
1520-96-3	Perylene-d12	559000	15.457				

Raw Data: **BF141021.D**

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

Report of Analysis

Client:	Weston Solutions			Date Collected:			
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169			Date Received:			
Client Sample ID:	PB165894BS			SDG No.:	P5380		
Lab Sample ID:	PB165894BS			Matrix:	TCLP		
Analytical Method:	SW8270			% Solid:	0		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3510C						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141021.D	1	12/27/24 10:25	12/30/24 10:17	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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\BF123024\
Data File : BF141021.D
Acq On : 30 Dec 2024 10:17
Operator : RC/JU
Sample : PB165894BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Quant Time: Dec 30 10:59:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.834	152	265480	20.000	ng		0.00
21) Naphthalene-d8	8.116	136	1062209	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	563633	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	910683	20.000	ng		0.00
76) Chrysene-d12	13.992	240	524973	20.000	ng		0.00
86) Perylene-d12	15.457	264	559032	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.451	112	2355204	133.727	ng		0.02
7) Phenol-d6	6.457	99	3010633	132.697	ng		0.00
23) Nitrobenzene-d5	7.392	82	1806013	108.778	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	863281	157.623	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	3354071	94.811	ng		0.00
79) Terphenyl-d14	12.939	244	3356168	106.188	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.657	88	327211	41.037	ng		99
3) Pyridine	3.404	79	885715	45.454	ng		100
4) n-Nitrosodimethylamine	3.352	42	471291	47.735	ng		100
6) Aniline	6.492	93	1044494	51.619	ng		99
8) 2-Chlorophenol	6.616	128	958604	51.625	ng		97
9) Benzaldehyde	6.381	77	175984	9.571	ng		97
10) Phenol	6.475	94	1195100	50.942	ng		93
11) bis(2-Chloroethyl)ether	6.569	93	908900	47.982	ng		98
12) 1,3-Dichlorobenzene	6.769	146	972113	47.438	ng		99
13) 1,4-Dichlorobenzene	6.851	146	986338	47.746	ng		99
14) 1,2-Dichlorobenzene	6.998	146	945408	49.084	ng		99
15) Benzyl Alcohol	6.969	79	831212	50.983	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1438685	50.222	ng		99
17) 2-Methylphenol	7.081	107	772182	50.056	ng		99
18) Hexachloroethane	7.345	117	360723	49.155	ng		100
19) n-Nitroso-di-n-propyla...	7.245	70	679575	48.892	ng		99
20) 3+4-Methylphenols	7.234	107	954601	48.900	ng	#	89
22) Acetophenone	7.240	105	1250805	48.002	ng		96
24) Nitrobenzene	7.410	77	959427	51.716	ng		99
25) Isophorone	7.651	82	1827974	50.597	ng		99
26) 2-Nitrophenol	7.728	139	413463	53.678	ng		100
27) 2,4-Dimethylphenol	7.763	122	773942	58.615	ng		99
28) bis(2-Chloroethoxy)met...	7.863	93	1123896	49.099	ng		100
29) 2,4-Dichlorophenol	7.969	162	759912	50.745	ng		100
30) 1,2,4-Trichlorobenzene	8.051	180	802320	47.336	ng		99
31) Naphthalene	8.134	128	2679451	47.871	ng		100
32) Benzoic acid	7.881	122	530675	48.704	ng		97
33) 4-Chloroaniline	8.181	127	532305	26.288	ng		98
34) Hexachlorobutadiene	8.251	225	481762	48.214	ng		99
35) Caprolactam	8.545	113	253782m	49.850	ng		
36) 4-Chloro-3-methylphenol	8.657	107	821594	49.402	ng		98
37) 2-Methylnaphthalene	8.822	142	1764256	49.271	ng		99
38) 1-Methylnaphthalene	8.922	142	1649595	46.876	ng		100
40) 1,2,4,5-Tetrachloroben...	8.992	216	771312	49.742	ng		99
41) Hexachlorocyclopentadiene	8.981	237	946981	184.288	ng		99
43) 2,4,6-Trichlorophenol	9.098	196	545815	52.888	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141021.D
Acq On : 30 Dec 2024 10:17
Operator : RC/JU
Sample : PB165894BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Quant Time: Dec 30 10:59:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

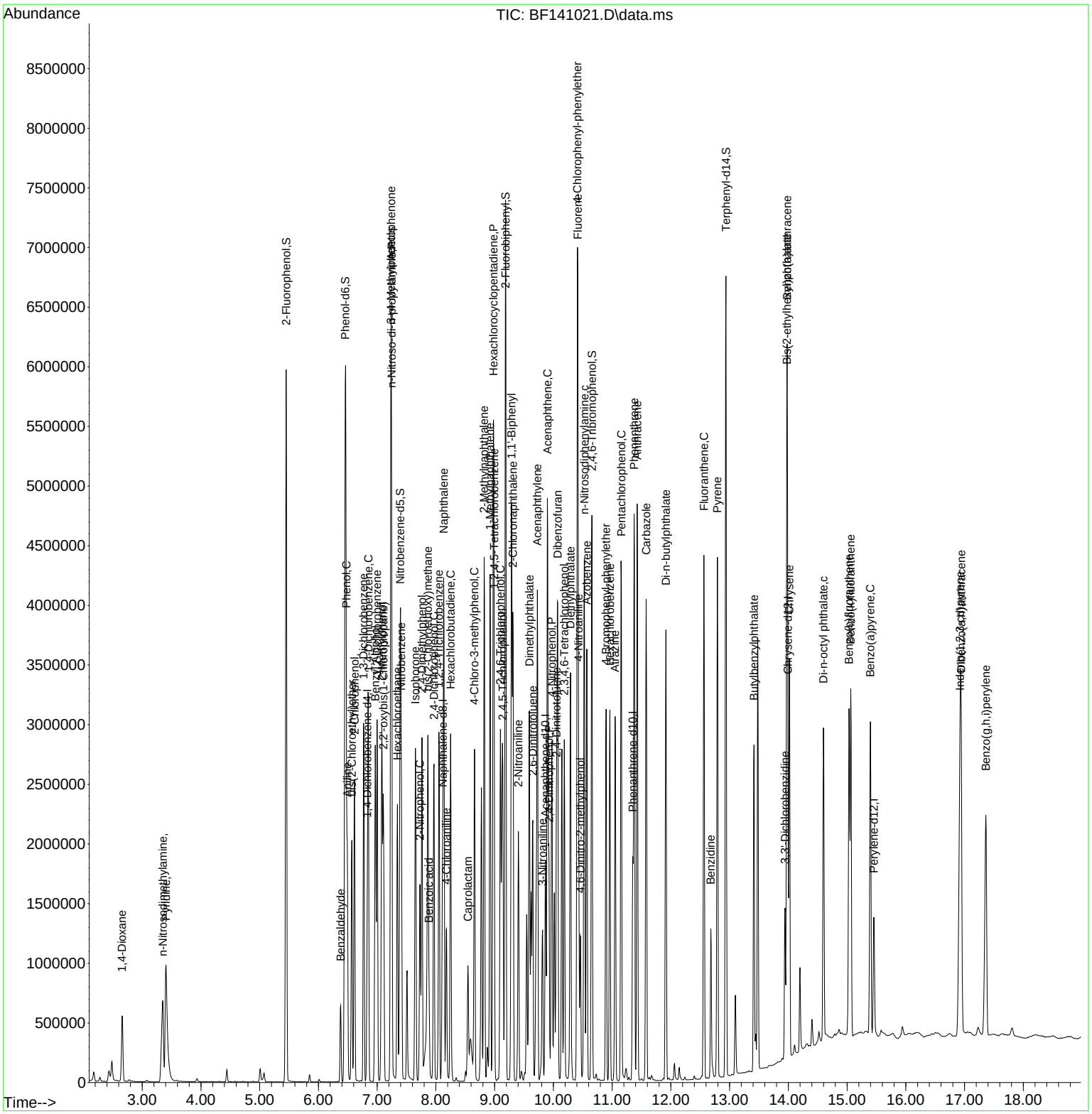
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	563885	53.400	ng		98
46) 1,1'-Biphenyl	9.286	154	2142081	49.635	ng		100
47) 2-Chloronaphthalene	9.310	162	1614810	48.245	ng		100
48) 2-Nitroaniline	9.404	65	482653	54.432	ng		96
49) Acenaphthylene	9.728	152	2490576	51.689	ng		100
50) Dimethylphthalate	9.592	163	1889611	50.969	ng		100
51) 2,6-Dinitrotoluene	9.651	165	392834	51.656	ng		97
52) Acenaphthene	9.898	154	1758675	53.990	ng		100
53) 3-Nitroaniline	9.816	138	270023	33.872	ng	#	95
54) 2,4-Dinitrophenol	9.928	184	332519	99.313	ng	#	1
55) Dibenzofuran	10.075	168	2251400	49.180	ng		99
56) 4-Nitrophenol	9.975	139	709465	111.872	ng		95
57) 2,4-Dinitrotoluene	10.051	165	519335	55.370	ng		99
58) Fluorene	10.416	166	1728750	48.699	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	489241	55.943	ng		97
60) Diethylphthalate	10.292	149	1815649	49.607	ng		99
61) 4-Chlorophenyl-phenyle...	10.410	204	844190	49.422	ng		97
62) 4-Nitroaniline	10.428	138	409804	49.758	ng		96
63) Azobenzene	10.569	77	1896588	49.369	ng		99
65) 4,6-Dinitro-2-methylph...	10.463	198	227800	59.869	ng		94
66) n-Nitrosodiphenylamine	10.528	169	1568332	54.689	ng		100
67) 4-Bromophenyl-phenylether	10.898	248	550440	55.913	ng		97
68) Hexachlorobenzene	10.963	284	589836	54.336	ng		100
69) Atrazine	11.051	200	522116	65.171	ng		100
70) Pentachlorophenol	11.157	266	716690	106.042	ng		100
71) Phenanthrene	11.375	178	2529378	52.772	ng		99
72) Anthracene	11.427	178	2568255	54.684	ng		100
73) Carbazole	11.580	167	2246352	49.754	ng		100
74) Di-n-butylphthalate	11.916	149	2619214	51.005	ng		100
75) Fluoranthene	12.563	202	2425427	46.658	ng		100
77) Benzidine	12.680	184	672047	60.573	ng		99
78) Pyrene	12.792	202	2453948	53.448	ng		100
80) Butylbenzylphthalate	13.416	149	869442	51.860	ng		99
81) Benzo(a)anthracene	13.980	228	1748285	47.784	ng		99
82) 3,3'-Dichlorobenzidine	13.945	252	398466	36.249	ng		99
83) Chrysene	14.016	228	1664973	50.481	ng		100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1043963	48.005	ng		100
85) Di-n-octyl phthalate	14.598	149	1711465	54.375	ng		98
87) Indeno(1,2,3-cd)pyrene	16.921	276	2187757	62.116	ng		98
88) Benzo(b)fluoranthene	15.033	252	1842176	47.248	ng		100
89) Benzo(k)fluoranthene	15.063	252	1466521	47.991	ng		100
90) Benzo(a)pyrene	15.398	252	1627162	53.768	ng		99
91) Dibenzo(a,h)anthracene	16.945	278	1742189	61.023	ng		99
92) Benzo(g,h,i)perylene	17.362	276	1691257	57.115	ng		99

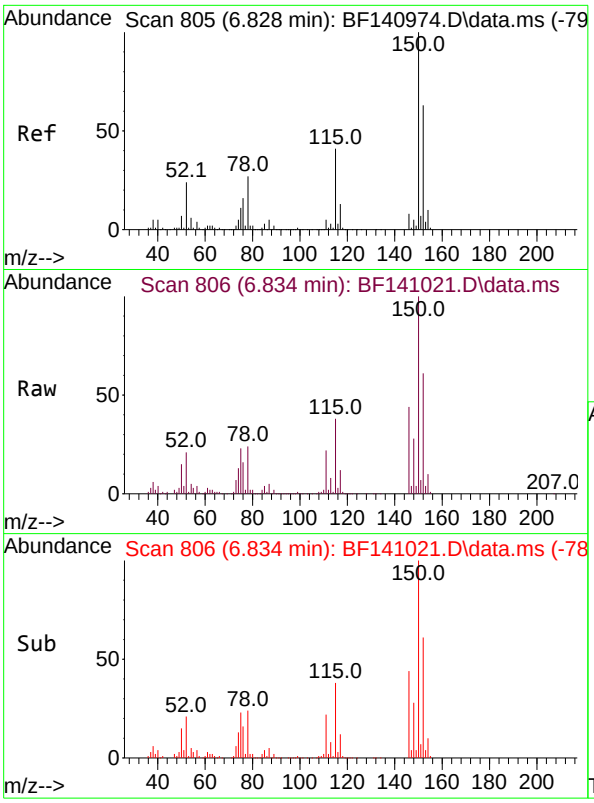
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141021.D
Acq On : 30 Dec 2024 10:17
Operator : RC/JU
Sample : PB165894BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Quant Time: Dec 30 10:59:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



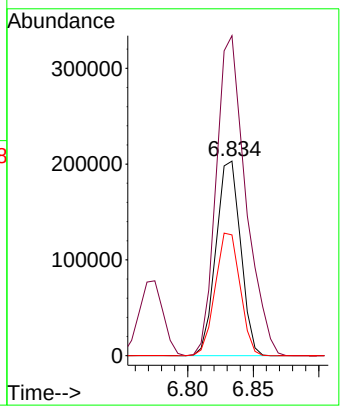


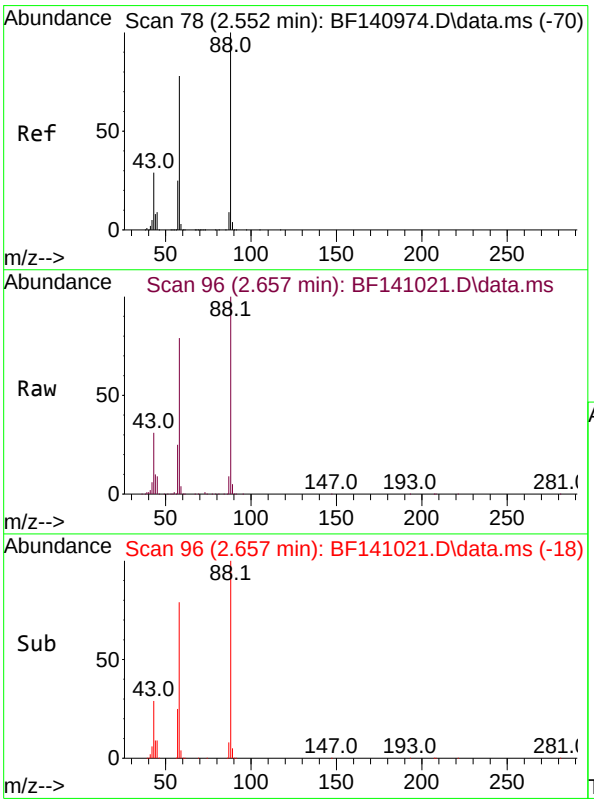
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:152 Resp: 265480

Ion	Ratio	Lower	Upper
152	100		
150	164.4	127.0	190.6
115	62.1	51.7	77.5

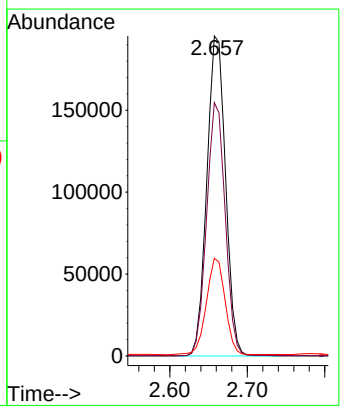


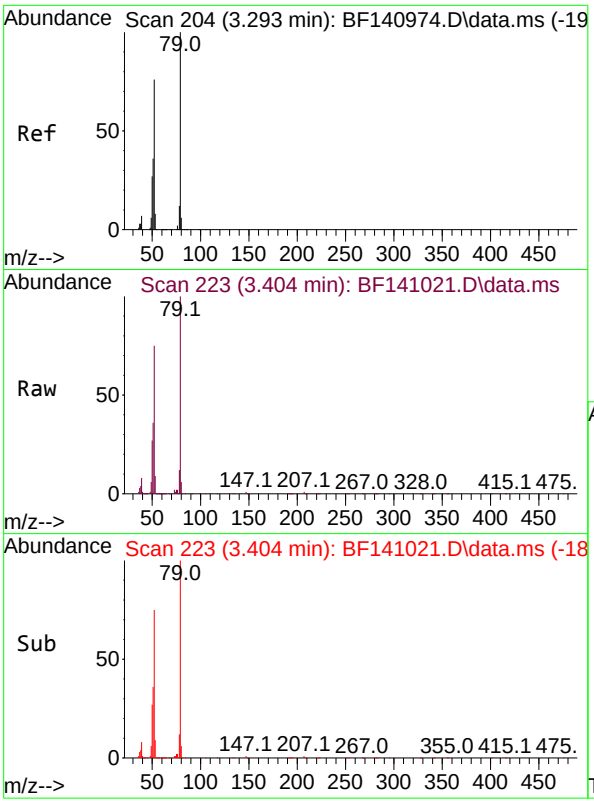


#2
1,4-Dioxane
Concen: 41.037 ng
RT: 2.657 min Scan# 96
Delta R.T. 0.106 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 88 Resp: 327211

Ion	Ratio	Lower	Upper
88	100		
58	78.4	63.0	94.4
43	30.2	23.4	35.2



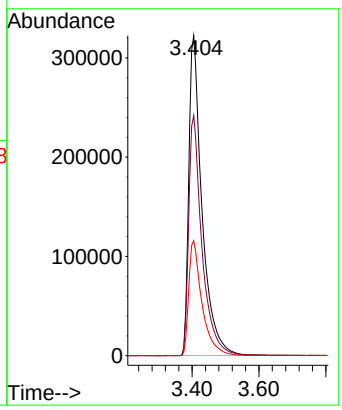


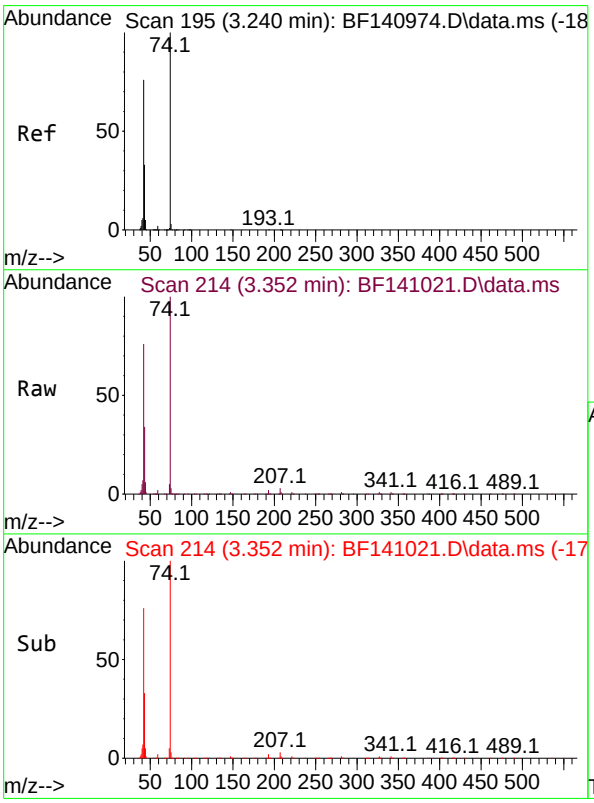
#3
Pyridine
Concen: 45.454 ng
RT: 3.404 min Scan# 2
Delta R.T. 0.112 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 79 Resp: 885715

Ion	Ratio	Lower	Upper
79	100		
52	75.0	60.4	90.6
51	35.9	28.8	43.2

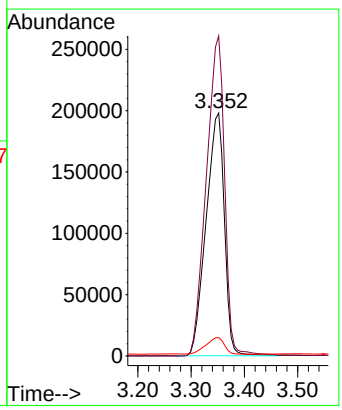


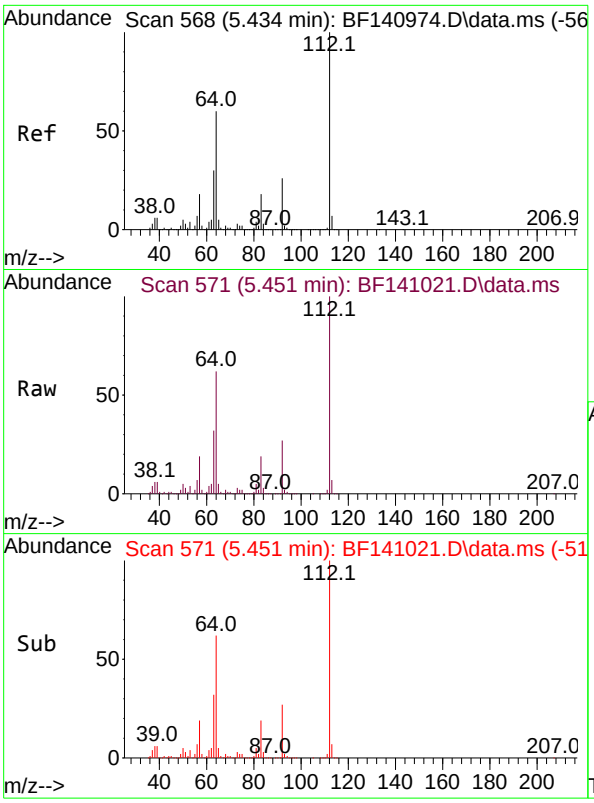


#4
n-Nitrosodimethylamine
Concen: 47.735 ng
RT: 3.352 min Scan# 214
Delta R.T. 0.112 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 42 Resp: 471291

Ion	Ratio	Lower	Upper
42	100		
74	131.7	105.8	158.6
44	7.6	6.6	10.0



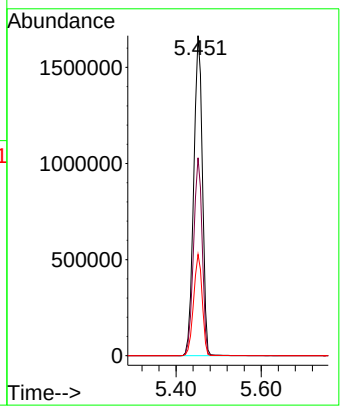


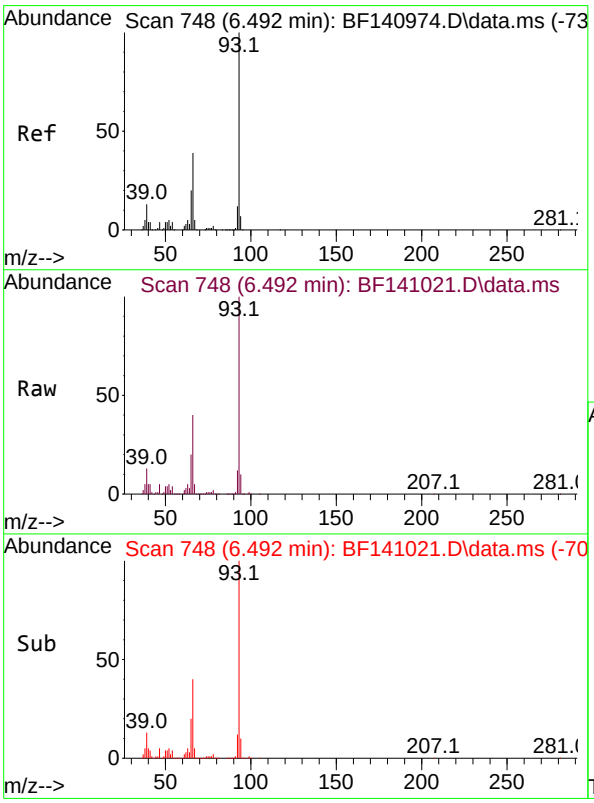
#5
2-Fluorophenol
Concen: 133.727 ng
RT: 5.451 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:112 Resp: 2355204

Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.7	71.5
63	31.6	24.2	36.2

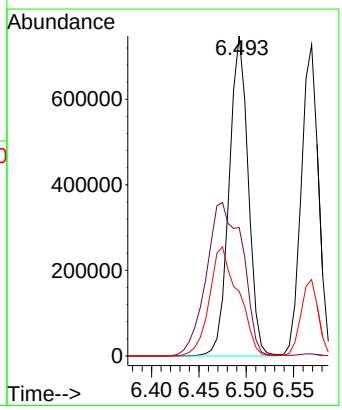


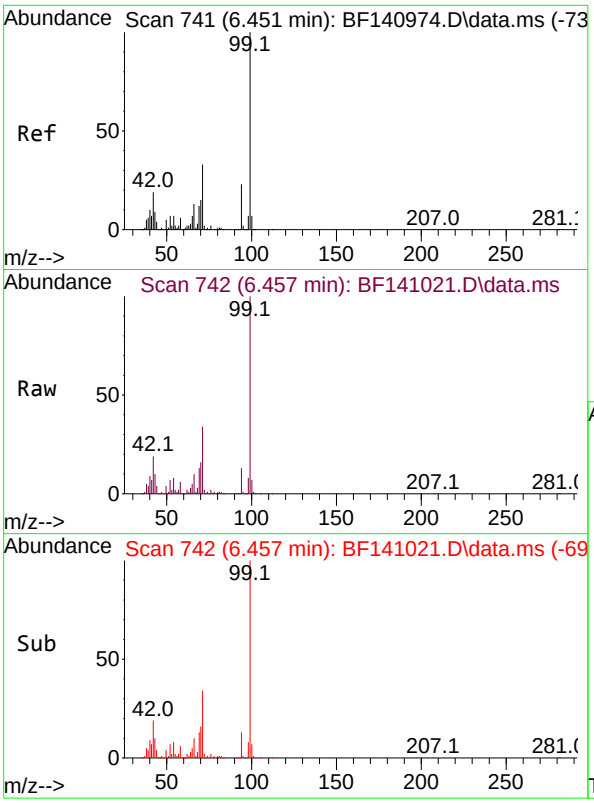


#6
Aniline
Concen: 51.619 ng
RT: 6.492 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 93 Resp: 1044494

Ion	Ratio	Lower	Upper
93	100		
66	40.1	31.8	47.8
65	20.2	15.4	23.0



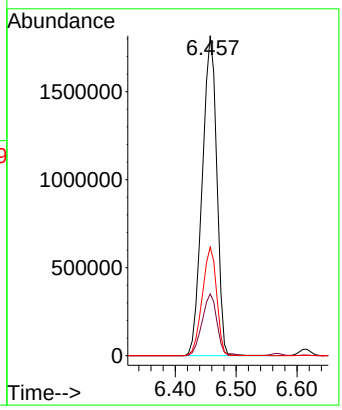


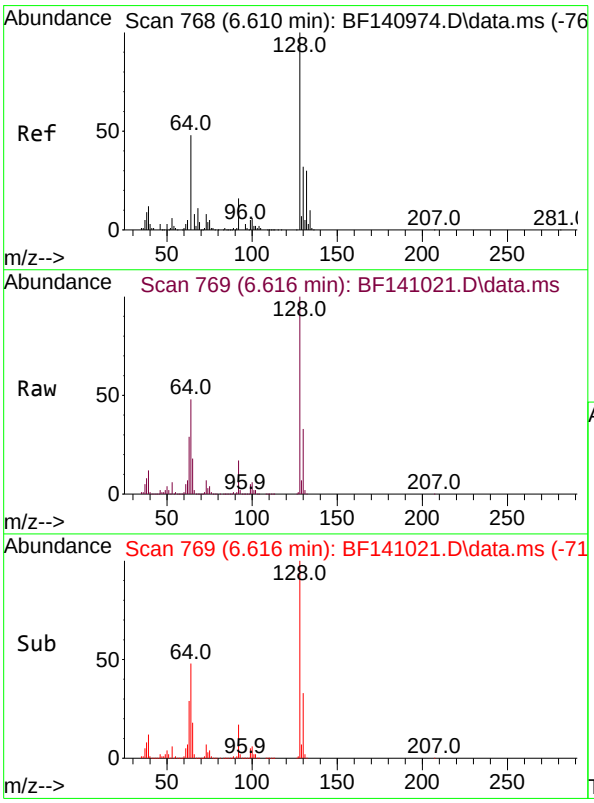
#7
Phenol-d6
Concen: 132.697 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 99 Resp: 3010633

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.0	22.4
71	33.9	26.2	39.2

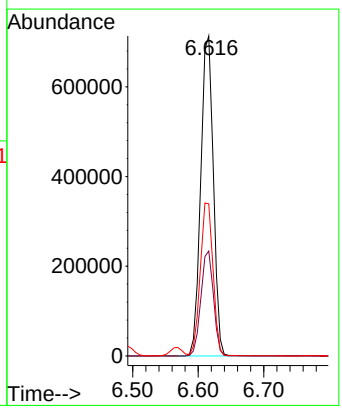


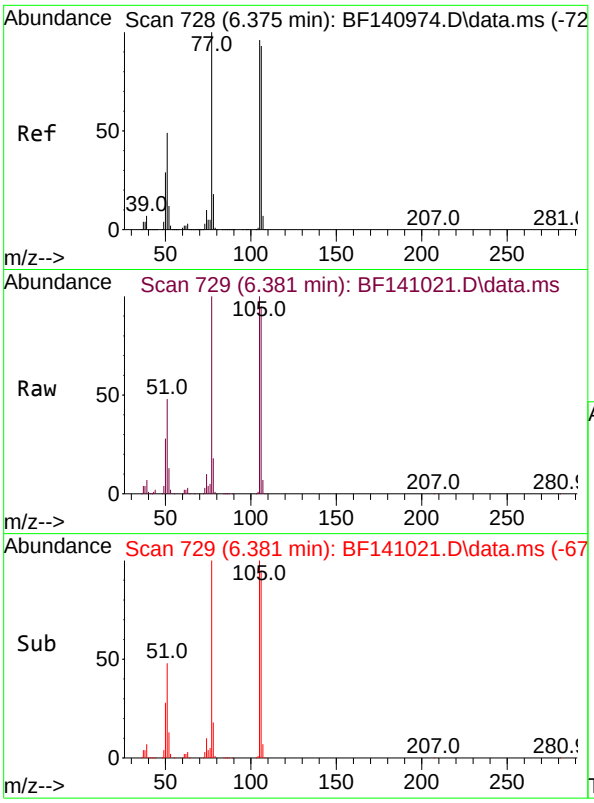


#8
2-Chlorophenol
Concen: 51.625 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:128 Resp: 958604

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.2	52.2
64	47.5	30.3	70.3



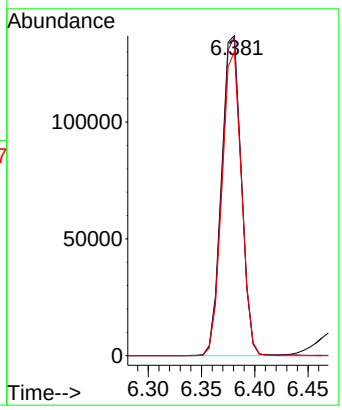


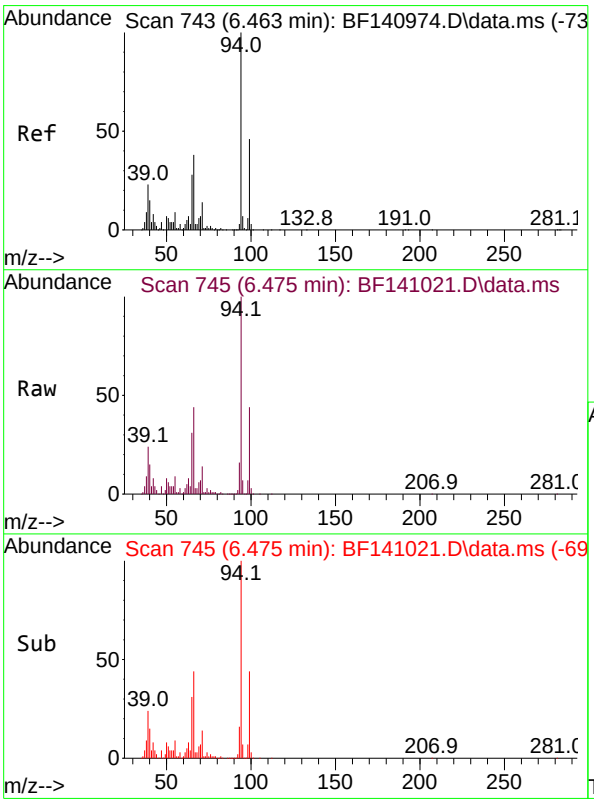
#9
Benzaldehyde
Concen: 9.571 ng
RT: 6.381 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 77 Resp: 175984

Ion	Ratio	Lower	Upper
77	100		
105	99.6	76.2	116.2
106	95.1	73.4	113.4

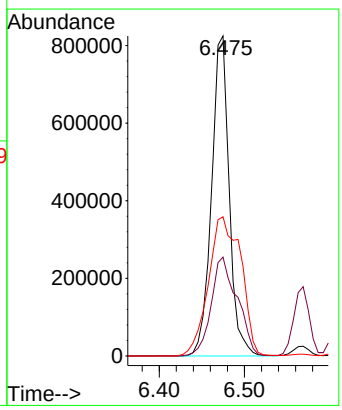


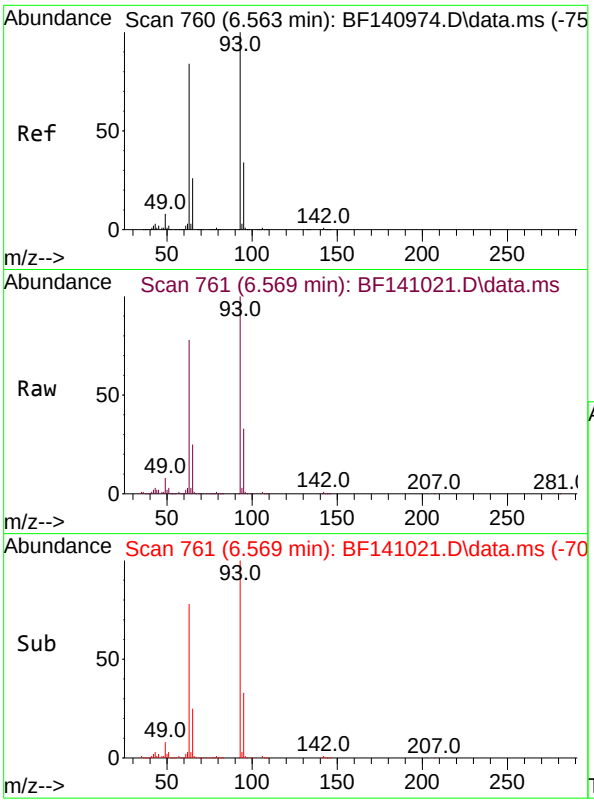


#10
Phenol
Concen: 50.942 ng
RT: 6.475 min Scan# 745
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 94 Resp: 1195100

Ion	Ratio	Lower	Upper
94	100		
65	30.9	8.1	48.1
66	43.5	18.7	58.7



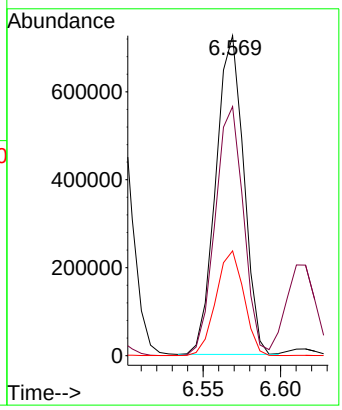


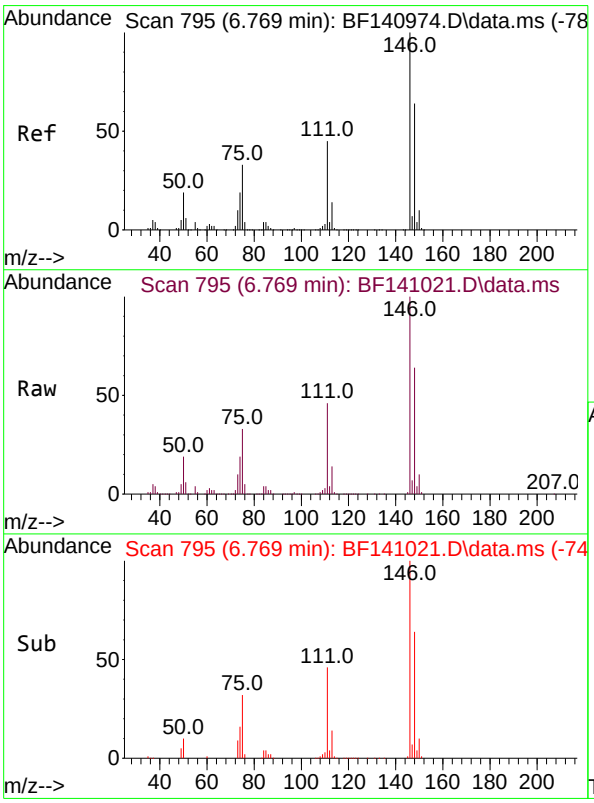
#11
bis(2-Chloroethyl)ether
Concen: 47.982 ng
RT: 6.569 min Scan# 7(
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 93 Resp: 908900

Ion	Ratio	Lower	Upper
93	100		
63	77.9	60.3	100.3
95	32.7	12.2	52.2

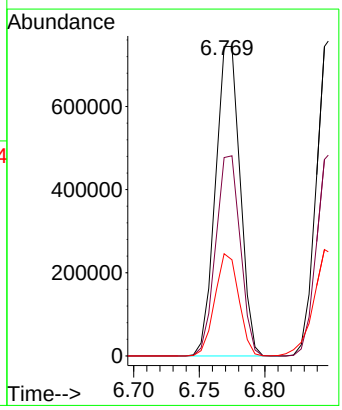


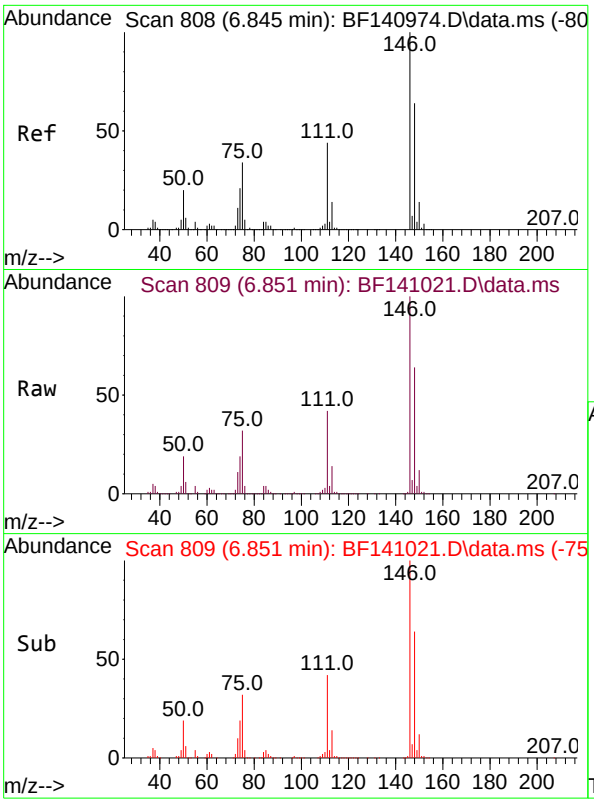


#12
1,3-Dichlorobenzene
Concen: 47.438 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:146 Resp: 972113

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.4
75	33.0	26.1	39.1



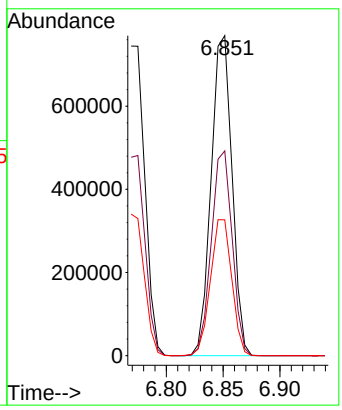


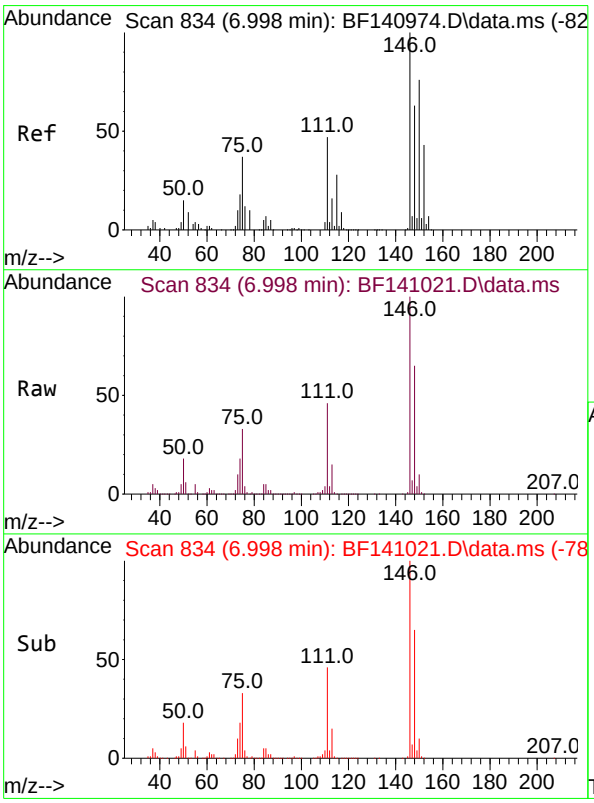
#13
1,4-Dichlorobenzene
Concen: 47.746 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:146 Resp: 986338

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.3	76.9
111	42.4	35.3	52.9

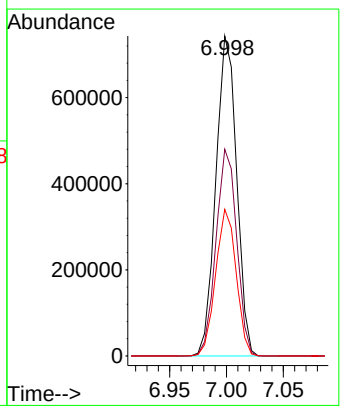


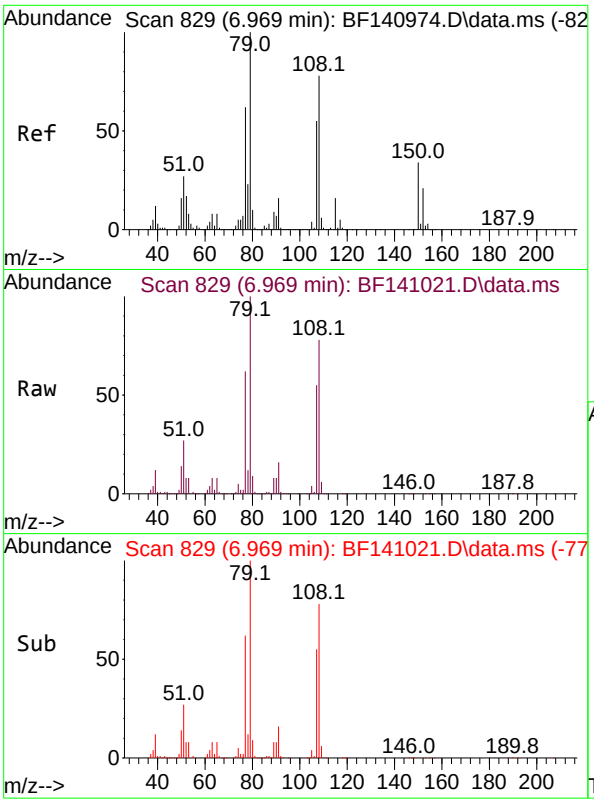


#14
1,2-Dichlorobenzene
Concen: 49.084 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:146 Resp: 945408

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.6	76.0
111	45.8	37.3	55.9



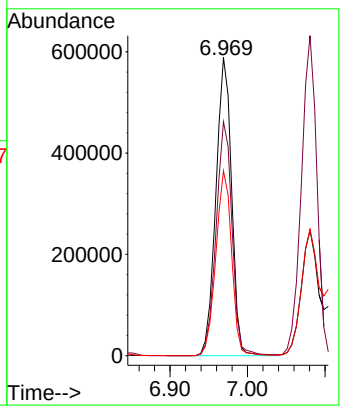


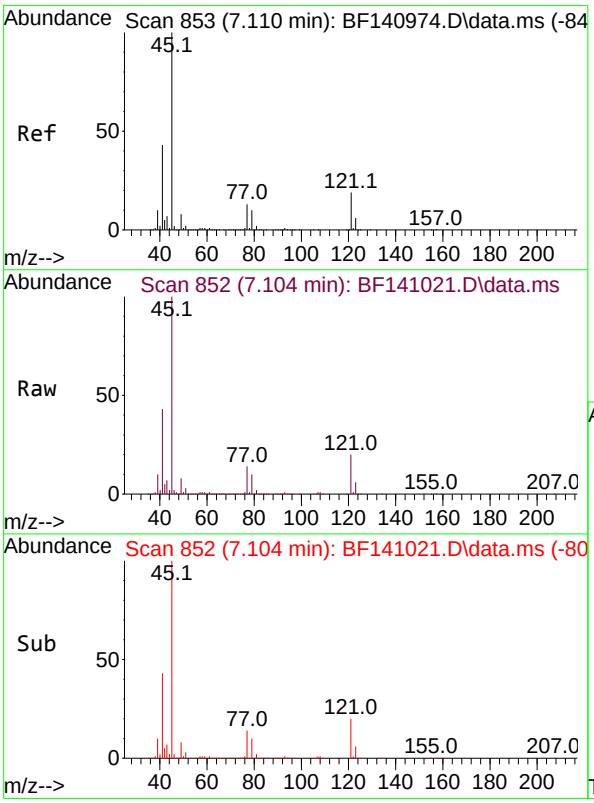
#15
Benzyl Alcohol
Concen: 50.983 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 79 Resp: 831212

Ion	Ratio	Lower	Upper
79	100		
108	78.4	62.5	93.7
77	62.0	49.3	73.9

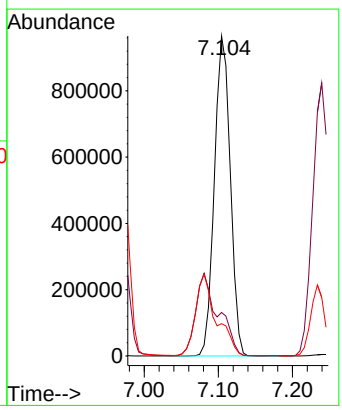


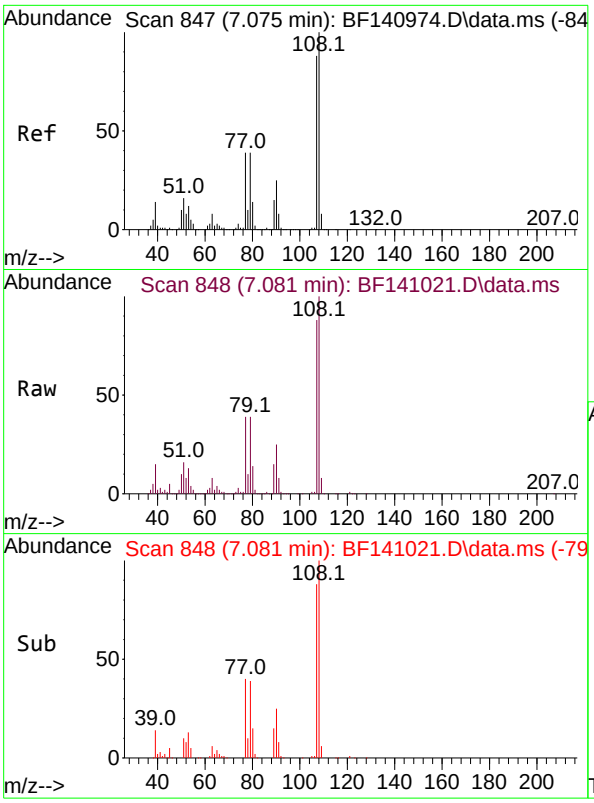


#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.222 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 45 Resp: 1438685

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	33.1
79	10.1	0.0	30.1



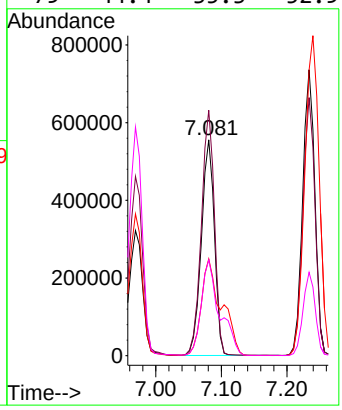


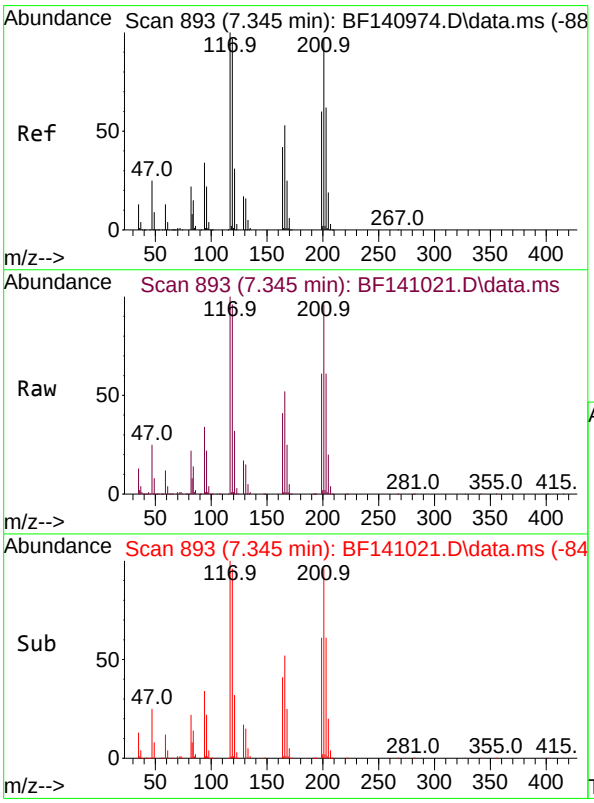
#17
2-Methylphenol
Concen: 50.056 ng
RT: 7.081 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:107 Resp: 772182

Ion	Ratio	Lower	Upper
107	100		
108	113.7	90.6	136.0
77	44.9	35.3	52.9
79	44.4	35.3	52.9

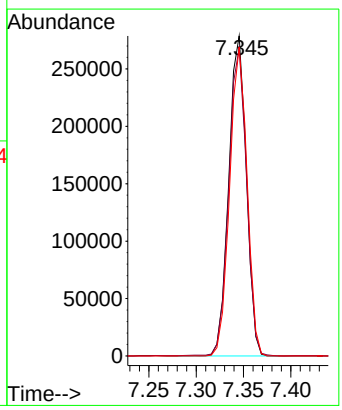


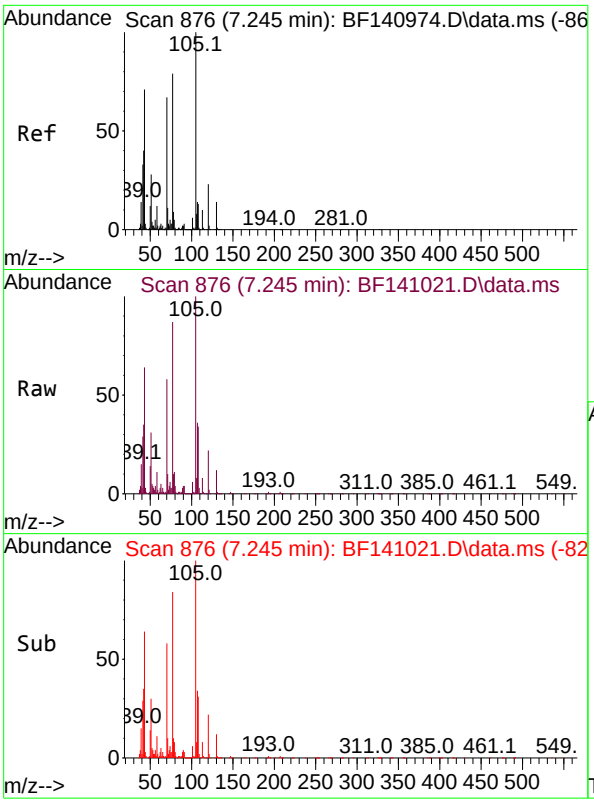


#18
Hexachloroethane
Concen: 49.155 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:117 Resp: 360723

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.5	116.3
201	96.5	77.4	116.2



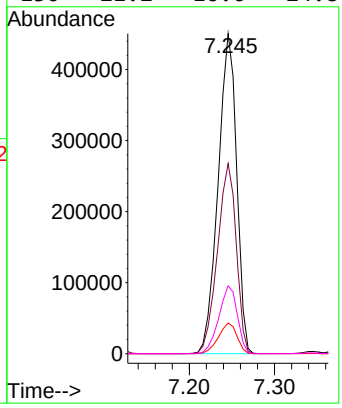


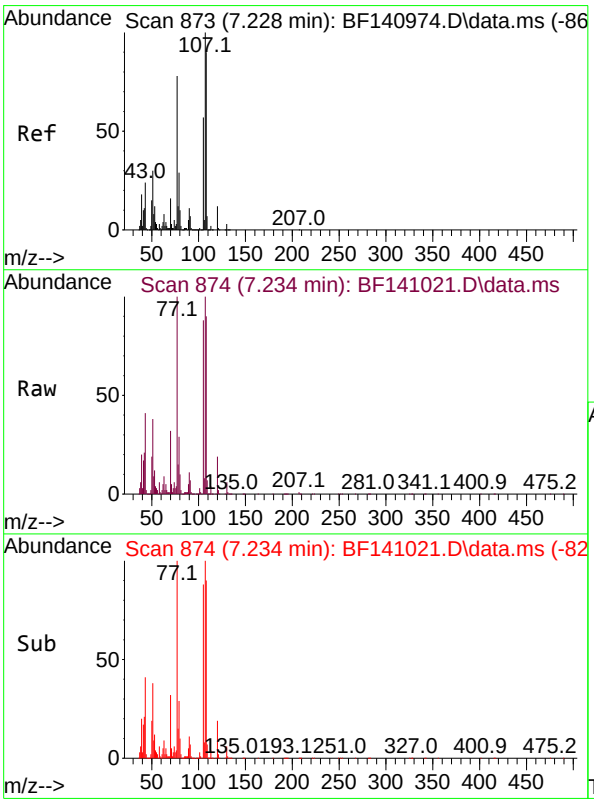
#19
n-Nitroso-di-n-propylamine
Concen: 48.892 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 70 Resp: 679575

Ion	Ratio	Lower	Upper
70	100		
42	59.4	48.1	72.1
101	9.6	7.6	11.4
130	21.2	16.6	24.8

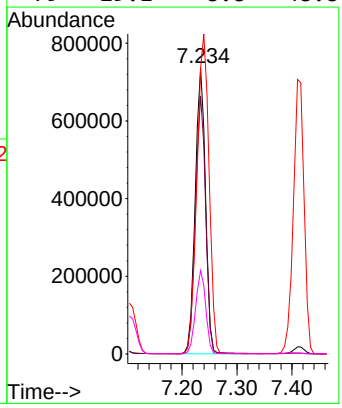


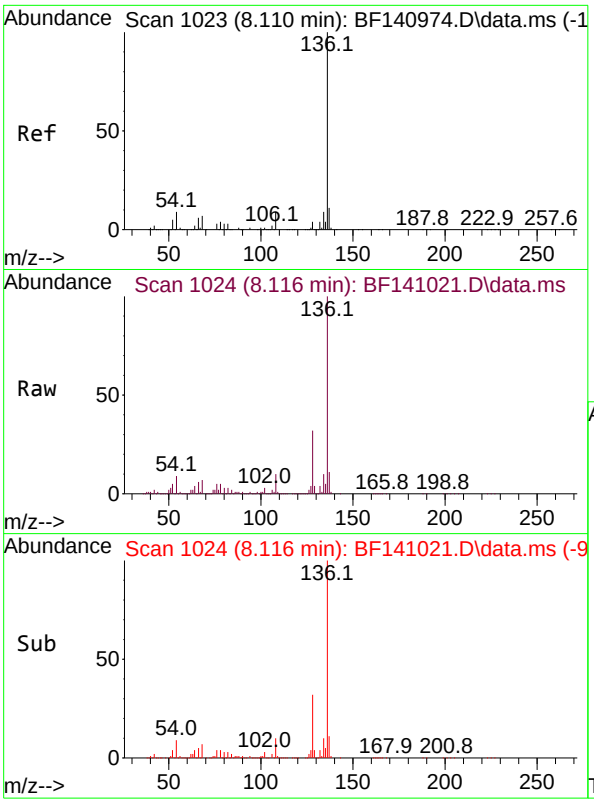


#20
3+4-Methylphenols
Concen: 48.900 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:107 Resp: 954601

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.6	109.6
77	99.8	57.6	97.6#
79	29.1	8.8	48.8



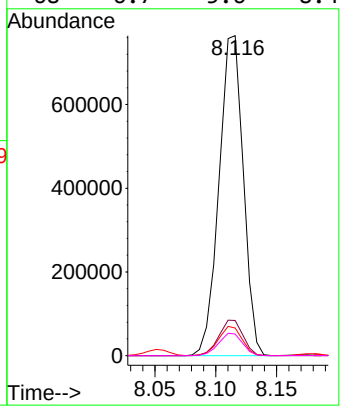


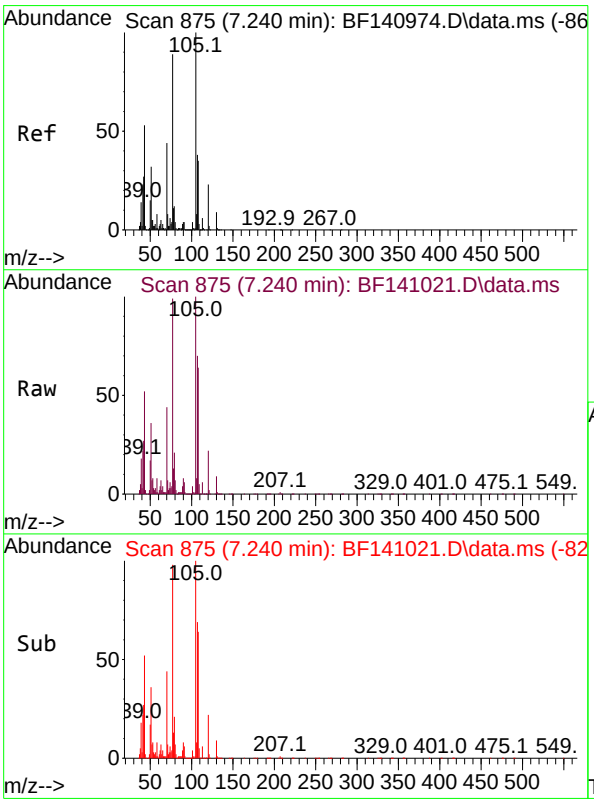
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:136 Resp: 1062209

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.7	7.6	11.4
68	6.7	5.6	8.4

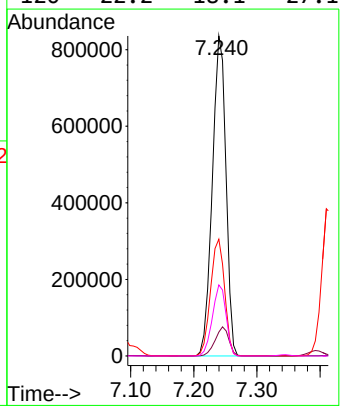


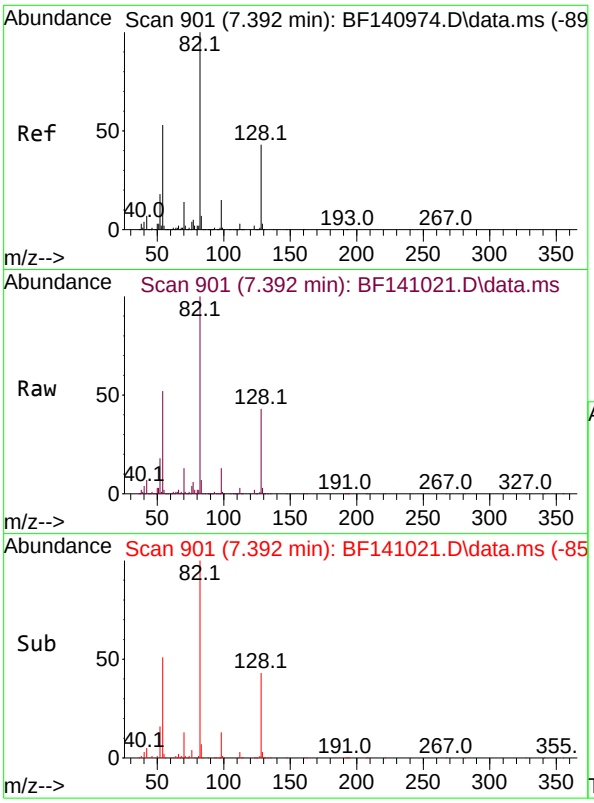


#22
Acetophenone
Concen: 48.002 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:105 Resp: 1250805

Ion	Ratio	Lower	Upper
105	100		
71	7.4	6.1	9.1
51	36.5	25.8	38.6
120	22.2	18.1	27.1



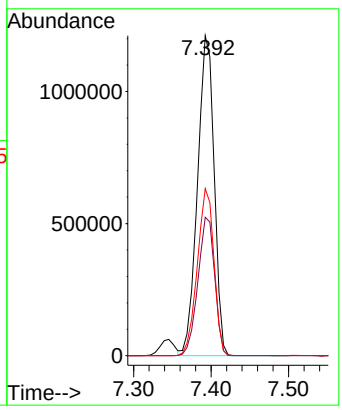


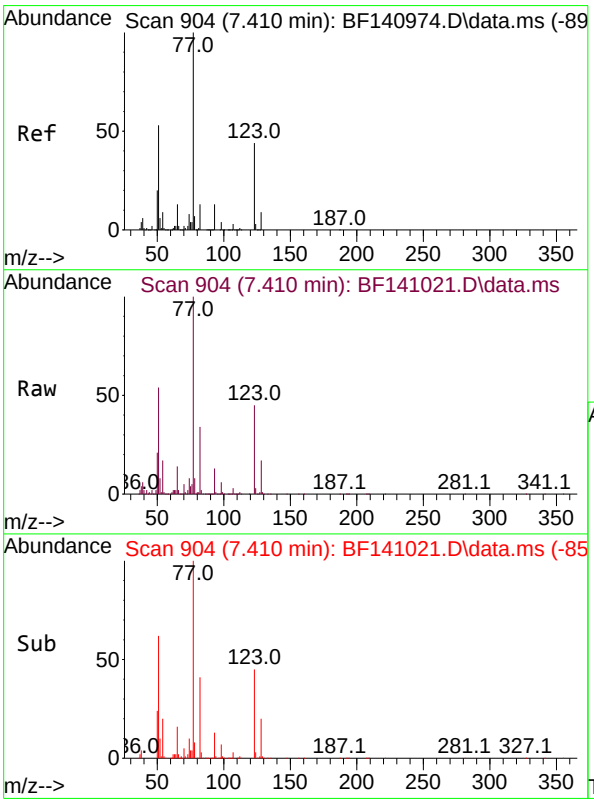
#23
Nitrobenzene-d5
Concen: 108.778 ng
RT: 7.392 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 82 Resp: 1806013

Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.4	51.6
54	52.2	42.4	63.6

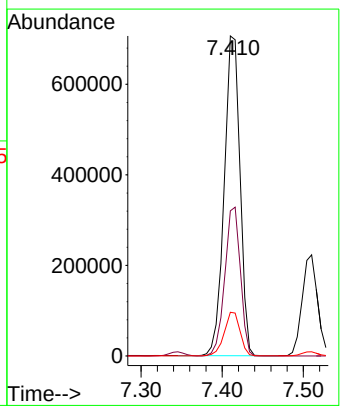


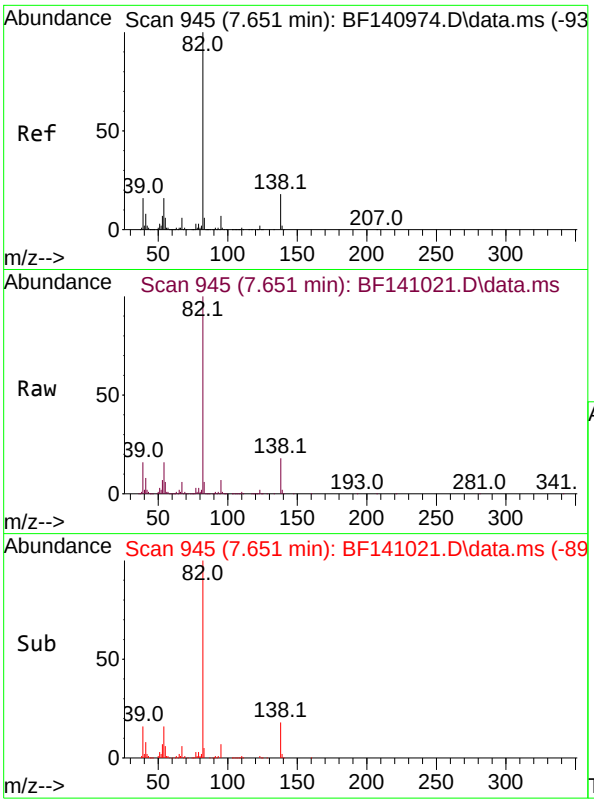


#24
Nitrobenzene
Concen: 51.716 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 77 Resp: 959427

Ion	Ratio	Lower	Upper
77	100		
123	45.4	35.4	53.2
65	13.6	10.7	16.1



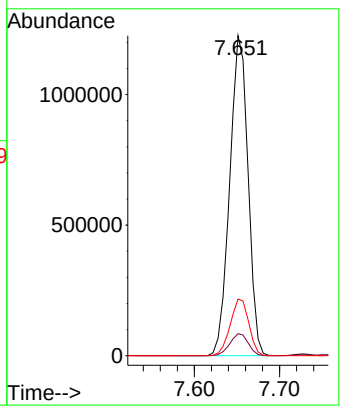


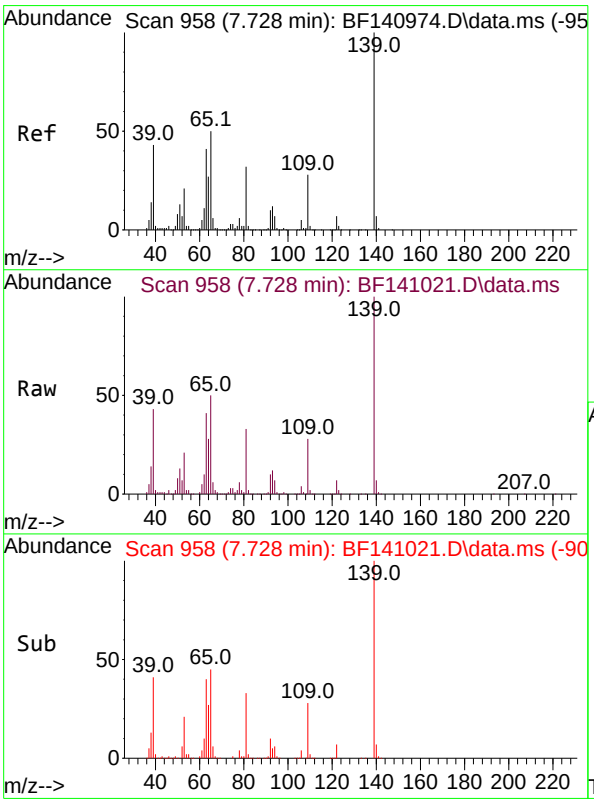
#25
Isophorone
Concen: 50.597 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 82 Resp: 1827974

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.6	8.4
138	17.7	14.6	21.8

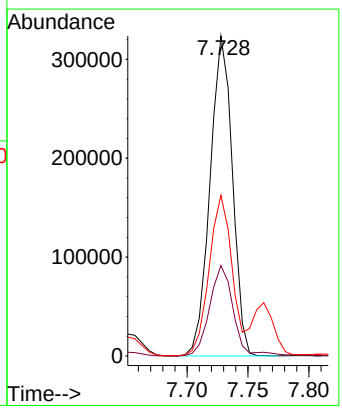


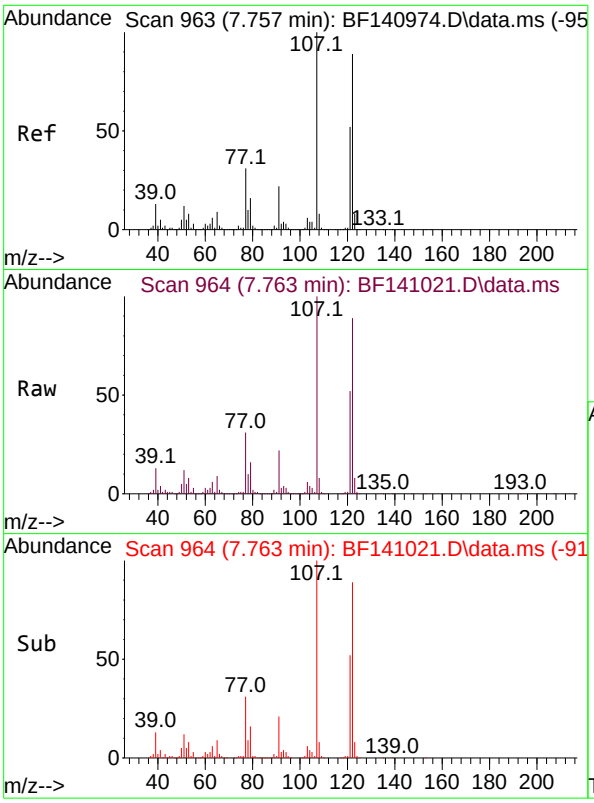


#26
2-Nitrophenol
Concen: 53.678 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:139 Resp: 413463

Ion	Ratio	Lower	Upper
139	100		
109	28.3	22.2	33.4
65	50.2	40.2	60.4



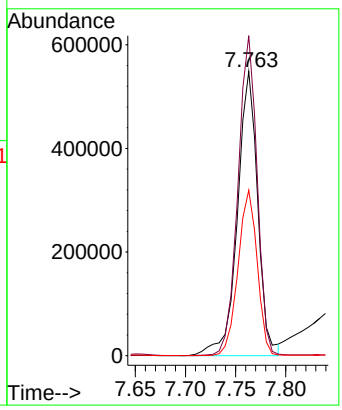


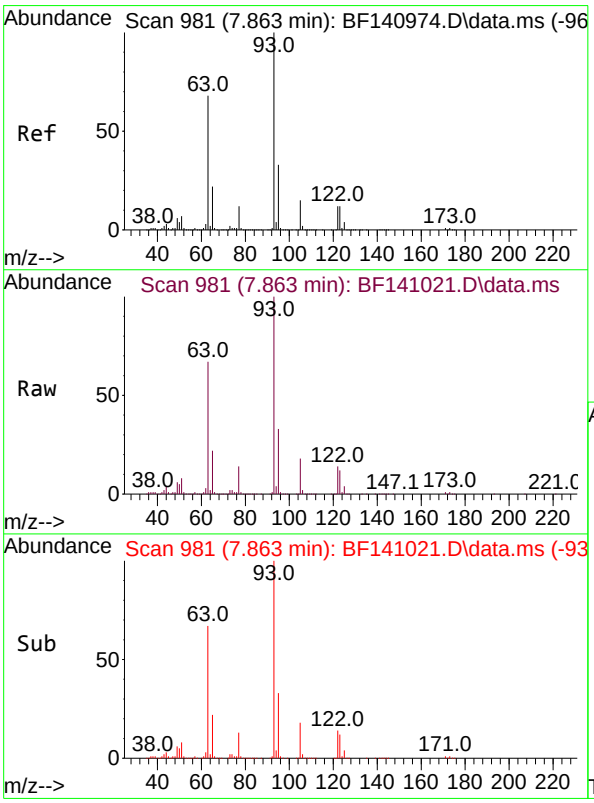
#27
2,4-Dimethylphenol
Concen: 58.615 ng
RT: 7.763 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:122 Resp: 773942

Ion	Ratio	Lower	Upper
122	100		
107	112.6	89.4	134.2
121	58.2	46.7	70.1

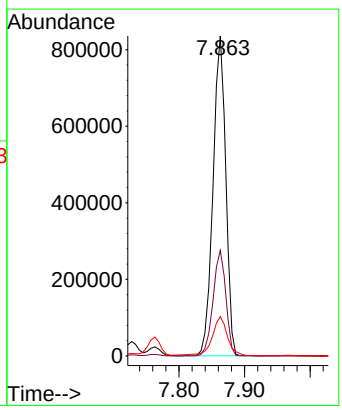


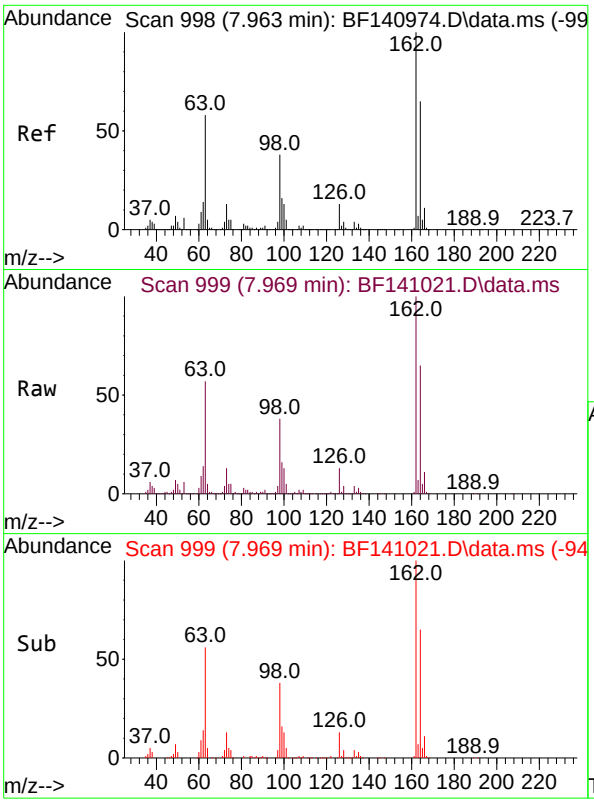


#28
bis(2-Chloroethoxy)methane
Concen: 49.099 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 93 Resp: 1123896

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.4
123	12.3	9.9	14.9



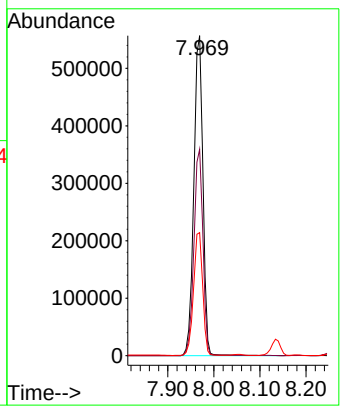


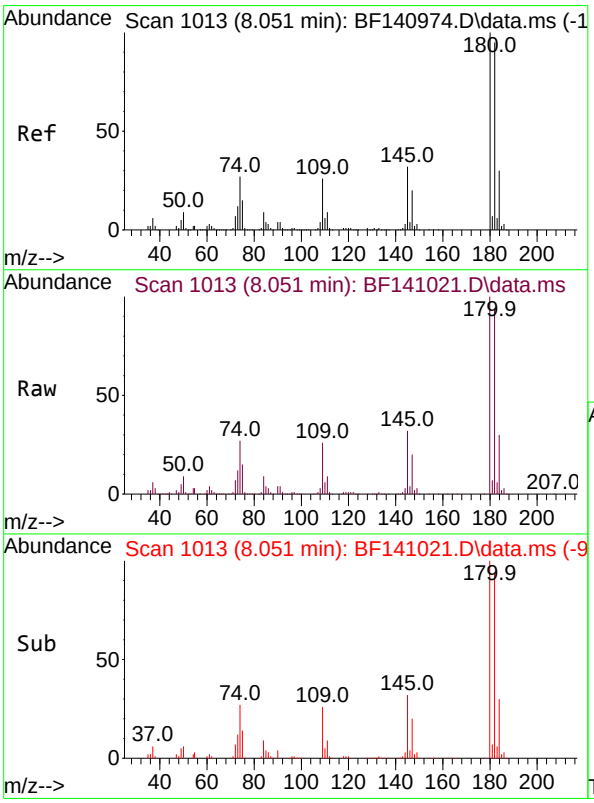
#29
2,4-Dichlorophenol
Concen: 50.745 ng
RT: 7.969 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:162 Resp: 759912

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.8	84.8
98	38.5	18.6	58.6

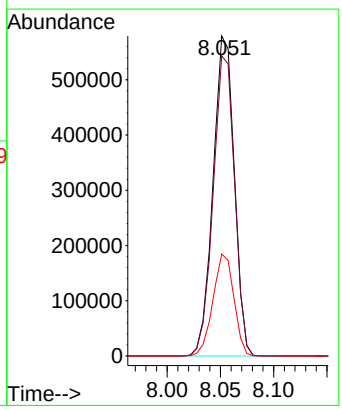


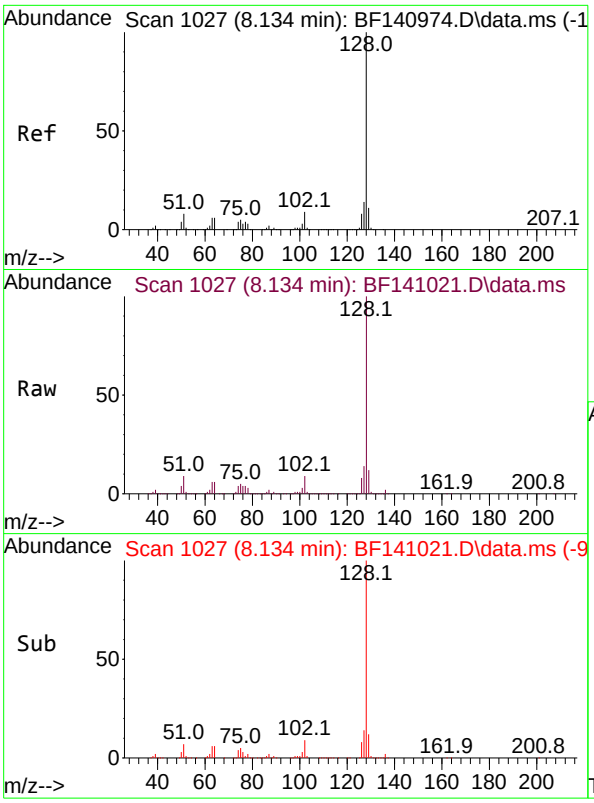


#30
1,2,4-Trichlorobenzene
Concen: 47.336 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:180 Resp: 802320

Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.2	114.4
145	31.9	25.4	38.2



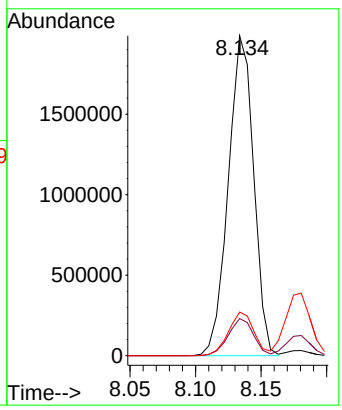


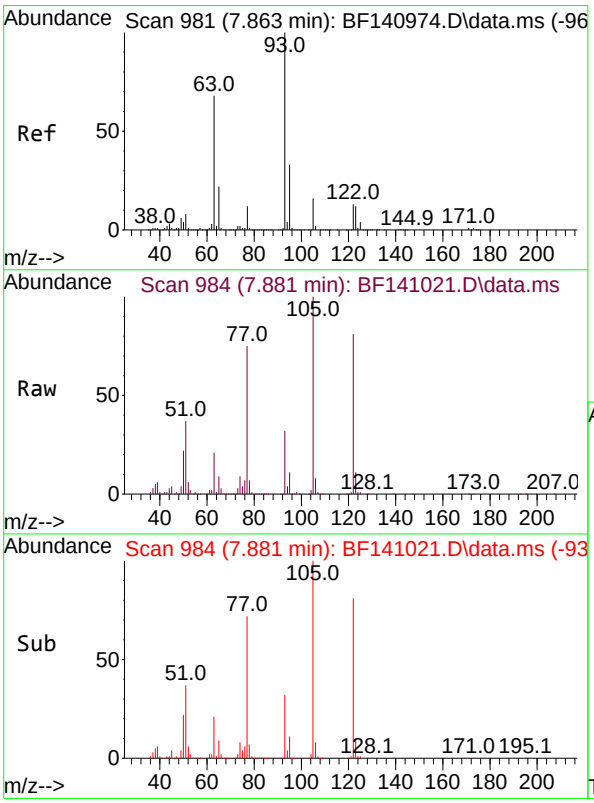
#31
Naphthalene
Concen: 47.871 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:128 Resp: 2679451

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.6	11.0	16.4

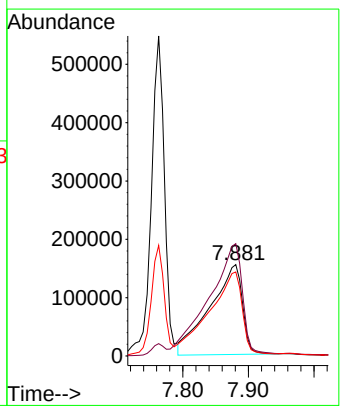


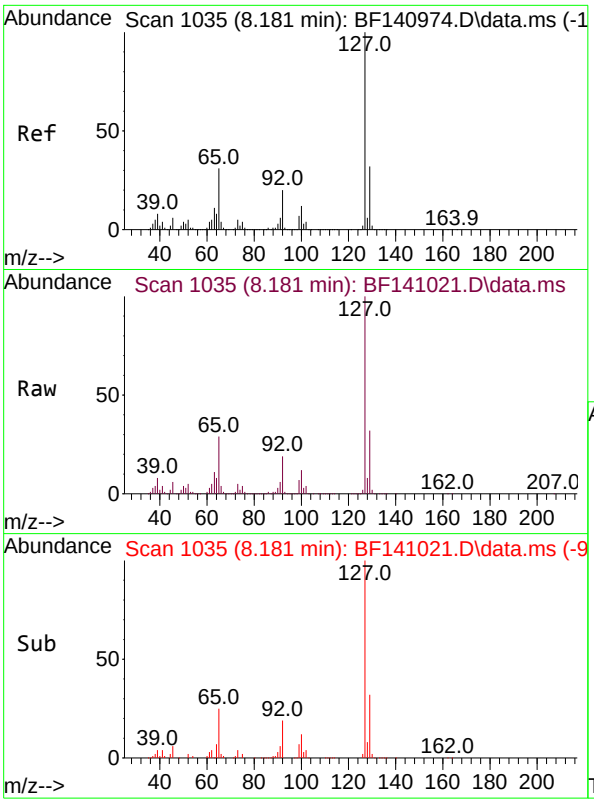


#32
Benzoic acid
Concen: 48.704 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.018 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:122 Resp: 530675

Ion	Ratio	Lower	Upper
122	100		
105	123.0	105.4	145.4
77	92.0	76.4	116.4



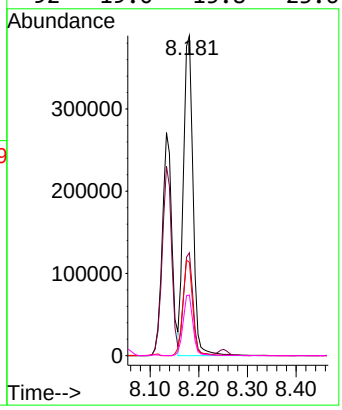


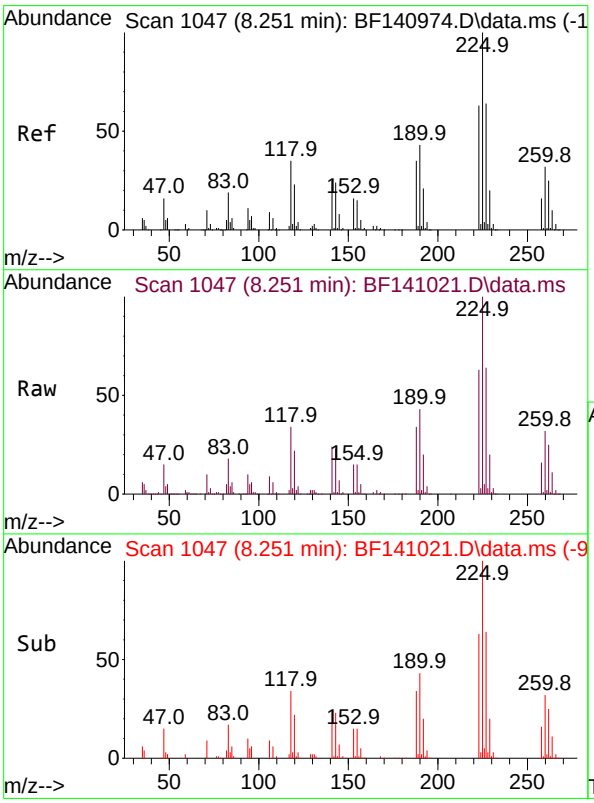
#33
4-Chloroaniline
Concen: 26.288 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:127 Resp: 532305

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	29.2	24.6	37.0
92	19.0	15.8	23.6

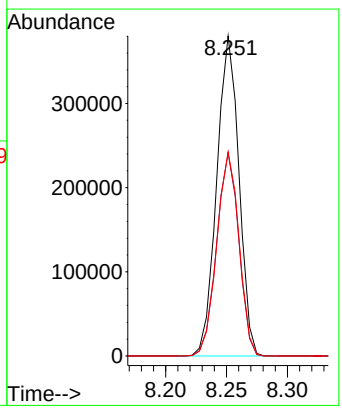


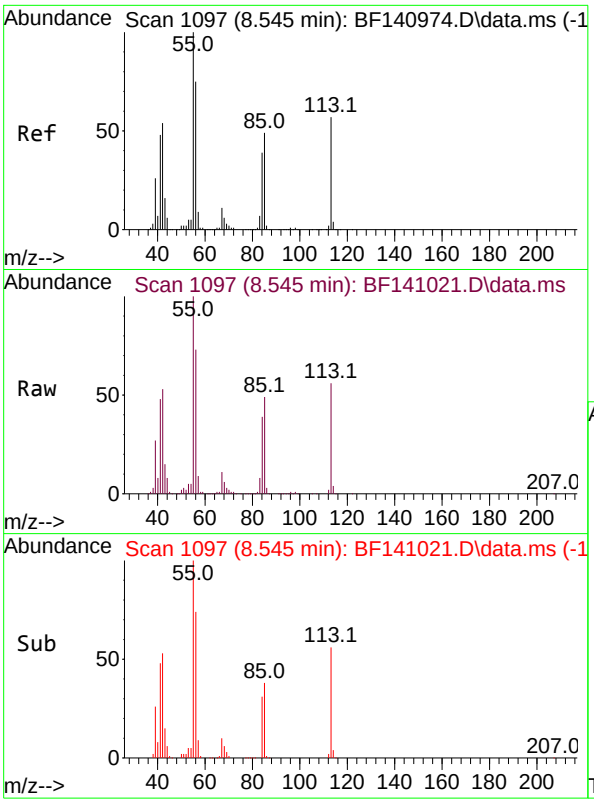


#34
Hexachlorobutadiene
Concen: 48.214 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:225 Resp: 481762

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.3	75.5
227	63.7	50.8	76.2



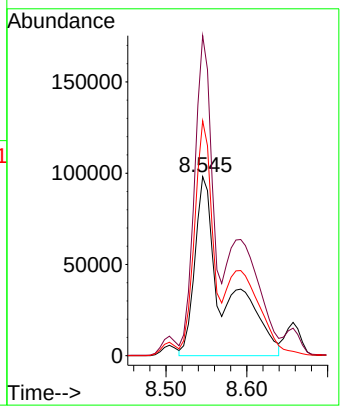


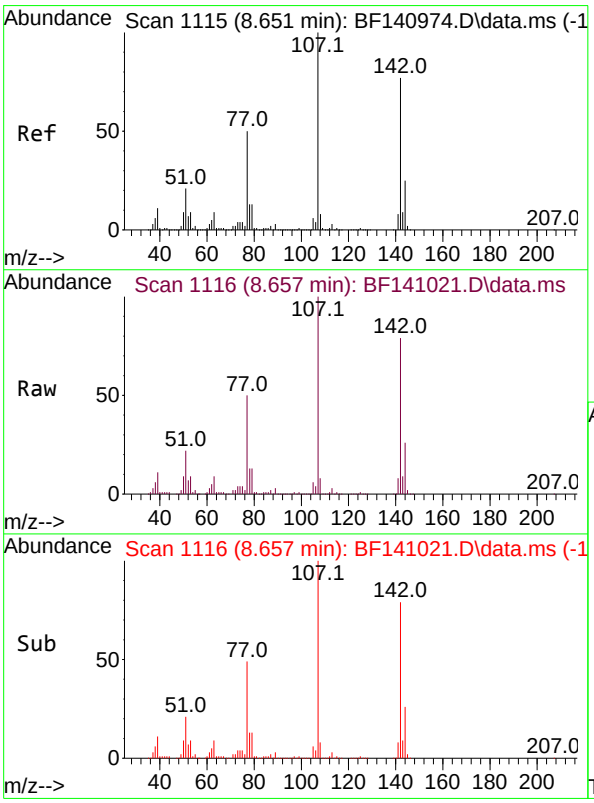
#35
Caprolactam
Concen: 49.850 ng m
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:113 Resp: 253782

Ion	Ratio	Lower	Upper
113	100		
55	178.7	156.6	196.6
56	131.2	111.7	151.7

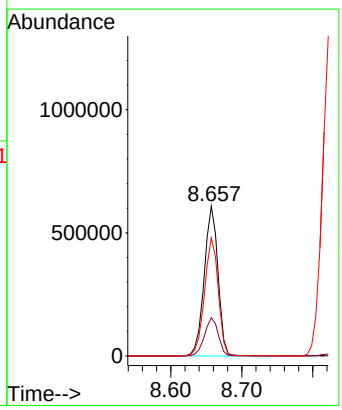


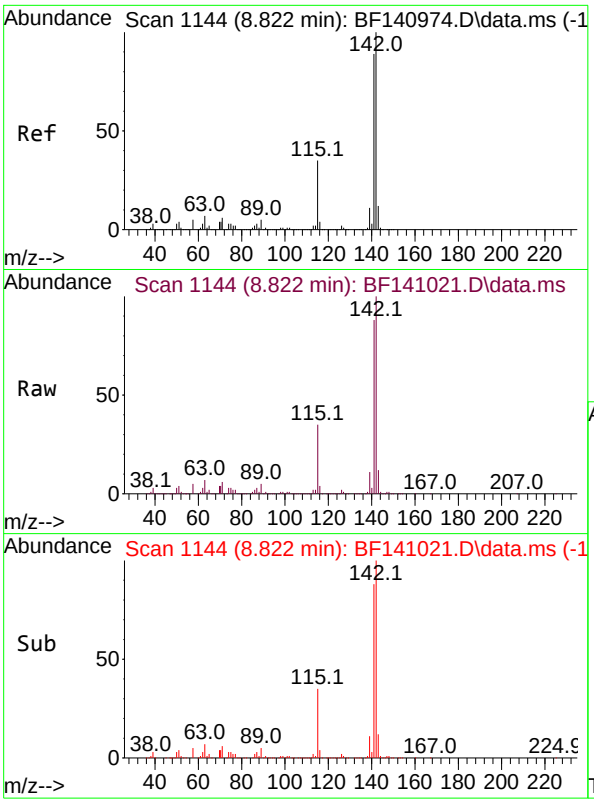


#36
4-Chloro-3-methylphenol
Concen: 49.402 ng
RT: 8.657 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:107 Resp: 821594

Ion	Ratio	Lower	Upper
107	100		
144	25.5	19.9	29.9
142	78.7	61.8	92.8



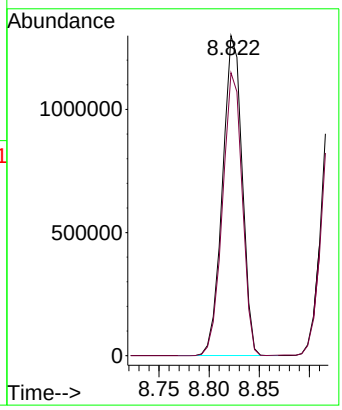


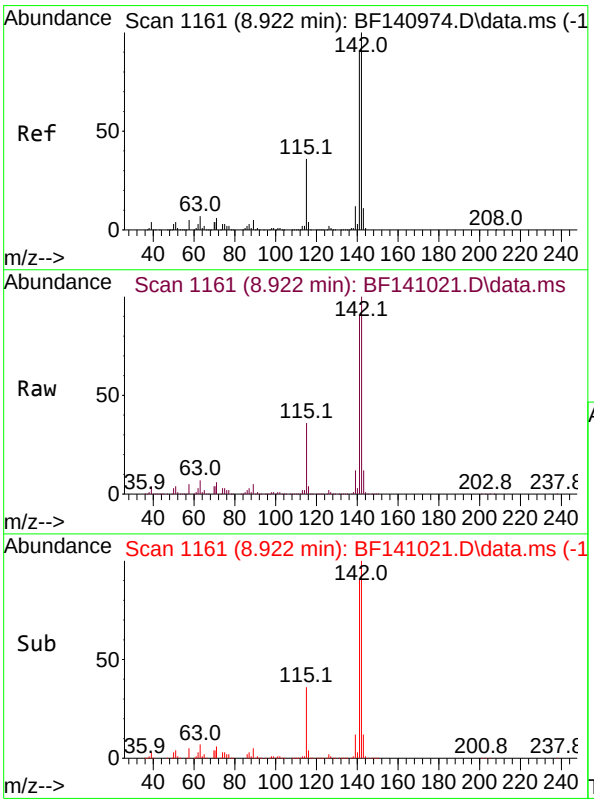
#37
2-Methylnaphthalene
Concen: 49.271 ng
RT: 8.822 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:142 Resp: 1764256

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.1	106.7

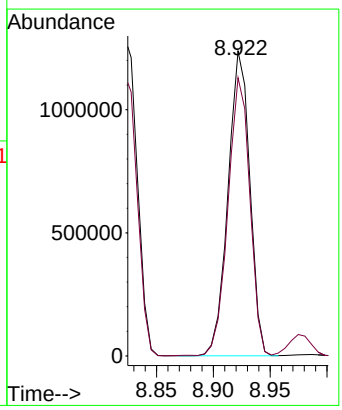


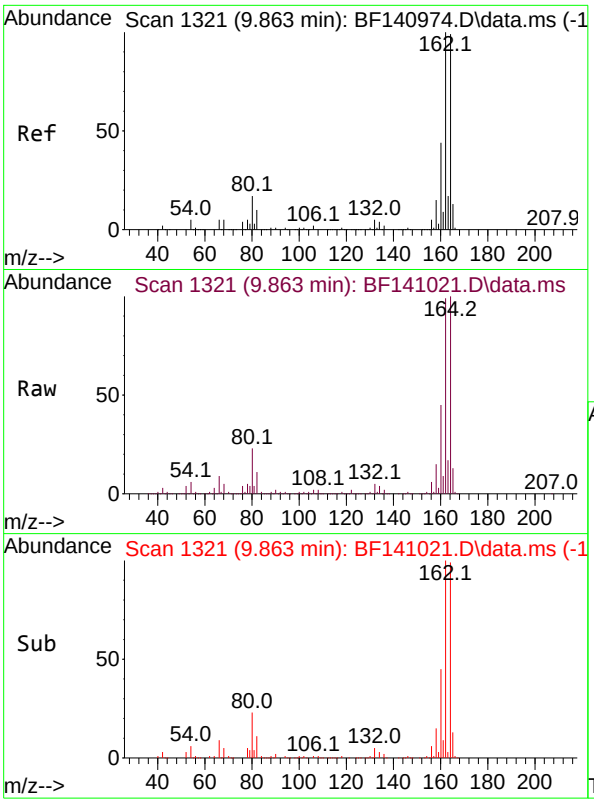


#38
1-Methylnaphthalene
Concen: 46.876 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:142 Resp: 1649595

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.7	109.1



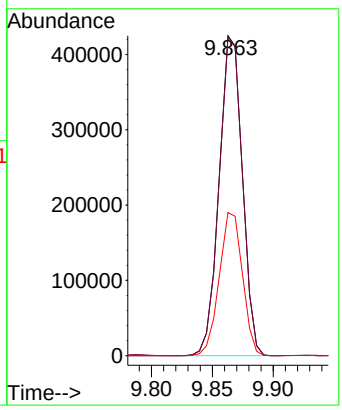


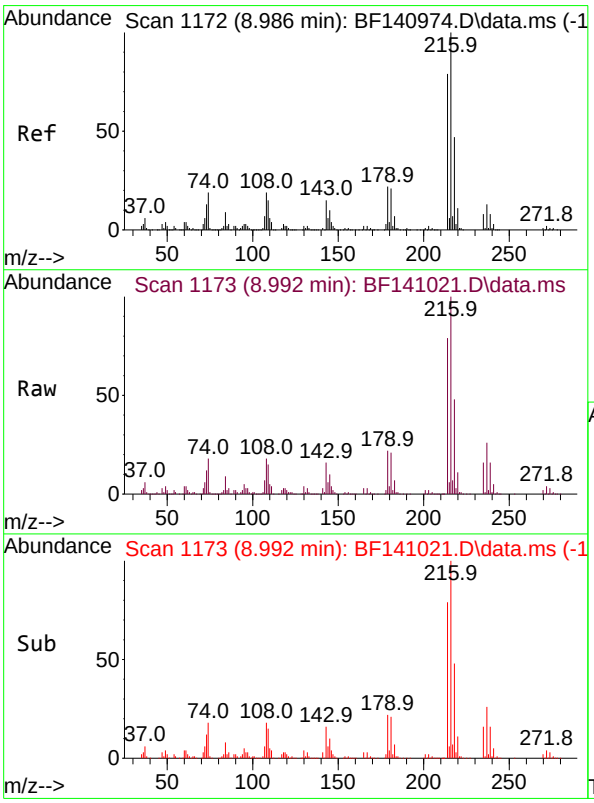
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:164 Resp: 563633

Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.6	120.8
160	44.8	35.7	53.5

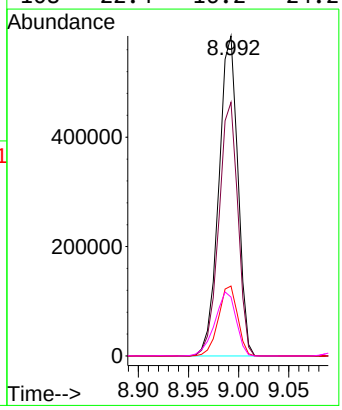


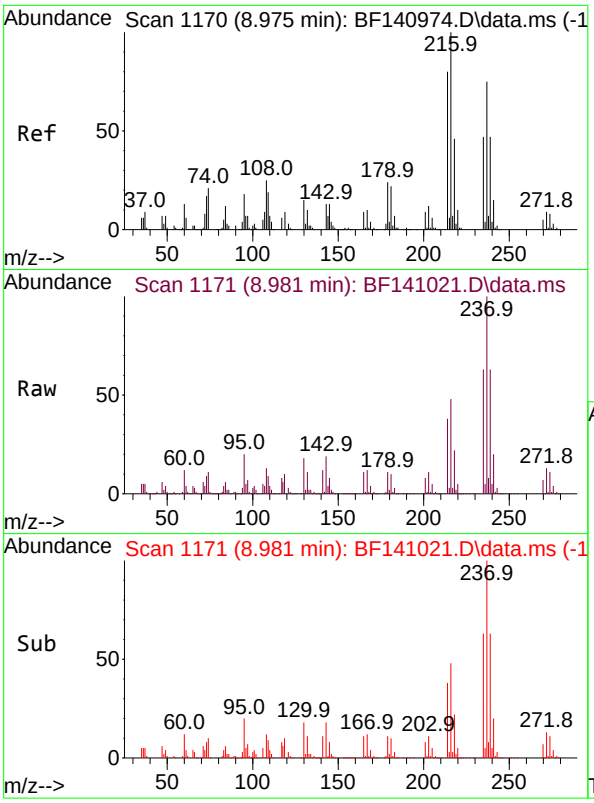


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.742 ng
RT: 8.992 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:216 Resp: 771312

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.6
179	22.0	17.9	26.9
108	22.4	16.2	24.2



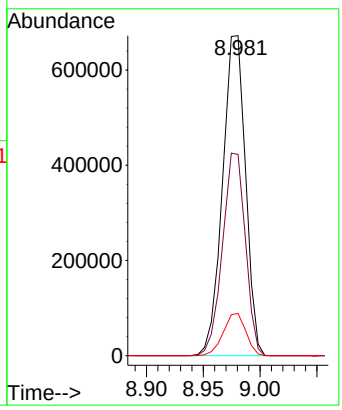


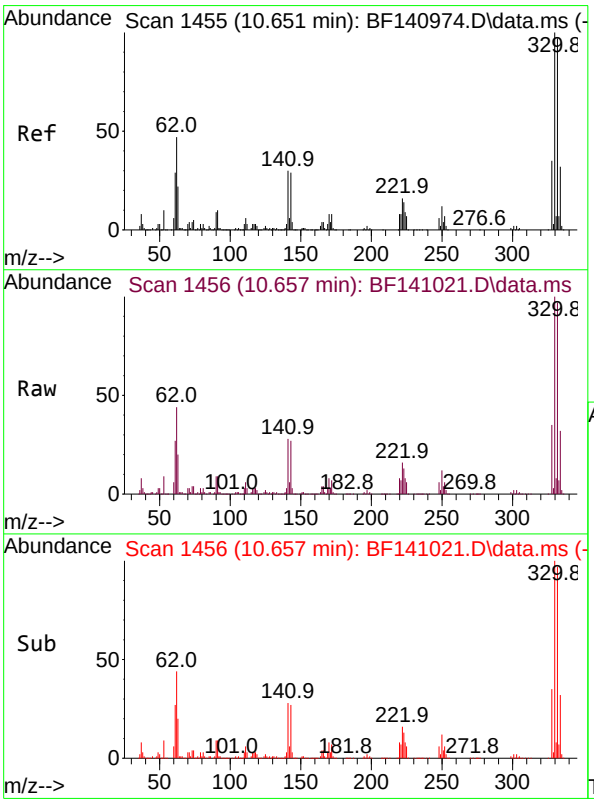
#41
Hexachlorocyclopentadiene
Concen: 184.288 ng
RT: 8.981 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:237 Resp: 946981

Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.4	83.4
272	13.2	0.0	32.6

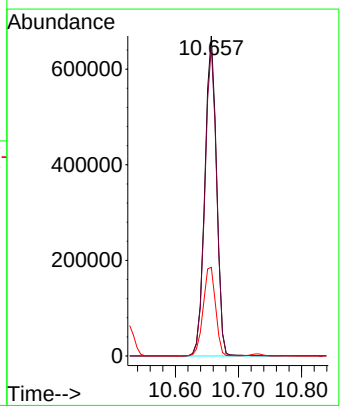


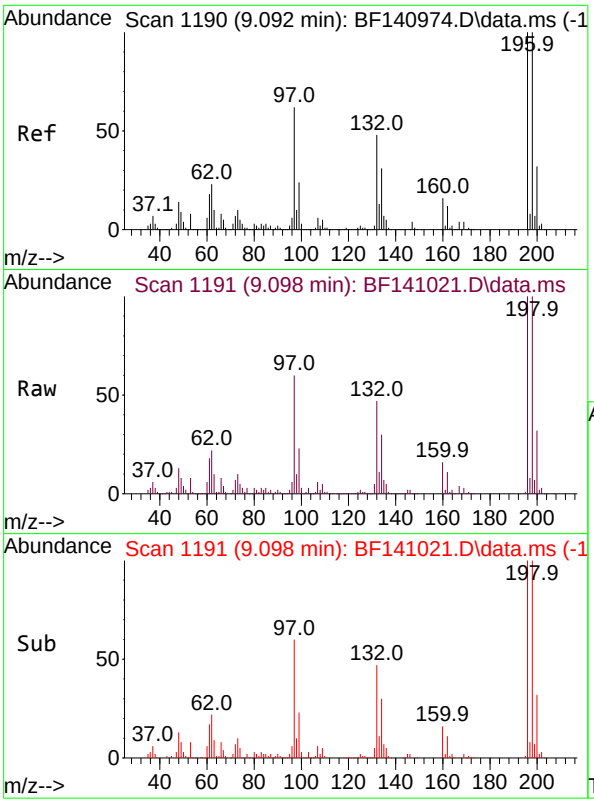


#42
2,4,6-Tribromophenol
Concen: 157.623 ng
RT: 10.657 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:330 Resp: 863281

Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.0	117.0
141	29.5	26.4	39.6



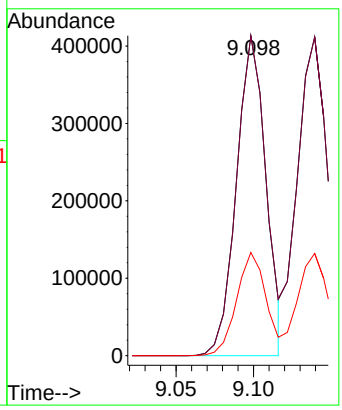


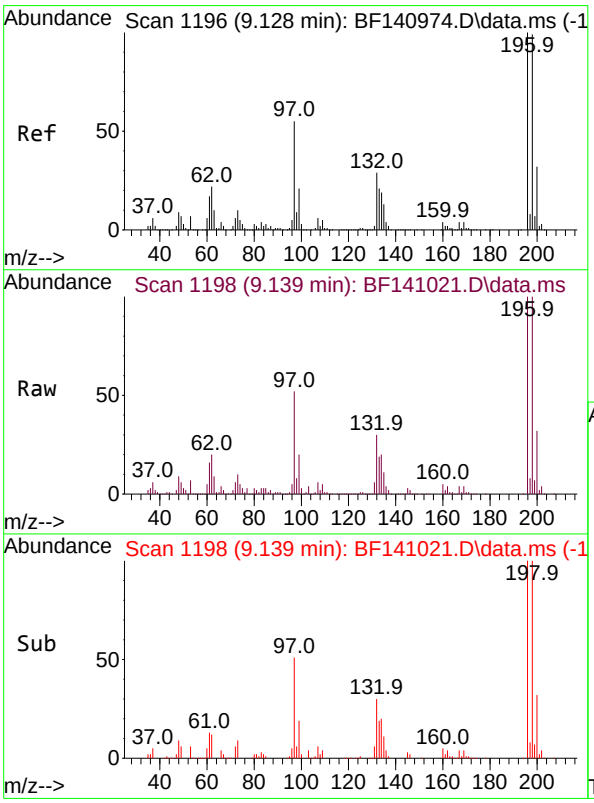
#43
2,4,6-Trichlorophenol
Concen: 52.888 ng
RT: 9.098 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:196 Resp: 545815

Ion	Ratio	Lower	Upper
196	100		
198	99.9	80.2	120.4
200	32.2	25.8	38.6

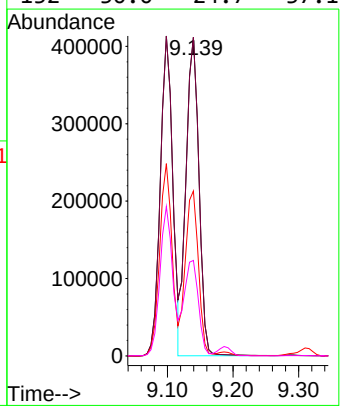


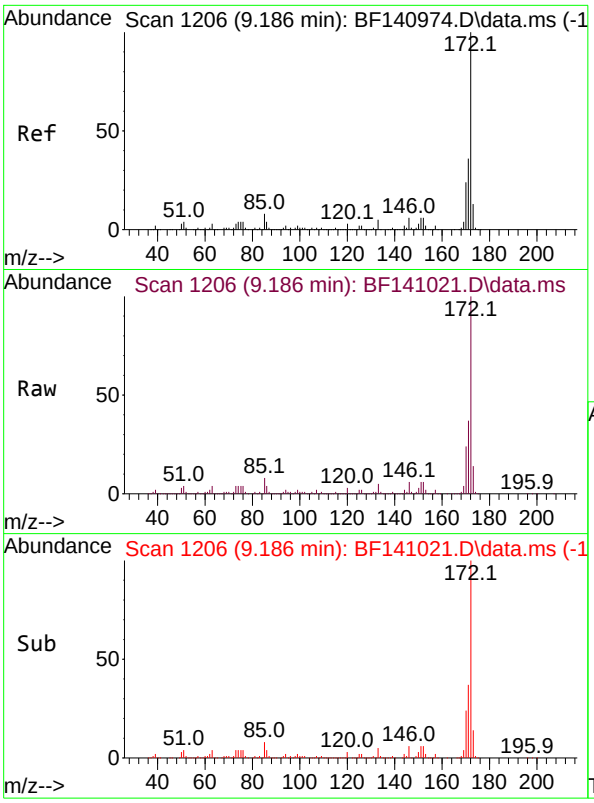


#44
2,4,5-Trichlorophenol
Concen: 53.400 ng
RT: 9.139 min Scan# 1198
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:196 Resp: 563885

Ion	Ratio	Lower	Upper
196	100		
198	99.9	79.9	119.9
97	51.8	44.3	66.5
132	30.0	24.7	37.1



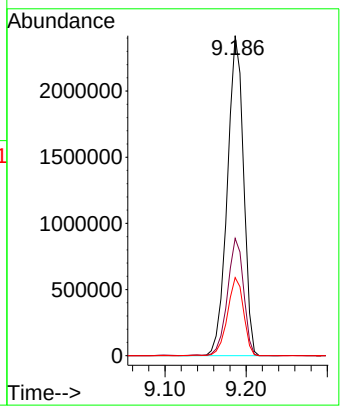


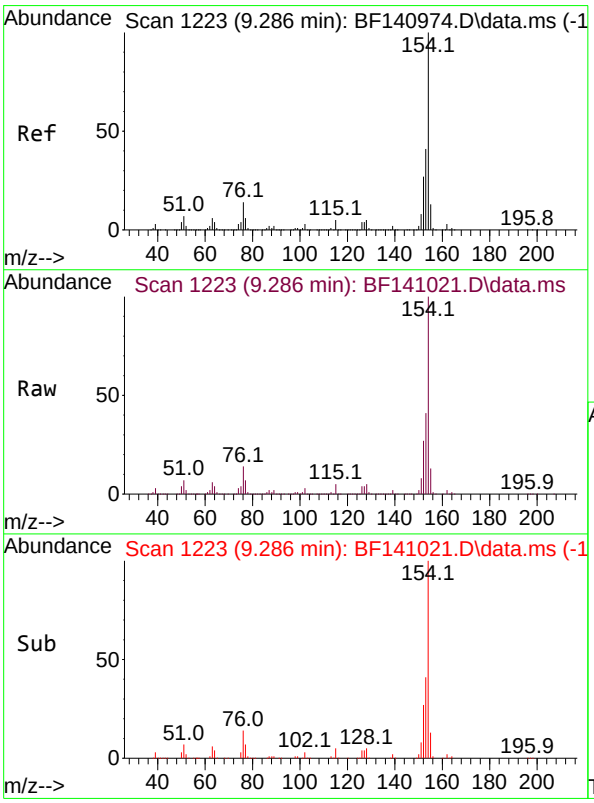
#45
2-Fluorobiphenyl
Concen: 94.811 ng
RT: 9.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:172 Resp: 3354071

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.0	43.4
170	24.4	19.6	29.4

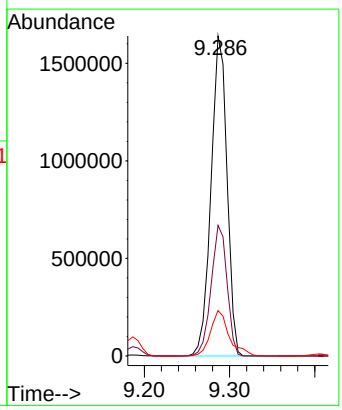


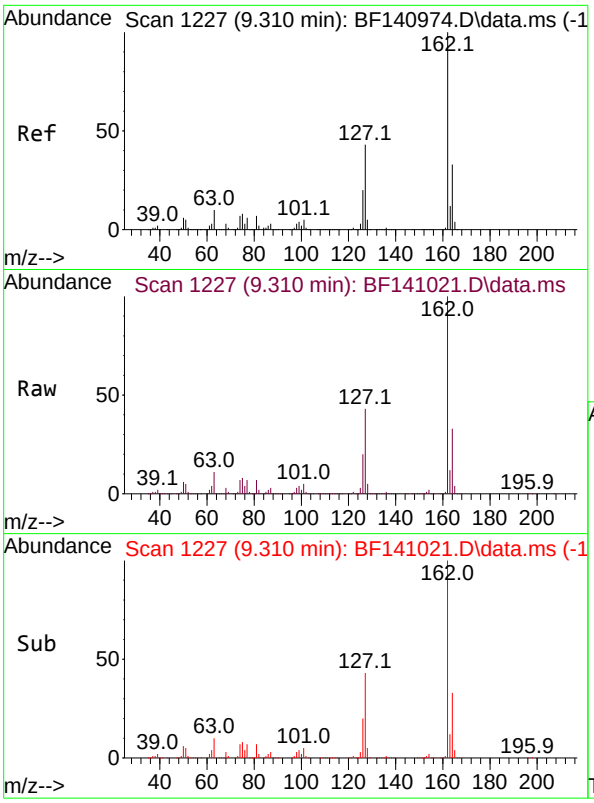


#46
1,1'-Biphenyl
Concen: 49.635 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:154 Resp: 2142081

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.9	60.9
76	14.2	0.0	34.0



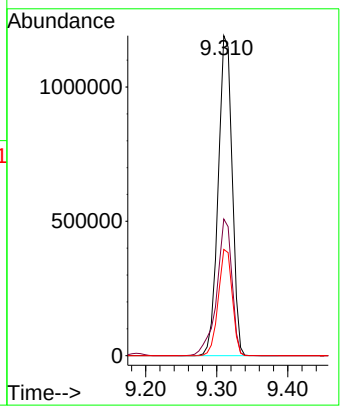


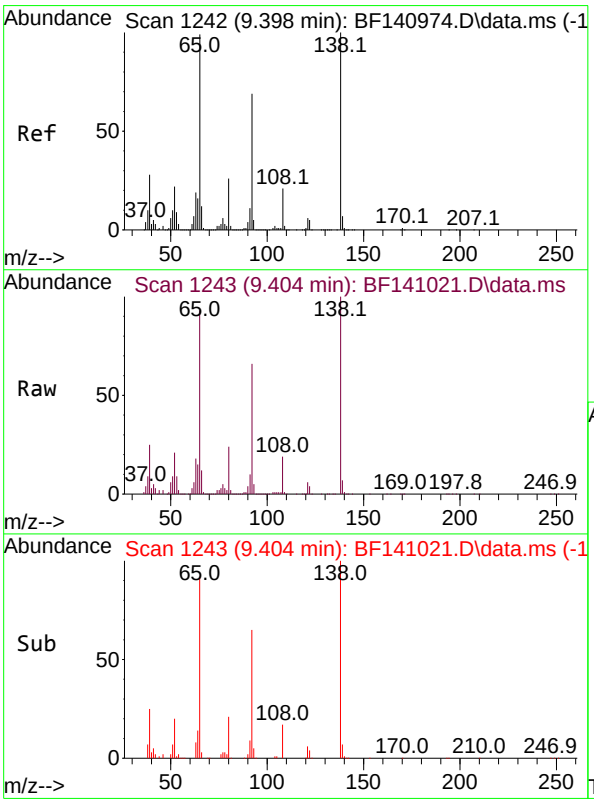
#47
2-Chloronaphthalene
Concen: 48.245 ng
RT: 9.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:162 Resp: 1614810

Ion	Ratio	Lower	Upper
162	100		
127	42.7	34.2	51.4
164	33.2	26.6	40.0

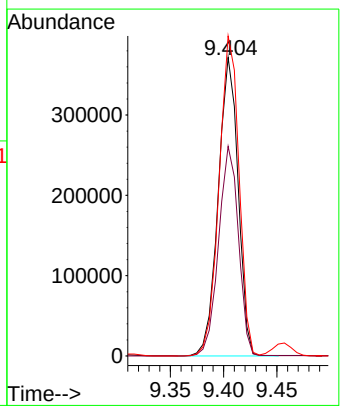


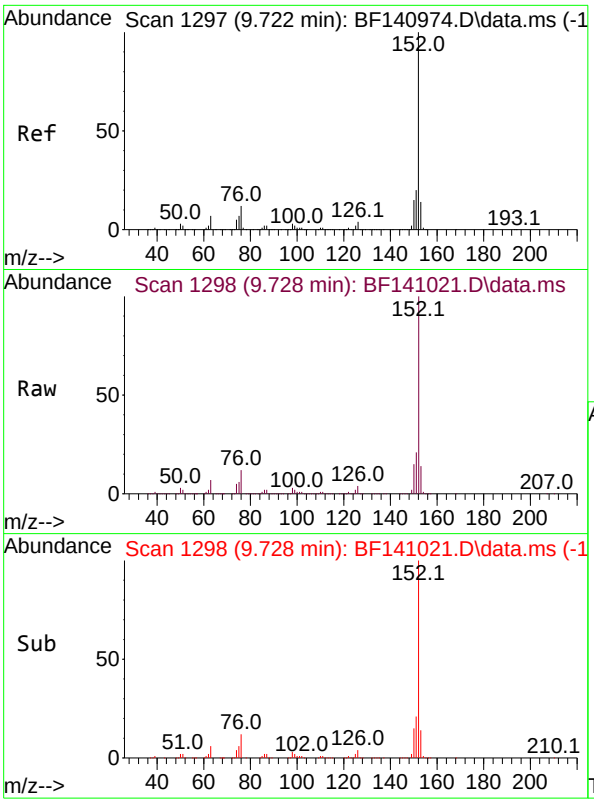


#48
2-Nitroaniline
Concen: 54.432 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 65 Resp: 482653

Ion	Ratio	Lower	Upper
65	100		
92	70.2	55.6	83.4
138	107.2	80.5	120.7



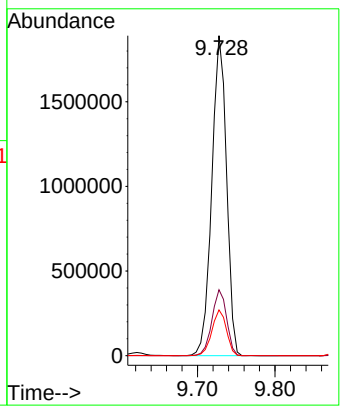


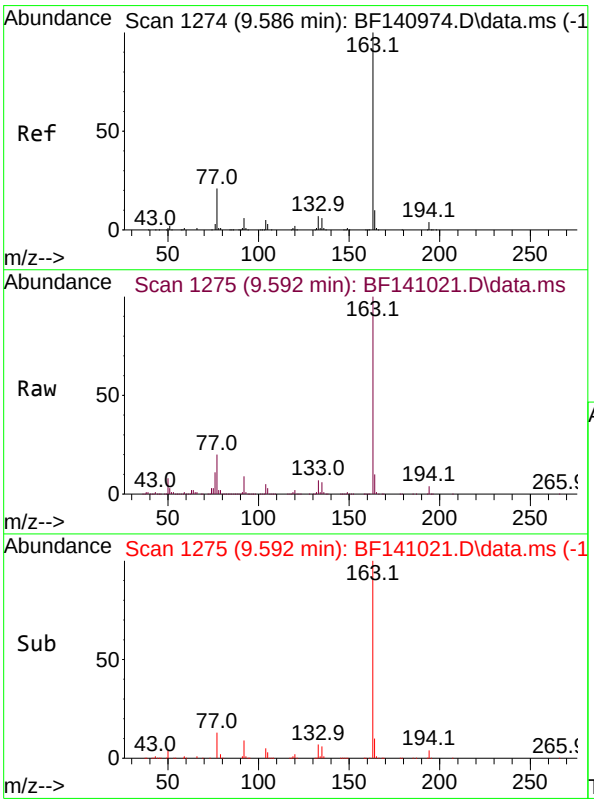
#49
Acenaphthylene
Concen: 51.689 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:152 Resp: 2490576

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4
153	14.3	11.4	17.0

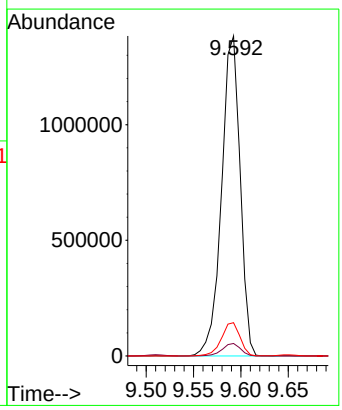


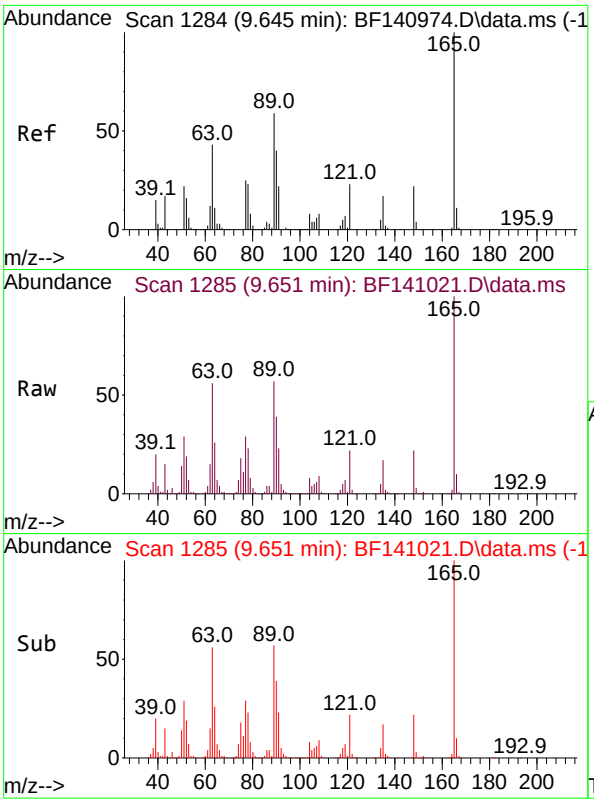


#50
Dimethylphthalate
Concen: 50.969 ng
RT: 9.592 min Scan# 1275
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:163 Resp: 1889611

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.3	12.5



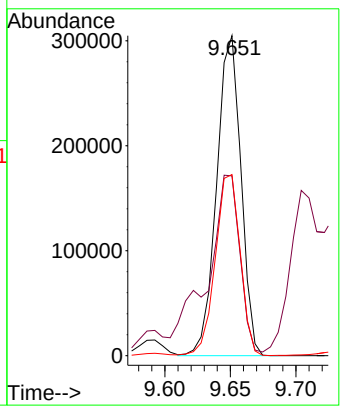


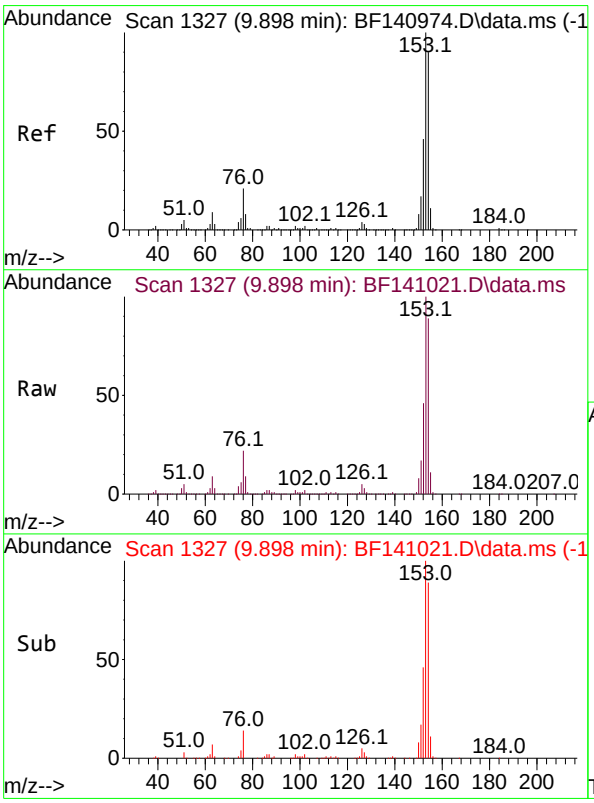
#51
2,6-Dinitrotoluene
Concen: 51.656 ng
RT: 9.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:165 Resp: 392834

Ion	Ratio	Lower	Upper
165	100		
63	56.2	47.1	70.7
89	56.6	47.0	70.4

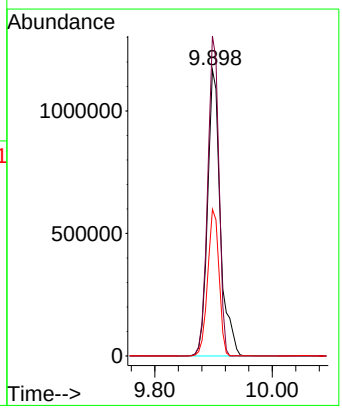


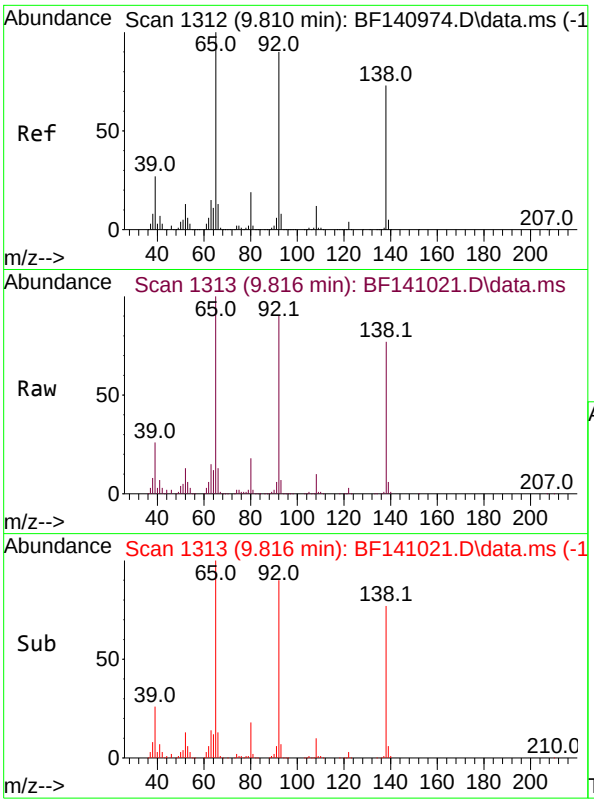


#52
Acenaphthene
Concen: 53.990 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:154 Resp: 1758675

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.2	133.8
152	51.3	40.9	61.3



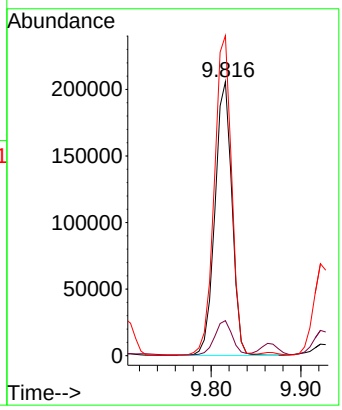


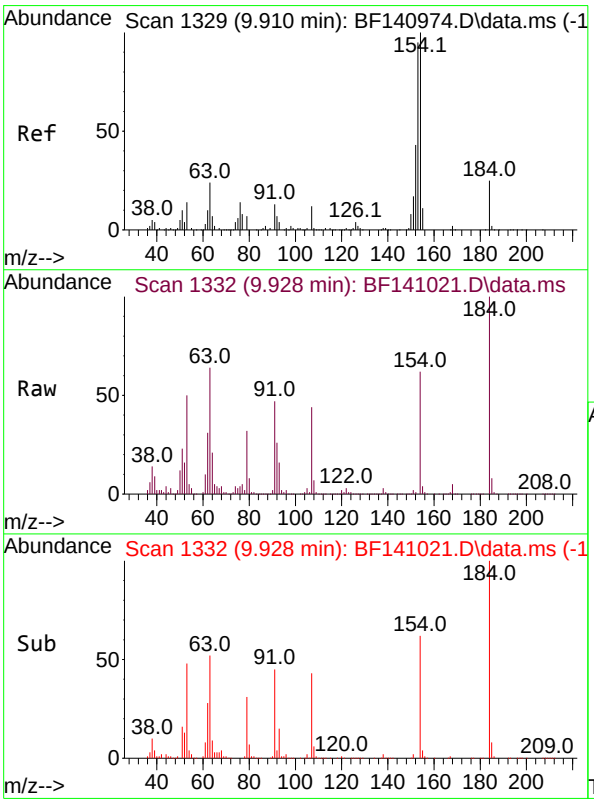
#53
3-Nitroaniline
Concen: 33.872 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:138 Resp: 270023

Ion	Ratio	Lower	Upper
138	100		
108	12.8	13.5	20.3#
92	116.8	97.7	146.5

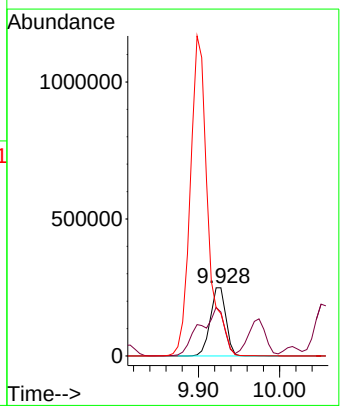


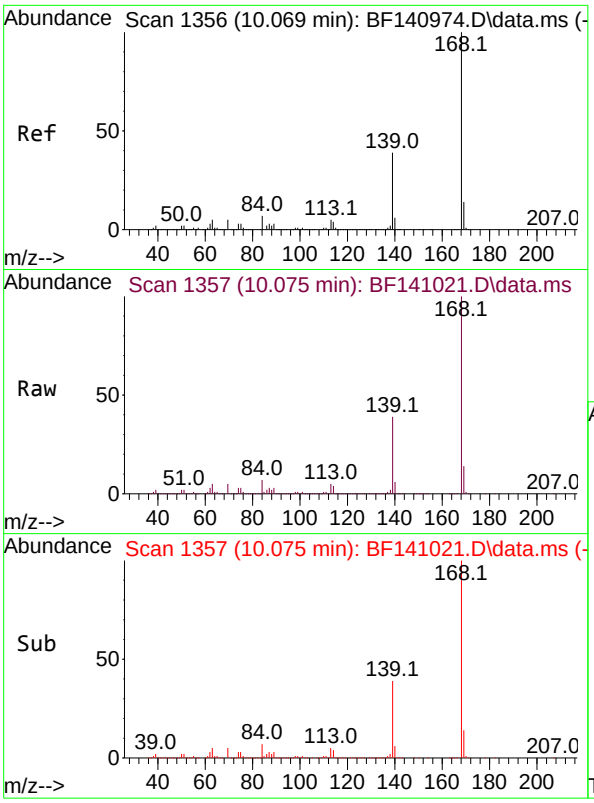


#54
2,4-Dinitrophenol
Concen: 99.313 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.018 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:184 Resp: 332519

Ion	Ratio	Lower	Upper
184	100		
63	64.4	81.6	122.4#
154	62.1	363.5	545.3#



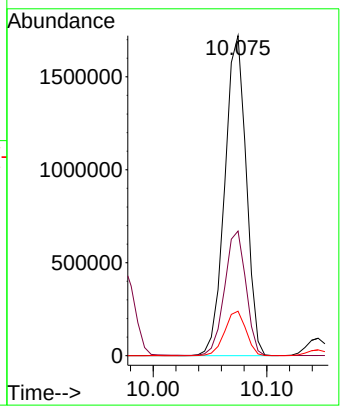


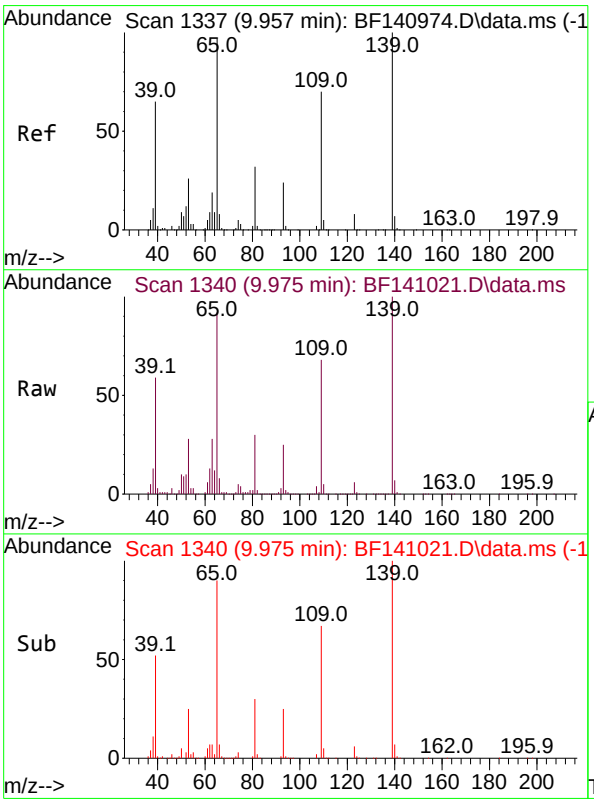
#55
Dibenzofuran
Concen: 49.180 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:168 Resp: 2251400

Ion	Ratio	Lower	Upper
168	100		
139	38.9	31.6	47.4
169	13.9	11.0	16.6

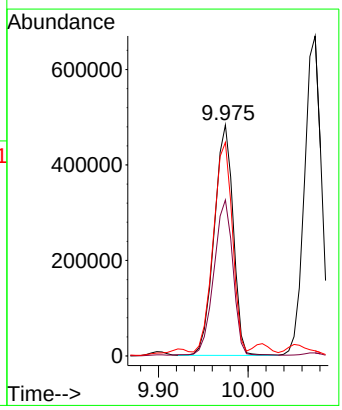


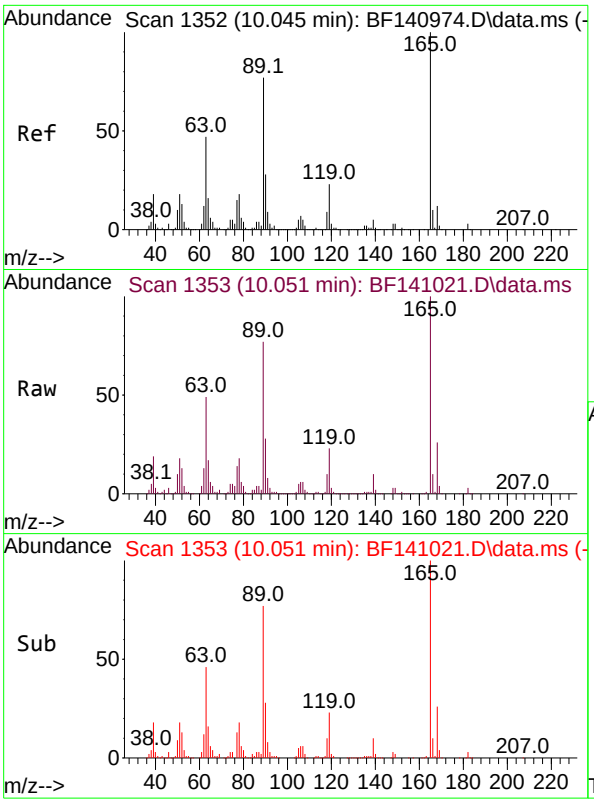


#56
4-Nitrophenol
Concen: 111.872 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.018 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:139 Resp: 709465

Ion	Ratio	Lower	Upper
139	100		
109	67.5	50.8	90.8
65	92.5	78.5	118.5



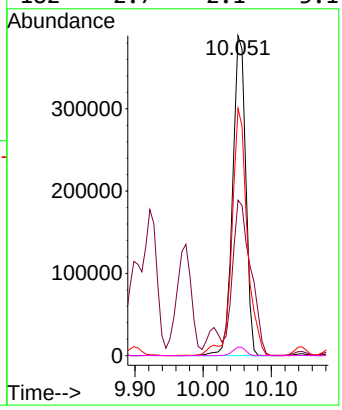


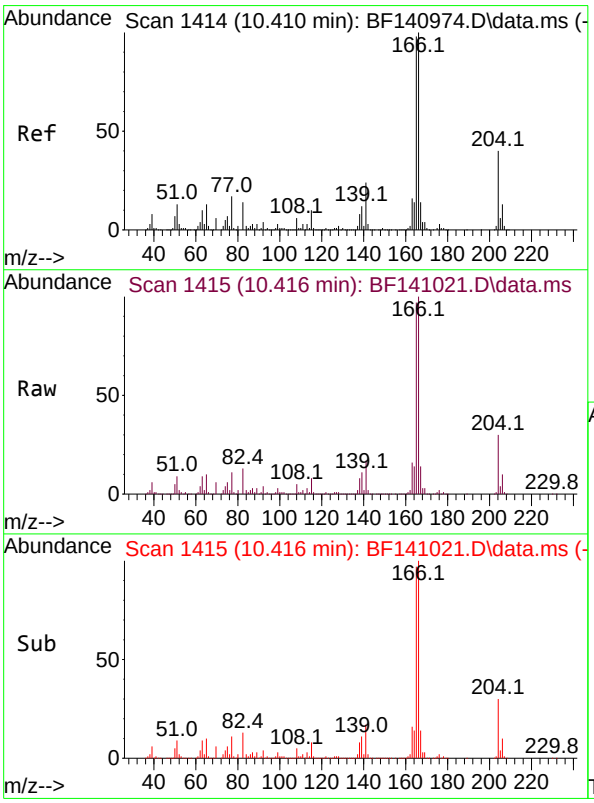
#57
2,4-Dinitrotoluene
Concen: 55.370 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:165 Resp: 519335

Ion	Ratio	Lower	Upper
165	100		
63	48.6	38.1	57.1
89	77.2	61.4	92.2
182	2.7	2.1	3.1

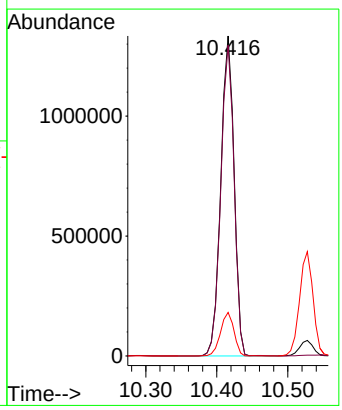


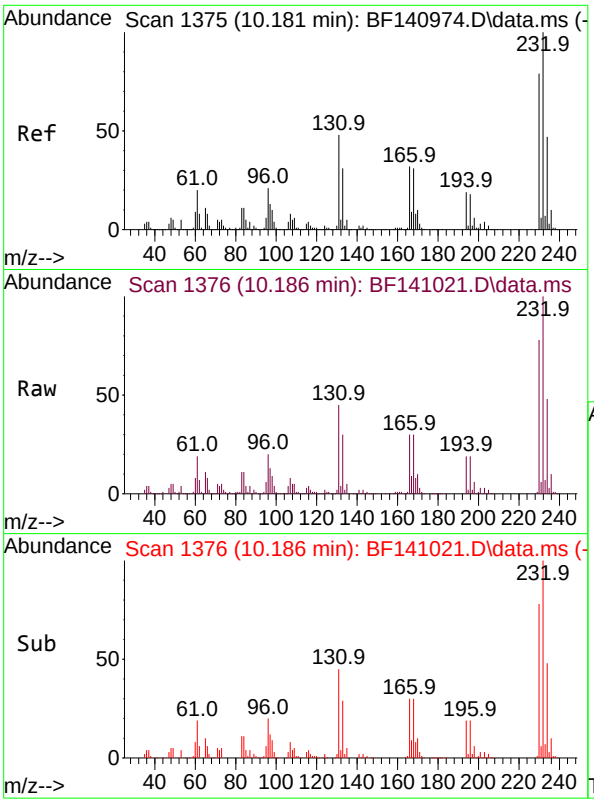


#58
Fluorene
Concen: 48.699 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:166 Resp: 1728750

Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.3	117.5
167	13.6	10.9	16.3



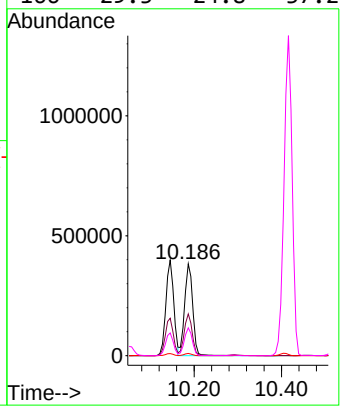


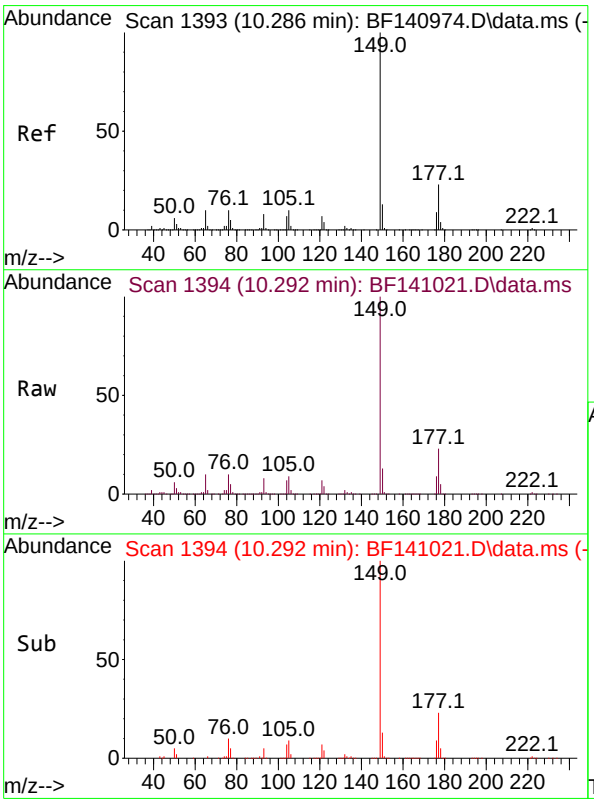
#59
2,3,4,6-Tetrachlorophenol
Concen: 55.943 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:232 Resp: 489241

Ion	Ratio	Lower	Upper
232	100		
131	44.5	37.4	56.2
130	2.3	1.8	2.8
166	29.3	24.8	37.2

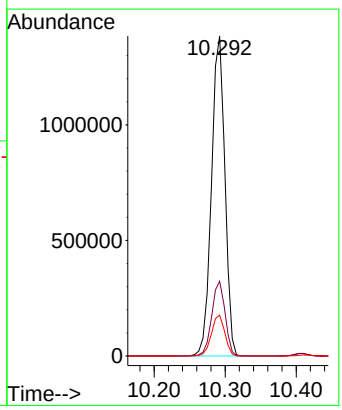


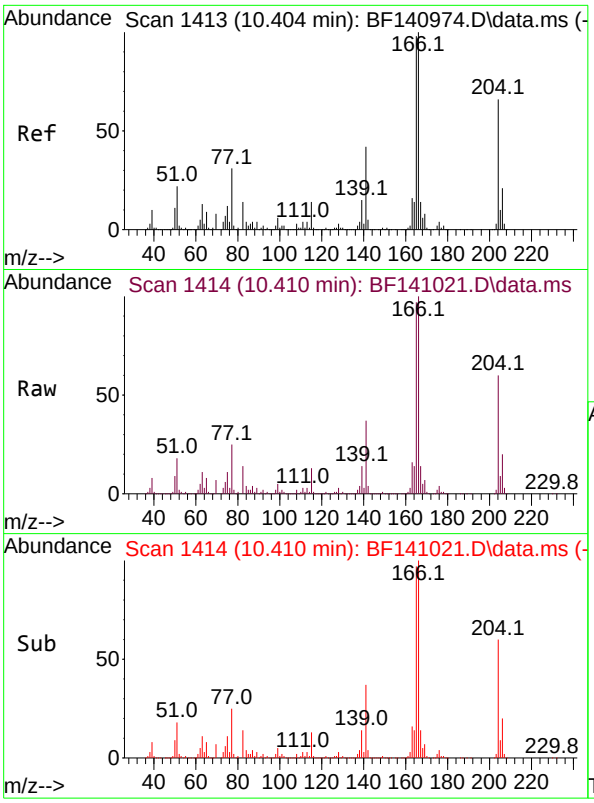


#60
Diethylphthalate
Concen: 49.607 ng
RT: 10.292 min Scan# 1394
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:149 Resp: 1815649

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.3	27.5
150	12.7	10.4	15.6



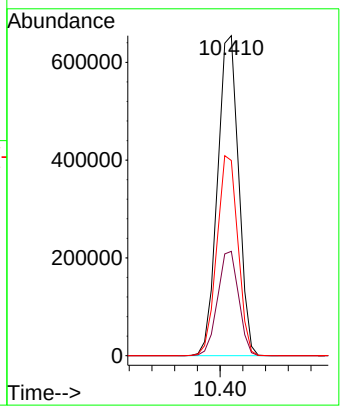


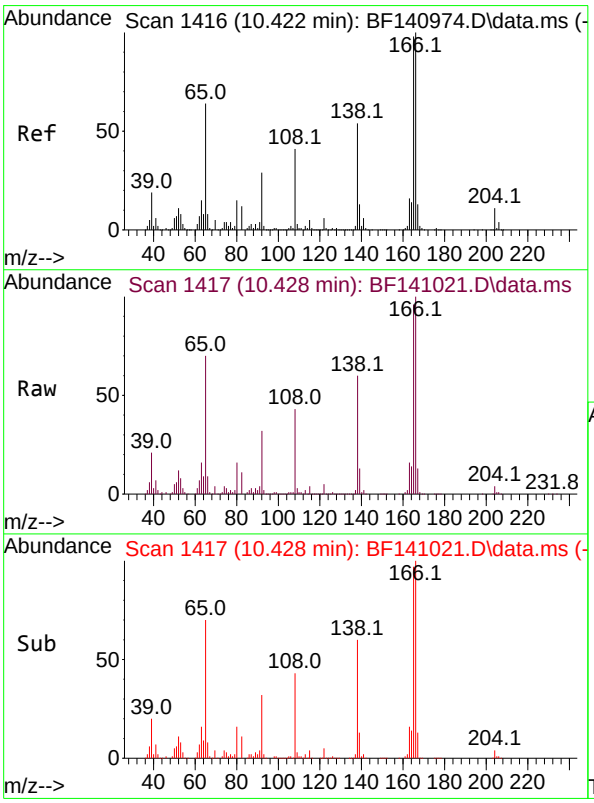
#61
4-Chlorophenyl-phenylether
Concen: 49.422 ng
RT: 10.410 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:204 Resp: 844190

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.6
141	61.0	51.2	76.8

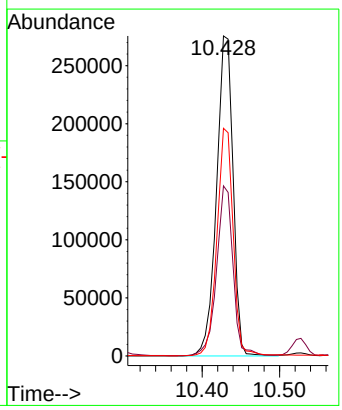


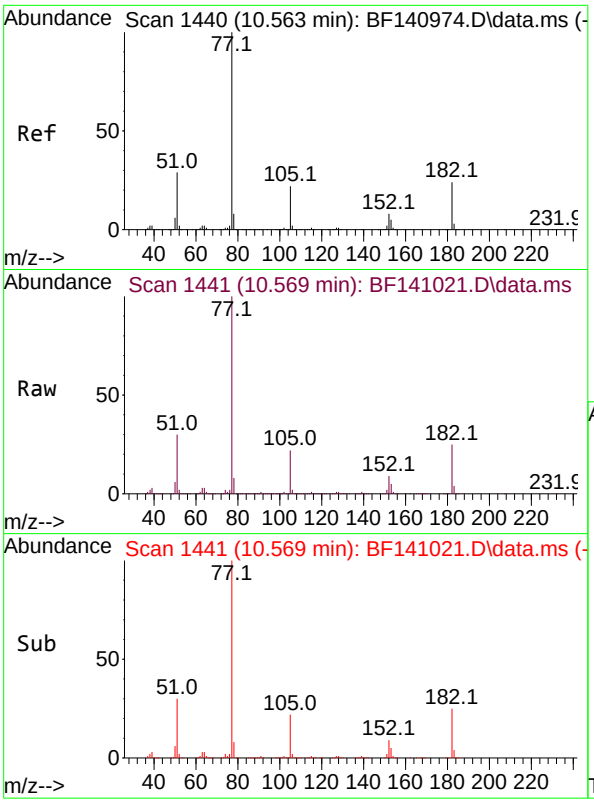


#62
4-Nitroaniline
Concen: 49.758 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:138 Resp: 409804

Ion	Ratio	Lower	Upper
138	100		
92	53.2	34.8	74.8
108	71.2	55.9	95.9



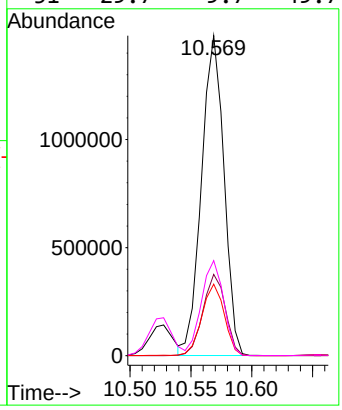


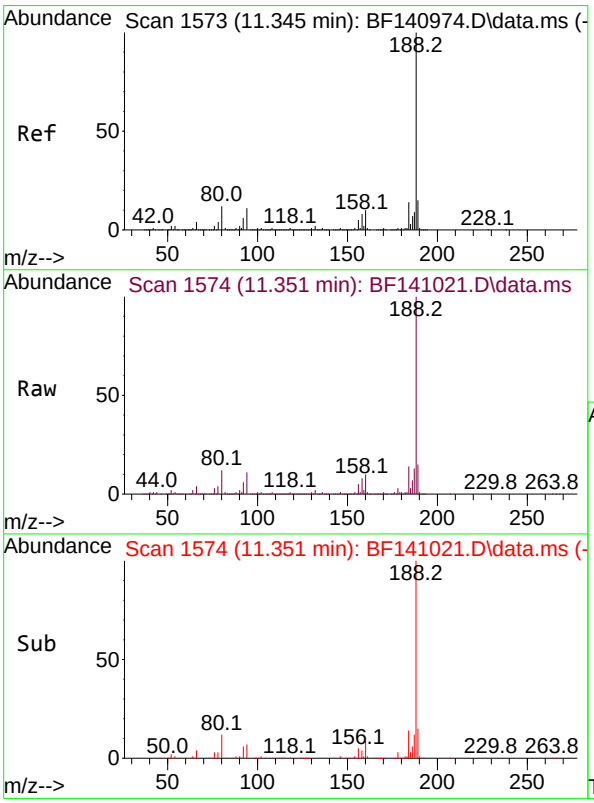
#63
Azobenzene
Concen: 49.369 ng
RT: 10.569 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 77 Resp: 1896588

Ion	Ratio	Lower	Upper
77	100		
182	25.4	4.1	44.1
105	22.3	1.8	41.8
51	29.7	9.7	49.7

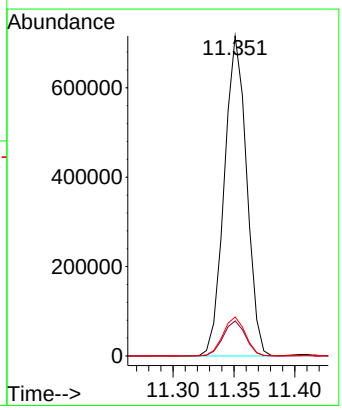


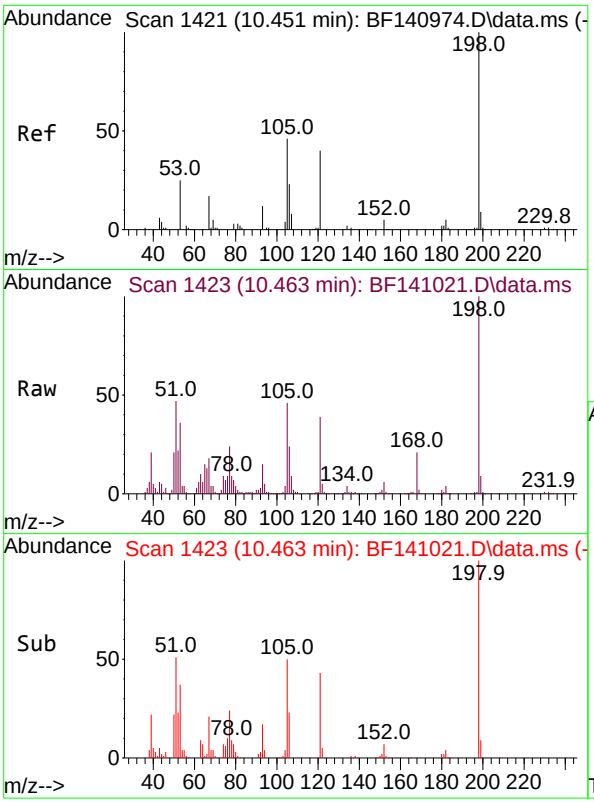


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:188 Resp: 910683

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.0	13.6
80	12.2	9.8	14.6



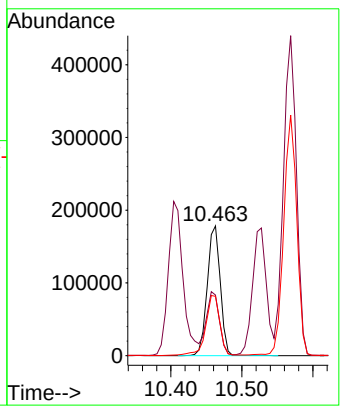


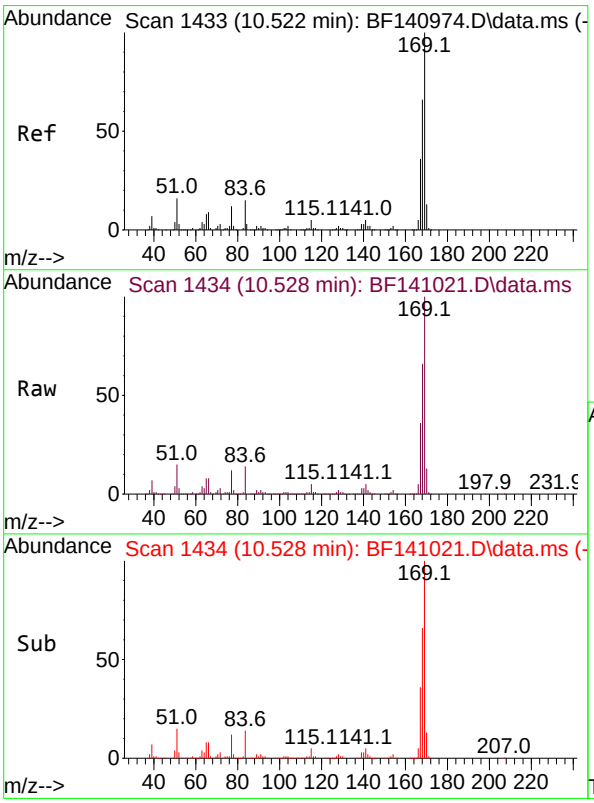
#65
4,6-Dinitro-2-methylphenol
Concen: 59.869 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:198 Resp: 227800

Ion	Ratio	Lower	Upper
198	100		
51	46.7	32.3	72.3
105	45.7	28.4	68.4

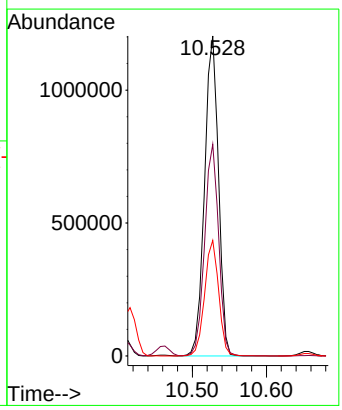


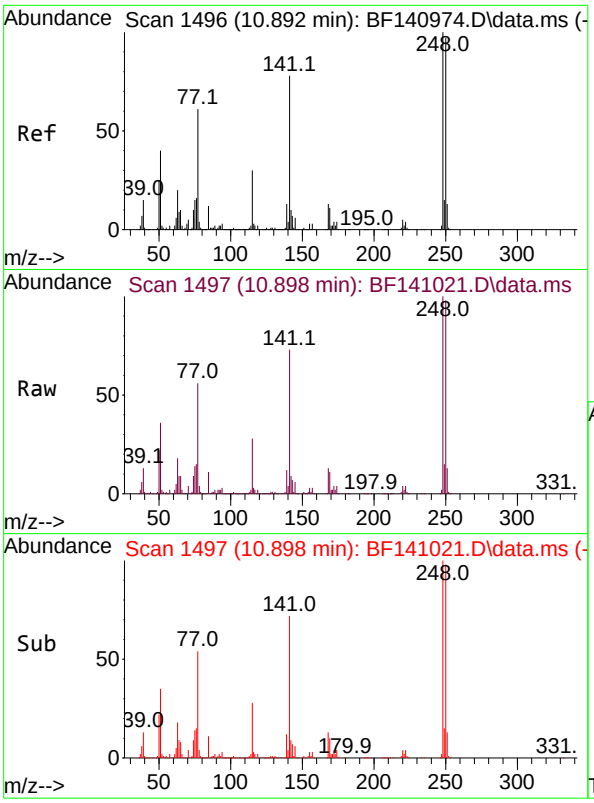


#66
n-Nitrosodiphenylamine
Concen: 54.689 ng
RT: 10.528 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:169 Resp: 1568332

Ion	Ratio	Lower	Upper
169	100		
168	66.1	52.6	79.0
167	36.1	29.0	43.4



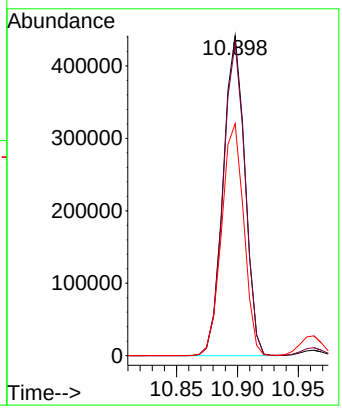


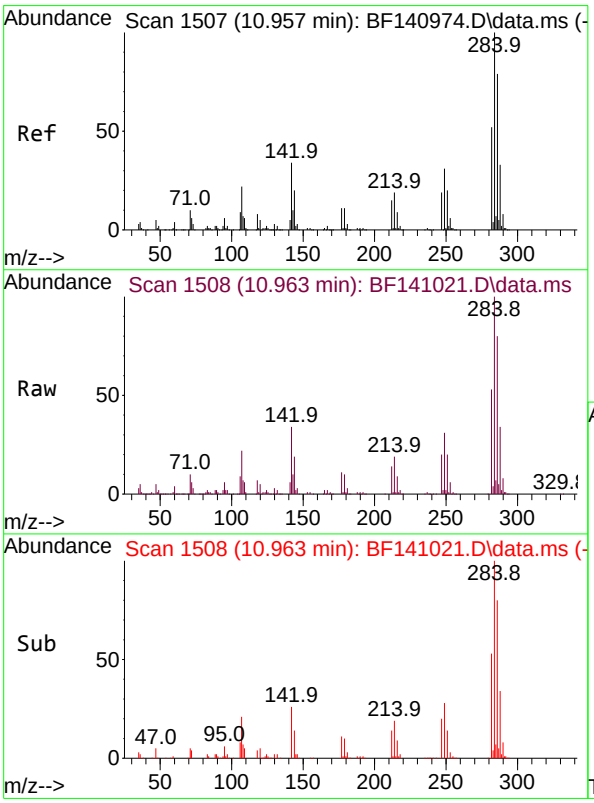
#67
4-Bromophenyl-phenylether
Concen: 55.913 ng
RT: 10.898 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:248 Resp: 550440

Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.7	116.5
141	72.5	62.1	93.1

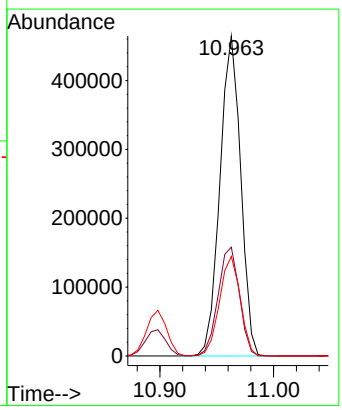


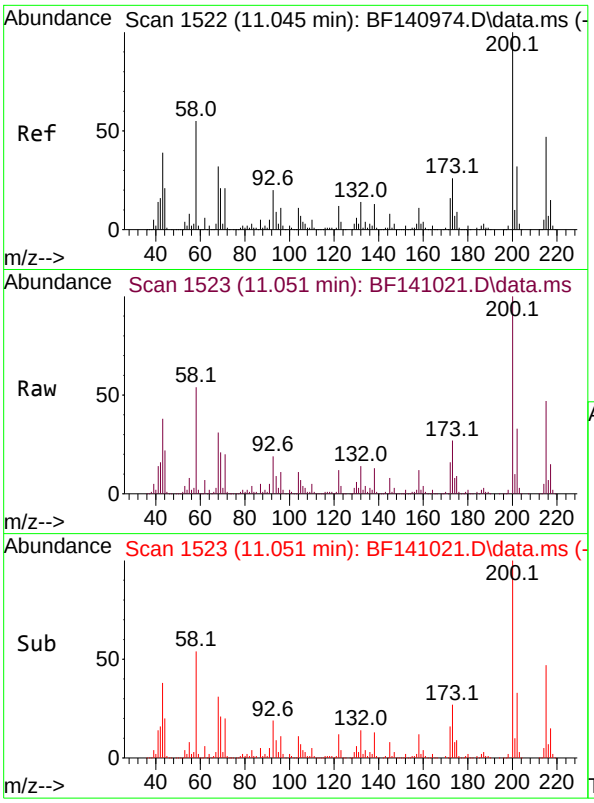


#68
Hexachlorobenzene
Concen: 54.336 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:284 Resp: 589836

Ion	Ratio	Lower	Upper
284	100		
142	34.0	27.1	40.7
249	31.1	25.1	37.7



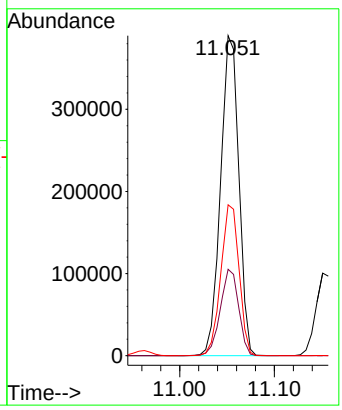


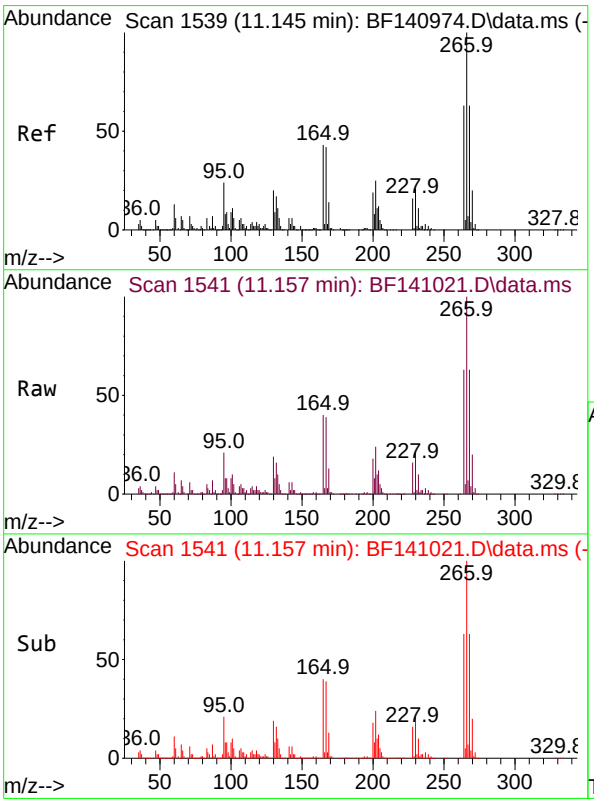
#69
Atrazine
Concen: 65.171 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:200 Resp: 522116

Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.4	46.4
215	47.2	27.2	67.2

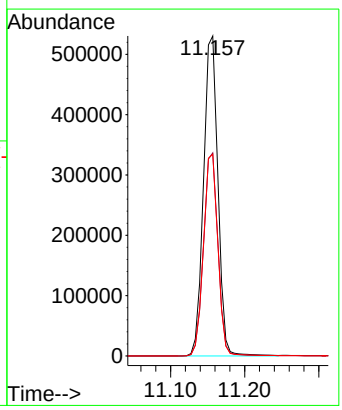


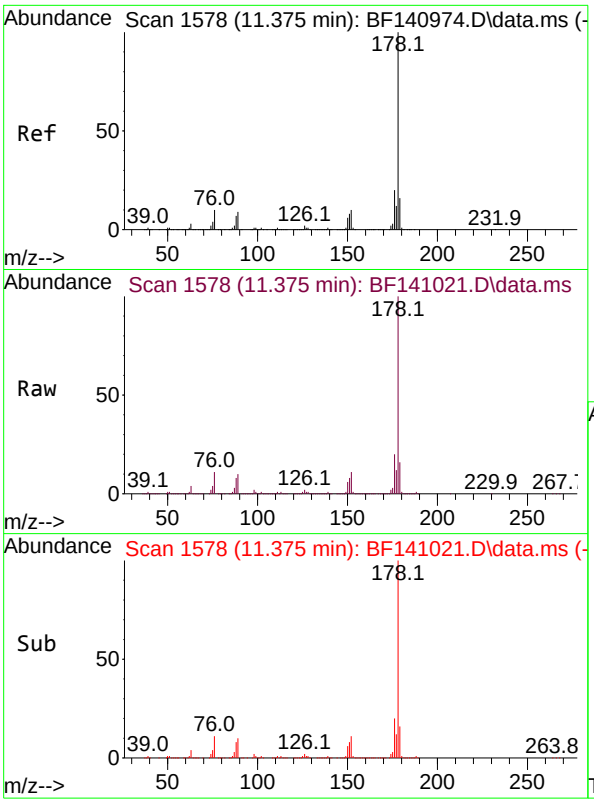


#70
Pentachlorophenol
Concen: 106.042 ng
RT: 11.157 min Scan# 1541
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:266 Resp: 716690

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.5	75.7
264	63.0	50.2	75.4



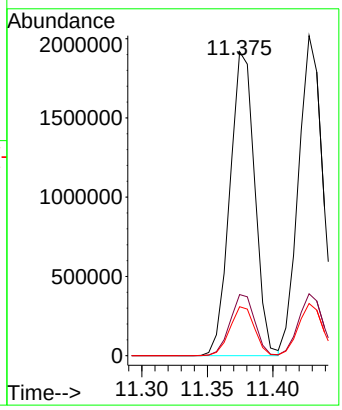


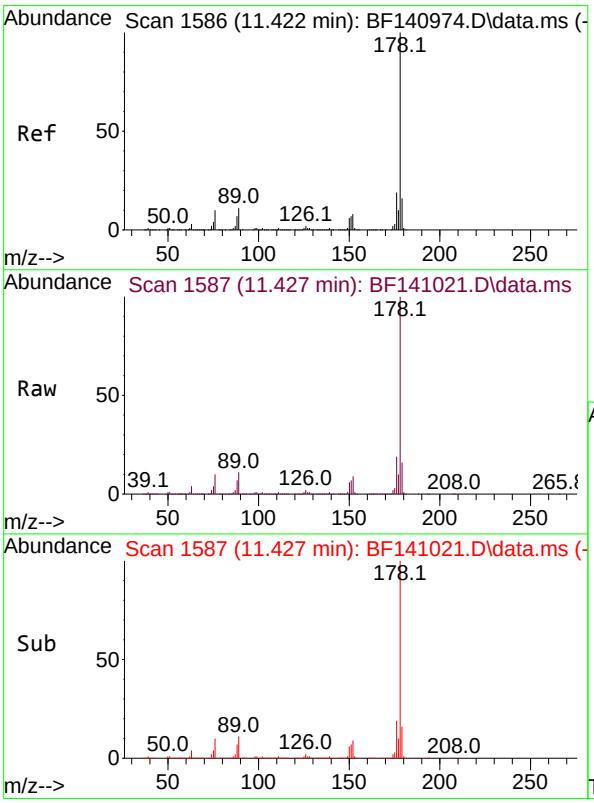
#71
Phenanthrene
Concen: 52.772 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:178 Resp: 2529378

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.6
179	16.1	12.6	19.0

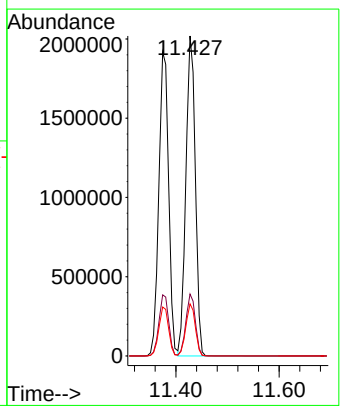


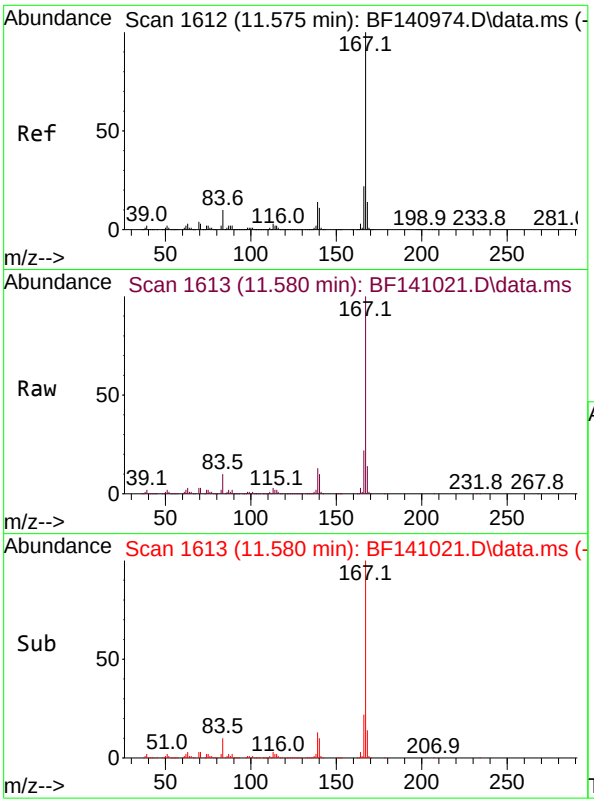


#72
Anthracene
Concen: 54.684 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:178 Resp: 2568255

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	16.3	12.9	19.3



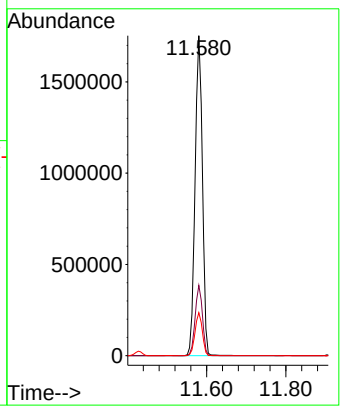


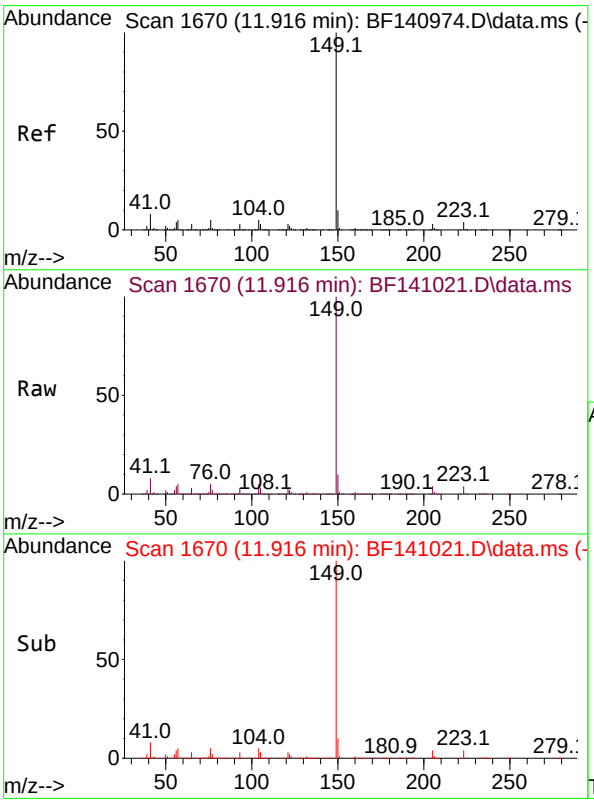
#73
Carbazole
Concen: 49.754 ng
RT: 11.580 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:167 Resp: 2246352

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.5	26.3
139	13.4	11.0	16.4

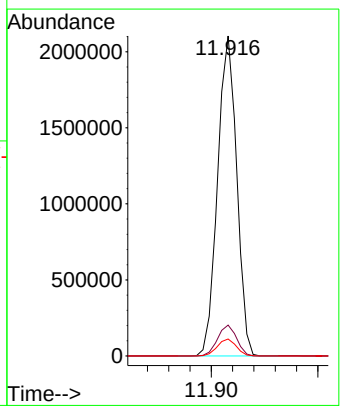


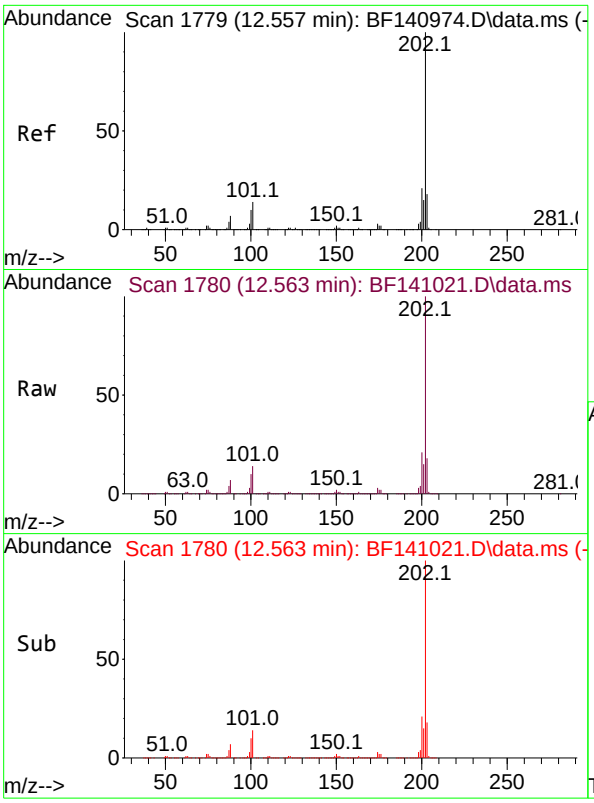


#74
Di-n-butylphthalate
Concen: 51.005 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:149 Resp: 2619214

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.3	4.1	6.1



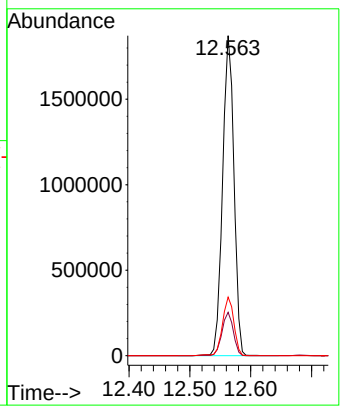


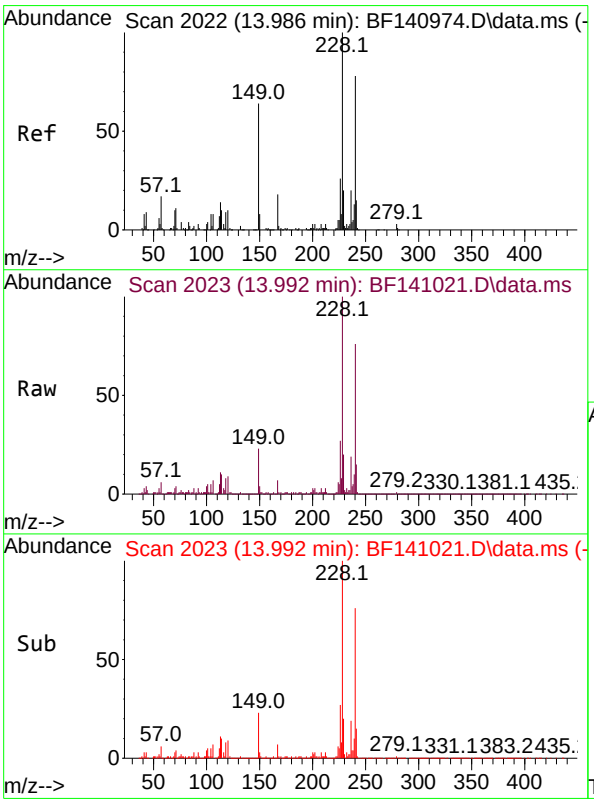
#75
Fluoranthene
Concen: 46.658 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:202 Resp: 2425427

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.7
203	18.3	0.0	38.1

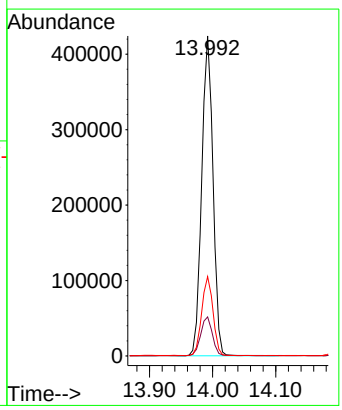


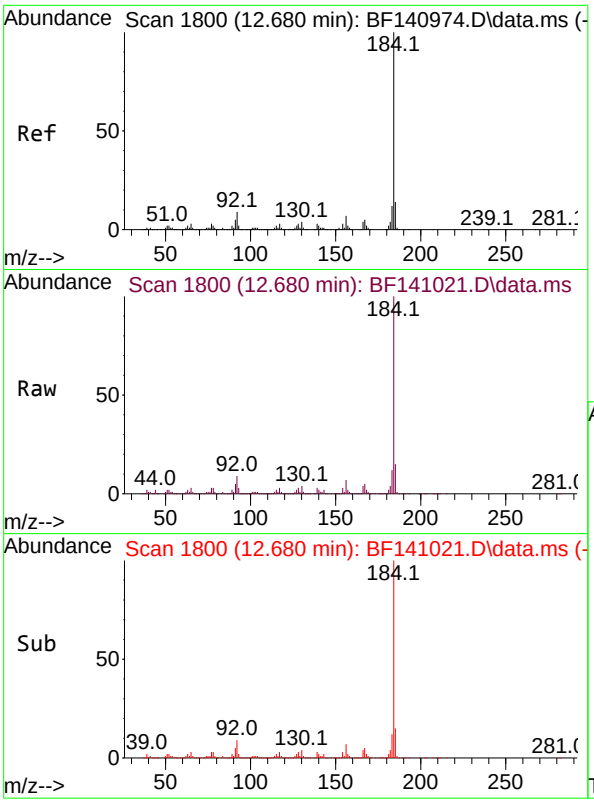


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:240 Resp: 524973

Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.7	16.1
236	24.8	20.6	31.0



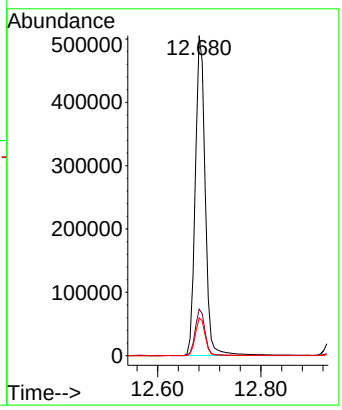


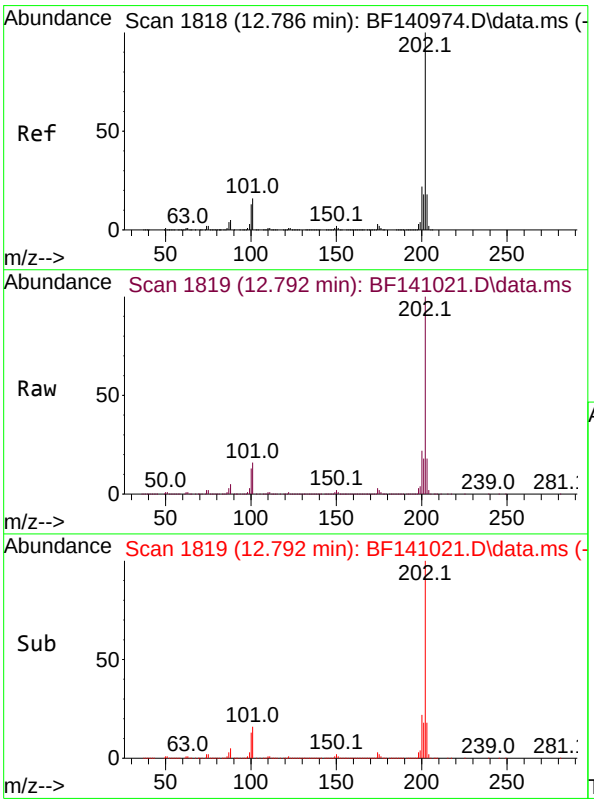
#77
Benzidine
Concen: 60.573 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:184 Resp: 672047

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.2
183	11.8	9.4	14.0

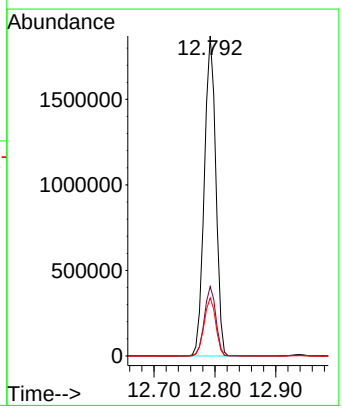


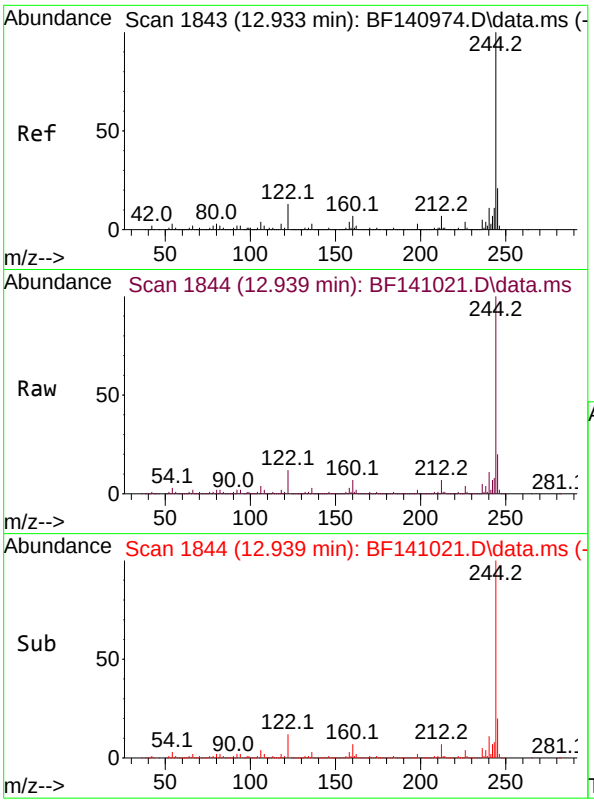


#78
Pyrene
Concen: 53.448 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:202 Resp: 2453948

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.3	25.9
203	18.1	14.6	21.8



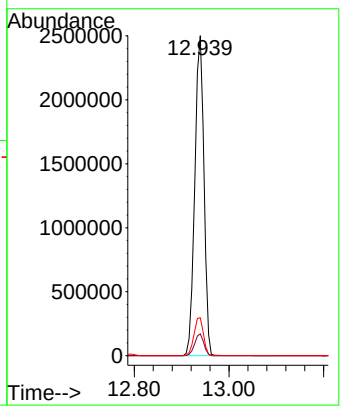


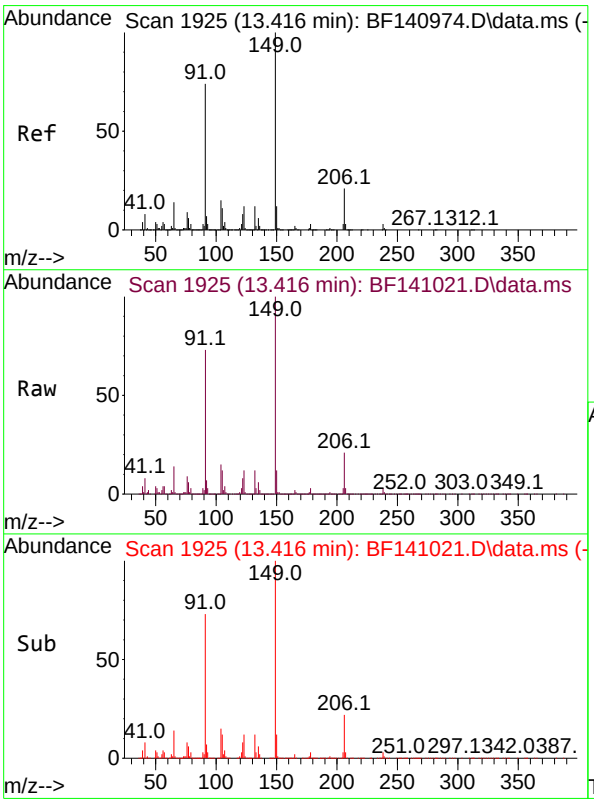
#79
Terphenyl-d14
Concen: 106.188 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:244 Resp: 3356168

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.9	10.2	15.2

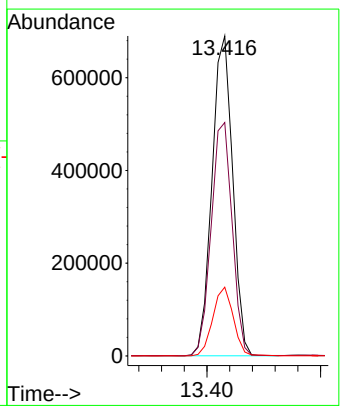


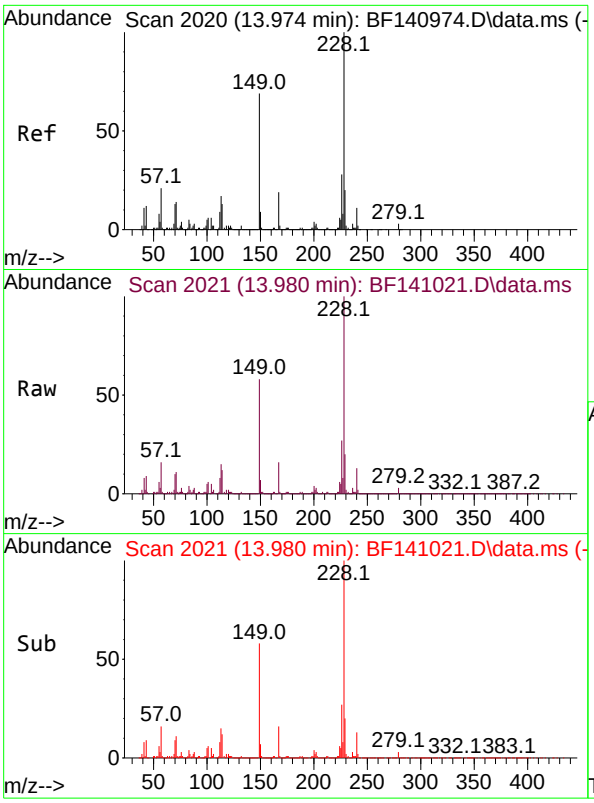


#80
Butylbenzylphthalate
Concen: 51.860 ng
RT: 13.416 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:149 Resp: 869442

Ion	Ratio	Lower	Upper
149	100		
91	72.9	59.5	89.3
206	21.5	17.1	25.7



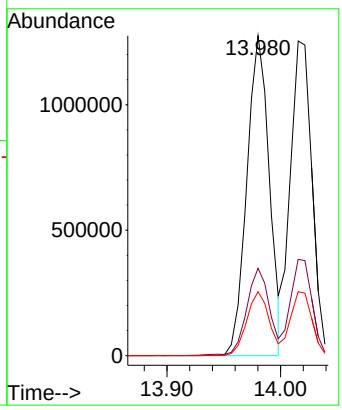


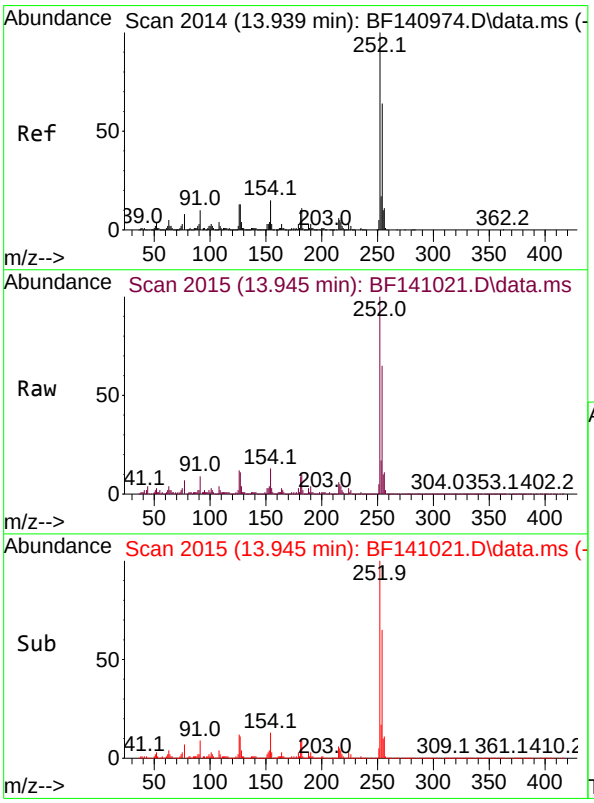
#81
Benzo(a)anthracene
Concen: 47.784 ng
RT: 13.980 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:228 Resp: 1748285

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	20.0	16.2	24.2

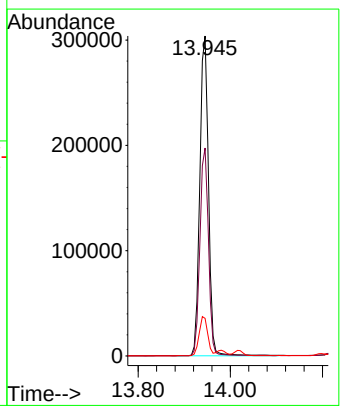


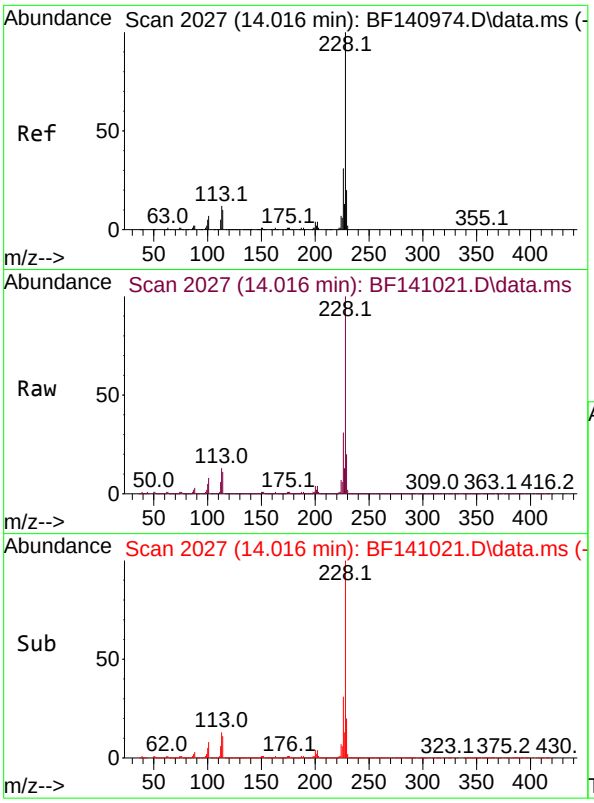


#82
3,3'-Dichlorobenzidine
Concen: 36.249 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:252 Resp: 398466

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.5	77.3
126	11.7	10.3	15.5



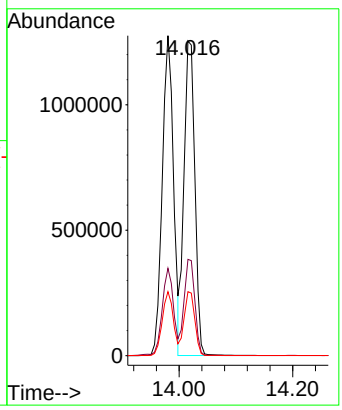


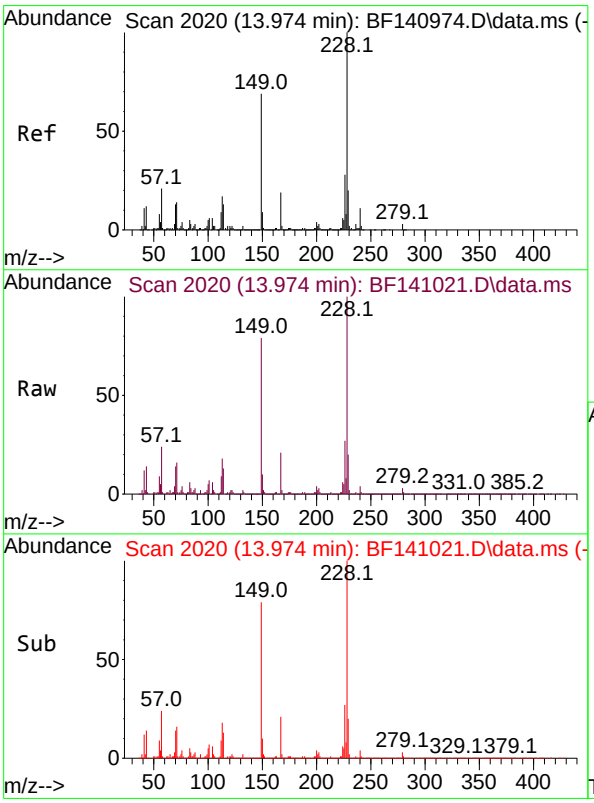
#83
Chrysene
Concen: 50.481 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:228 Resp: 1664973

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	20.4	16.2	24.4

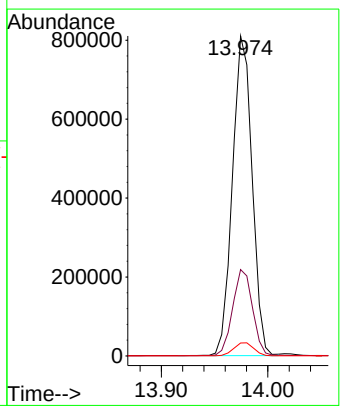


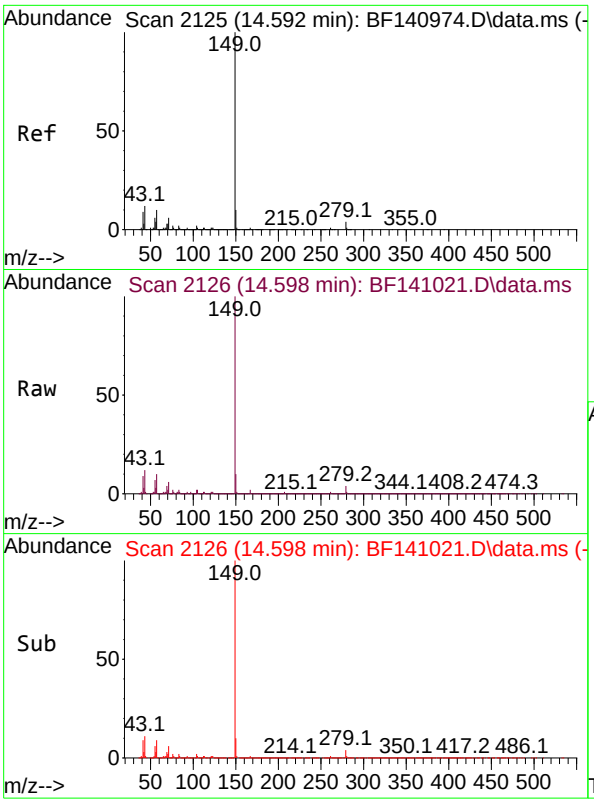


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.005 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:149 Resp: 1043963

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.6	32.4
279	4.0	3.2	4.8



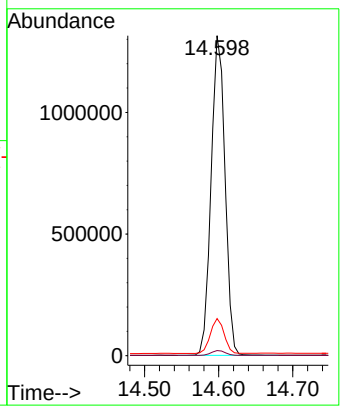


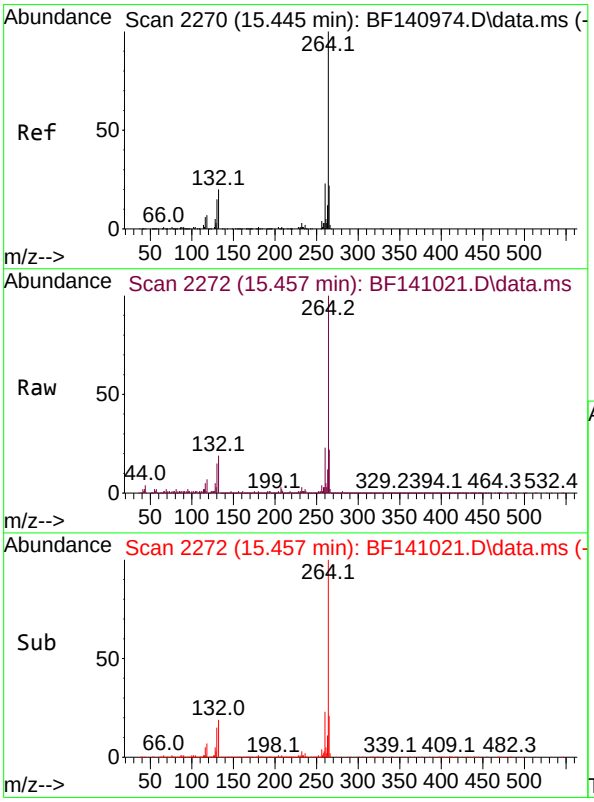
#85
Di-n-octyl phthalate
Concen: 54.375 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:149 Resp: 1711465

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.8	9.3	13.9

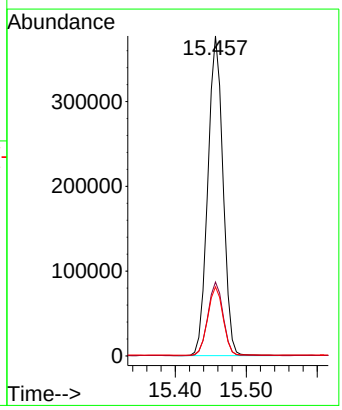


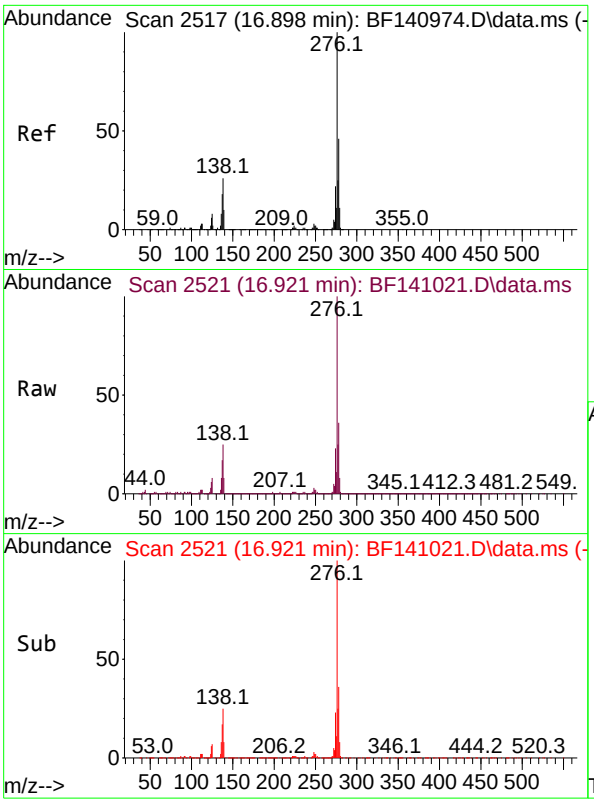


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:264 Resp: 559032

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.6	17.4	26.2



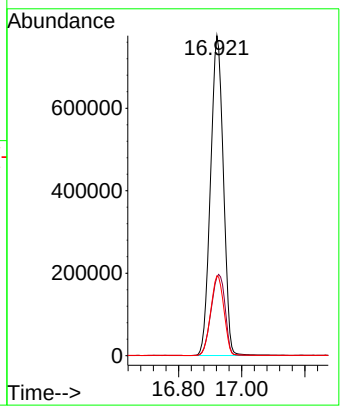


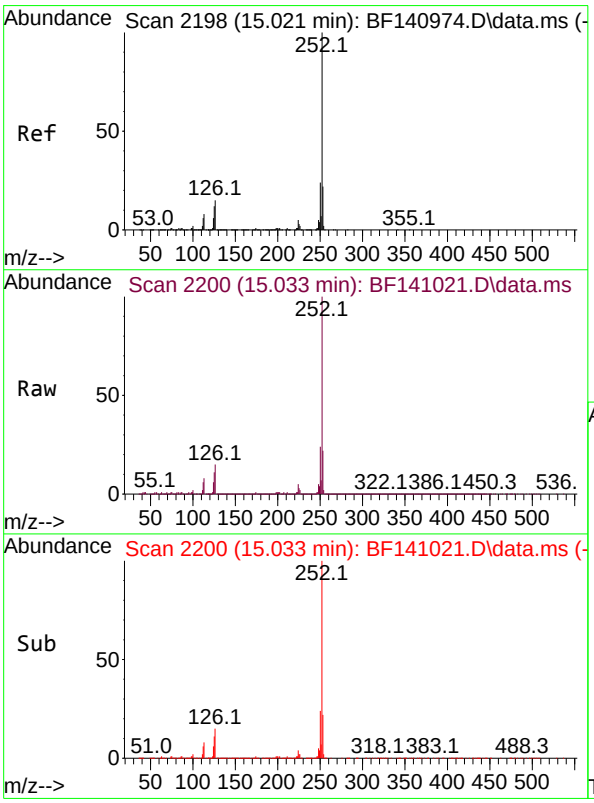
#87
Indeno(1,2,3-cd)pyrene
Concen: 62.116 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:276 Resp: 2187757

Ion	Ratio	Lower	Upper
276	100		
138	27.5	23.1	34.7
277	25.6	20.4	30.6

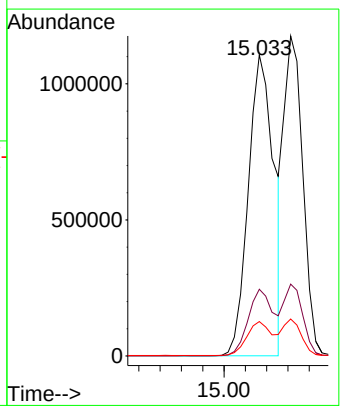


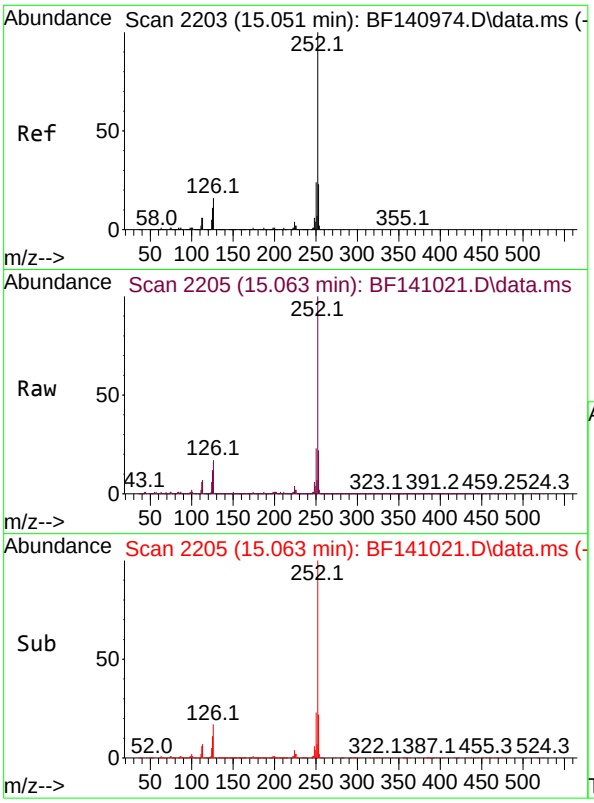


#88
Benzo(b)fluoranthene
Concen: 47.248 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:252 Resp: 1842176

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.4	9.3	13.9



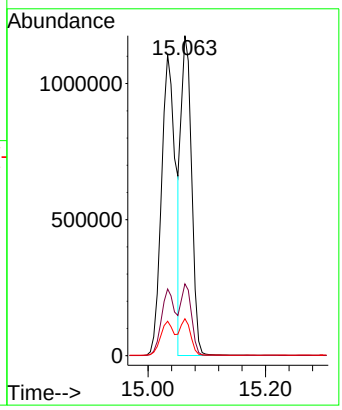


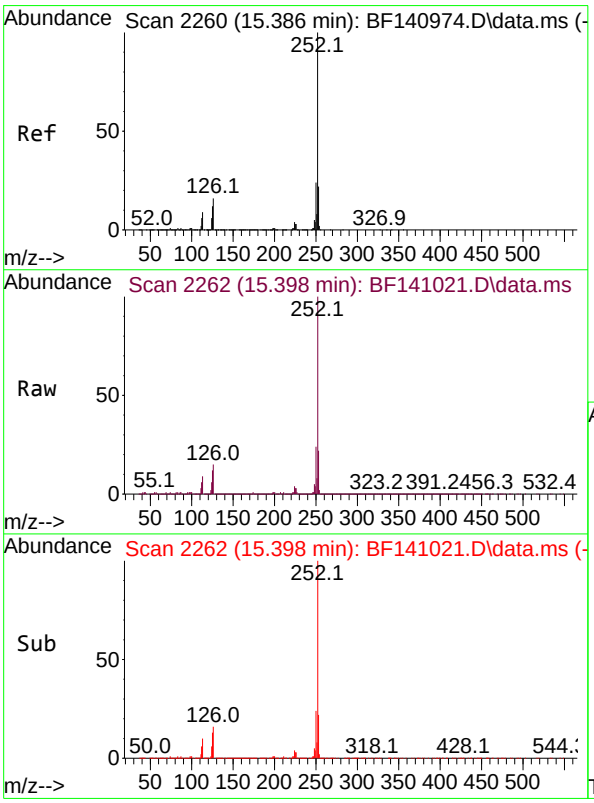
#89
Benzo(k)fluoranthene
Concen: 47.991 ng
RT: 15.063 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:252 Resp: 1466521

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	11.6	9.4	14.0

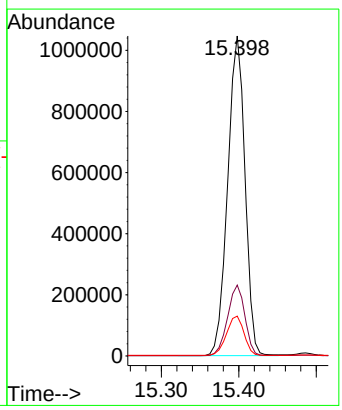


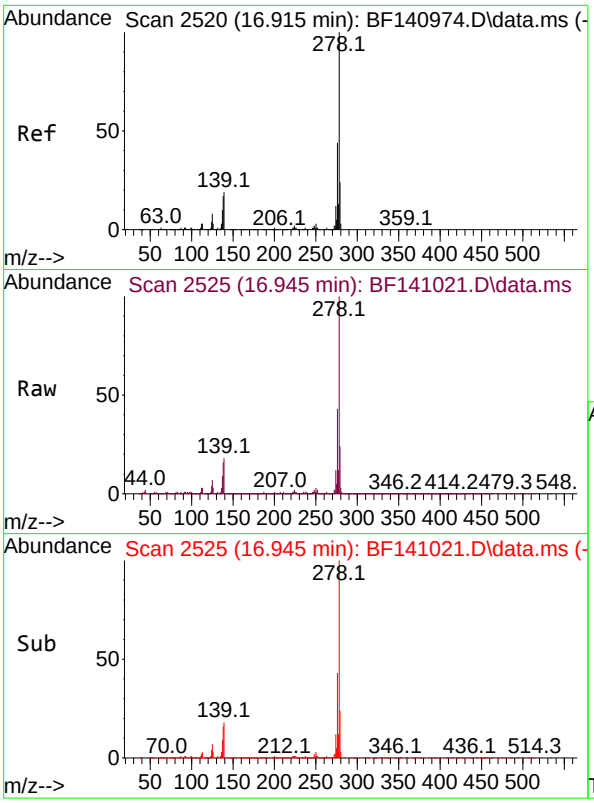


#90
Benzo(a)pyrene
Concen: 53.768 ng
RT: 15.398 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:252 Resp: 1627162

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.4	9.8	14.8



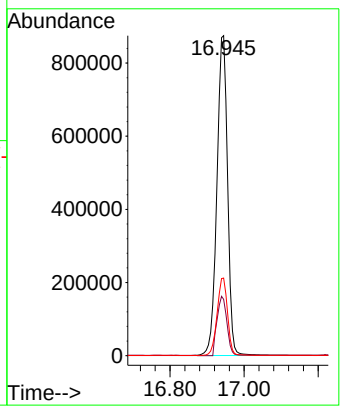


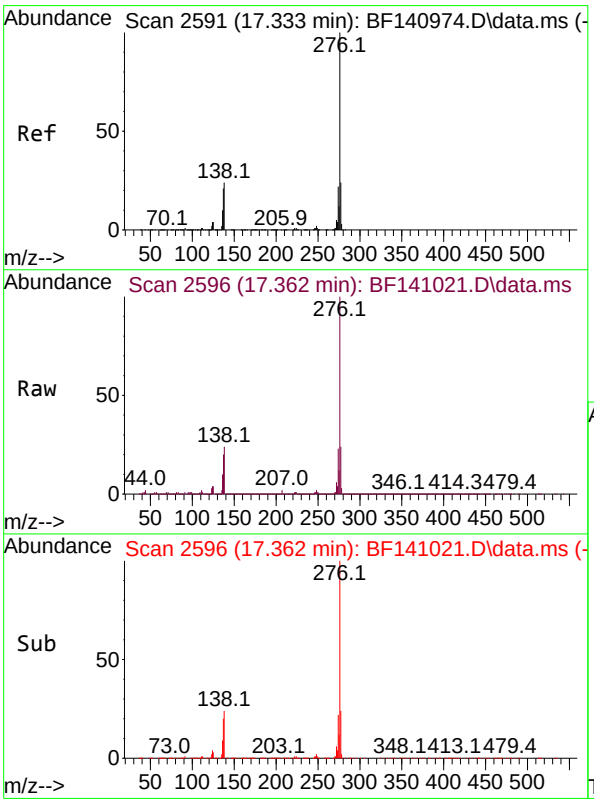
#91
Dibenzo(a,h)anthracene
Concen: 61.023 ng
RT: 16.945 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:278 Resp: 1742189

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.9	22.3
279	24.3	19.0	28.6

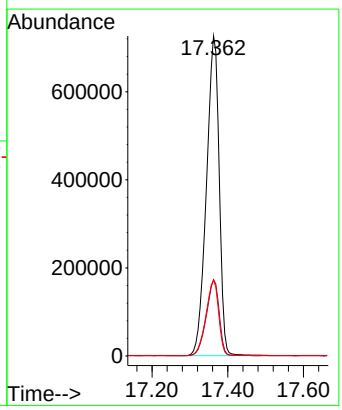




#92
Benzo(g,h,i)perylene
Concen: 57.115 ng
RT: 17.362 min Scan# 2596
Delta R.T. 0.029 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:276 Resp: 1691257

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	23.8	19.4	29.2



Raw Data: **BF141050.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/19/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219MS	SDG No.:	P5380
Lab Sample ID:	P5362-02MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141050.D	1	12/27/24 10:25	12/31/24 11:23	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
110-86-1	Pyridine	310		15.5	40.0	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	490		8.40	40.0	50.0	ug/L
95-48-7	2-Methylphenol	530		11.3	40.0	50.0	ug/L
65794-96-9	3+4-Methylphenols	510		11.5	80.0	100	ug/L
67-72-1	Hexachloroethane	510		10.1	40.0	50.0	ug/L
98-95-3	Nitrobenzene	560		12.7	40.0	50.0	ug/L
87-68-3	Hexachlorobutadiene	500		12.7	40.0	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	570		8.90	40.0	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	570		10.1	40.0	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	660		15.2	40.0	50.0	ug/L
118-74-1	Hexachlorobenzene	570		11.4	40.0	50.0	ug/L
87-86-5	Pentachlorophenol	1200	E	18.5	80.0	100	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	148		19 - 119		99%	SPK: 150
13127-88-3	Phenol-d6	144		10 - 130		96%	SPK: 150
4165-60-0	Nitrobenzene-d5	130	*	44 - 120		130%	SPK: 100
321-60-8	2-Fluorobiphenyl	104		44 - 119		104%	SPK: 100
118-79-6	2,4,6-Tribromophenol	190		43 - 140		126%	SPK: 150
1718-51-0	Terphenyl-d14	126		50 - 134		126%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	230000	6.828				
1146-65-2	Naphthalene-d8	919000	8.11				
15067-26-2	Acenaphthene-d10	497000	9.863				
1517-22-2	Phenanthrene-d10	836000	11.345				
1719-03-5	Chrysene-d12	393000	13.986				
1520-96-3	Perylene-d12	477000	15.445				

Raw Data: **BF141050.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/19/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219MS	SDG No.:	P5380
Lab Sample ID:	P5362-02MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141050.D	1	12/27/24 10:25	12/31/24 11:23	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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\BF123124\
Data File : BF141050.D
Acq On : 31 Dec 2024 11:23
Operator : RC/JU
Sample : P5362-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Quant Time: Dec 31 11:45:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.828	152	230352	20.000	ng		0.00
21) Naphthalene-d8	8.110	136	918976	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	496643	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	836009	20.000	ng		0.00
76) Chrysene-d12	13.986	240	393323	20.000	ng		0.00
86) Perylene-d12	15.445	264	476566	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.457	112	2262446	148.050	ng		0.02
7) Phenol-d6	6.457	99	2830397	143.777	ng		0.00
23) Nitrobenzene-d5	7.393	82	1871617	130.300	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	914930	189.587	ng		0.00
45) 2-Fluorobiphenyl	9.187	172	3229458	103.602	ng		0.00
79) Terphenyl-d14	12.933	244	2975359	125.649	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.758	88	310180	44.833	ng	#	84
3) Pyridine	3.463	79	522650	30.912	ng		99
4) n-Nitrosodimethylamine	3.399	42	408779	47.717	ng		99
6) Aniline	6.493	93	315670	17.980	ng		95
8) 2-Chlorophenol	6.616	128	877019	54.434	ng		96
10) Phenol	6.475	94	1004742	49.359	ng		99
11) bis(2-Chloroethyl)ether	6.569	93	807414	49.124	ng		98
12) 1,3-Dichlorobenzene	6.769	146	862839	48.526	ng		100
13) 1,4-Dichlorobenzene	6.846	146	876168	48.881	ng		99
14) 1,2-Dichlorobenzene	6.998	146	838846	50.193	ng		99
15) Benzyl Alcohol	6.969	79	723992	51.178	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1261181	50.739	ng		99
17) 2-Methylphenol	7.081	107	704093	52.603	ng		99
18) Hexachloroethane	7.345	117	323278	50.770	ng		99
19) n-Nitroso-di-n-propyla...	7.245	70	617566	51.207	ng		99
20) 3+4-Methylphenols	7.234	107	859164	50.723	ng	#	86
22) Acetophenone	7.240	105	1121412	49.744	ng		97
24) Nitrobenzene	7.410	77	897277	55.904	ng		97
25) Isophorone	7.651	82	1646747	52.685	ng		99
26) 2-Nitrophenol	7.728	139	448067	65.898	ng		98
27) 2,4-Dimethylphenol	7.763	122	707452	61.930	ng		100
28) bis(2-Chloroethoxy)met...	7.863	93	1008599	50.930	ng		99
29) 2,4-Dichlorophenol	7.963	162	717237	55.360	ng		99
30) 1,2,4-Trichlorobenzene	8.051	180	721653	49.213	ng		100
31) Naphthalene	8.134	128	2395909	49.477	ng		100
32) Benzoic acid	7.875	122	539358	55.871	ng		97
33) 4-Chloroaniline	8.175	127	81811	4.670	ng		99
34) Hexachlorobutadiene	8.251	225	436407	50.482	ng		100
35) Caprolactam	8.545	113	198493m	45.067	ng		
36) 4-Chloro-3-methylphenol	8.657	107	776315	53.955	ng		99
37) 2-Methylnaphthalene	8.822	142	1605935	51.840	ng		99
38) 1-Methylnaphthalene	8.922	142	1495035	49.105	ng		100
40) 1,2,4,5-Tetrachloroben...	8.987	216	711829	52.098	ng		99
41) Hexachlorocyclopentadiene	8.975	237	853450	188.489	ng		100
43) 2,4,6-Trichlorophenol	9.098	196	520399	57.227	ng		99
44) 2,4,5-Trichlorophenol	9.139	196	529687	56.928	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141050.D
Acq On : 31 Dec 2024 11:23
Operator : RC/JU
Sample : P5362-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Quant Time: Dec 31 11:45:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

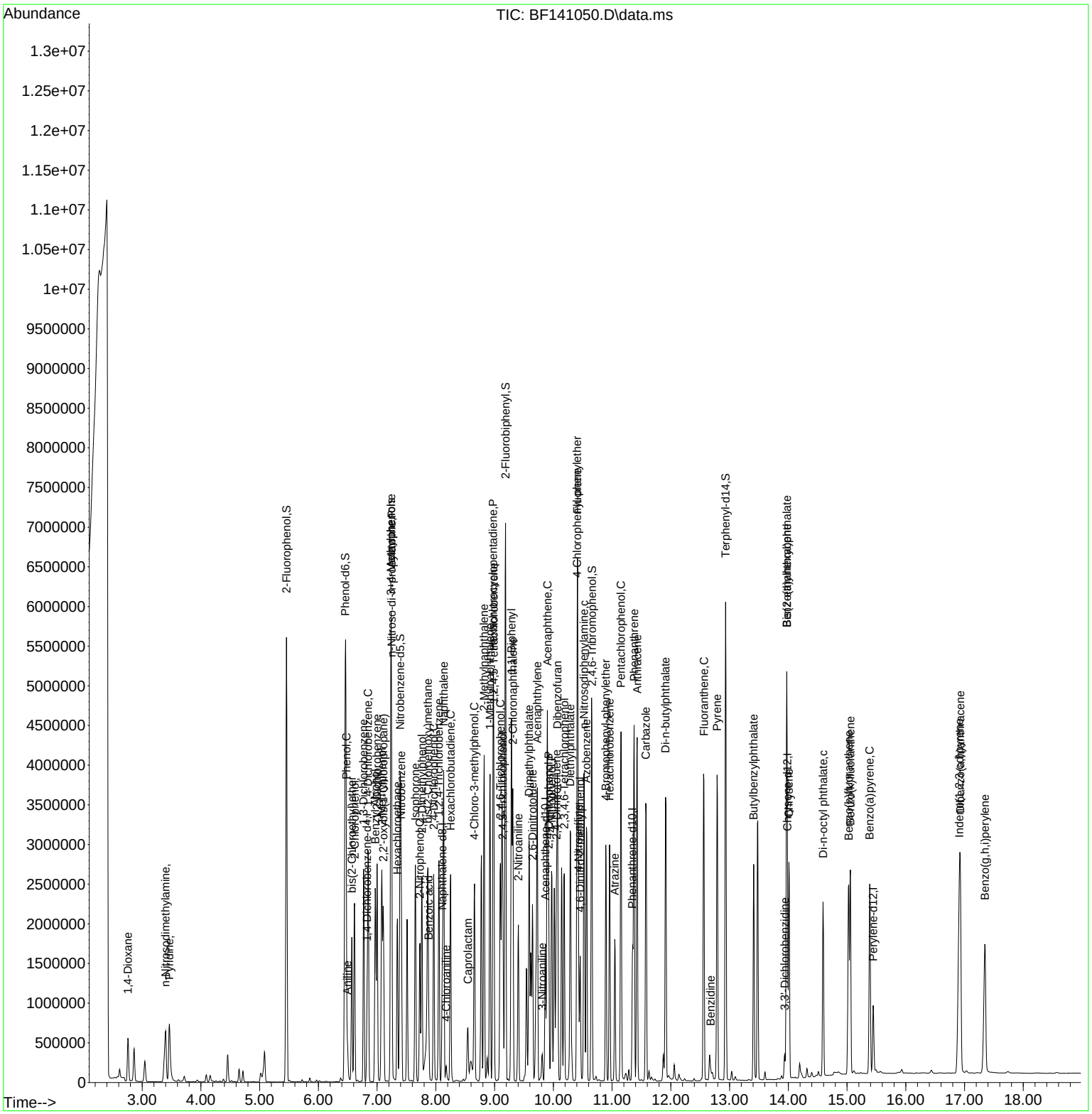
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.287	154	1945296	51.155	ng		100
47) 2-Chloronaphthalene	9.310	162	1484568	50.336	ng		99
48) 2-Nitroaniline	9.404	65	468373	59.476	ng		93
49) Acenaphthylene	9.728	152	2307406	54.347	ng		99
50) Dimethylphthalate	9.586	163	1802824	55.187	ng		100
51) 2,6-Dinitrotoluene	9.645	165	409385	60.426	ng		96
52) Acenaphthene	9.898	154	1728479	60.220	ng		99
53) 3-Nitroaniline	9.810	138	75559	12.985	ng	#	94
54) 2,4-Dinitrophenol	9.922	184	451441	131.272	ng	#	1
55) Dibenzofuran	10.069	168	2117754	52.501	ng		99
56) 4-Nitrophenol	9.975	139	673553	120.535	ng		95
57) 2,4-Dinitrotoluene	10.051	165	553721	66.054	ng		94
58) Fluorene	10.410	166	1590906	50.861	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	465162	60.364	ng		98
60) Diethylphthalate	10.286	149	1737471	53.874	ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	788959	52.419	ng		98
62) 4-Nitroaniline	10.428	138	337363	46.707	ng		93
63) Azobenzene	10.563	77	1728825	51.072	ng		99
65) 4,6-Dinitro-2-methylph...	10.457	198	301414	82.168	ng		93
66) n-Nitrosodiphenylamine	10.522	169	1393151	52.920	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	527647	58.385	ng		99
68) Hexachlorobenzene	10.957	284	567260	56.924	ng		100
69) Atrazine	11.045	200	298407	40.574	ng		99
70) Pentachlorophenol	11.151	266	722306	116.419	ng		100
71) Phenanthrene	11.375	178	2365531	53.762	ng		100
72) Anthracene	11.428	178	2382942	55.270	ng		100
73) Carbazole	11.575	167	2027569	48.920	ng		100
74) Di-n-butylphthalate	11.910	149	2576813	54.661	ng		100
75) Fluoranthene	12.563	202	2256974	47.295	ng		98
77) Benzidine	12.680	184	57535	6.922	ng	#	93
78) Pyrene	12.786	202	2203962	64.070	ng		100
80) Butylbenzylphthalate	13.410	149	823945	65.596	ng		100
81) Benzo(a)anthracene	13.974	228	1381591	50.400	ng		100
82) 3,3'-Dichlorobenzidine	13.939	252	96417	11.707	ng		98
83) Chrysene	14.010	228	1341215	54.275	ng		99
84) Bis(2-ethylhexyl)phtha...	13.974	149	918706	56.385	ng		99
85) Di-n-octyl phthalate	14.592	149	1421857	60.294	ng		98
87) Indeno(1,2,3-cd)pyrene	16.910	276	2041908	68.008	ng		98
88) Benzo(b)fluoranthene	15.027	252	1533522	46.138	ng		99
89) Benzo(k)fluoranthene	15.057	252	1392896	53.469	ng		99
90) Benzo(a)pyrene	15.386	252	1474947	57.172	ng		99
91) Dibenzo(a,h)anthracene	16.927	278	1657060	68.084	ng		99
92) Benzo(g,h,i)perylene	17.345	276	1553299	61.533	ng		99

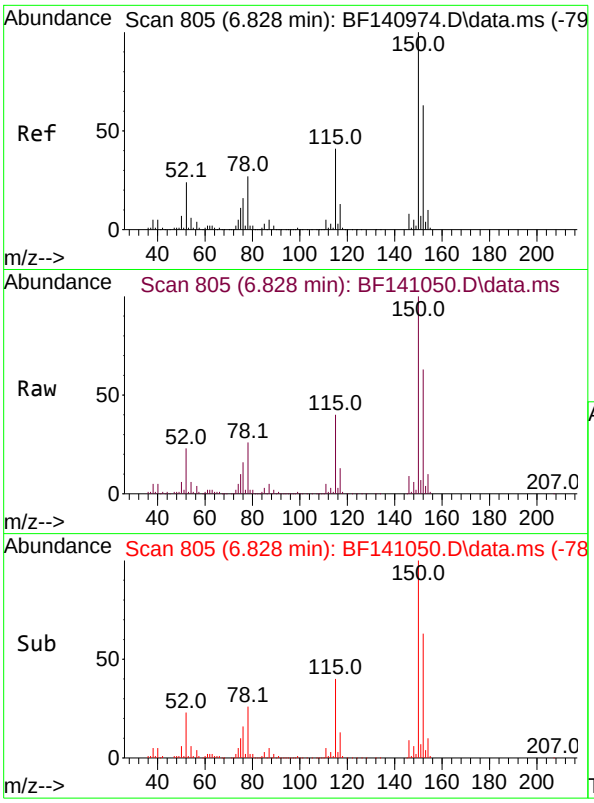
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141050.D
Acq On : 31 Dec 2024 11:23
Operator : RC/JU
Sample : P5362-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Quant Time: Dec 31 11:45:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



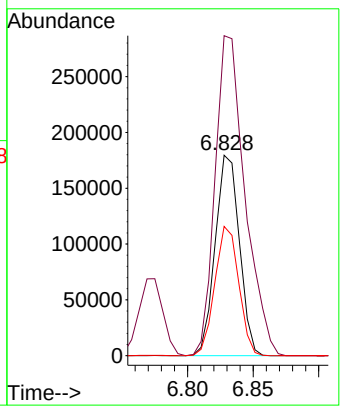


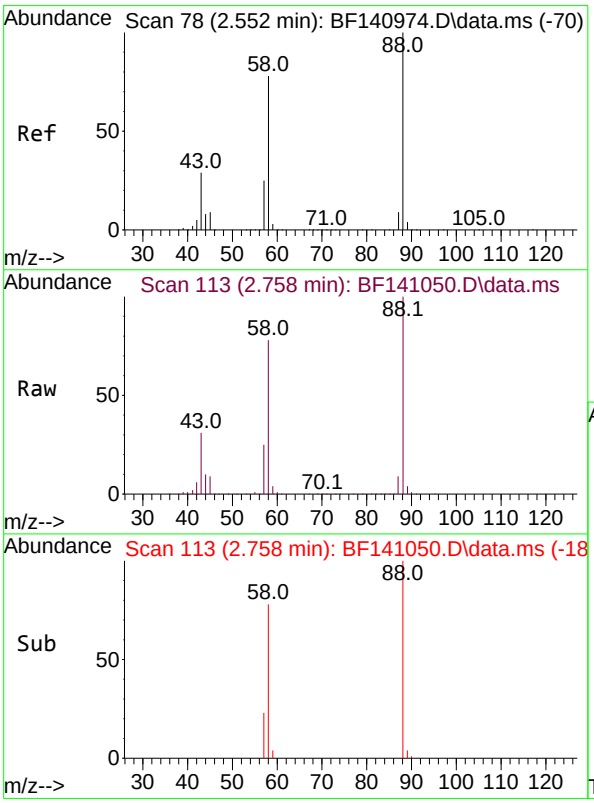
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:152 Resp: 230352

Ion	Ratio	Lower	Upper
152	100		
150	159.6	127.0	190.6
115	64.5	51.7	77.5

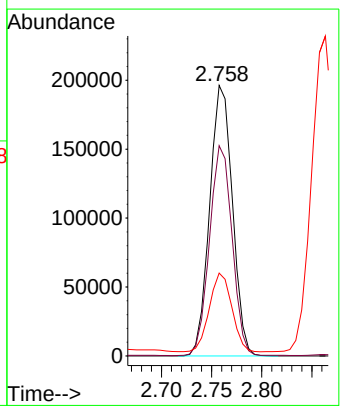


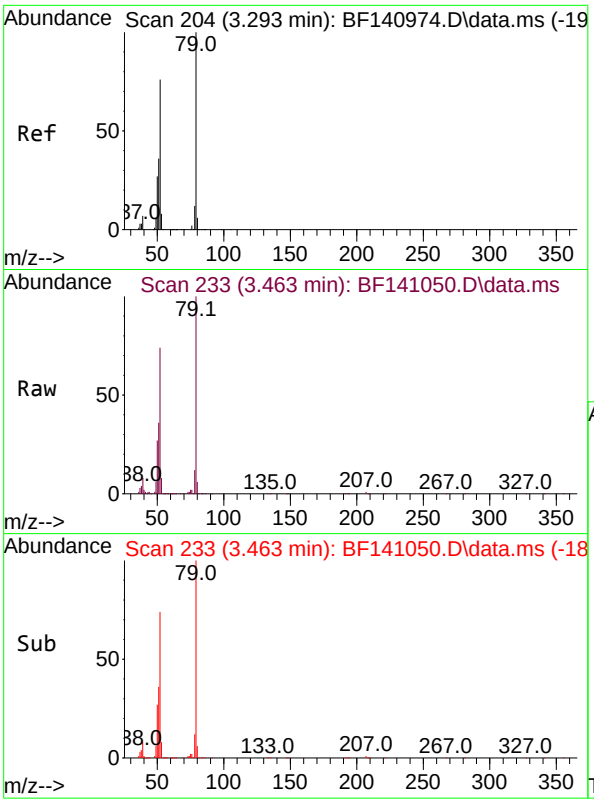


#2
1,4-Dioxane
Concen: 44.833 ng
RT: 2.758 min Scan# 113
Delta R.T. 0.206 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 88 Resp: 310180

Ion	Ratio	Lower	Upper
88	100		
58	76.9	63.0	94.4
43	0.0	23.4	35.2#



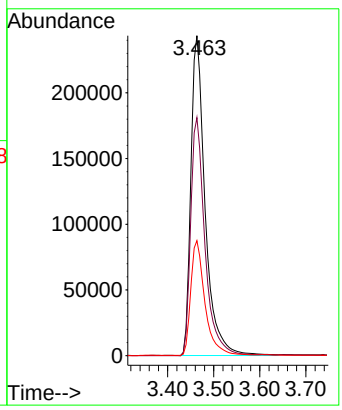


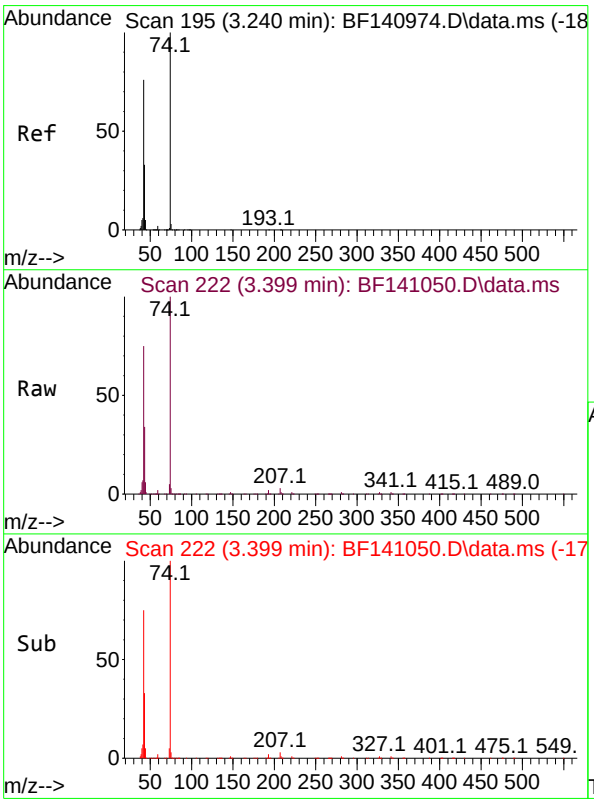
#3
Pyridine
Concen: 30.912 ng
RT: 3.463 min Scan# 2
Delta R.T. 0.171 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 79 Resp: 522650

Ion	Ratio	Lower	Upper
79	100		
52	74.4	60.4	90.6
51	35.9	28.8	43.2

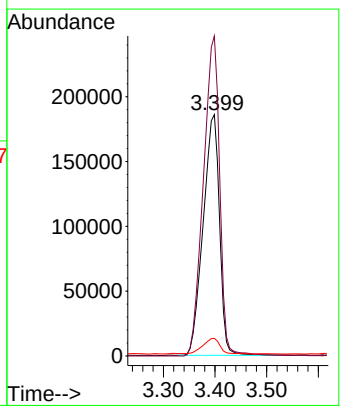


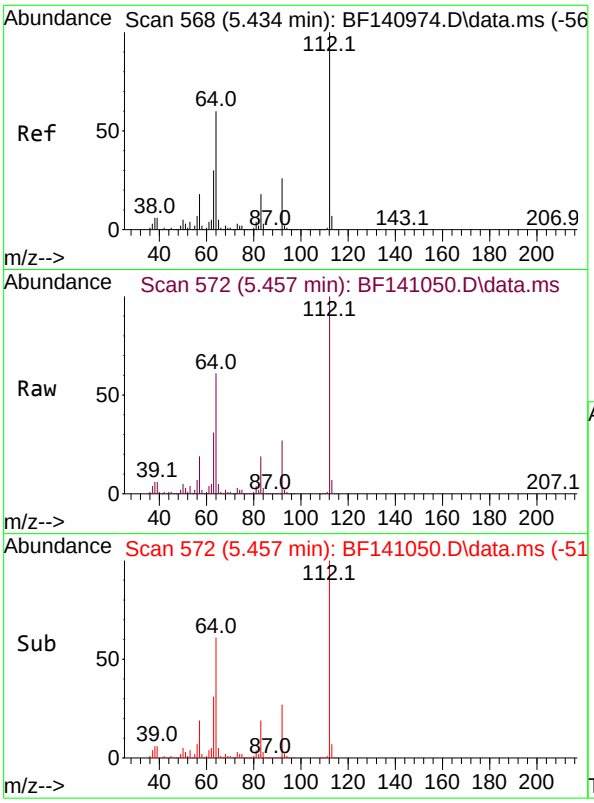


#4
n-Nitrosodimethylamine
Concen: 47.717 ng
RT: 3.399 min Scan# 222
Delta R.T. 0.159 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 42 Resp: 408779

Ion	Ratio	Lower	Upper
42	100		
74	132.7	105.8	158.6
44	7.3	6.6	10.0



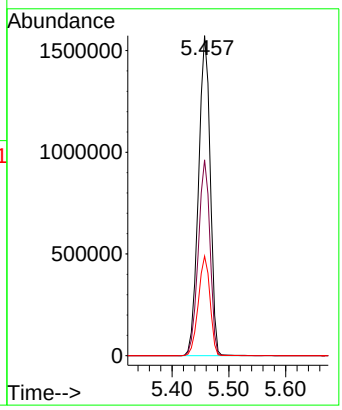


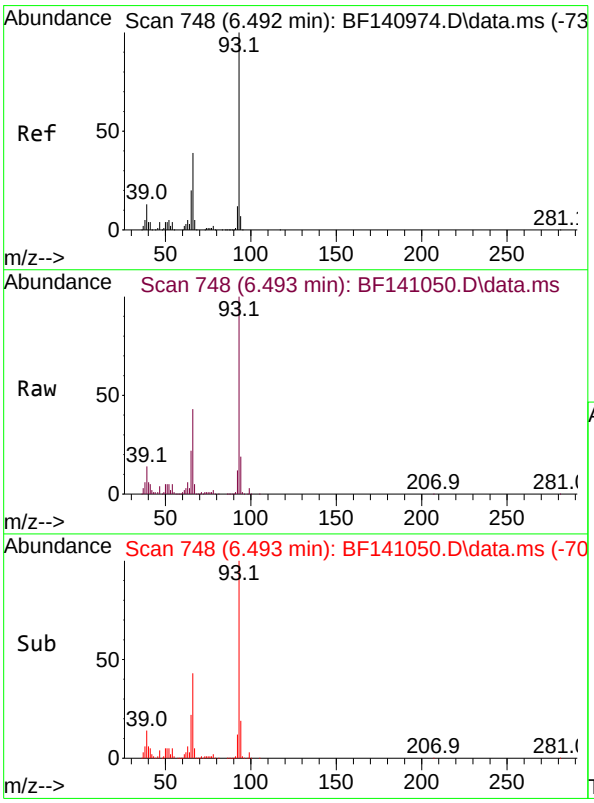
#5
2-Fluorophenol
Concen: 148.050 ng
RT: 5.457 min Scan# 5
Delta R.T. 0.024 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:112 Resp: 2262446

Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.7	71.5
63	31.1	24.2	36.2

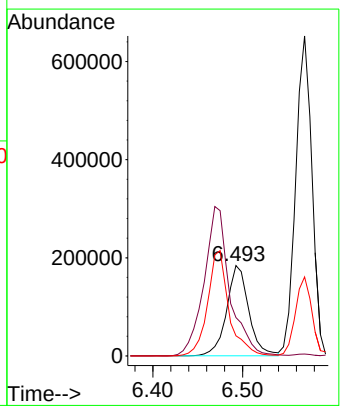


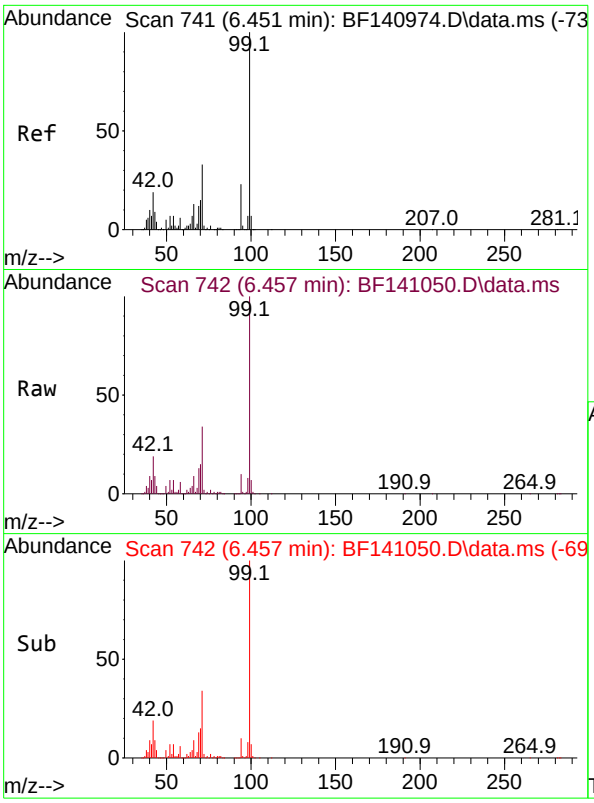


#6
Aniline
Concen: 17.980 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 93 Resp: 315670

Ion	Ratio	Lower	Upper
93	100		
66	42.5	31.8	47.8
65	22.3	15.4	23.0



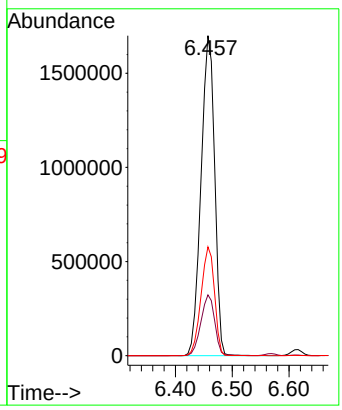


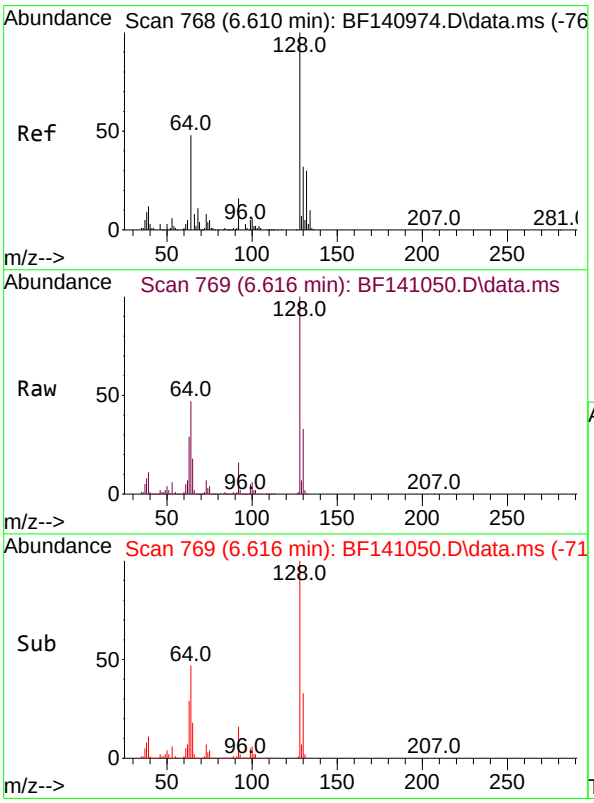
#7
Phenol-d6
Concen: 143.777 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 99 Resp: 2830397

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.0	22.4
71	34.0	26.2	39.2

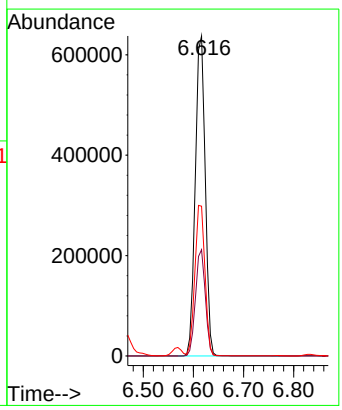


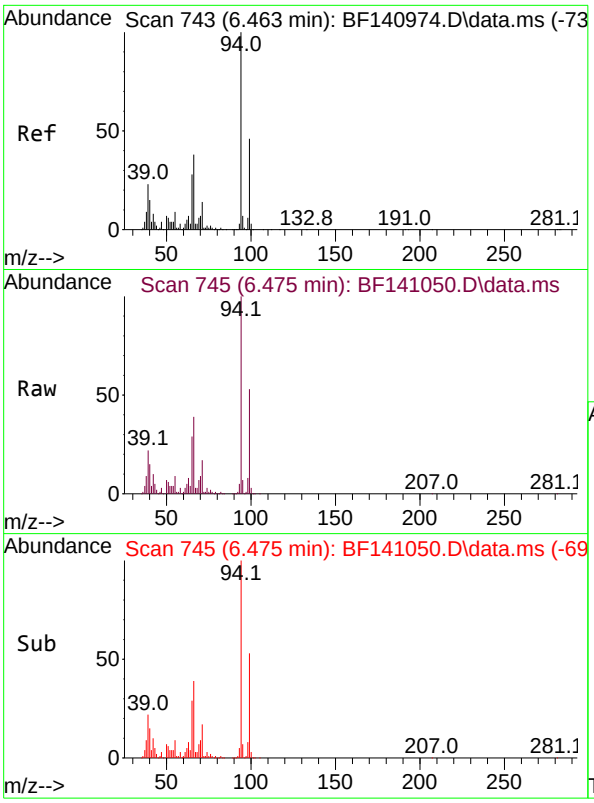


#8
2-Chlorophenol
Concen: 54.434 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:128 Resp: 877019

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.2	52.2
64	46.8	30.3	70.3



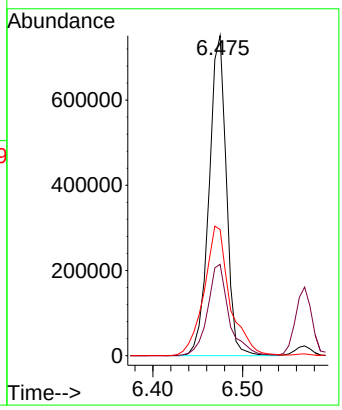


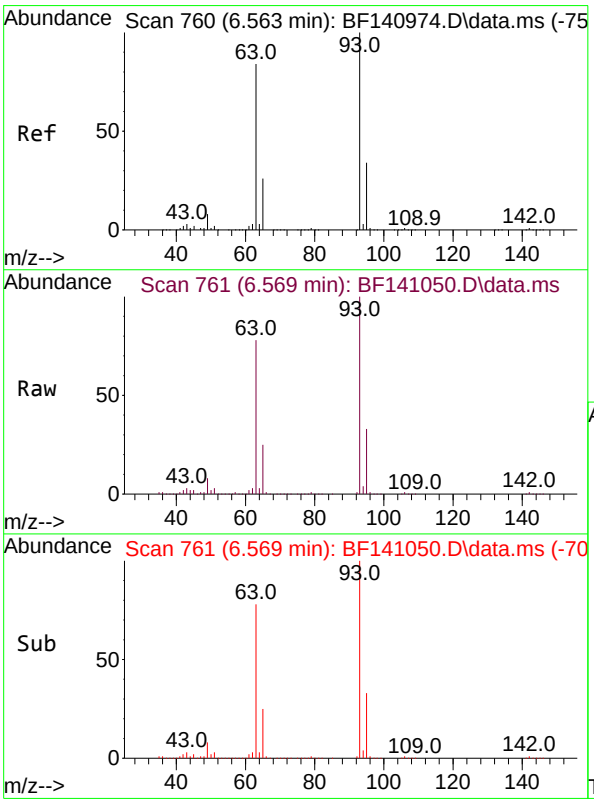
#10
Phenol
Concen: 49.359 ng
RT: 6.475 min Scan# 74
Delta R.T. 0.012 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 94 Resp: 1004742

Ion	Ratio	Lower	Upper
94	100		
65	28.6	8.1	48.1
66	39.4	18.7	58.7

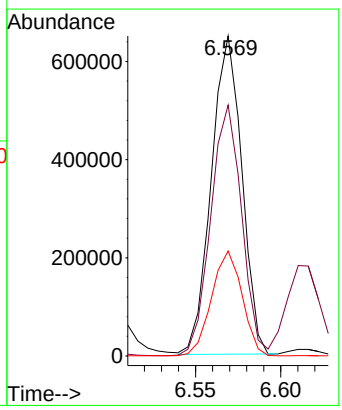


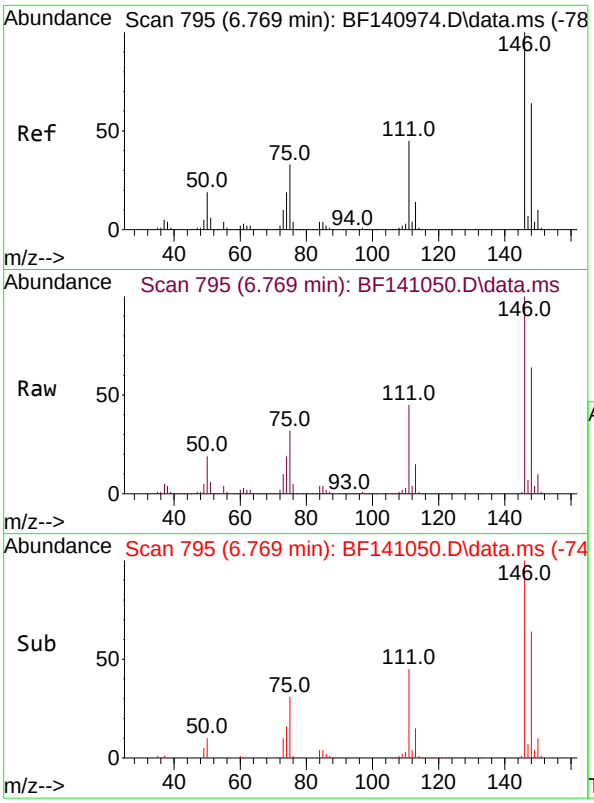


#11
bis(2-Chloroethyl)ether
Concen: 49.124 ng
RT: 6.569 min Scan# 761
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 93 Resp: 807414

Ion	Ratio	Lower	Upper
93	100		
63	78.4	60.3	100.3
95	32.8	12.2	52.2



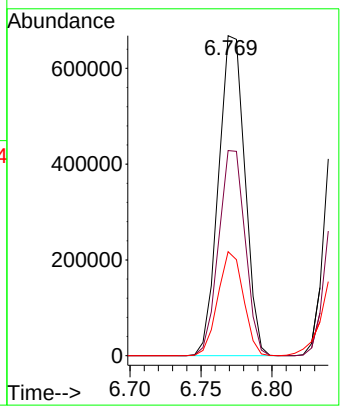


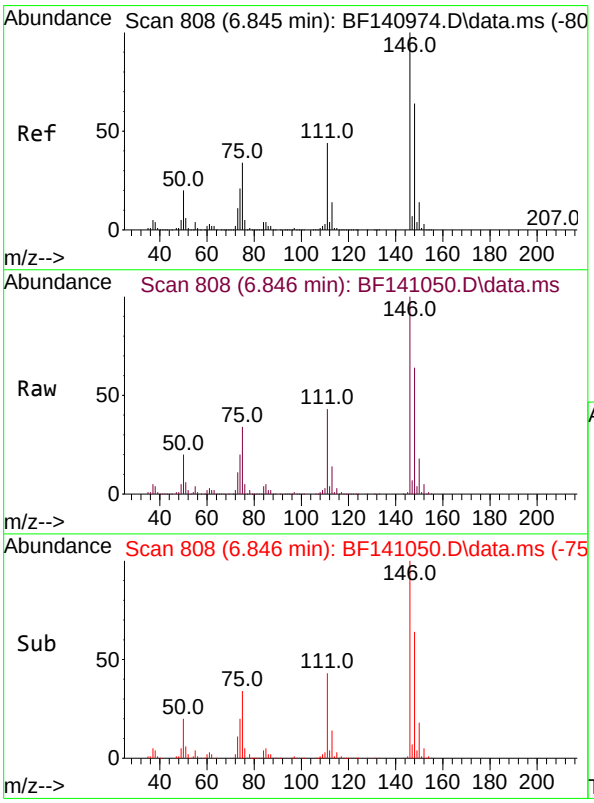
#12
1,3-Dichlorobenzene
Concen: 48.526 ng
RT: 6.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:146 Resp: 862839

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.4
75	32.5	26.1	39.1

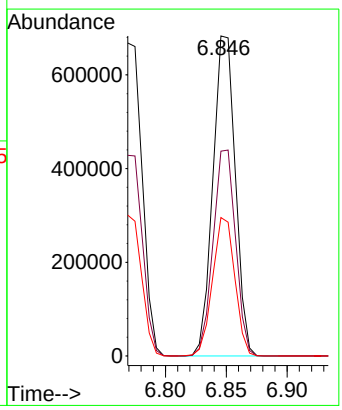


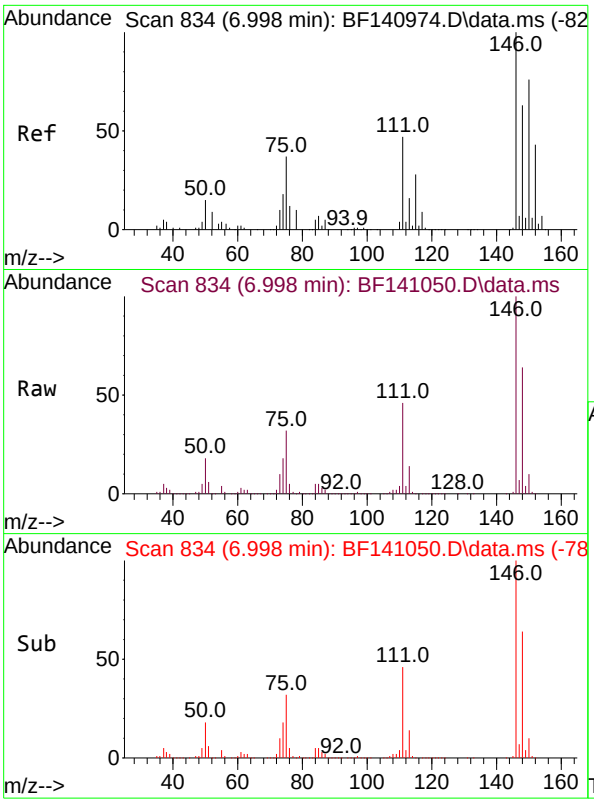


#13
1,4-Dichlorobenzene
Concen: 48.881 ng
RT: 6.846 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:146 Resp: 876168

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.3	76.9
111	43.3	35.3	52.9



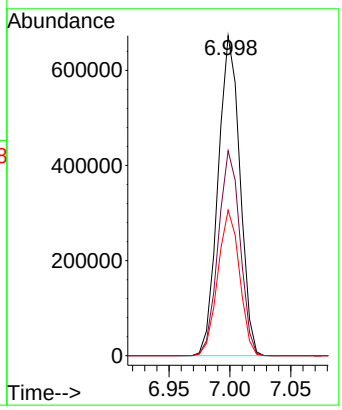


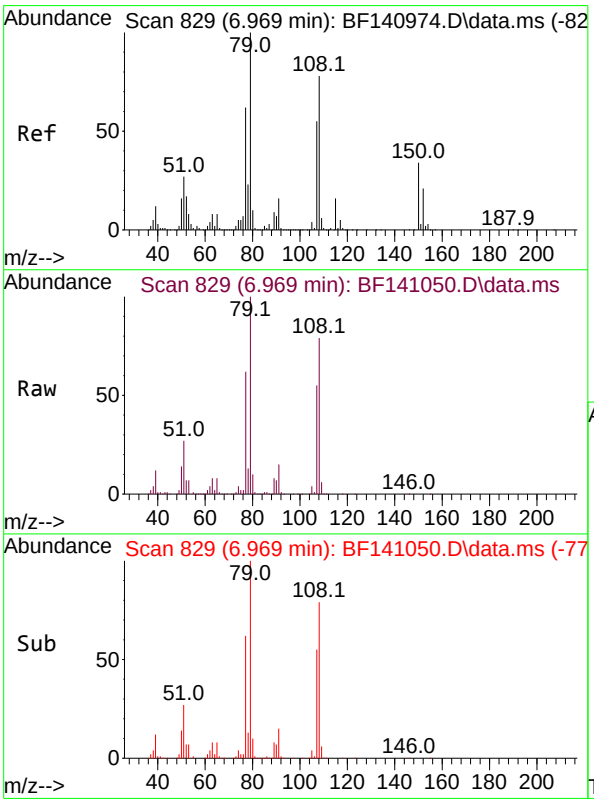
#14
1,2-Dichlorobenzene
Concen: 50.193 ng
RT: 6.998 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:146 Resp: 838846

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	76.0
111	45.5	37.3	55.9

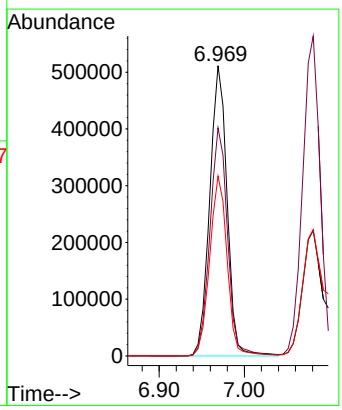


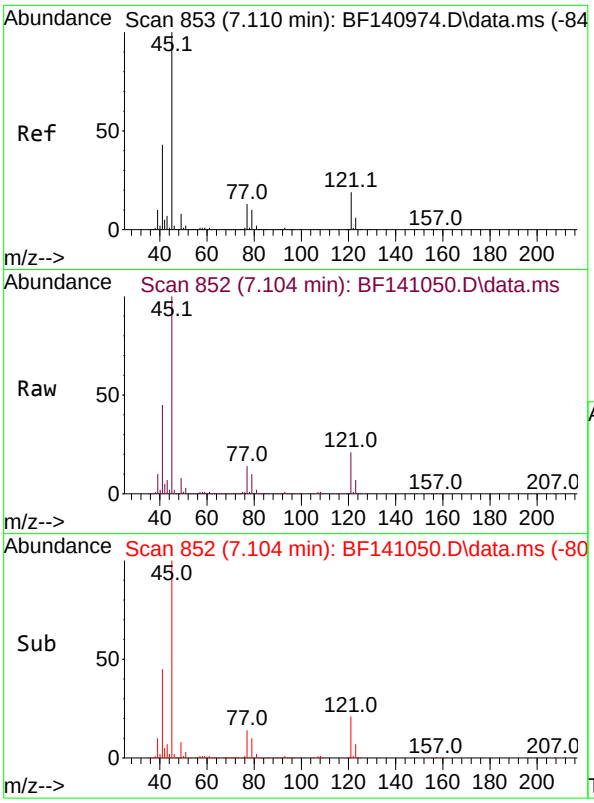


#15
Benzyl Alcohol
Concen: 51.178 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 79 Resp: 723992

Ion	Ratio	Lower	Upper
79	100		
108	78.6	62.5	93.7
77	62.0	49.3	73.9



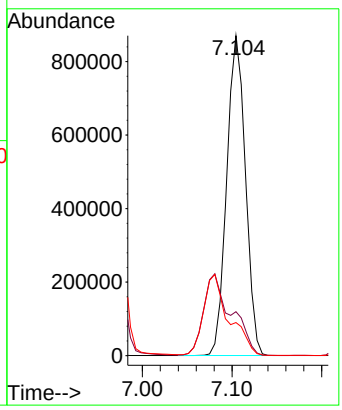


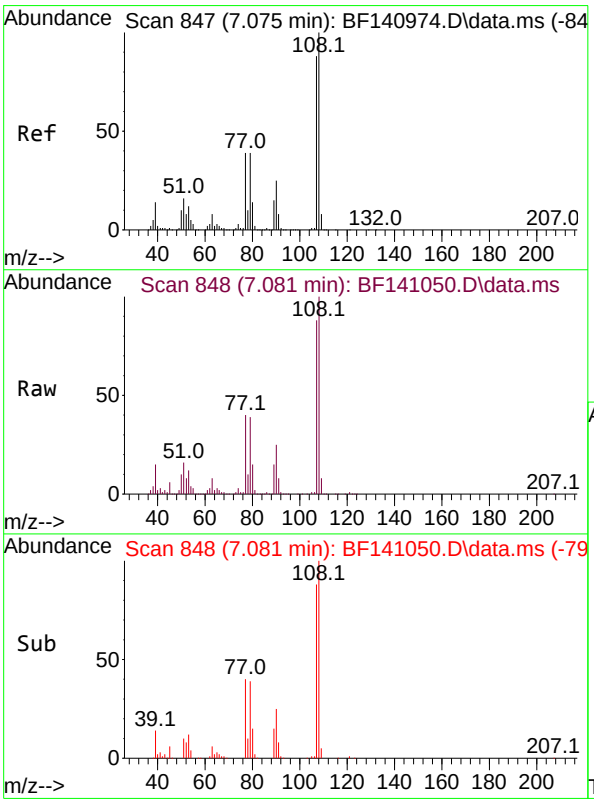
#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.739 ng
RT: 7.104 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 45 Resp: 1261181

Ion	Ratio	Lower	Upper
45	100		
77	13.7	0.0	33.1
79	10.4	0.0	30.1

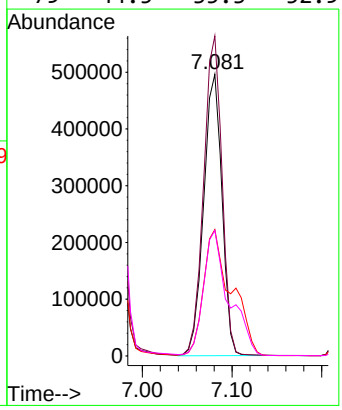


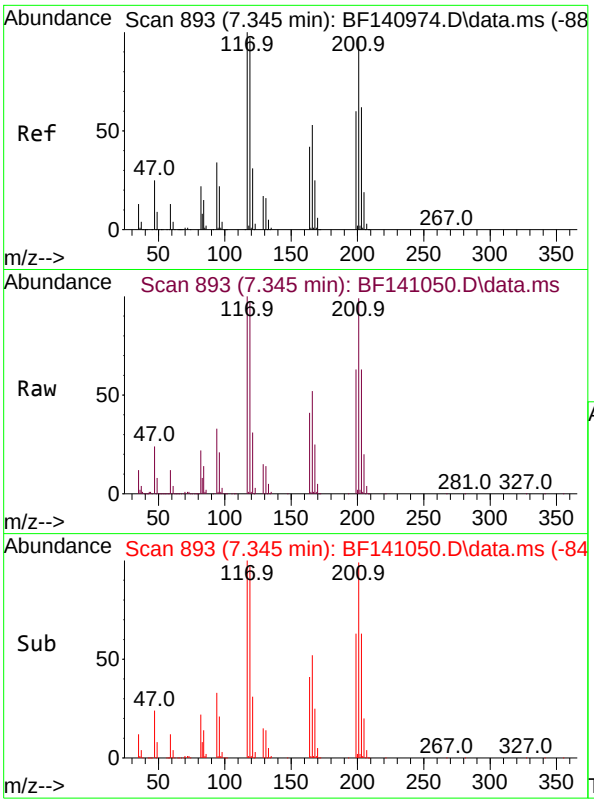


#17
2-Methylphenol
Concen: 52.603 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:107 Resp: 704093

Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.6	136.0
77	44.9	35.3	52.9
79	44.5	35.3	52.9



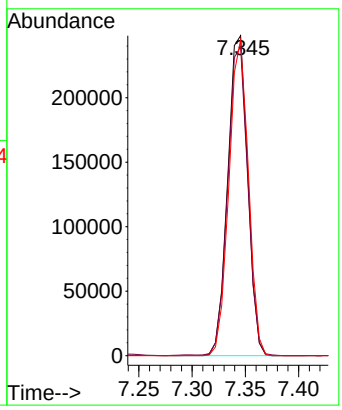


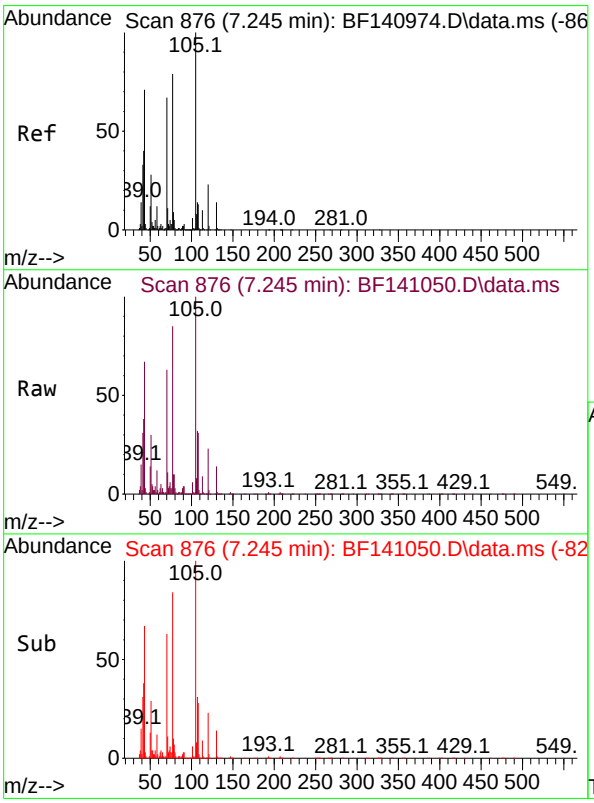
#18
Hexachloroethane
Concen: 50.770 ng
RT: 7.345 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:117 Resp: 323278

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.5	116.3
201	98.7	77.4	116.2

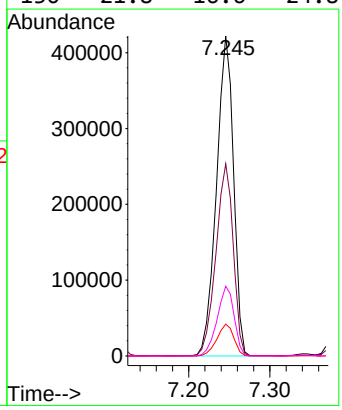


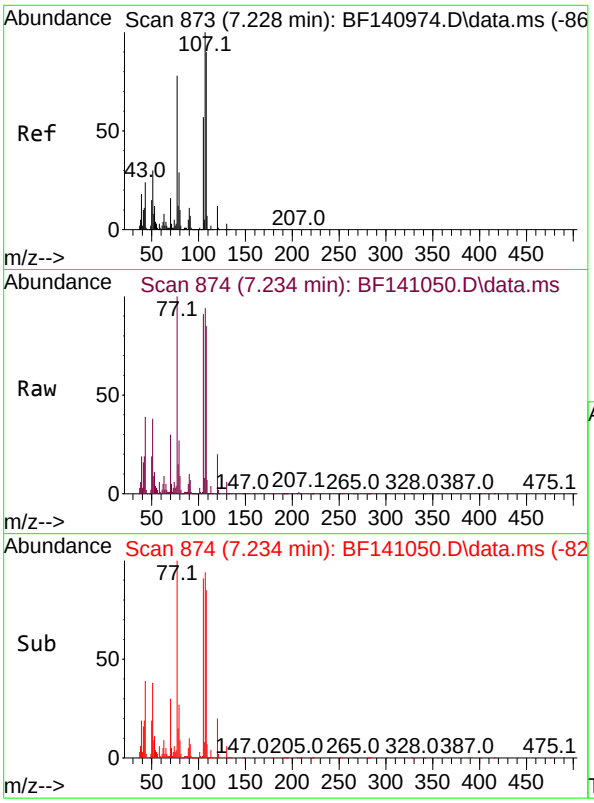


#19
n-Nitroso-di-n-propylamine
Concen: 51.207 ng
RT: 7.245 min Scan# 876
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 70 Resp: 617566

Ion	Ratio	Lower	Upper
70	100		
42	60.0	48.1	72.1
101	10.0	7.6	11.4
130	21.8	16.6	24.8



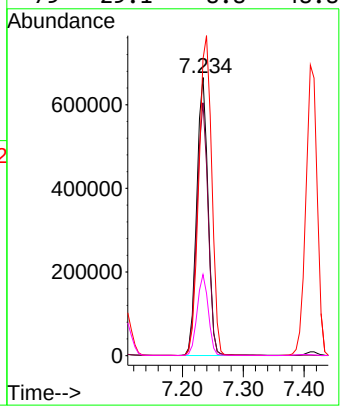


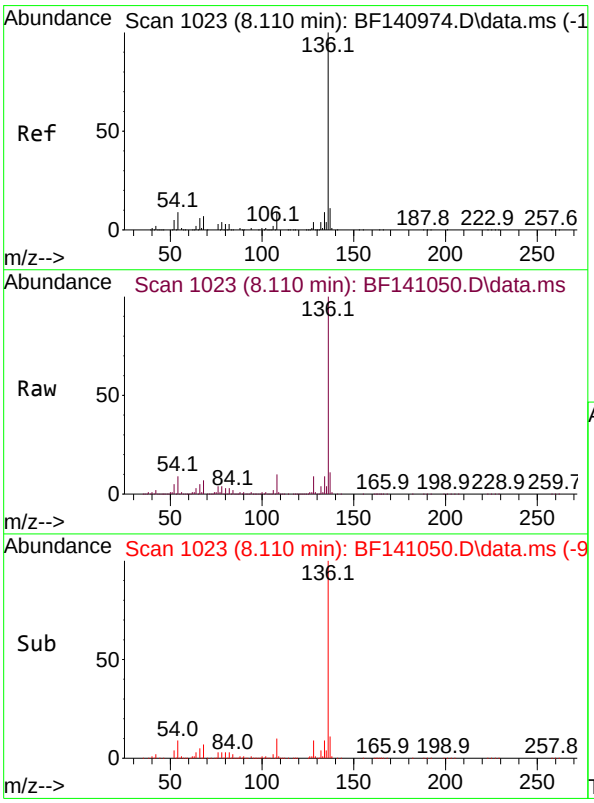
#20
3+4-Methylphenols
Concen: 50.723 ng
RT: 7.234 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:107 Resp: 859164

Ion	Ratio	Lower	Upper
107	100		
108	91.0	69.6	109.6
77	106.6	57.6	97.6#
79	29.1	8.8	48.8

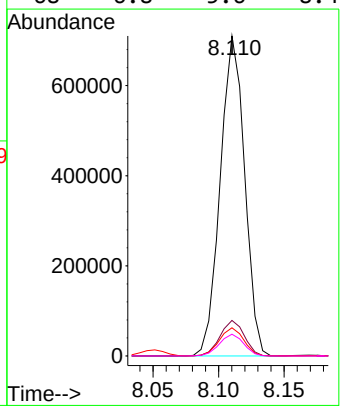


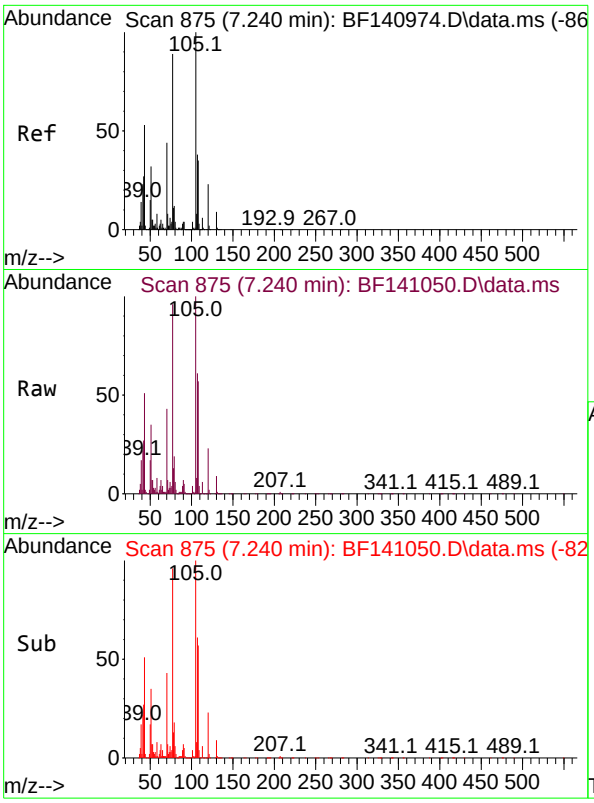


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:136 Resp: 918976

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.8	7.6	11.4
68	6.8	5.6	8.4



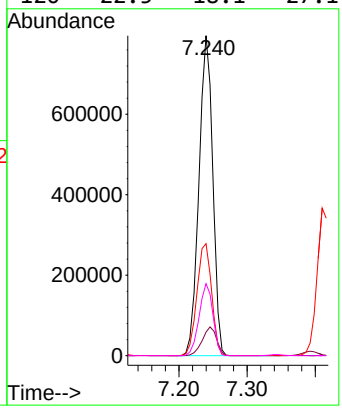


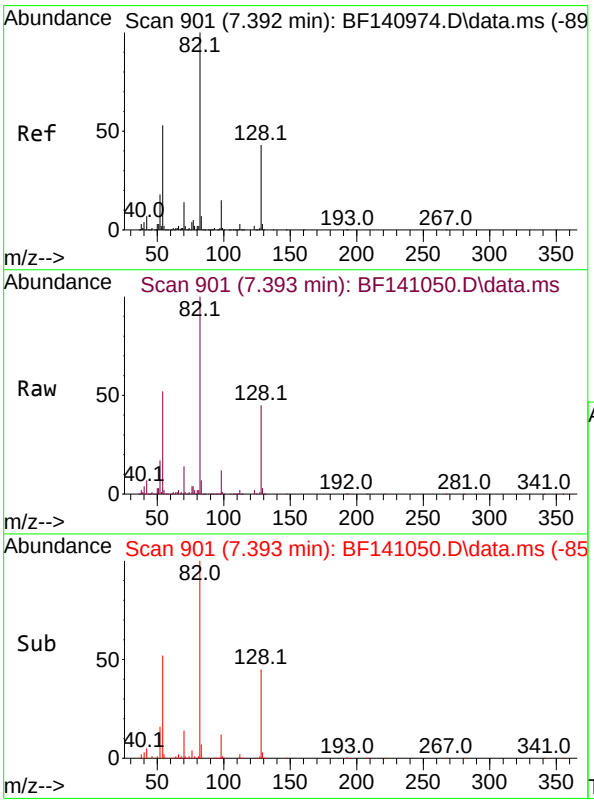
#22
Acetophenone
Concen: 49.744 ng
RT: 7.240 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:105 Resp: 1121412

Ion	Ratio	Lower	Upper
105	100		
71	7.4	6.1	9.1
51	35.0	25.8	38.6
120	22.5	18.1	27.1

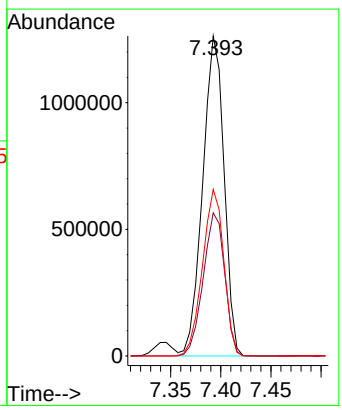


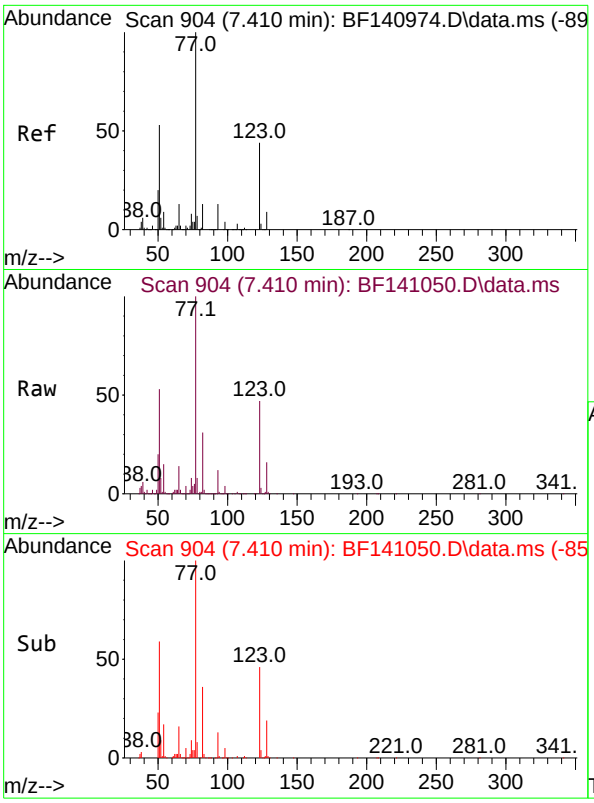


#23
Nitrobenzene-d5
Concen: 130.300 ng
RT: 7.393 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 82 Resp: 1871617

Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.4	51.6
54	52.1	42.4	63.6



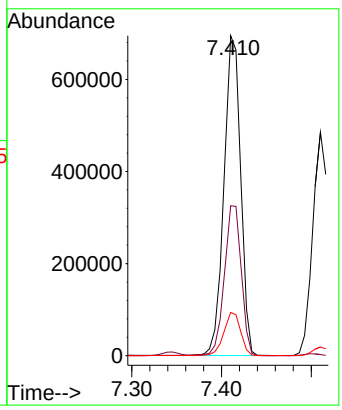


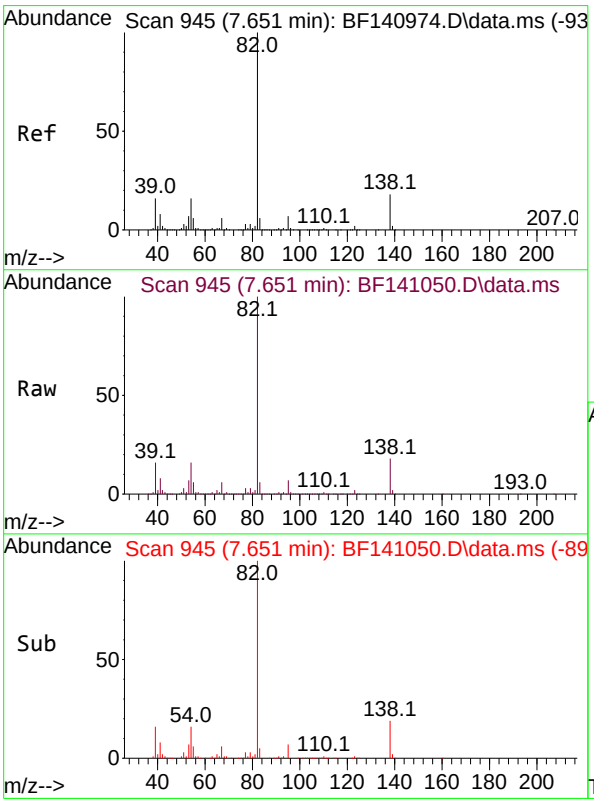
#24
Nitrobenzene
Concen: 55.904 ng
RT: 7.410 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 77 Resp: 897277

Ion	Ratio	Lower	Upper
77	100		
123	46.8	35.4	53.2
65	13.5	10.7	16.1

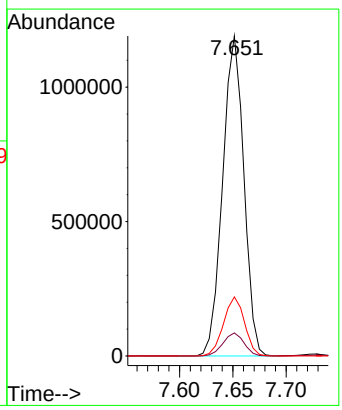


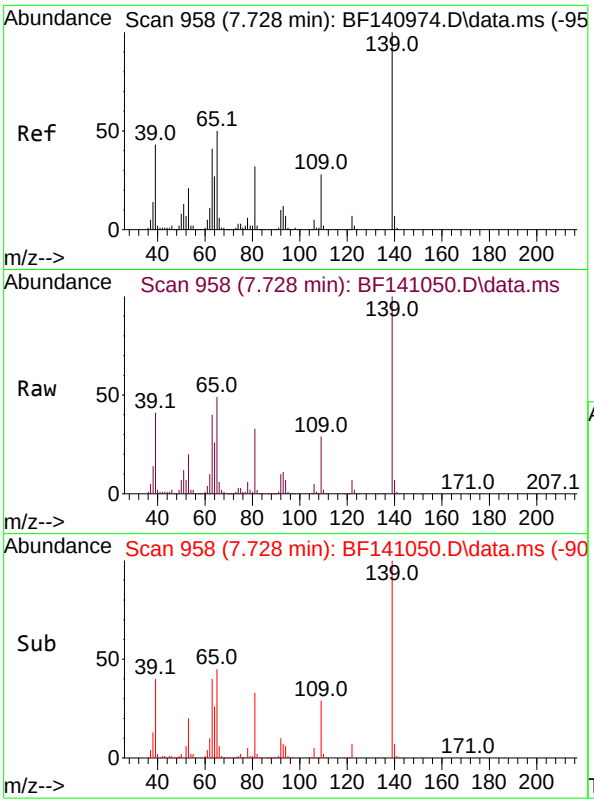


#25
Isophorone
Concen: 52.685 ng
RT: 7.651 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 82 Resp: 1646747

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	18.5	14.6	21.8



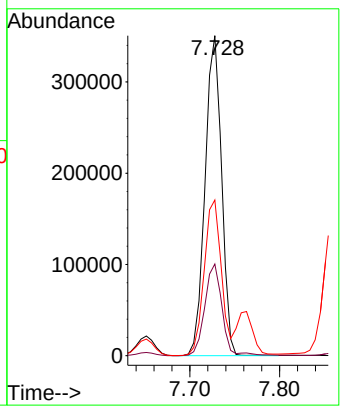


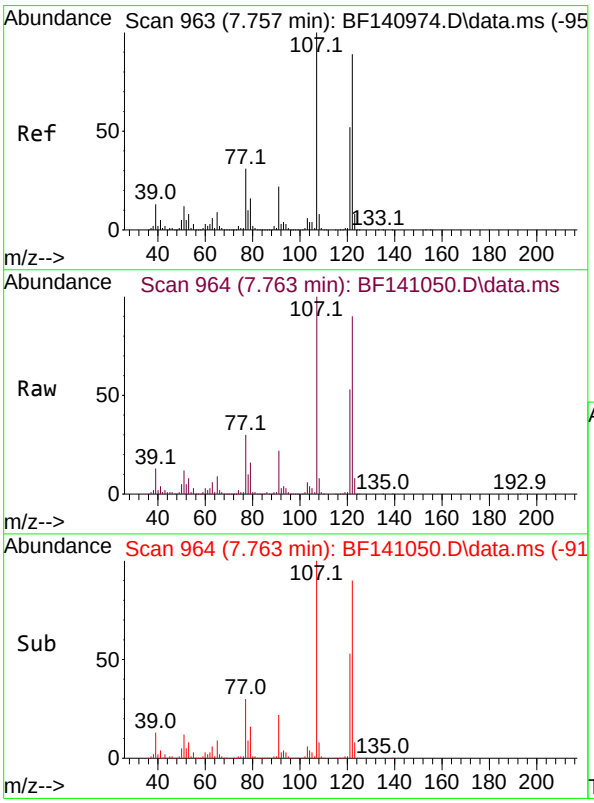
#26
2-Nitrophenol
Concen: 65.898 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:139 Resp: 448067

Ion	Ratio	Lower	Upper
139	100		
109	28.7	22.2	33.4
65	48.6	40.2	60.4

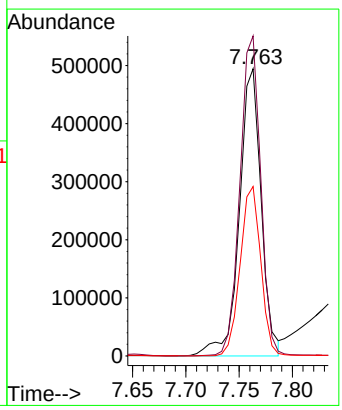


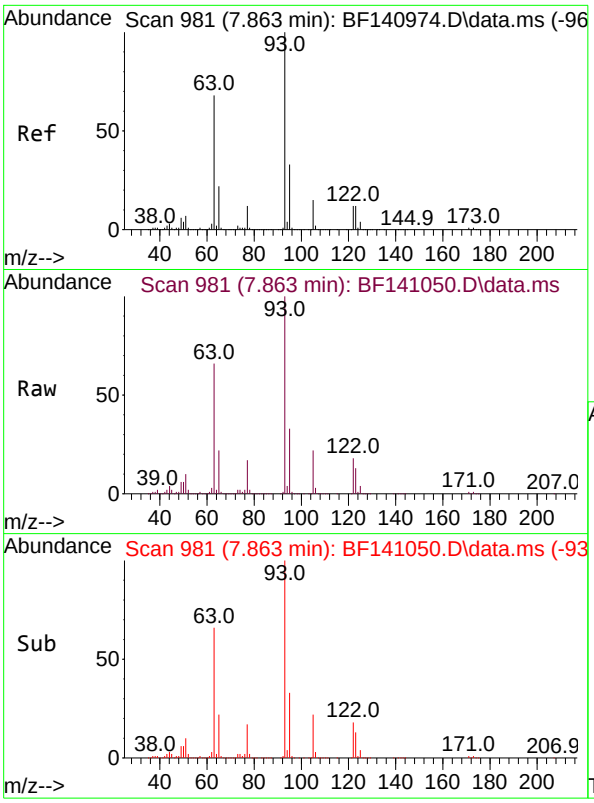


#27
2,4-Dimethylphenol
Concen: 61.930 ng
RT: 7.763 min Scan# 964
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:122 Resp: 707452

Ion	Ratio	Lower	Upper
122	100		
107	111.4	89.4	134.2
121	59.0	46.7	70.1



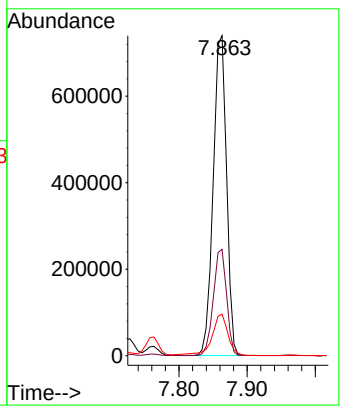


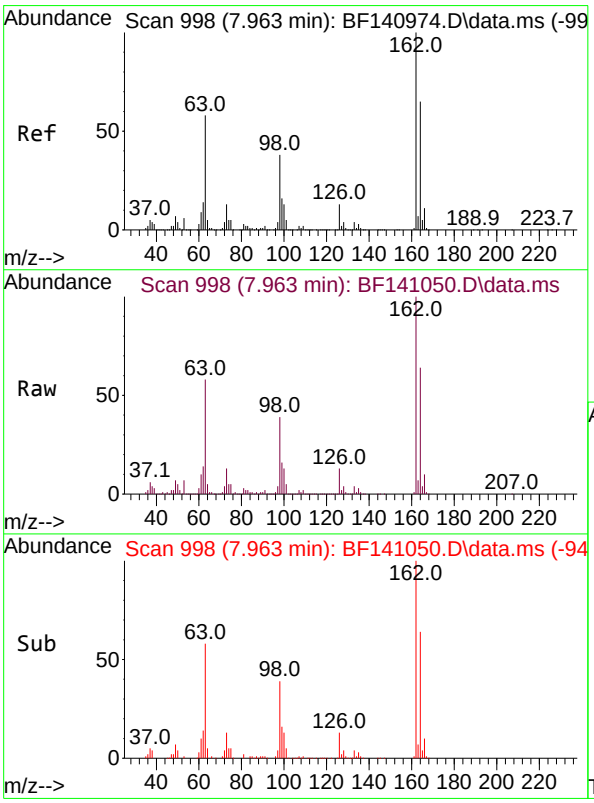
#28
bis(2-Chloroethoxy)methane
Concen: 50.930 ng
RT: 7.863 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 93 Resp: 1008599

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.2	39.4
123	13.0	9.9	14.9

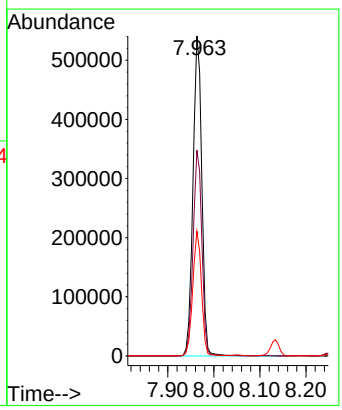


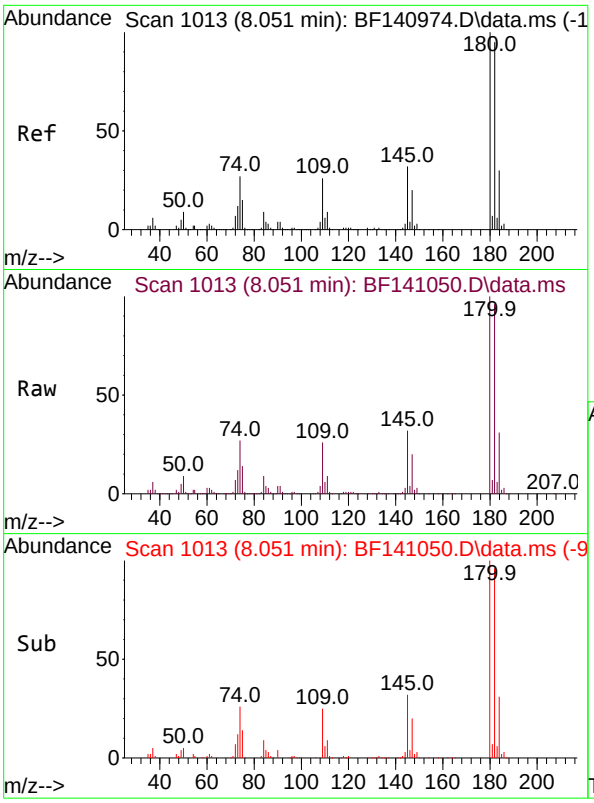


#29
2,4-Dichlorophenol
Concen: 55.360 ng
RT: 7.963 min Scan# 998
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:162 Resp: 717237

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.8	84.8
98	39.0	18.6	58.6



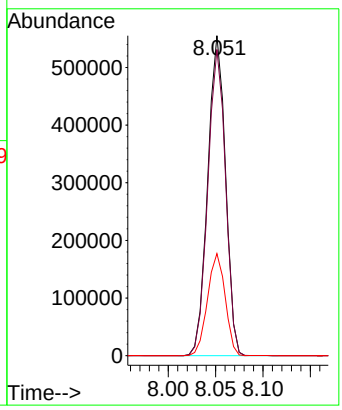


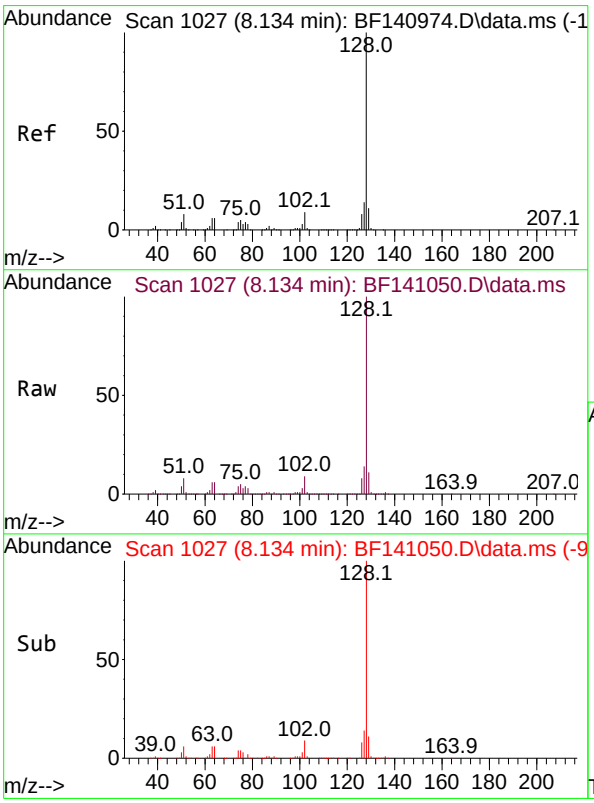
#30
1,2,4-Trichlorobenzene
Concen: 49.213 ng
RT: 8.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:180 Resp: 721653

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.2	114.4
145	31.9	25.4	38.2

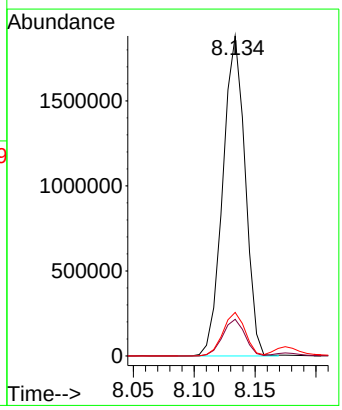


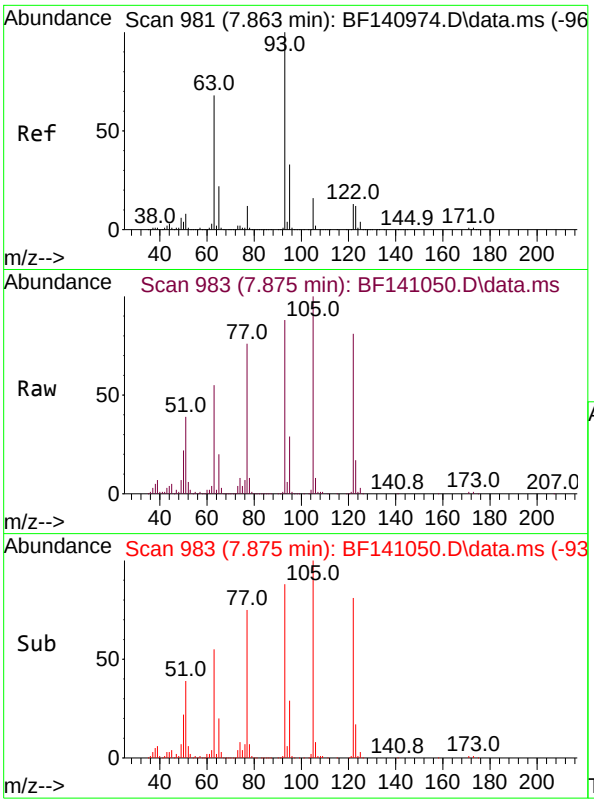


#31
Naphthalene
Concen: 49.477 ng
RT: 8.134 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:128 Resp: 2395909

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.6	11.0	16.4



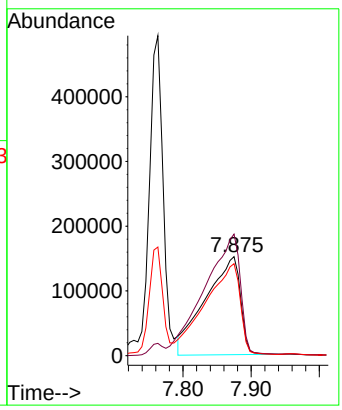


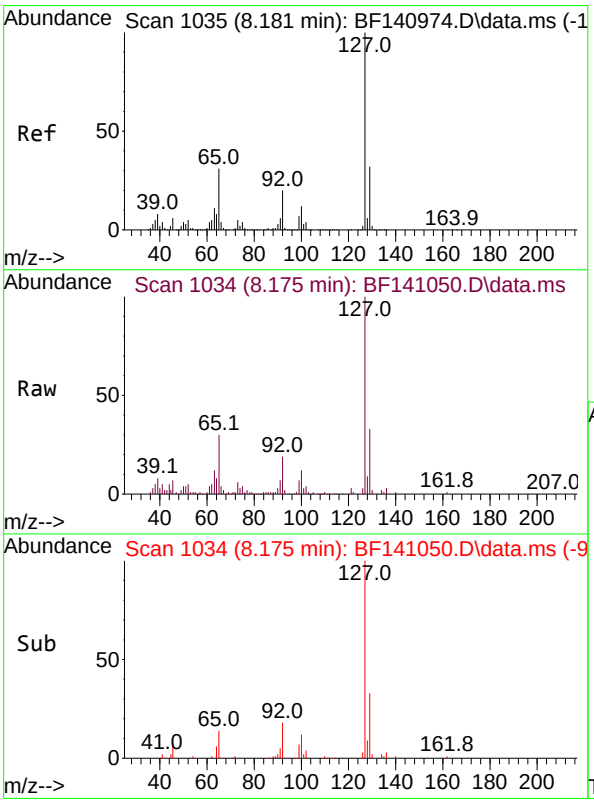
#32
Benzoic acid
Concen: 55.871 ng
RT: 7.875 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:122 Resp: 539358

Ion	Ratio	Lower	Upper
122	100		
105	122.8	105.4	145.4
77	92.9	76.4	116.4

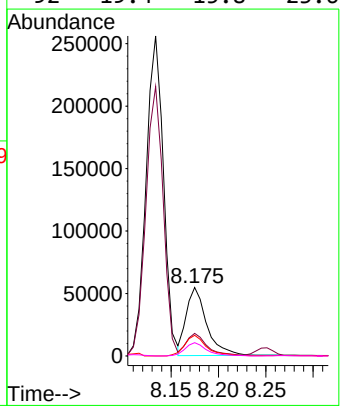


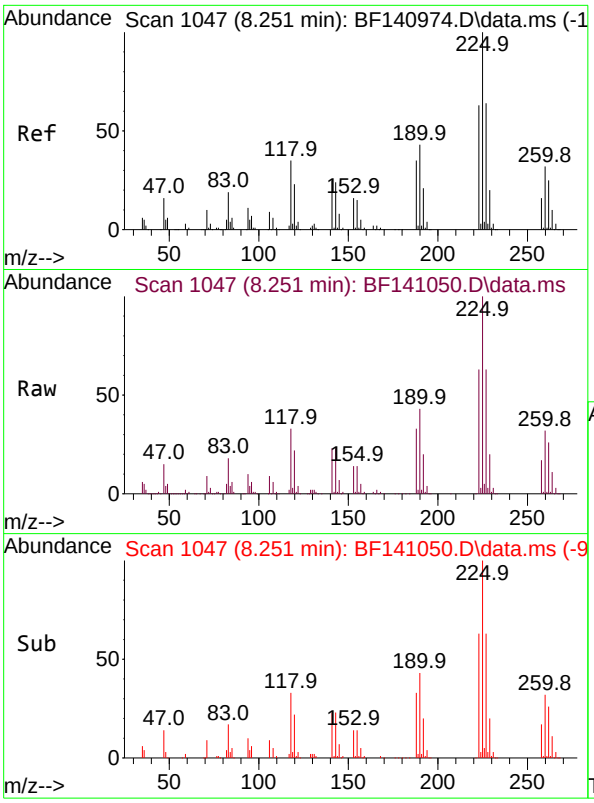


#33
4-Chloroaniline
Concen: 4.670 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:127 Resp: 81811

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	30.2	24.6	37.0
92	19.4	15.8	23.6



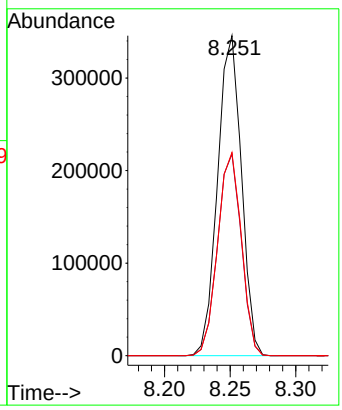


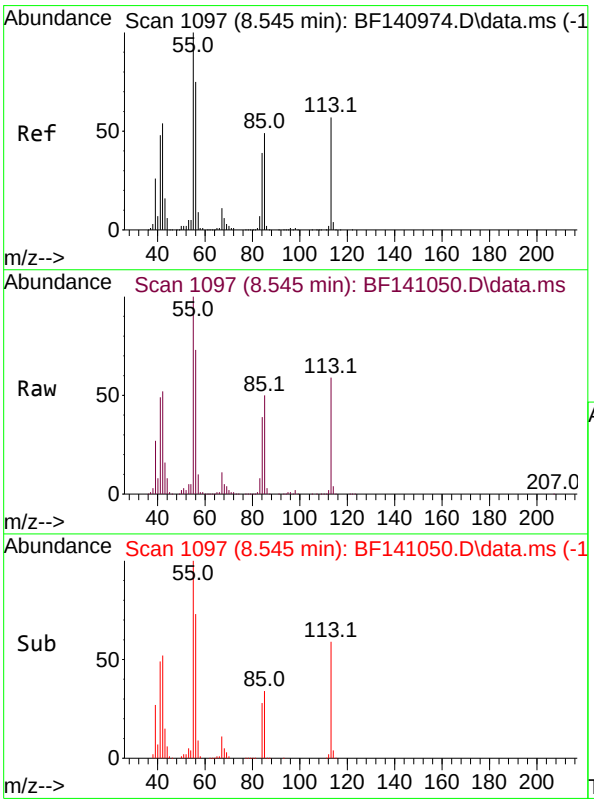
#34
Hexachlorobutadiene
Concen: 50.482 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:225 Resp: 436407

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5
227	63.5	50.8	76.2

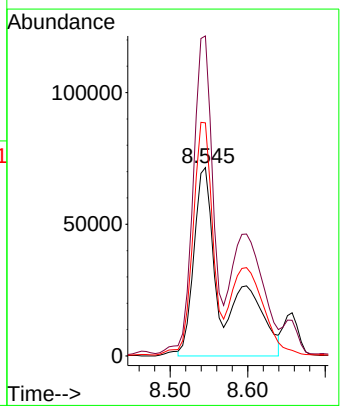


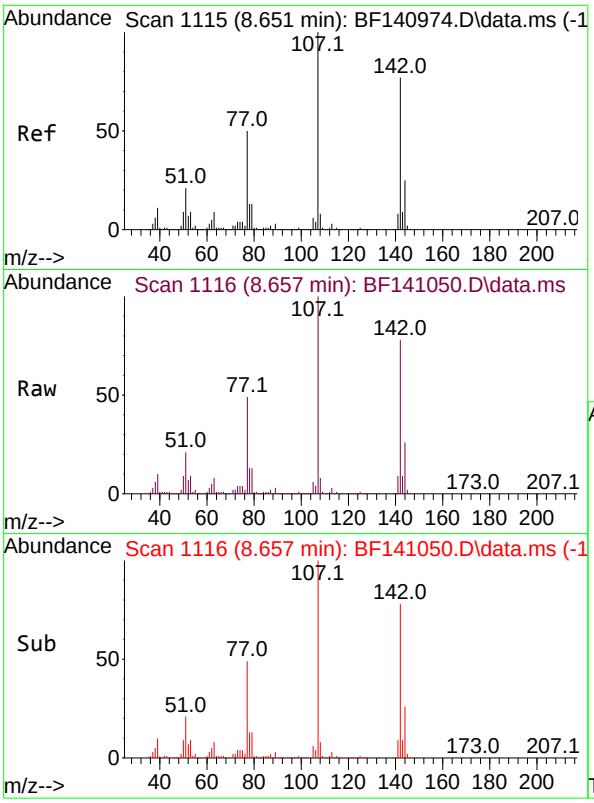


#35
Caprolactam
Concen: 45.067 ng m
RT: 8.545 min Scan# 1097
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:113 Resp: 198493

Ion	Ratio	Lower	Upper
113	100		
55	170.0	156.6	196.6
56	123.8	111.7	151.7



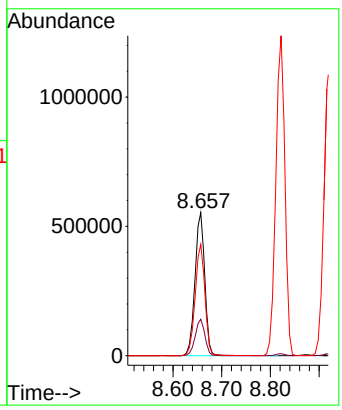


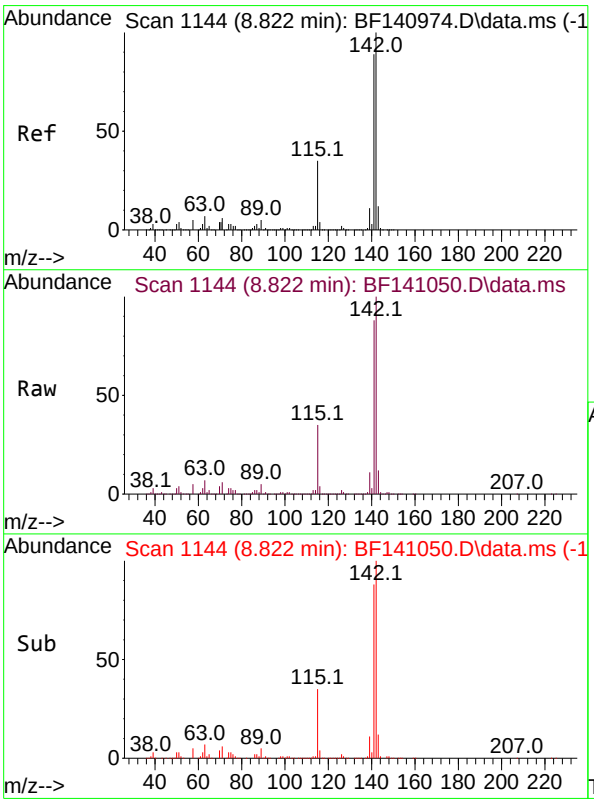
#36
4-Chloro-3-methylphenol
Concen: 53.955 ng
RT: 8.657 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:107 Resp: 776315

Ion	Ratio	Lower	Upper
107	100		
144	25.5	19.9	29.9
142	77.8	61.8	92.8

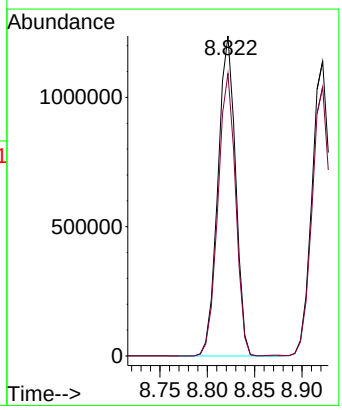


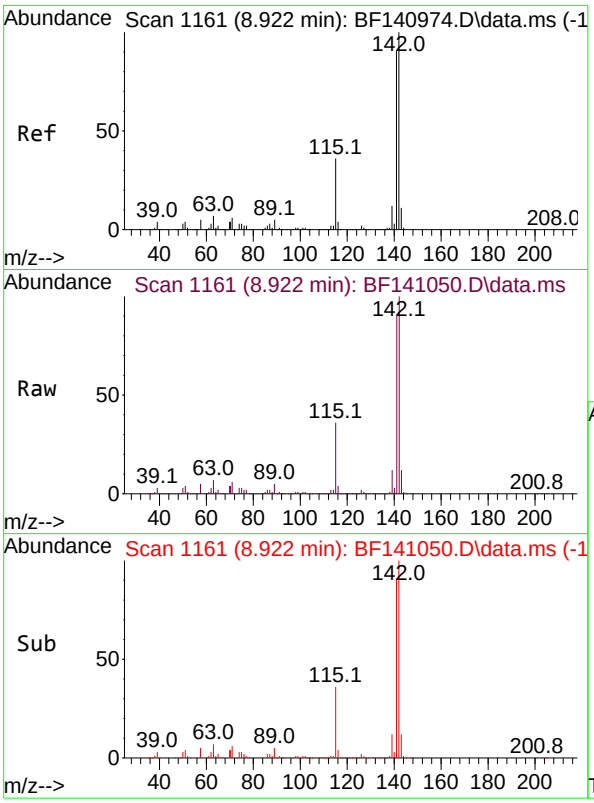


#37
2-Methylnaphthalene
Concen: 51.840 ng
RT: 8.822 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:142 Resp: 1605935

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.1	106.7



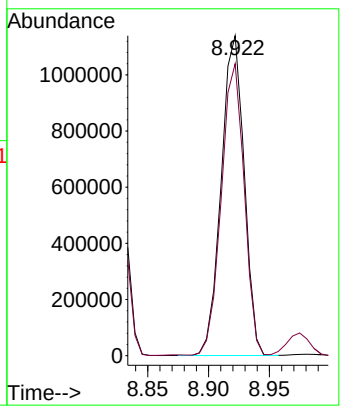


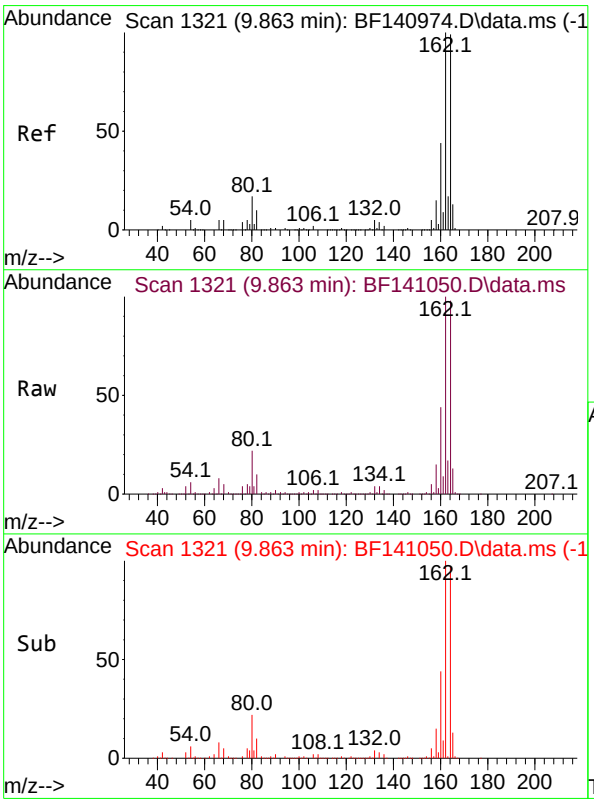
#38
1-Methylnaphthalene
Concen: 49.105 ng
RT: 8.922 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:142 Resp: 1495035

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.7	109.1

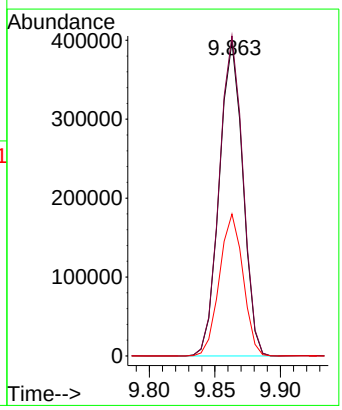


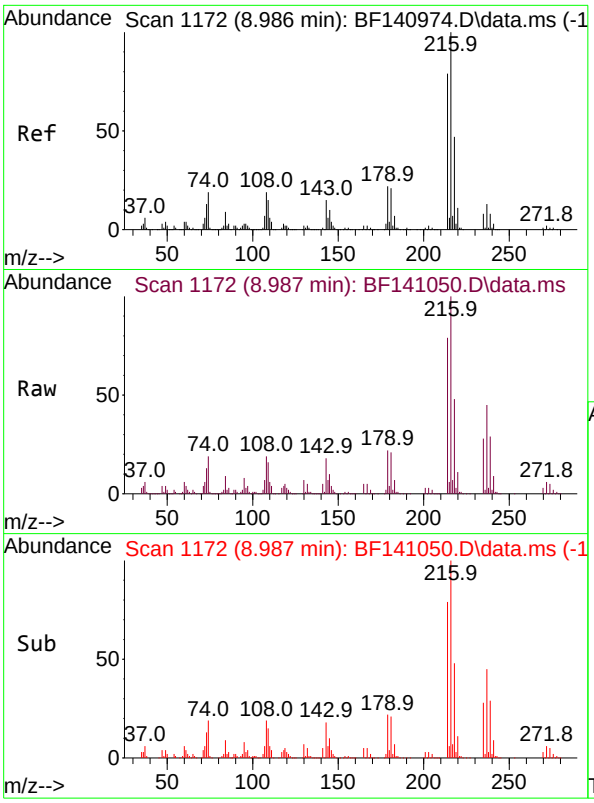


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:164 Resp: 496643

Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.6	120.8
160	45.2	35.7	53.5



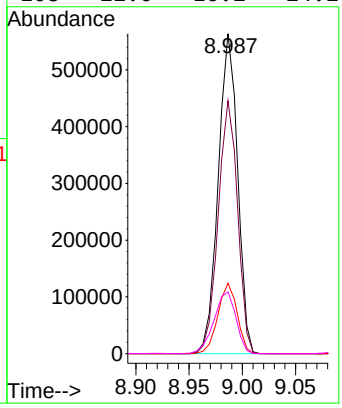


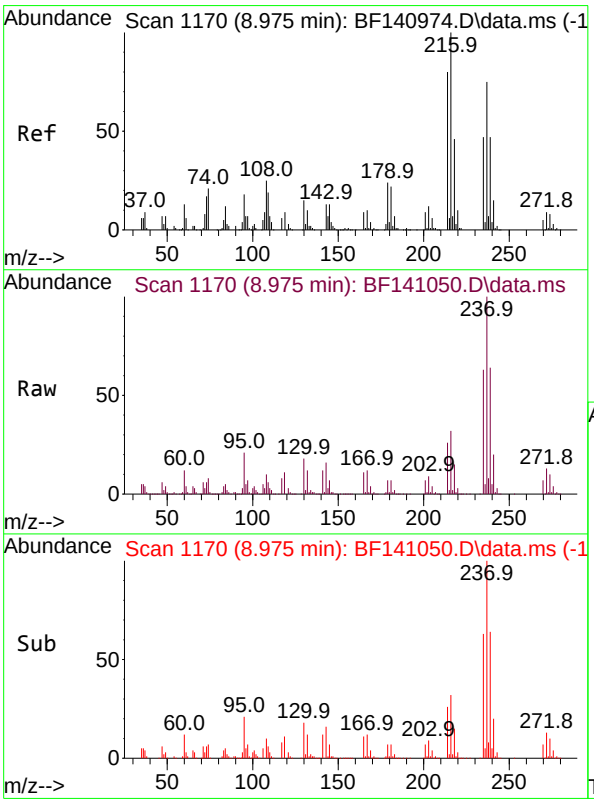
#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.098 ng
RT: 8.987 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:216 Resp: 711829

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.6
179	21.9	17.9	26.9
108	22.0	16.2	24.2

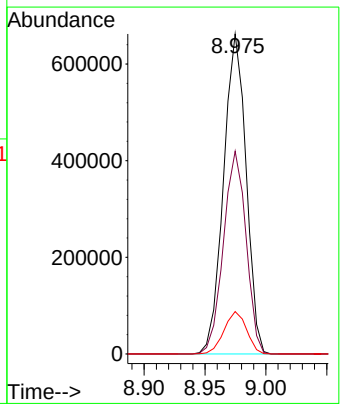


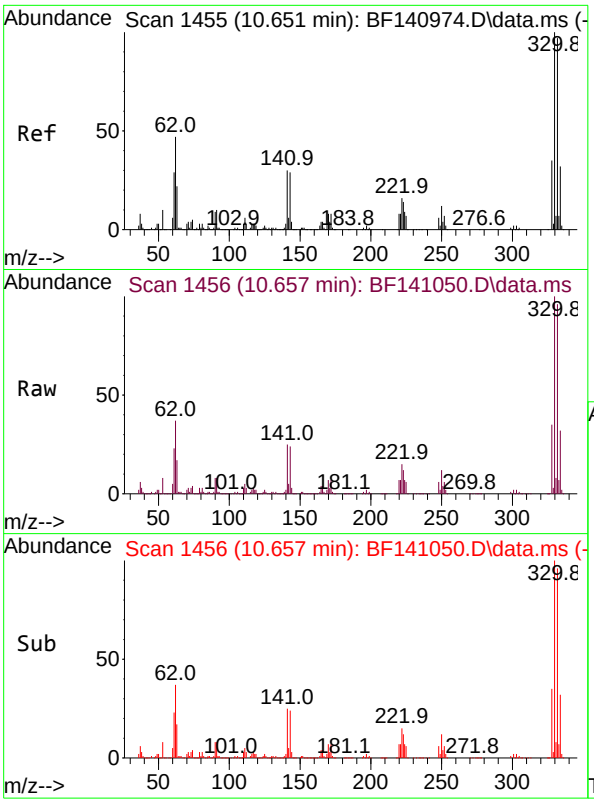


#41
Hexachlorocyclopentadiene
Concen: 188.489 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:237 Resp: 853450

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.4	83.4
272	13.2	0.0	32.6



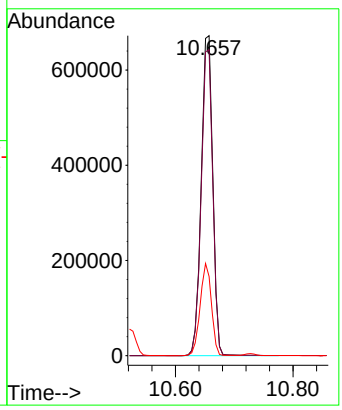


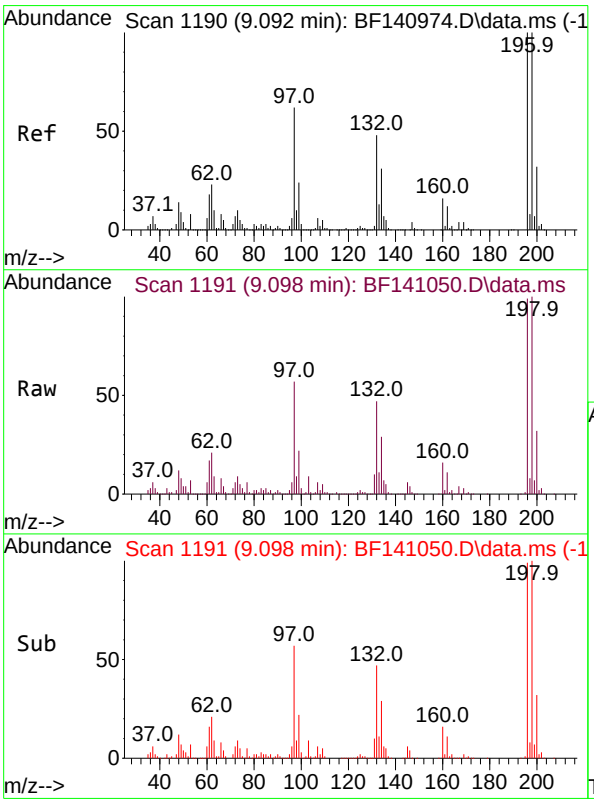
#42
2,4,6-Tribromophenol
Concen: 189.587 ng
RT: 10.657 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:330 Resp: 914930

Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.0	117.0
141	28.2	26.4	39.6

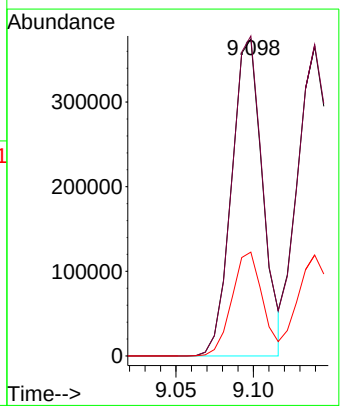


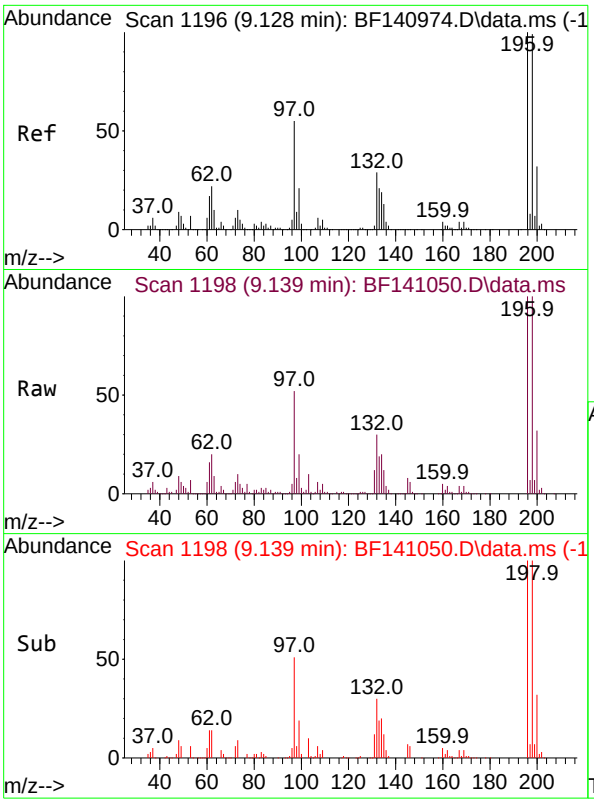


#43
2,4,6-Trichlorophenol
Concen: 57.227 ng
RT: 9.098 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:196 Resp: 520399

Ion	Ratio	Lower	Upper
196	100		
198	101.0	80.2	120.4
200	32.8	25.8	38.6



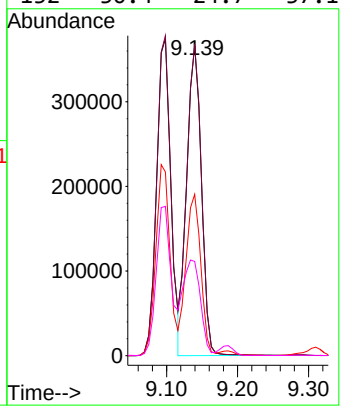


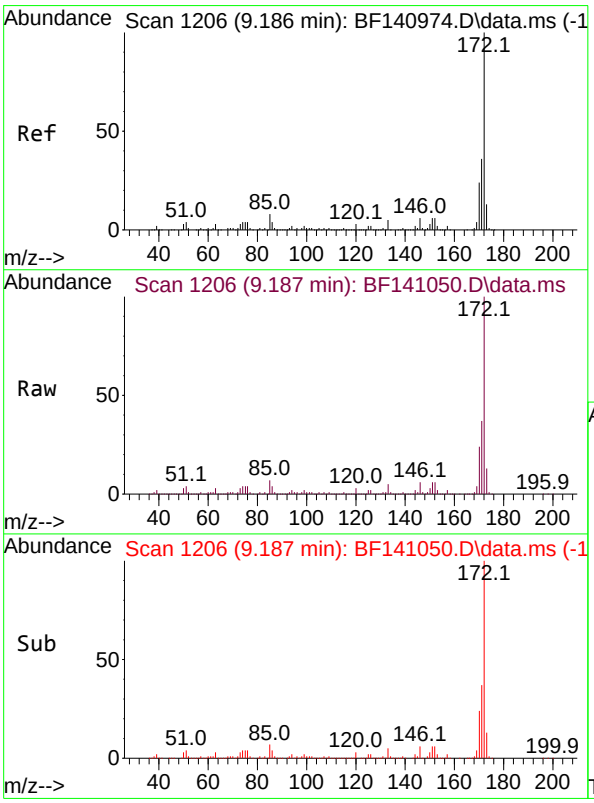
#44
2,4,5-Trichlorophenol
Concen: 56.928 ng
RT: 9.139 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:196 Resp: 529687

Ion	Ratio	Lower	Upper
196	100		
198	100.5	79.9	119.9
97	52.0	44.3	66.5
132	30.4	24.7	37.1

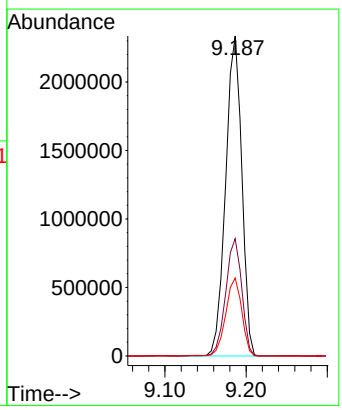


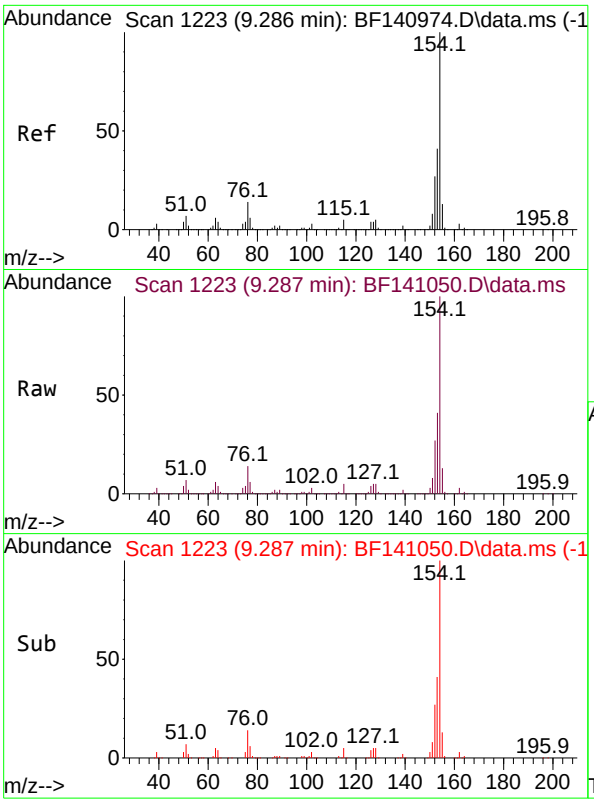


#45
2-Fluorobiphenyl
Concen: 103.602 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:172 Resp: 3229458

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.0	43.4
170	24.4	19.6	29.4



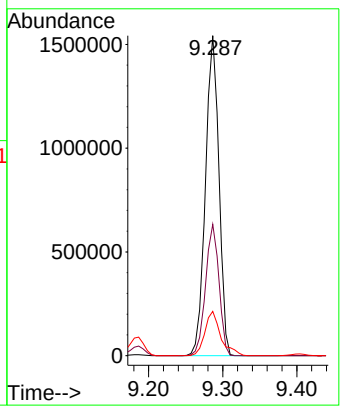


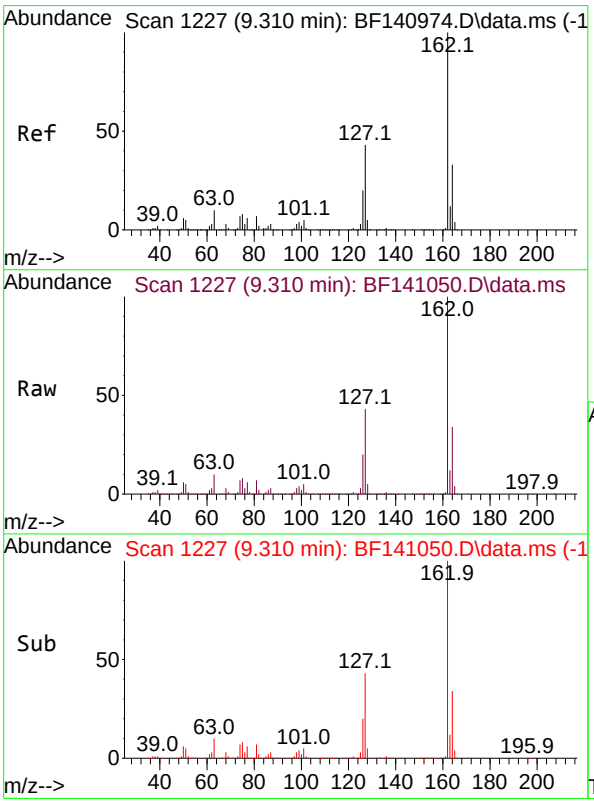
#46
1,1'-Biphenyl
Concen: 51.155 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:154 Resp: 1945296

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.9	60.9
76	13.9	0.0	34.0

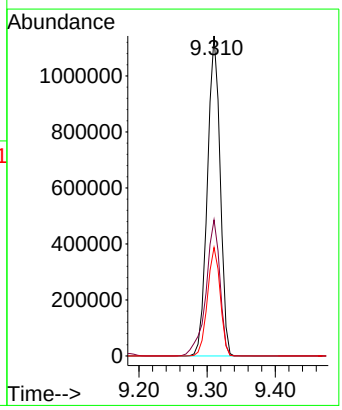


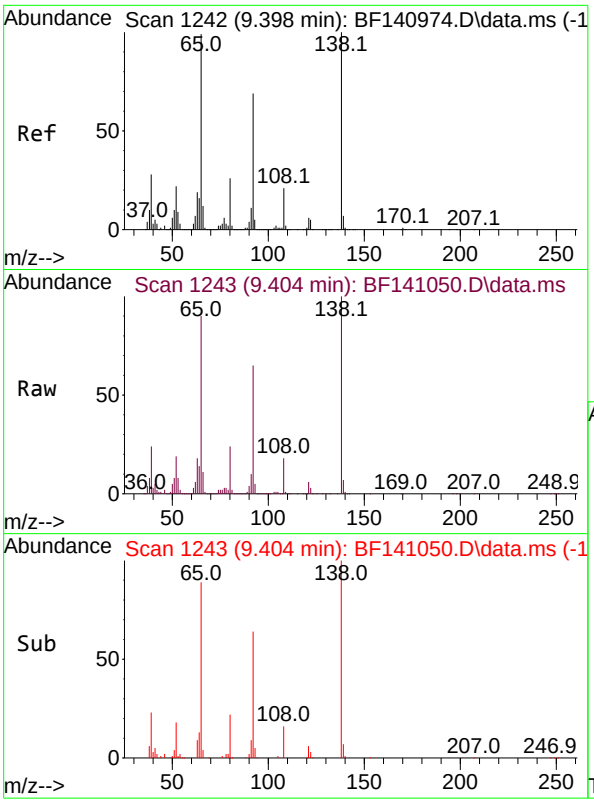


#47
2-Chloronaphthalene
Concen: 50.336 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:162 Resp: 1484568

Ion	Ratio	Lower	Upper
162	100		
127	42.6	34.2	51.4
164	33.9	26.6	40.0



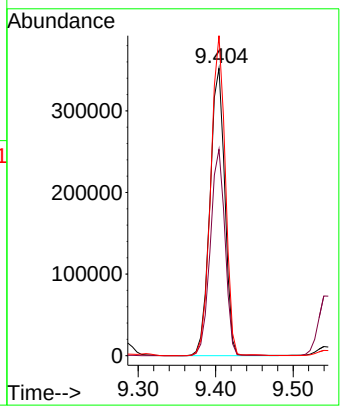


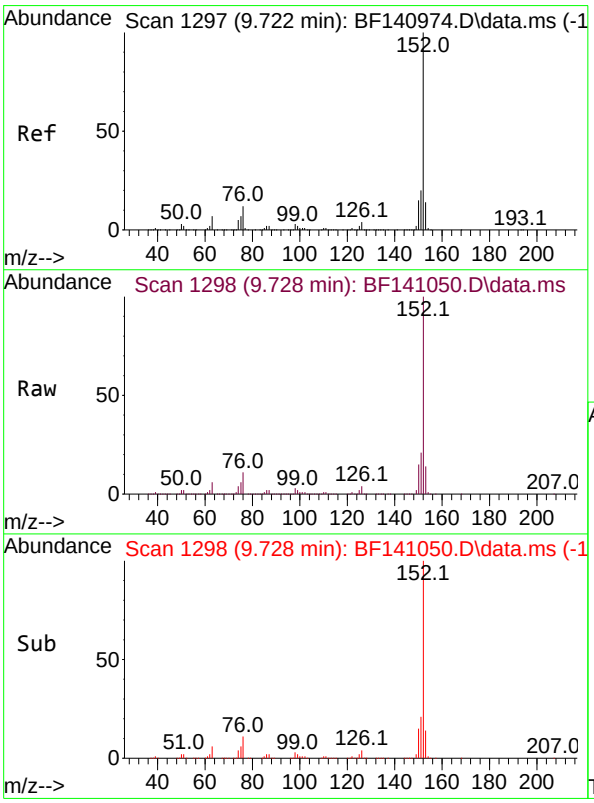
#48
2-Nitroaniline
Concen: 59.476 ng
RT: 9.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 65 Resp: 468373

Ion	Ratio	Lower	Upper
65	100		
92	71.8	55.6	83.4
138	111.3	80.5	120.7

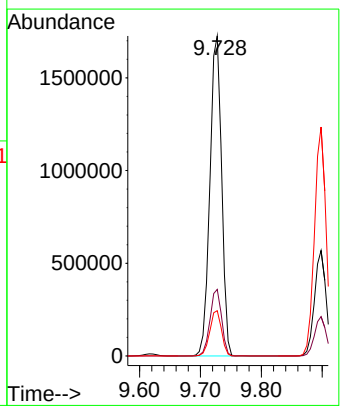


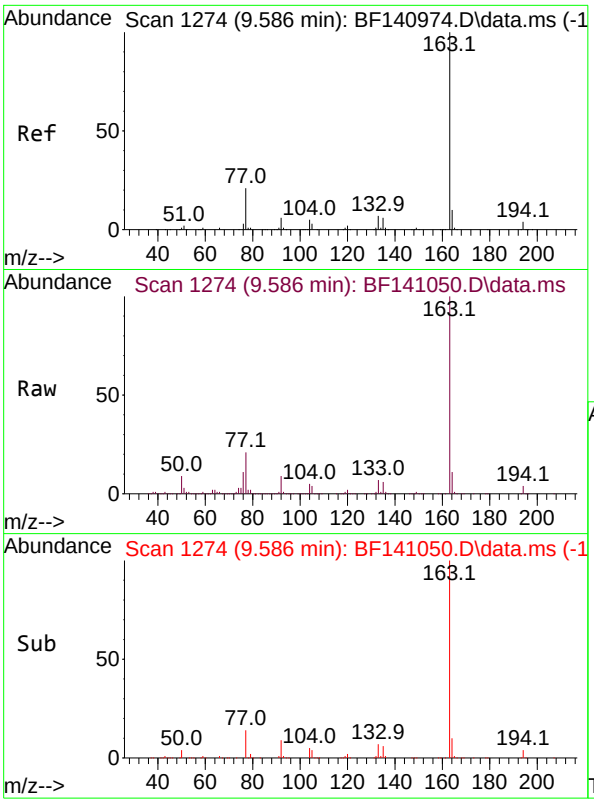


#49
Acenaphthylene
Concen: 54.347 ng
RT: 9.728 min Scan# 1298
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:152 Resp: 2307406

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.4
153	14.2	11.4	17.0



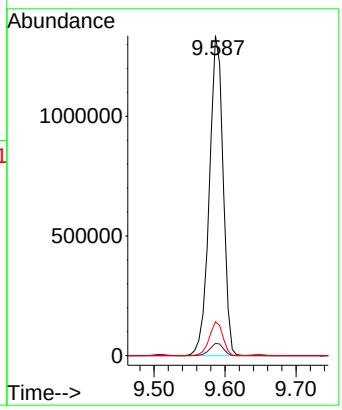


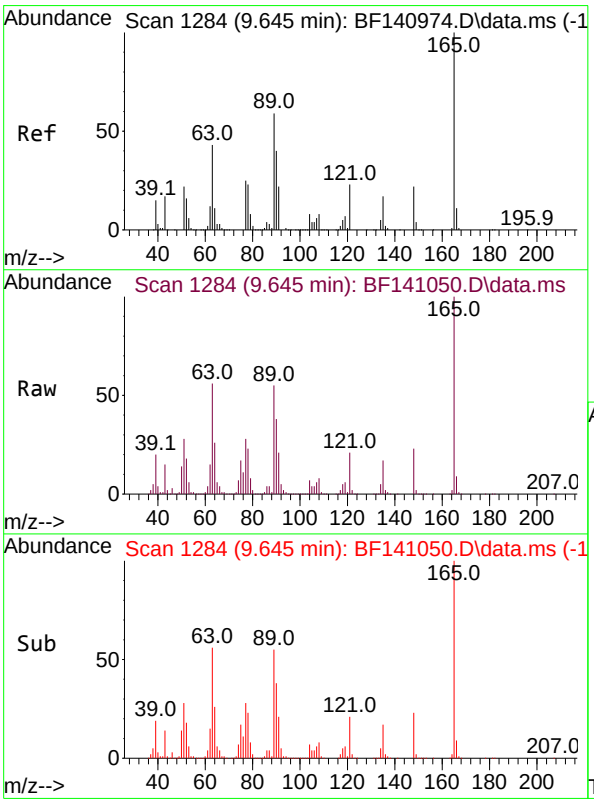
#50
Dimethylphthalate
Concen: 55.187 ng
RT: 9.586 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:163 Resp: 1802824

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.6	8.3	12.5

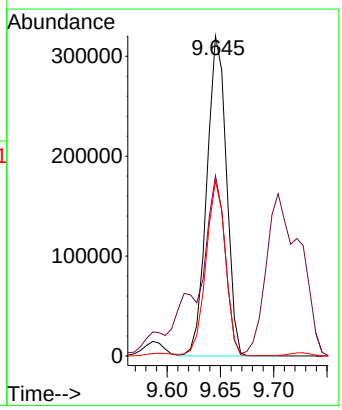


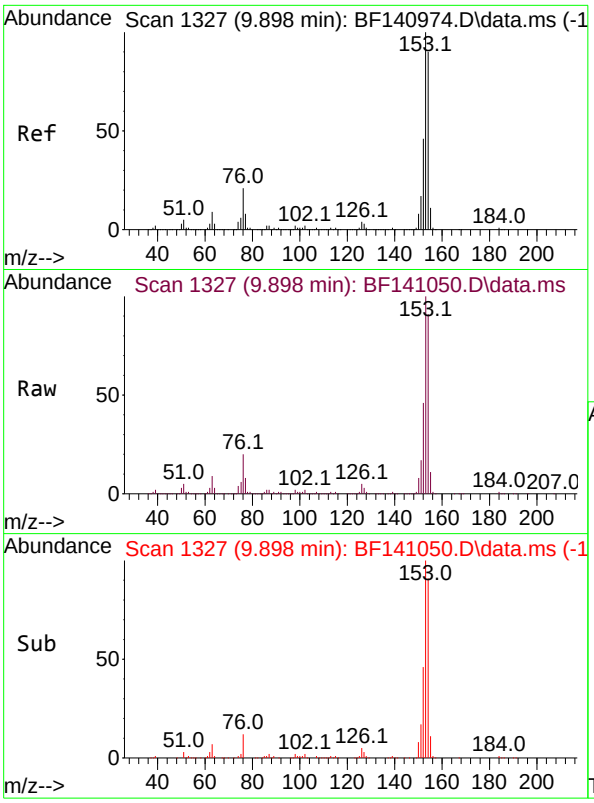


#51
2,6-Dinitrotoluene
Concen: 60.426 ng
RT: 9.645 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:165 Resp: 409385

Ion	Ratio	Lower	Upper
165	100		
63	56.4	47.1	70.7
89	54.8	47.0	70.4



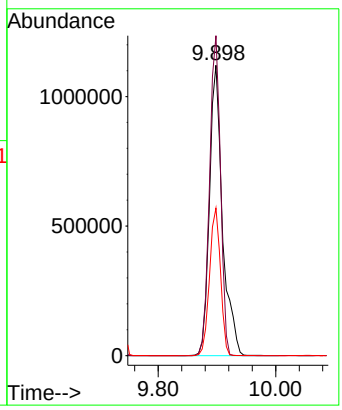


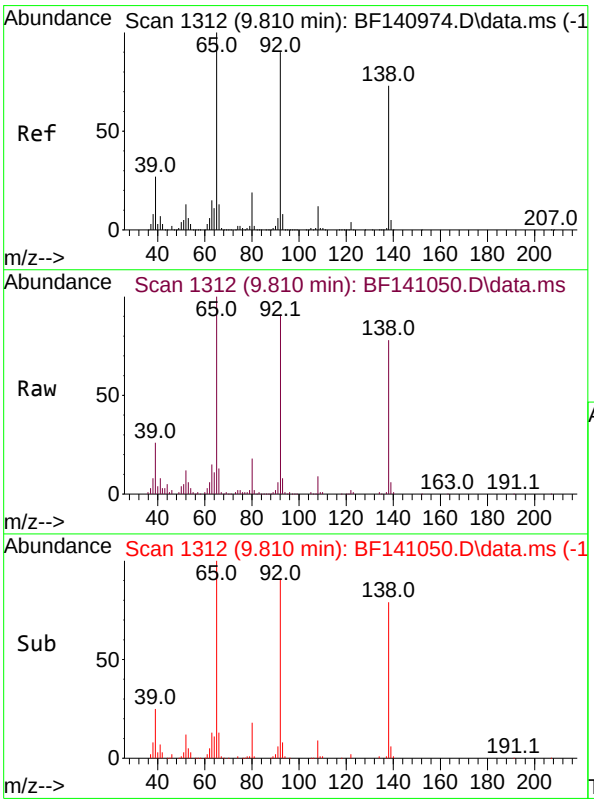
#52
Acenaphthene
Concen: 60.220 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:154 Resp: 1728479

Ion	Ratio	Lower	Upper
154	100		
153	110.2	89.2	133.8
152	50.8	40.9	61.3

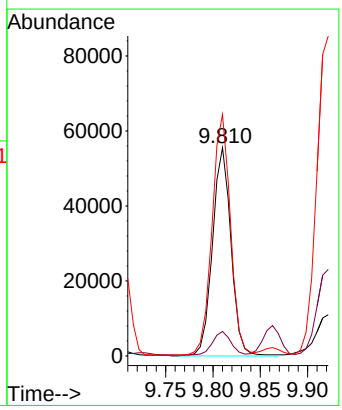


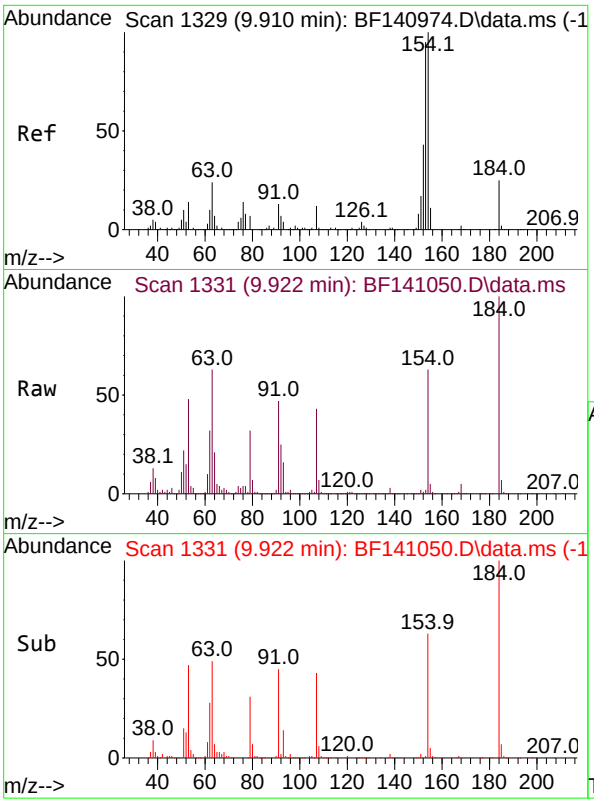


#53
3-Nitroaniline
Concen: 12.985 ng
RT: 9.810 min Scan# 1312
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:138 Resp: 75559

Ion	Ratio	Lower	Upper
138	100		
108	11.7	13.5	20.3#
92	115.9	97.7	146.5



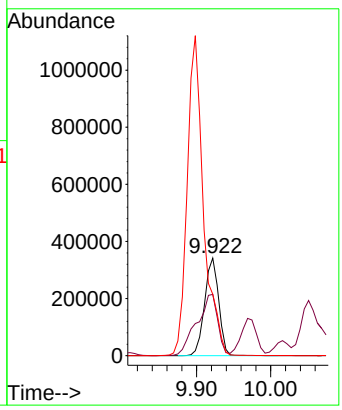


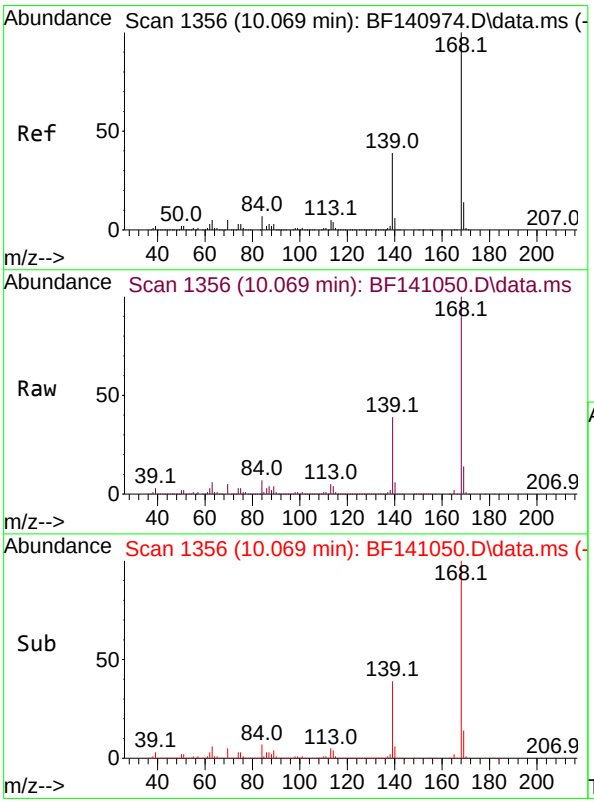
#54
2,4-Dinitrophenol
Concen: 131.272 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:184 Resp: 451441

Ion	Ratio	Lower	Upper
184	100		
63	62.7	81.6	122.4#
154	62.8	363.5	545.3#

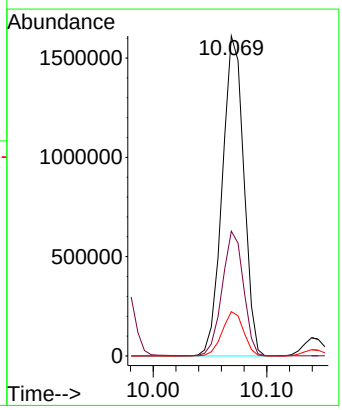


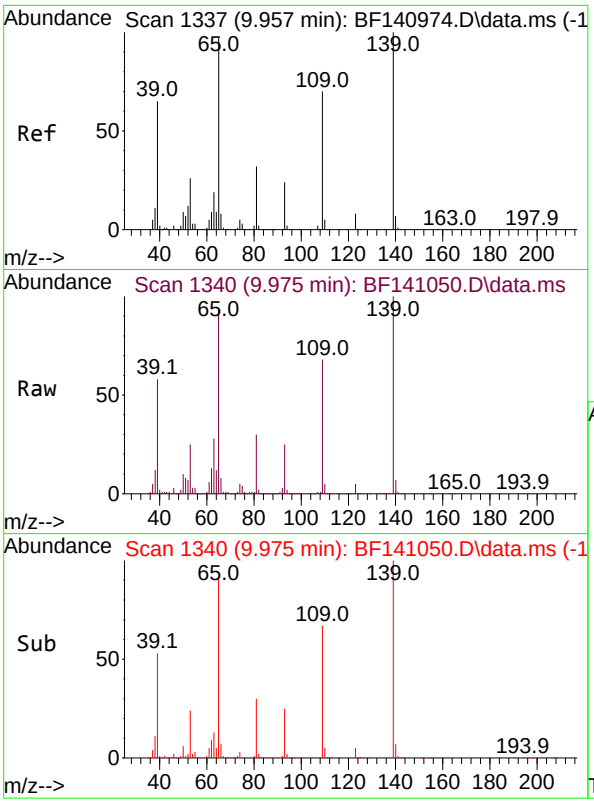


#55
Dibenzofuran
Concen: 52.501 ng
RT: 10.069 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:168 Resp: 2117754

Ion	Ratio	Lower	Upper
168	100		
139	39.0	31.6	47.4
169	13.8	11.0	16.6



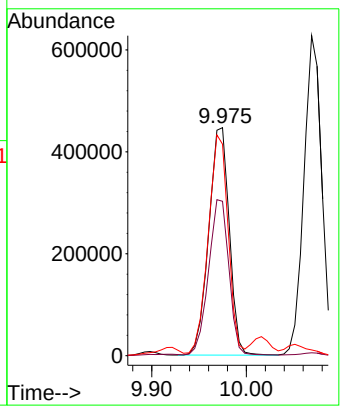


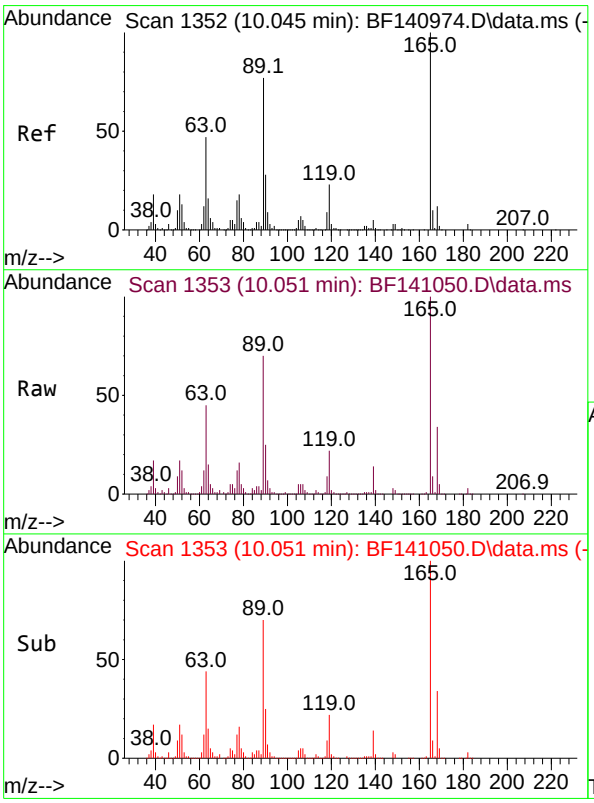
#56
4-Nitrophenol
Concen: 120.535 ng
RT: 9.975 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:139 Resp: 673553

Ion	Ratio	Lower	Upper
139	100		
109	67.7	50.8	90.8
65	92.8	78.5	118.5

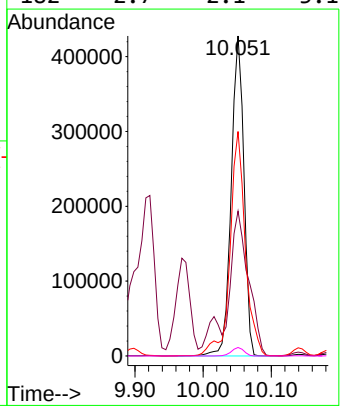


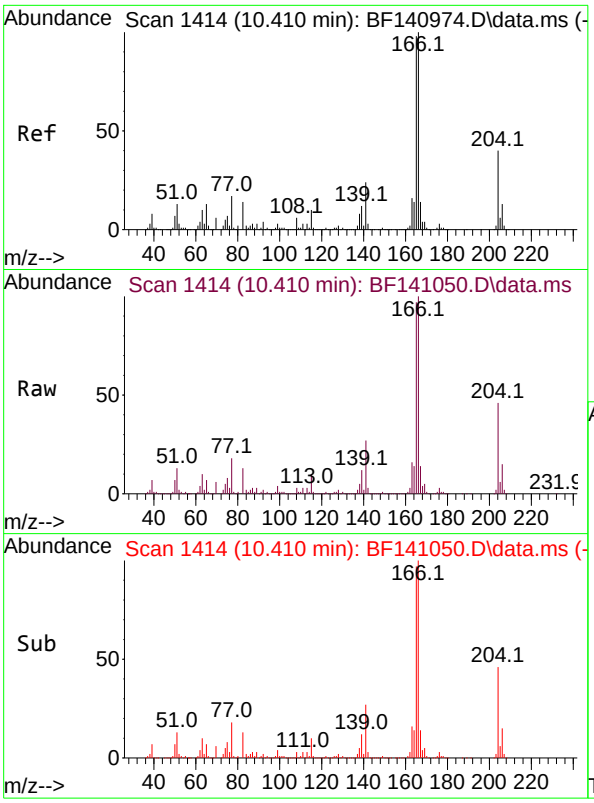


#57
2,4-Dinitrotoluene
Concen: 66.054 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:165 Resp: 553721

Ion	Ratio	Lower	Upper
165	100		
63	45.3	38.1	57.1
89	70.2	61.4	92.2
182	2.7	2.1	3.1



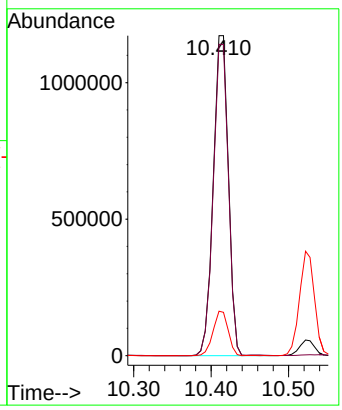


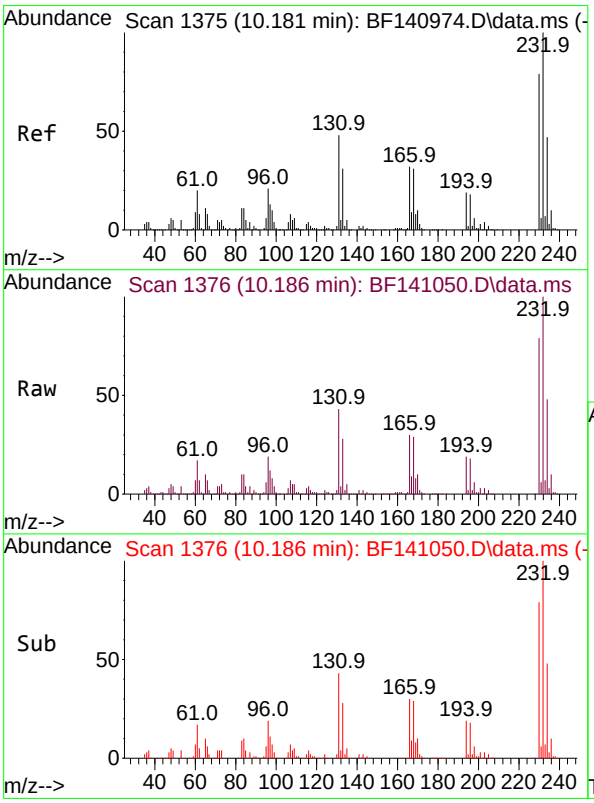
#58
Fluorene
Concen: 50.861 ng
RT: 10.410 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:166 Resp: 1590906

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.3	117.5
167	13.9	10.9	16.3

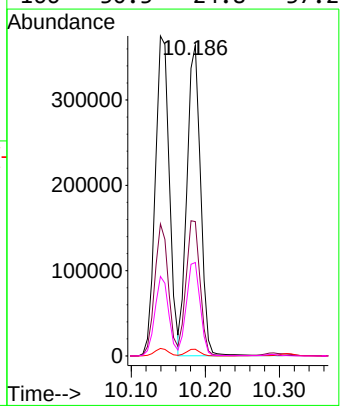


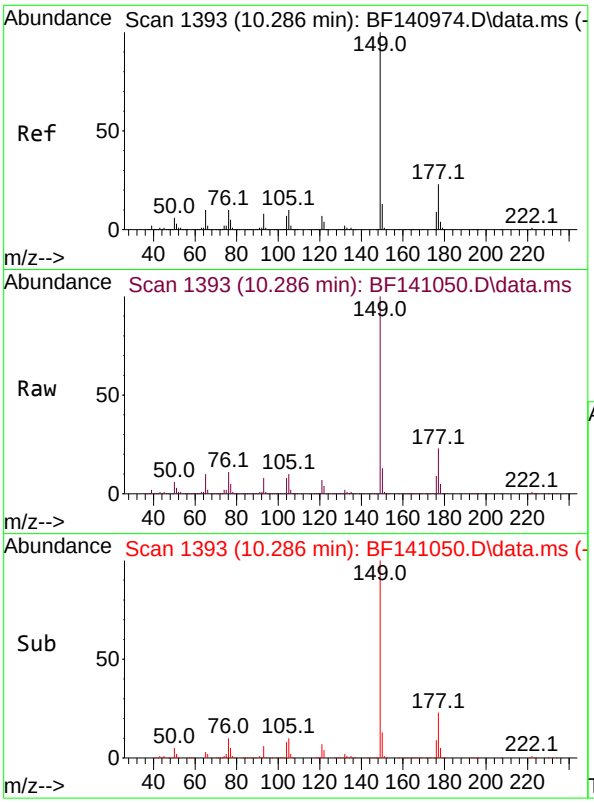


#59
2,3,4,6-Tetrachlorophenol
Concen: 60.364 ng
RT: 10.186 min Scan# 1376
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:232 Resp: 465162

Ion	Ratio	Lower	Upper
232	100		
131	44.6	37.4	56.2
130	2.2	1.8	2.8
166	30.3	24.8	37.2



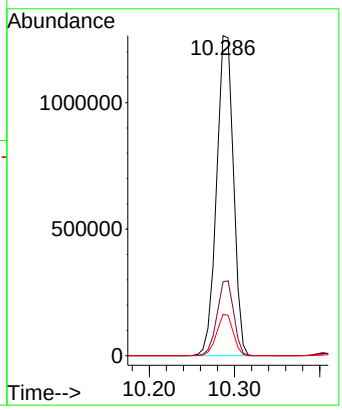


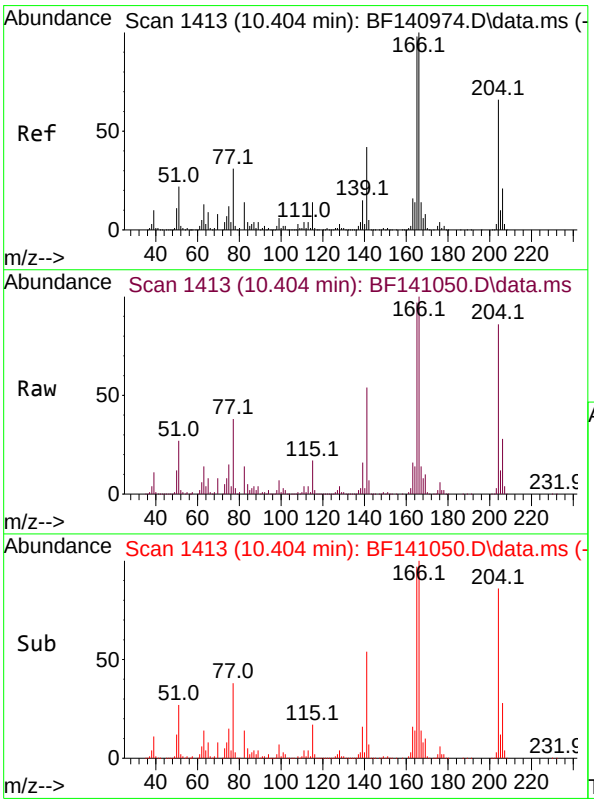
#60
Diethylphthalate
Concen: 53.874 ng
RT: 10.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:149 Resp: 1737471

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.3	27.5
150	12.9	10.4	15.6

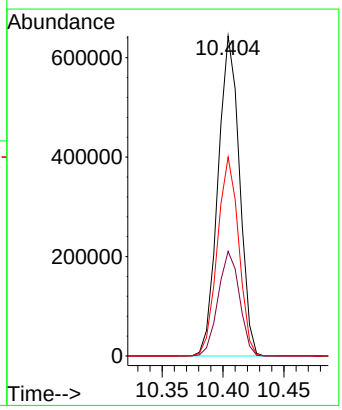


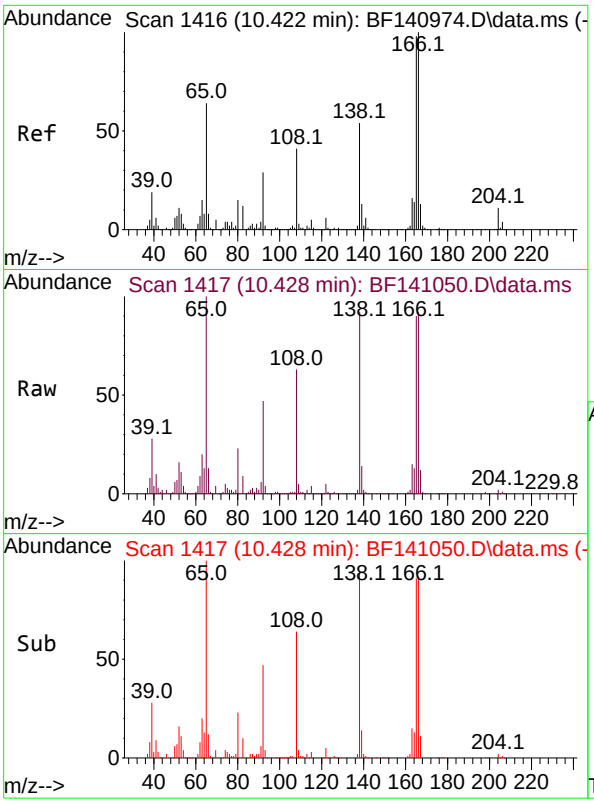


#61
4-Chlorophenyl-phenylether
Concen: 52.419 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:204 Resp: 788959

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.8	38.6
141	62.1	51.2	76.8



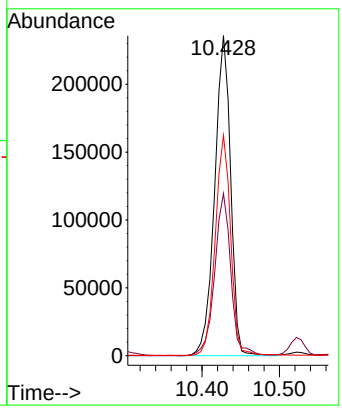


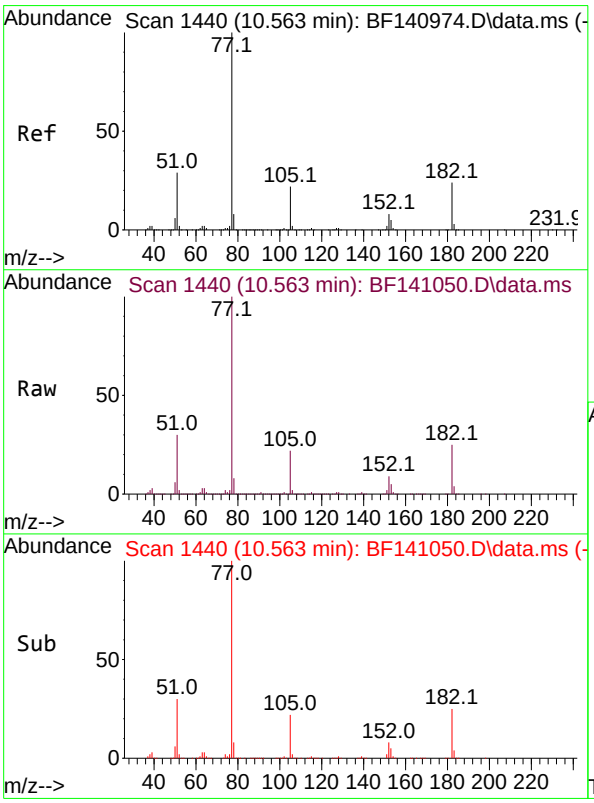
#62
4-Nitroaniline
Concen: 46.707 ng
RT: 10.428 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:138 Resp: 337363

Ion	Ratio	Lower	Upper
138	100		
92	50.6	34.8	74.8
108	68.8	55.9	95.9

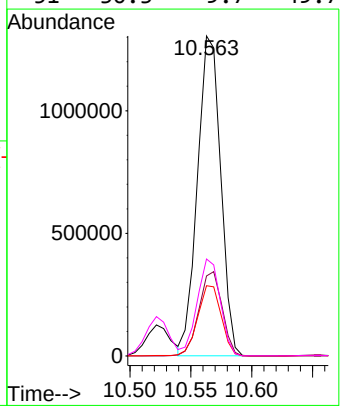


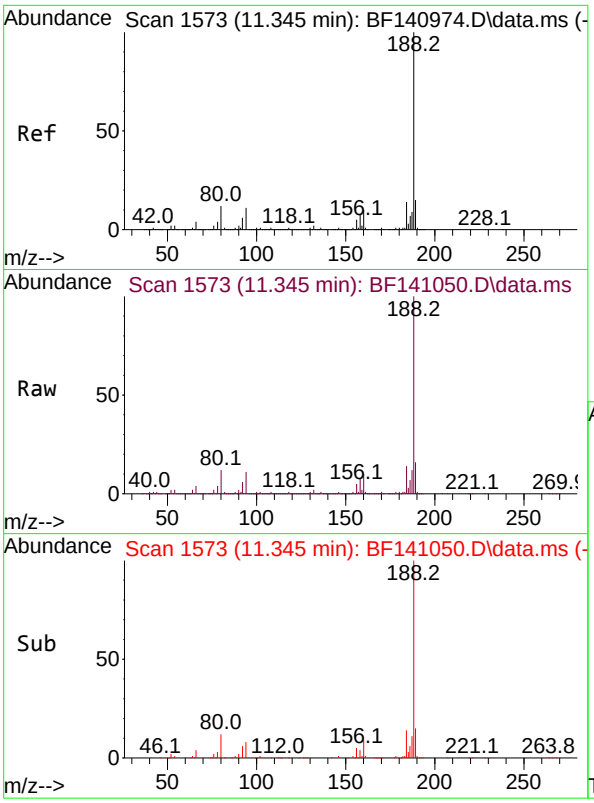


#63
Azobenzene
Concen: 51.072 ng
RT: 10.563 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 77 Resp: 1728825

Ion	Ratio	Lower	Upper
77	100		
182	25.0	4.1	44.1
105	21.9	1.8	41.8
51	30.3	9.7	49.7



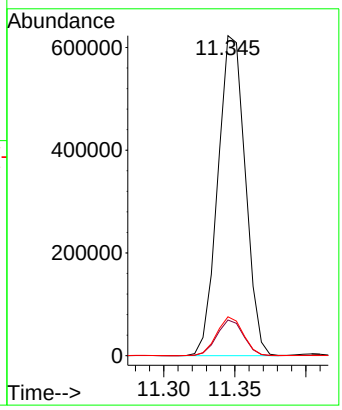


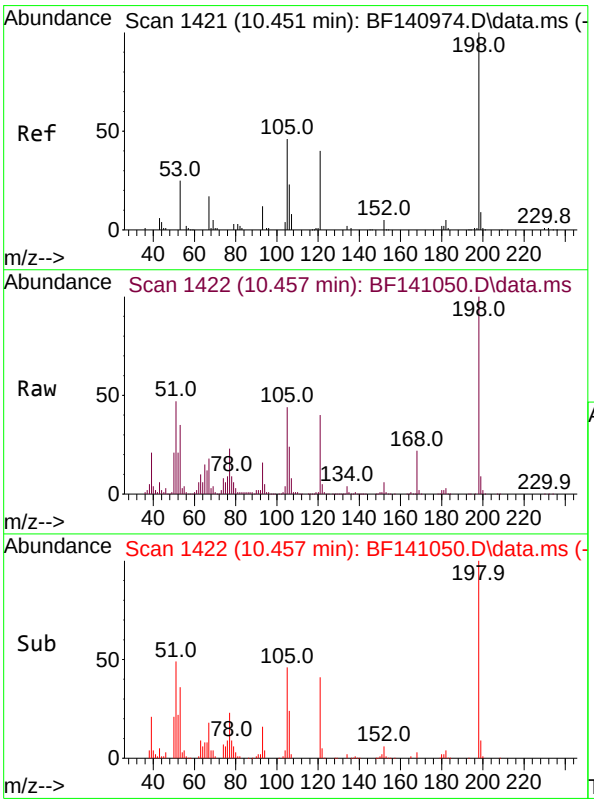
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:188 Resp: 836009

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.0	13.6
80	12.2	9.8	14.6

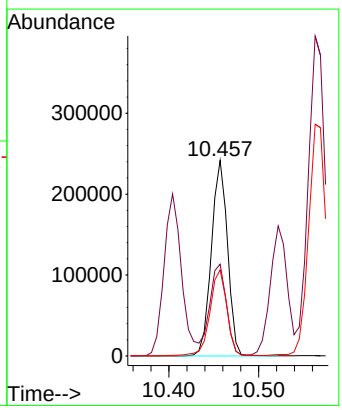


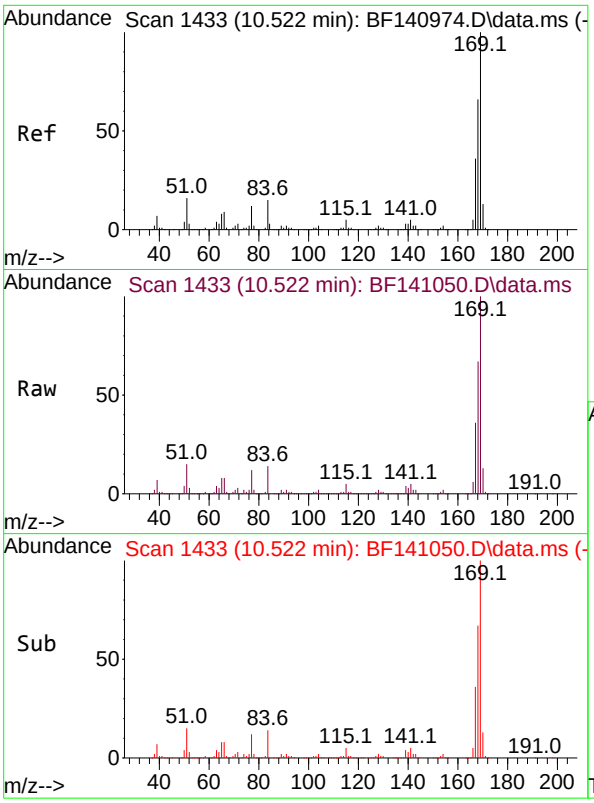


#65
4,6-Dinitro-2-methylphenol
Concen: 82.168 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:198 Resp: 301414

Ion	Ratio	Lower	Upper
198	100		
51	47.0	32.3	72.3
105	44.1	28.4	68.4



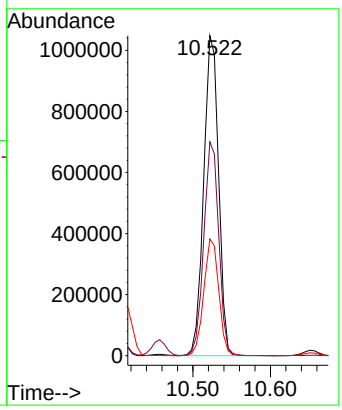


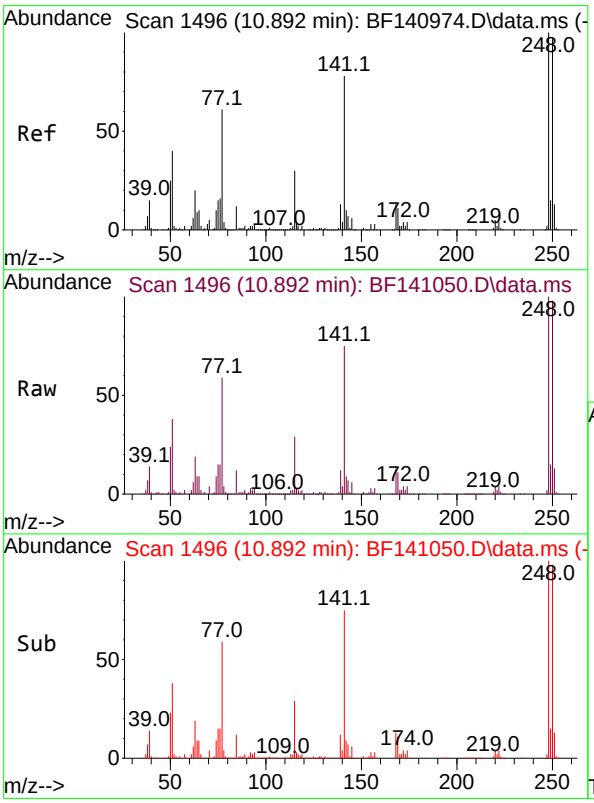
#66
n-Nitrosodiphenylamine
Concen: 52.920 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:169 Resp: 1393151

Ion	Ratio	Lower	Upper
169	100		
168	66.8	52.6	79.0
167	36.5	29.0	43.4

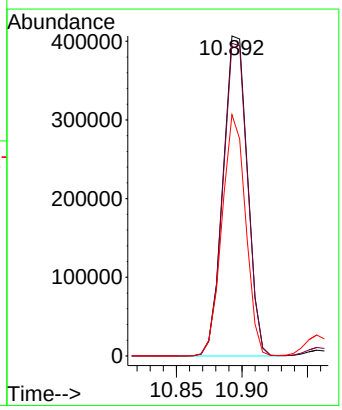


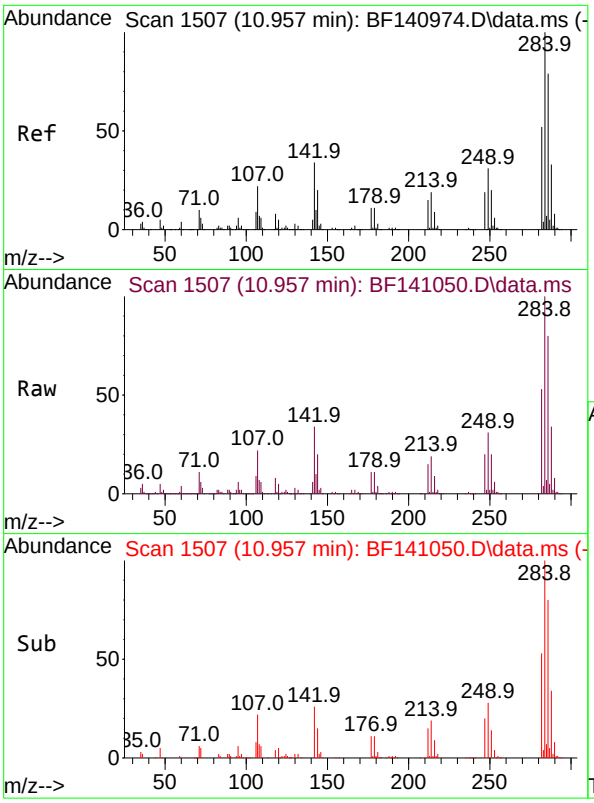


#67
4-Bromophenyl-phenylether
Concen: 58.385 ng
RT: 10.892 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:248 Resp: 527647

Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.7	116.5
141	75.4	62.1	93.1



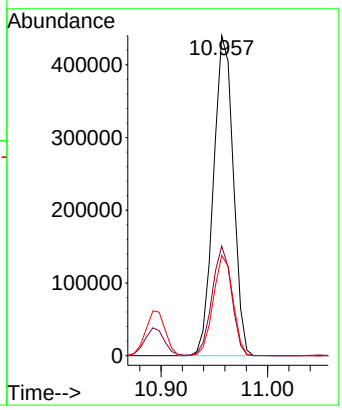


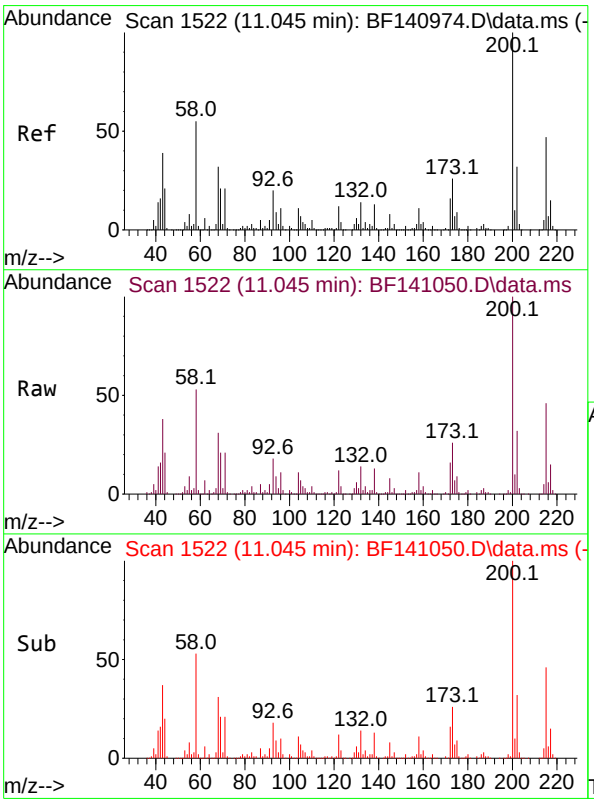
#68
Hexachlorobenzene
Concen: 56.924 ng
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:284 Resp: 567260

Ion	Ratio	Lower	Upper
284	100		
142	34.2	27.1	40.7
249	31.3	25.1	37.7

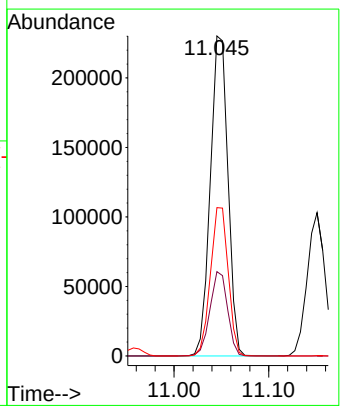


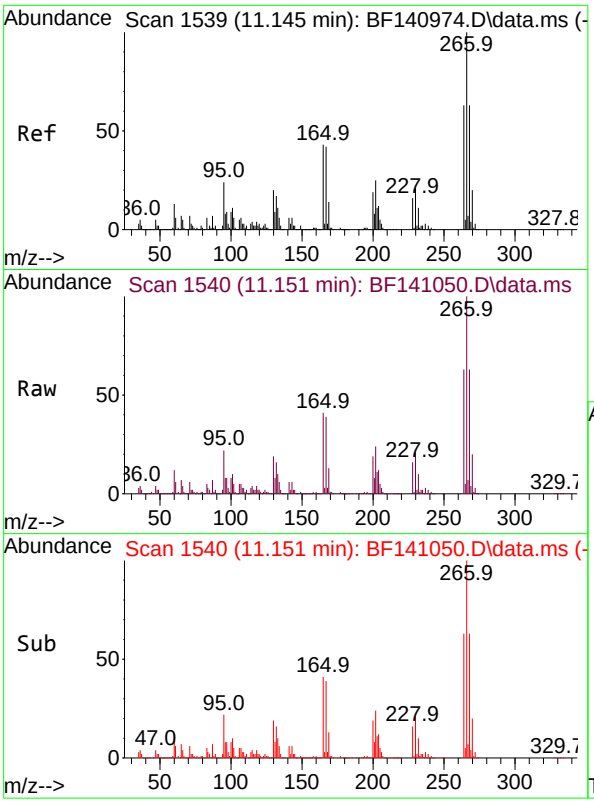


#69
Atrazine
Concen: 40.574 ng
RT: 11.045 min Scan# 1522
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:200 Resp: 298407

Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.4	46.4
215	46.4	27.2	67.2



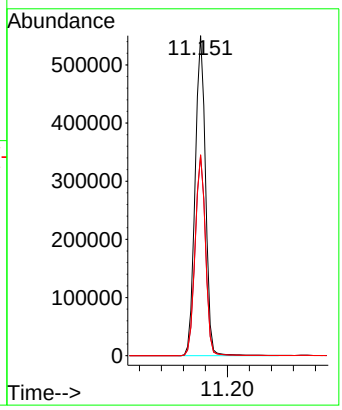


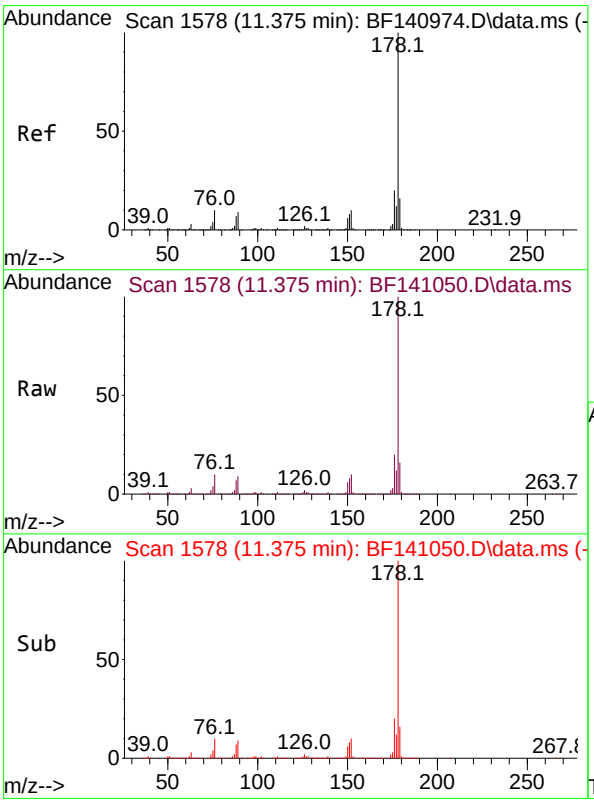
#70
Pentachlorophenol
Concen: 116.419 ng
RT: 11.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:266 Resp: 722306

Ion	Ratio	Lower	Upper
266	100		
268	62.6	50.5	75.7
264	62.8	50.2	75.4

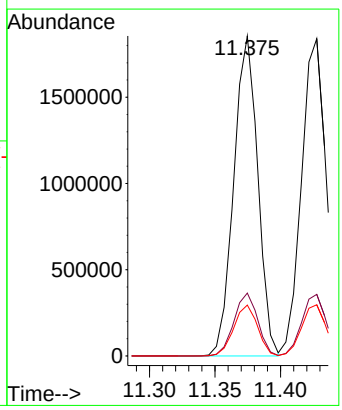


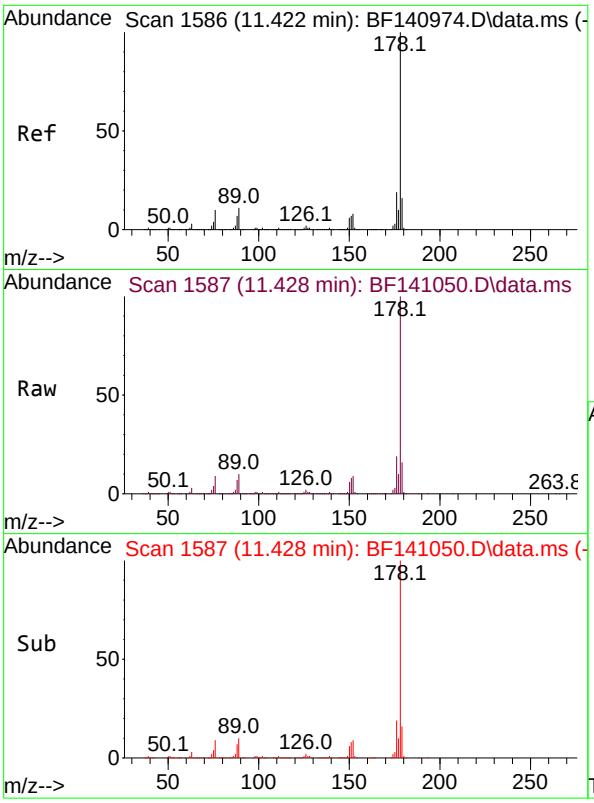


#71
Phenanthrene
Concen: 53.762 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:178 Resp: 2365531

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	15.9	12.6	19.0



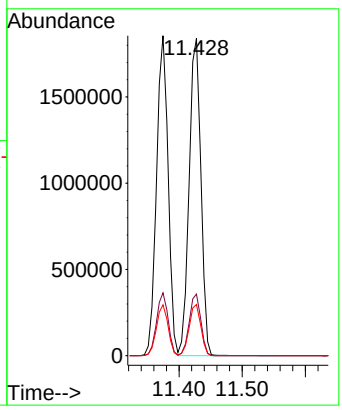


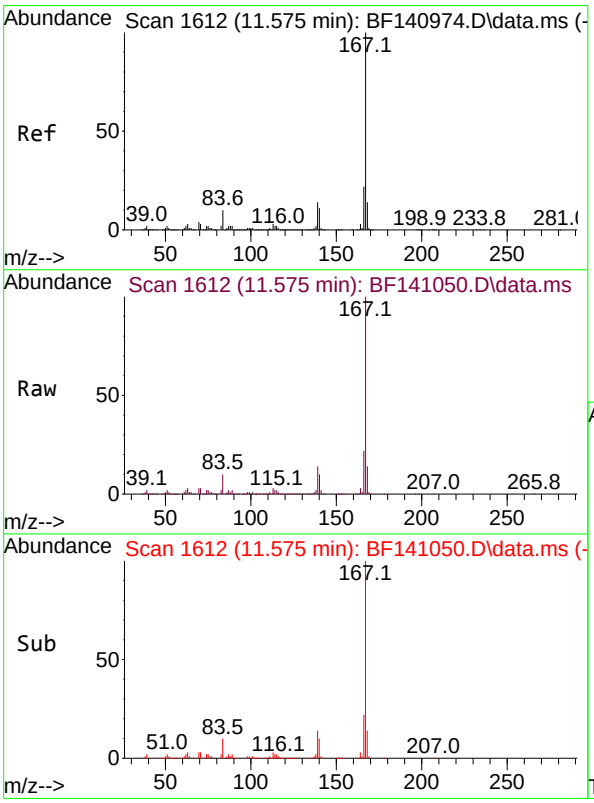
#72
Anthracene
Concen: 55.270 ng
RT: 11.428 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:178 Resp: 2382942

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	16.2	12.9	19.3

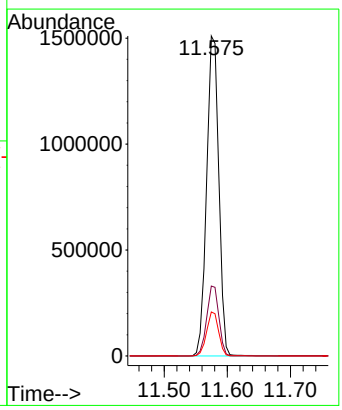


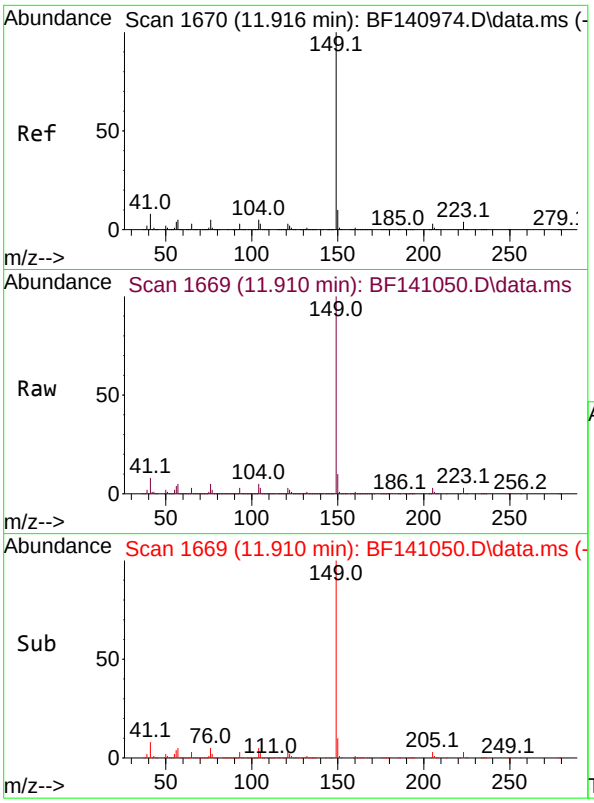


#73
Carbazole
Concen: 48.920 ng
RT: 11.575 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:167 Resp: 2027569

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.5	26.3
139	13.8	11.0	16.4



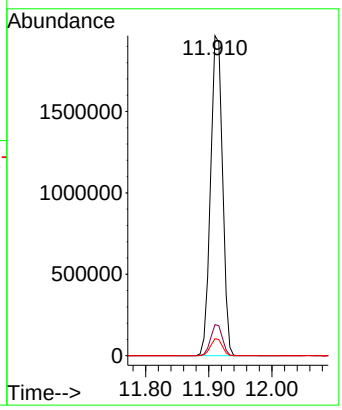


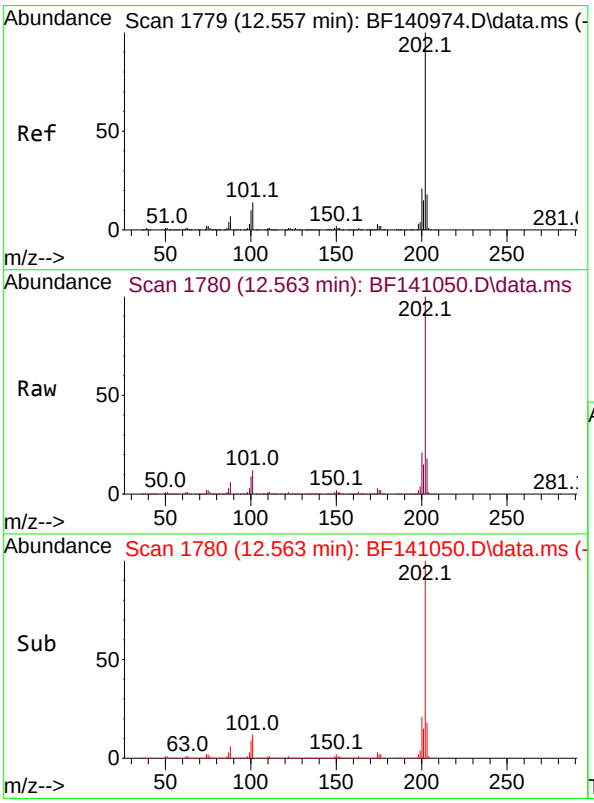
#74
Di-n-butylphthalate
Concen: 54.661 ng
RT: 11.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:149 Resp: 2576813

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.3	4.1	6.1

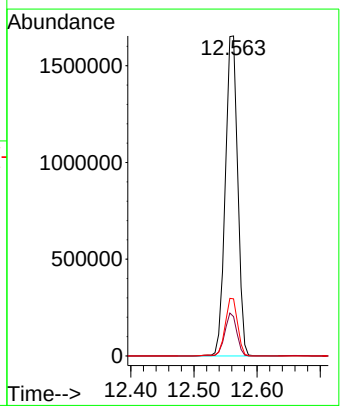


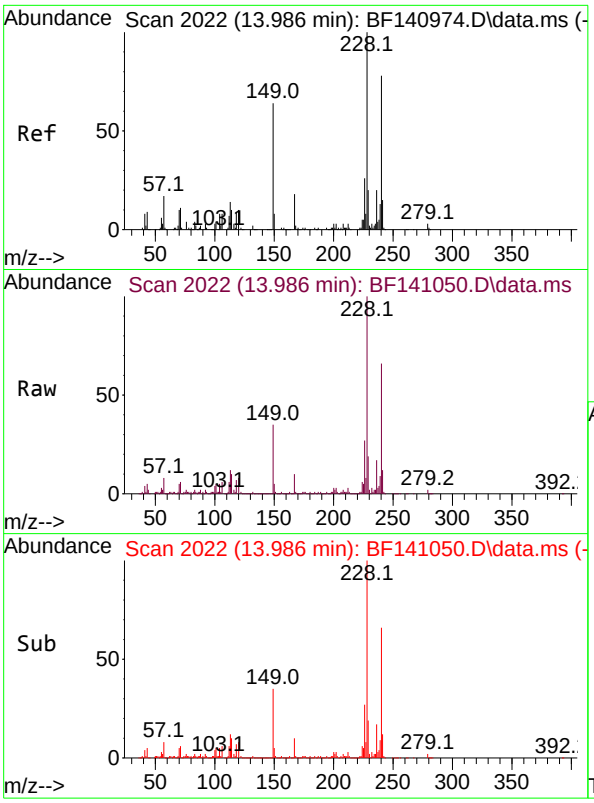


#75
Fluoranthene
Concen: 47.295 ng
RT: 12.563 min Scan# 1780
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:202 Resp: 2256974

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.7
203	17.9	0.0	38.1



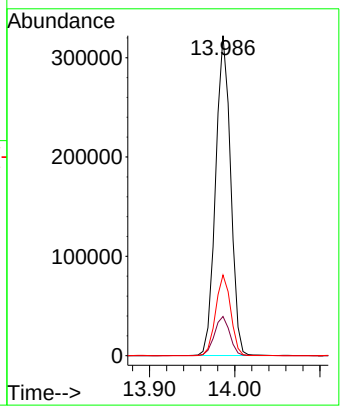


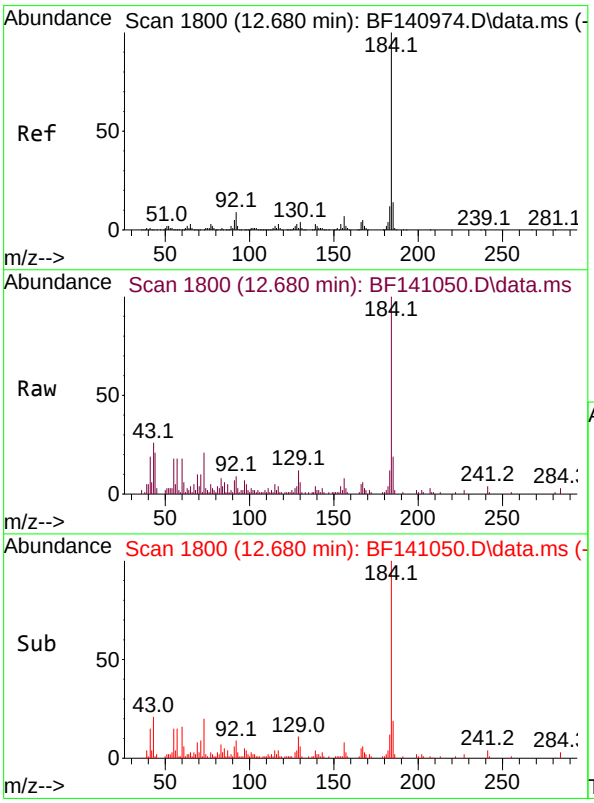
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:240 Resp: 393323

Ion	Ratio	Lower	Upper
240	100		
120	12.3	10.7	16.1
236	25.2	20.6	31.0

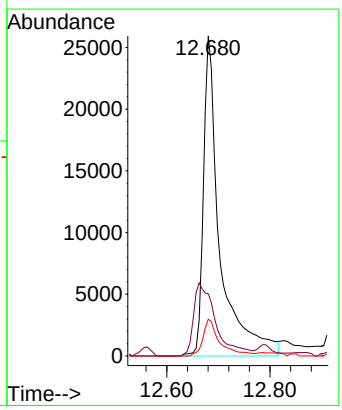


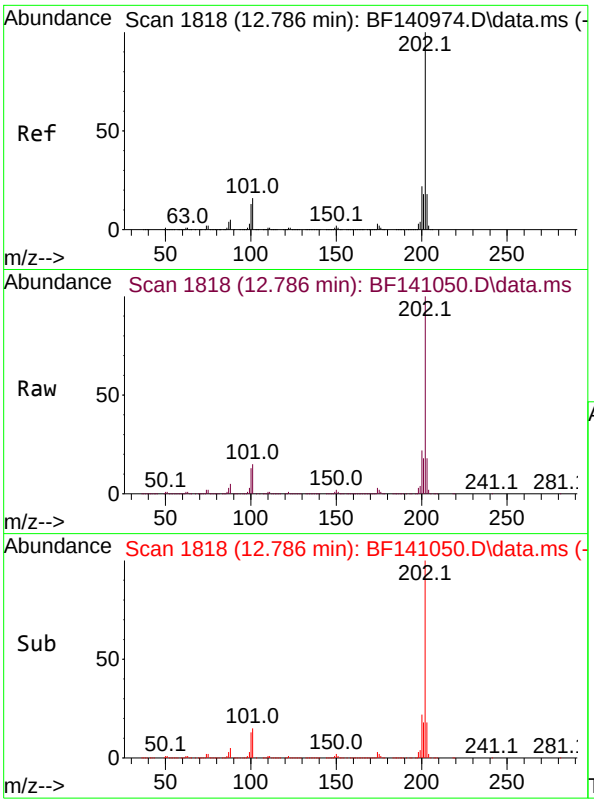


#77
Benzidine
Concen: 6.922 ng
RT: 12.680 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:184 Resp: 57535

Ion	Ratio	Lower	Upper
184	100		
185	19.4	11.4	17.2#
183	11.5	9.4	14.0



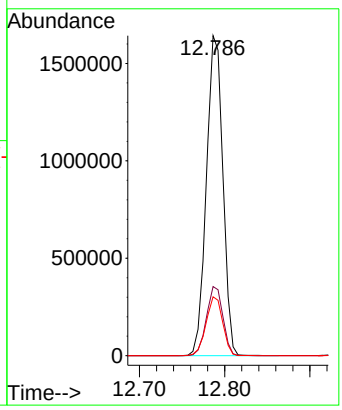


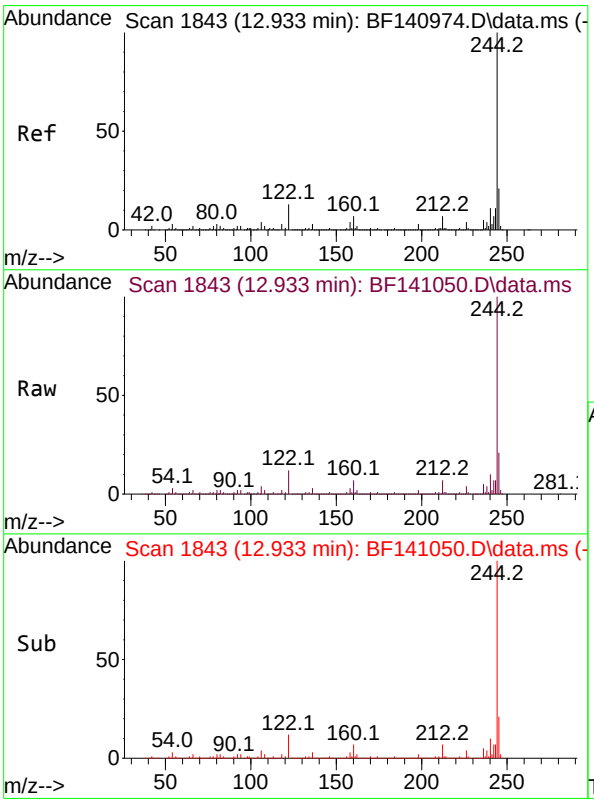
#78
Pyrene
Concen: 64.070 ng
RT: 12.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:202 Resp: 2203962

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.4	14.6	21.8

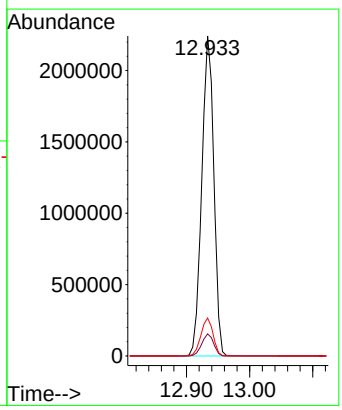


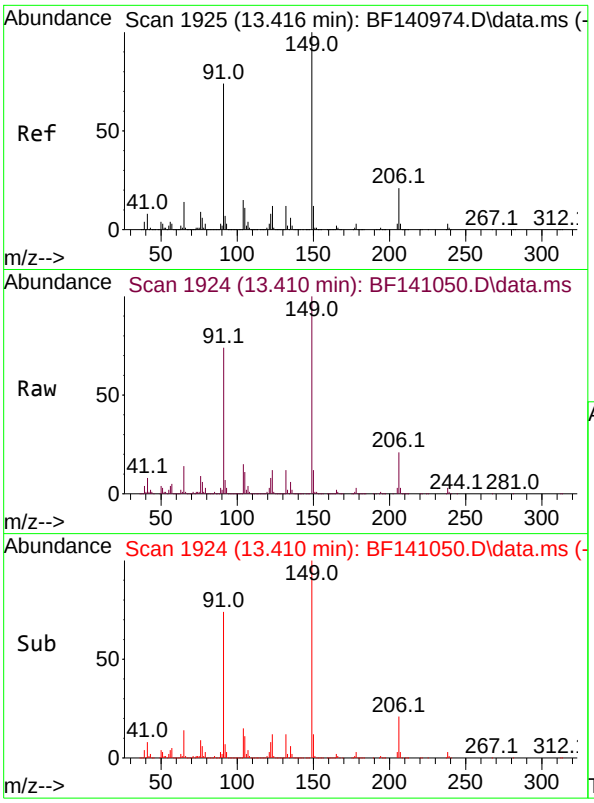


#79
Terphenyl-d14
Concen: 125.649 ng
RT: 12.933 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:244 Resp: 2975359

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	11.9	10.2	15.2



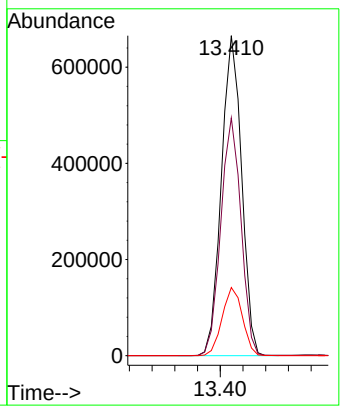


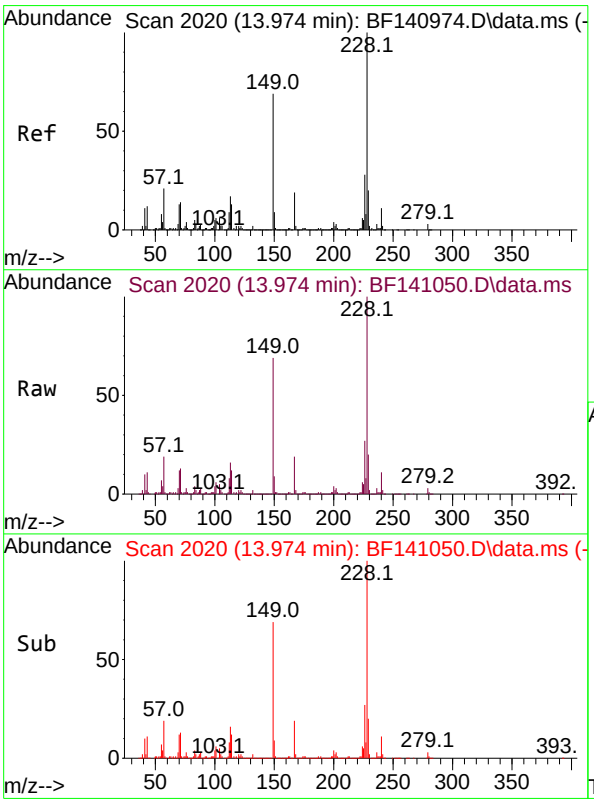
#80
Butylbenzylphthalate
Concen: 65.596 ng
RT: 13.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:149 Resp: 823945

Ion	Ratio	Lower	Upper
149	100		
91	74.3	59.5	89.3
206	21.3	17.1	25.7

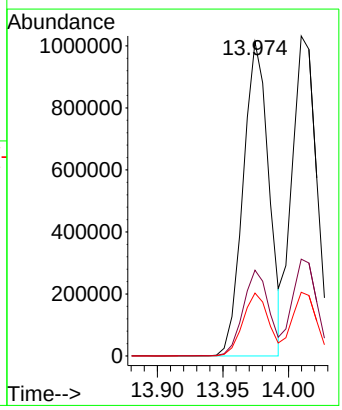


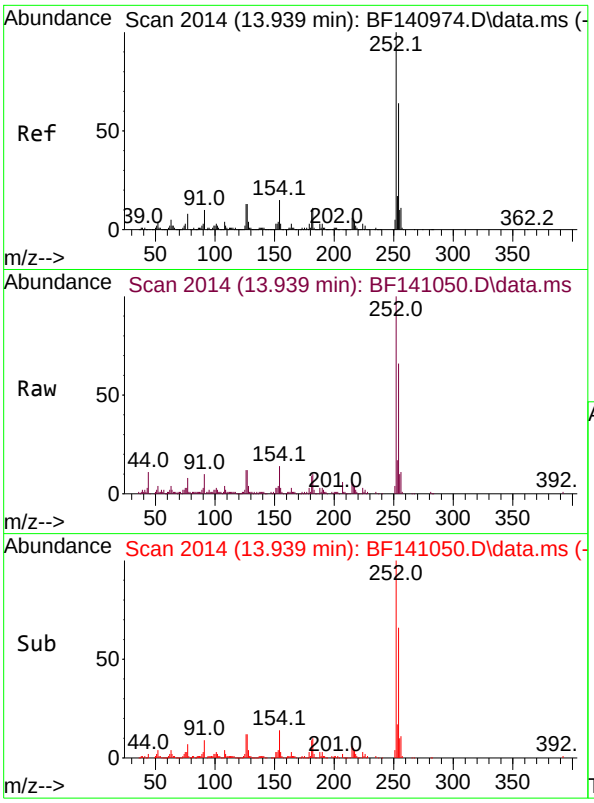


#81
Benzo(a)anthracene
Concen: 50.400 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:228 Resp: 1381591

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	20.0	16.2	24.2



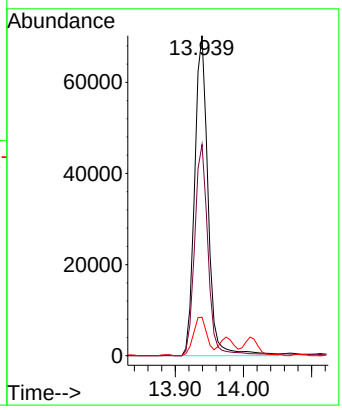


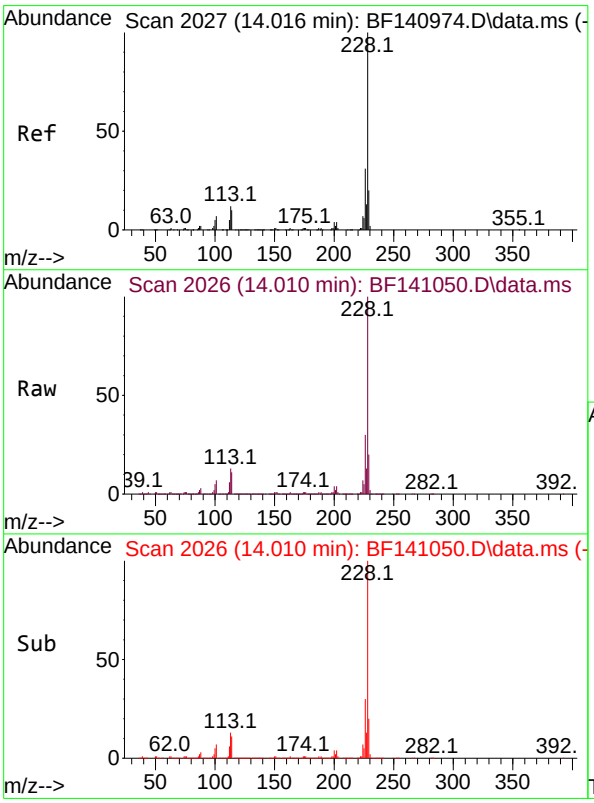
#82
3,3'-Dichlorobenzidine
Concen: 11.707 ng
RT: 13.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:252 Resp: 96417

Ion	Ratio	Lower	Upper
252	100		
254	66.0	51.5	77.3
126	12.0	10.3	15.5

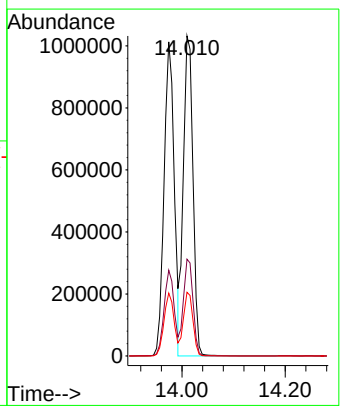


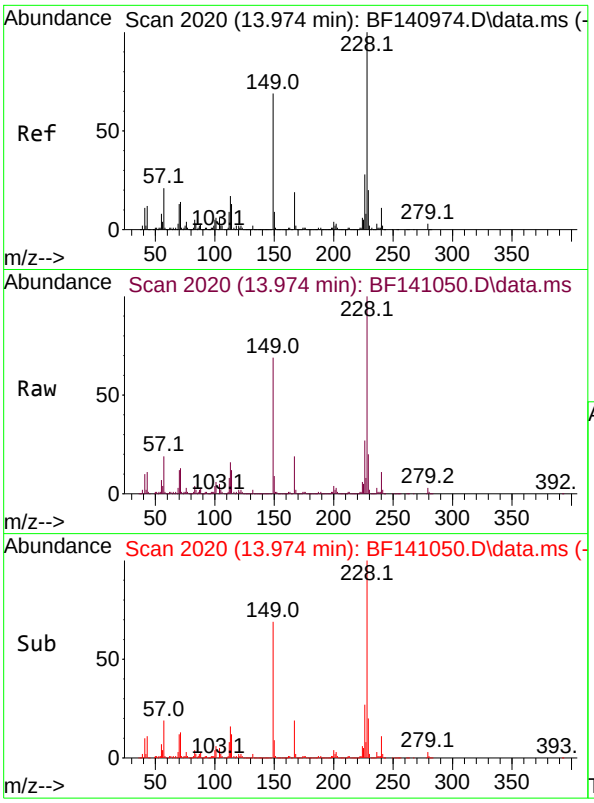


#83
Chrysene
Concen: 54.275 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:228 Resp: 1341215

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	19.9	16.2	24.4



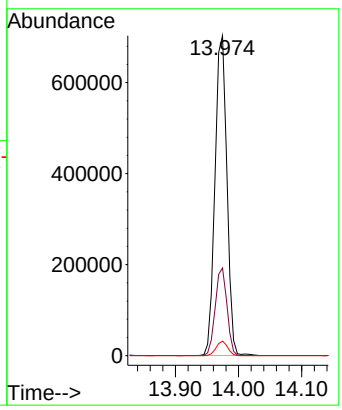


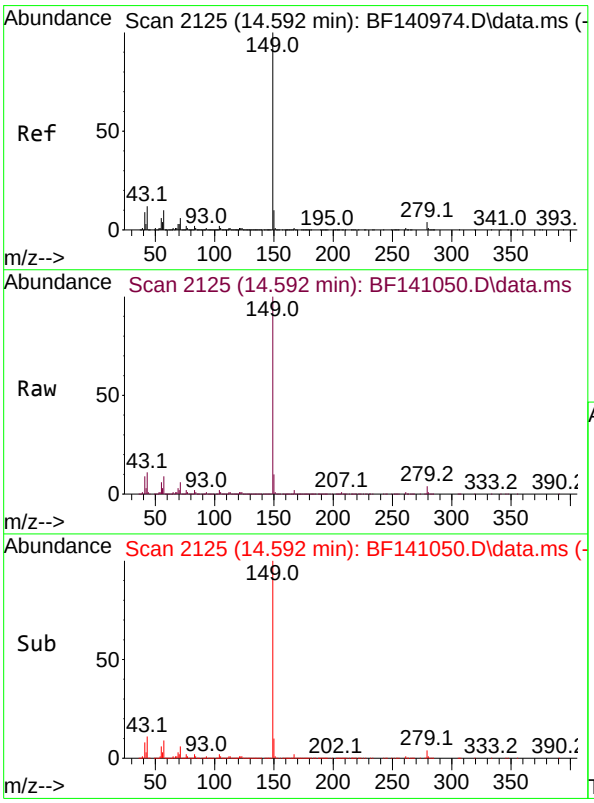
#84
Bis(2-ethylhexyl)phthalate
Concen: 56.385 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:149 Resp: 918706

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.6	32.4
279	4.6	3.2	4.8

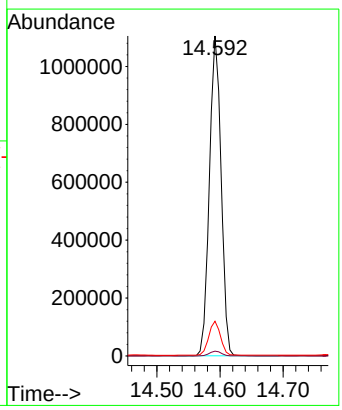


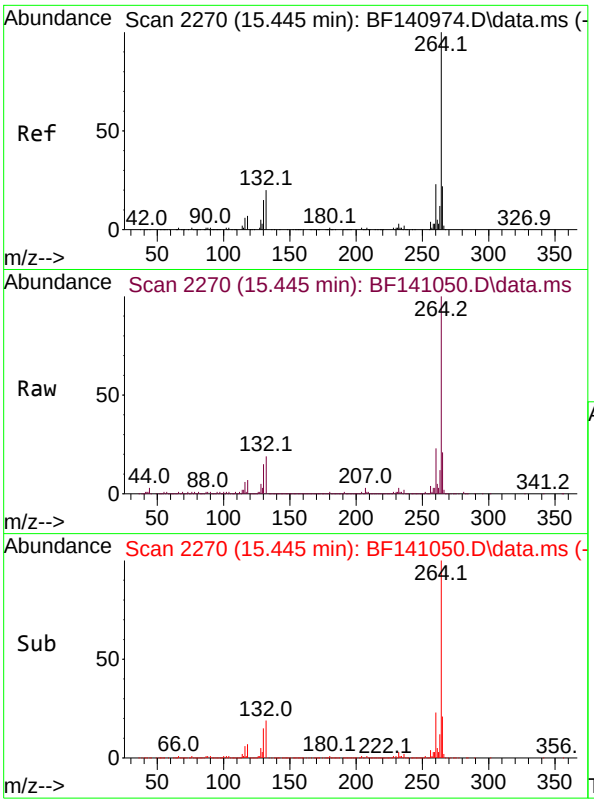


#85
Di-n-octyl phthalate
Concen: 60.294 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:149 Resp: 1421857

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.6	9.3	13.9



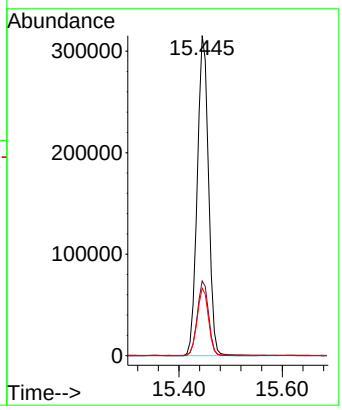


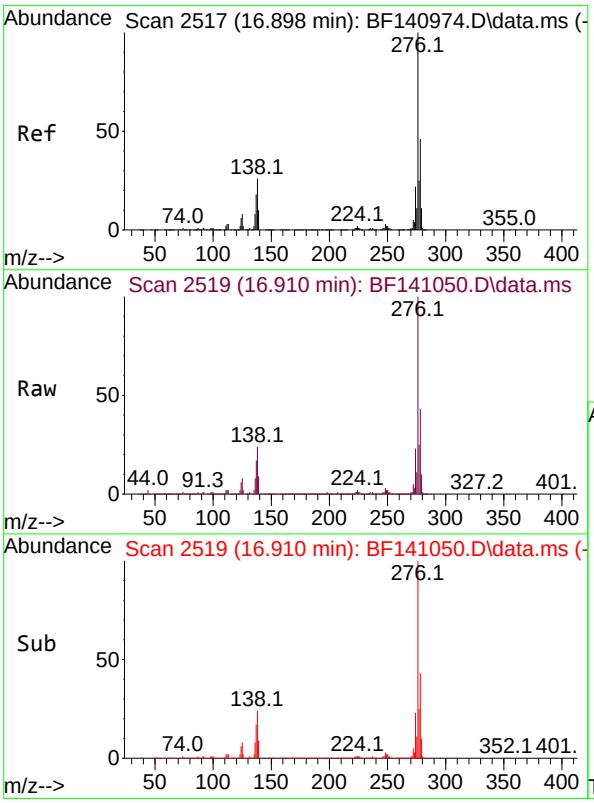
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:264 Resp: 476566

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.1	17.4	26.2

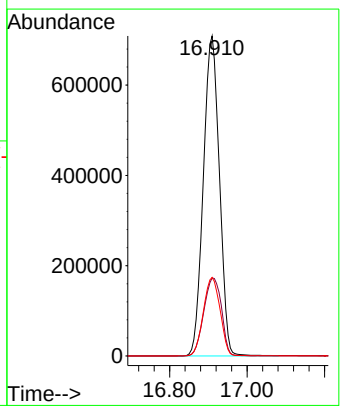


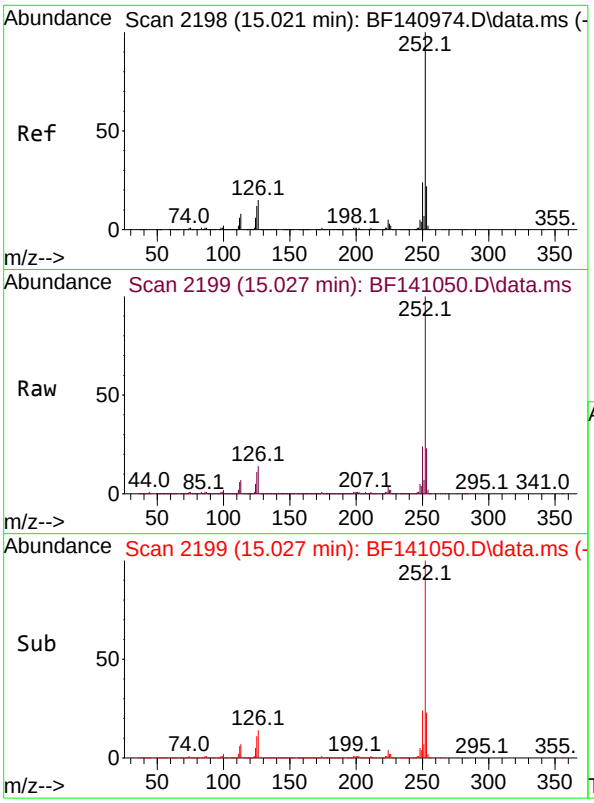


#87
Indeno(1,2,3-cd)pyrene
Concen: 68.008 ng
RT: 16.910 min Scan# 2519
Delta R.T. 0.012 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:276 Resp: 2041908

Ion	Ratio	Lower	Upper
276	100		
138	26.8	23.1	34.7
277	25.6	20.4	30.6



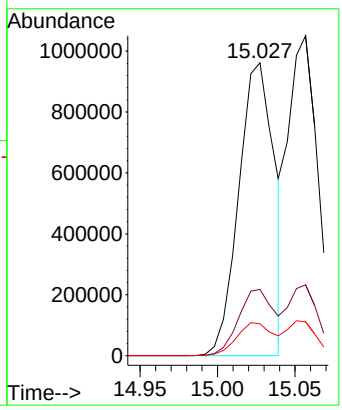


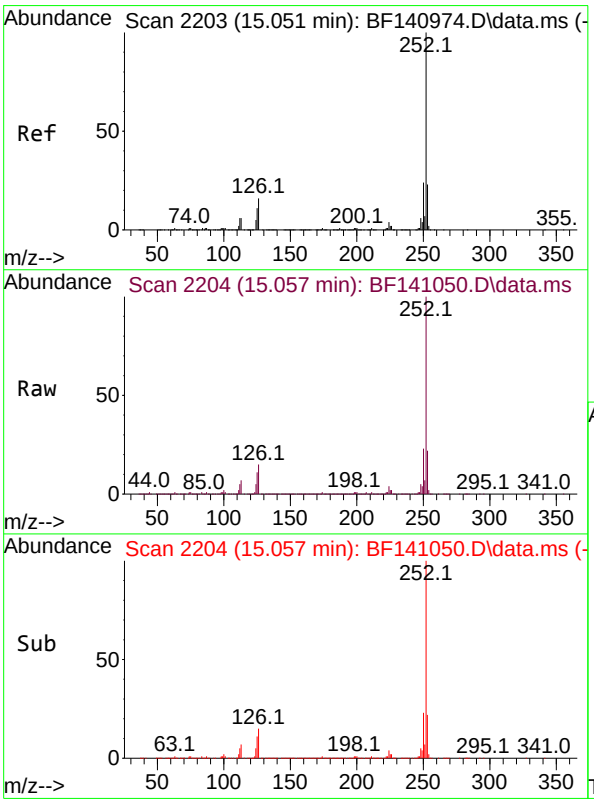
#88
Benzo(b)fluoranthene
Concen: 46.138 ng
RT: 15.027 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:252 Resp: 1533522

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	10.9	9.3	13.9

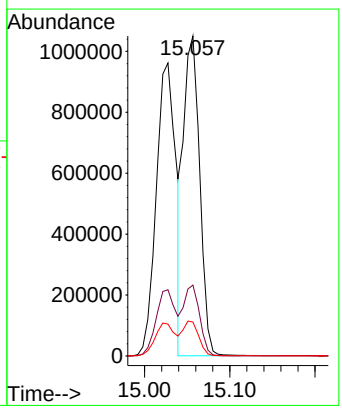


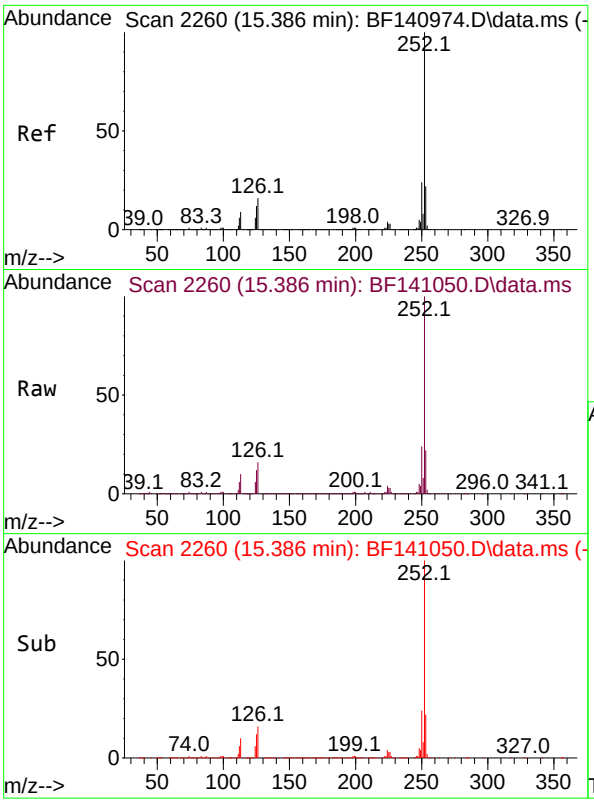


#89
Benzo(k)fluoranthene
Concen: 53.469 ng
RT: 15.057 min Scan# 2204
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:252 Resp: 1392896

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.6	9.4	14.0



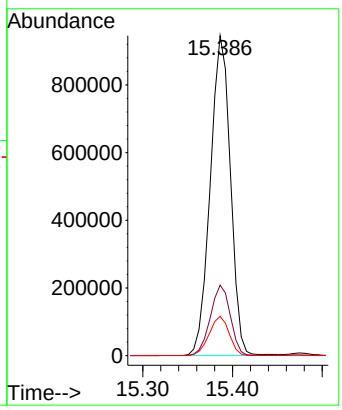


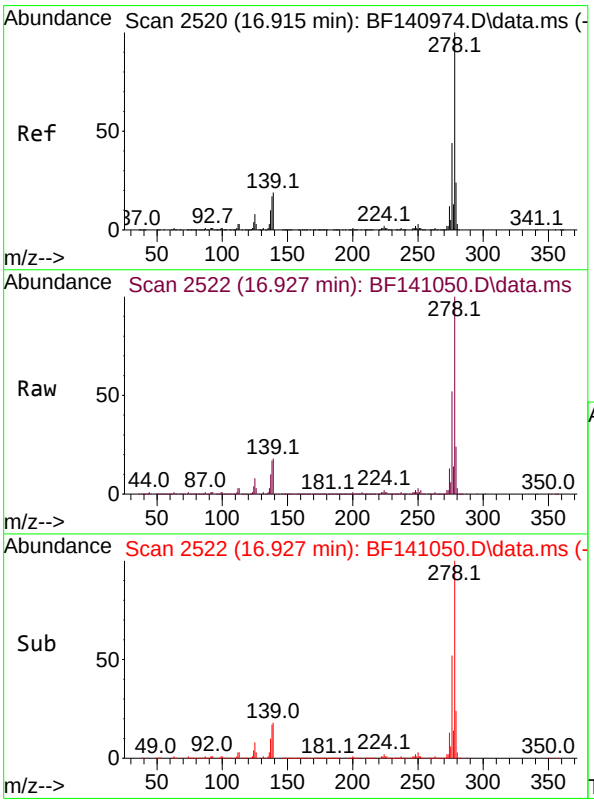
#90
Benzo(a)pyrene
Concen: 57.172 ng
RT: 15.386 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:252 Resp: 1474947

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.3	9.8	14.8

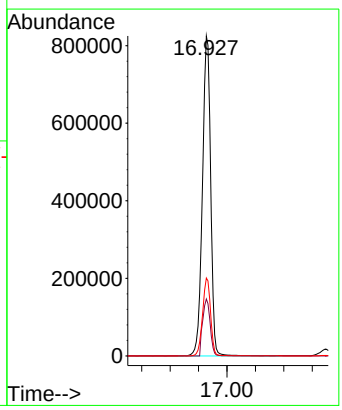


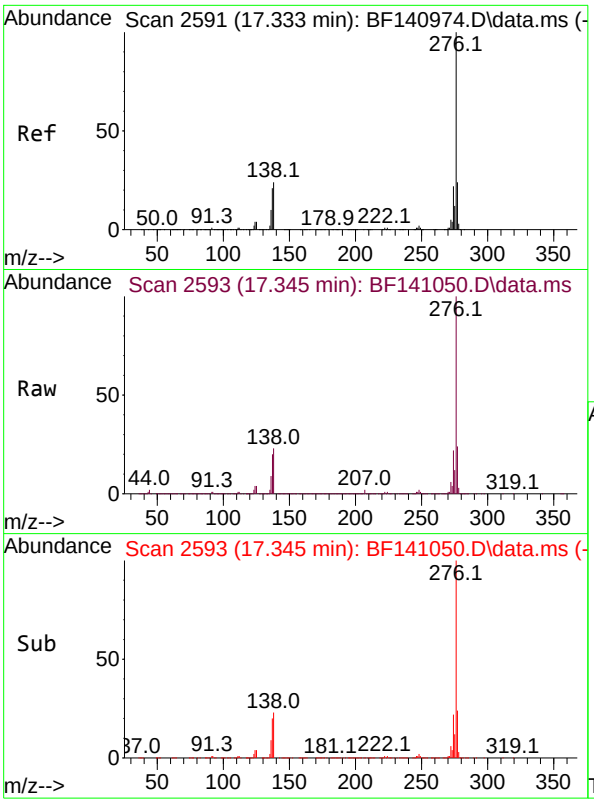


#91
Dibenzo(a,h)anthracene
Concen: 68.084 ng
RT: 16.927 min Scan# 2522
Delta R.T. 0.012 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:278 Resp: 1657060

Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.9	22.3
279	24.3	19.0	28.6



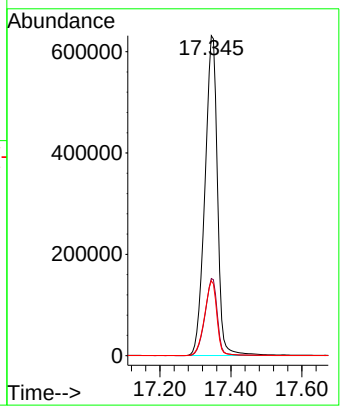


#92
Benzo(g,h,i)perylene
Concen: 61.533 ng
RT: 17.345 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:276 Resp: 1553299

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	23.4	19.4	29.2



Raw Data: **BF141051.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/19/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219MSD	SDG No.:	P5380
Lab Sample ID:	P5362-02MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141051.D	1	12/27/24 10:25	12/31/24 11:49	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
110-86-1	Pyridine	310		15.5	40.0	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	470		8.40	40.0	50.0	ug/L
95-48-7	2-Methylphenol	510		11.3	40.0	50.0	ug/L
65794-96-9	3+4-Methylphenols	500		11.5	80.0	100	ug/L
67-72-1	Hexachloroethane	490		10.1	40.0	50.0	ug/L
98-95-3	Nitrobenzene	550		12.7	40.0	50.0	ug/L
87-68-3	Hexachlorobutadiene	490		12.7	40.0	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	560		8.90	40.0	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	550		10.1	40.0	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	640		15.2	40.0	50.0	ug/L
118-74-1	Hexachlorobenzene	550		11.4	40.0	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	18.5	80.0	100	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	145		19 - 119		97%	SPK: 150
13127-88-3	Phenol-d6	141		10 - 130		94%	SPK: 150
4165-60-0	Nitrobenzene-d5	127	*	44 - 120		127%	SPK: 100
321-60-8	2-Fluorobiphenyl	100		44 - 119		100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	184		43 - 140		123%	SPK: 150
1718-51-0	Terphenyl-d14	122		50 - 134		122%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	232000	6.828				
1146-65-2	Naphthalene-d8	925000	8.11				
15067-26-2	Acenaphthene-d10	504000	9.863				
1517-22-2	Phenanthrene-d10	850000	11.345				
1719-03-5	Chrysene-d12	416000	13.986				
1520-96-3	Perylene-d12	473000	15.439				

Raw Data: **BF141051.D**

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	12/19/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219MSD	SDG No.:	P5380
Lab Sample ID:	P5362-02MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141051.D	1	12/27/24 10:25	12/31/24 11:49	PB165894

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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\BF123124\
Data File : BF141051.D
Acq On : 31 Dec 2024 11:49
Operator : RC/JU
Sample : P5362-02MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Quant Time: Dec 31 12:24:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.828	152	232407	20.000	ng		0.00
21) Naphthalene-d8	8.110	136	925099	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	503882	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	849705	20.000	ng		0.00
76) Chrysene-d12	13.986	240	416215	20.000	ng		0.00
86) Perylene-d12	15.439	264	472841	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.457	112	2232244	144.782	ng		0.02
7) Phenol-d6	6.457	99	2798607	140.905	ng		0.00
23) Nitrobenzene-d5	7.393	82	1830790	126.614	ng		0.00
42) 2,4,6-Tribromophenol	10.651	330	902078	184.238	ng		0.00
45) 2-Fluorobiphenyl	9.187	172	3174486	100.375	ng		0.00
79) Terphenyl-d14	12.933	244	3052555	121.819	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.757	88	301805	43.237	ng	#	84
3) Pyridine	3.463	79	525609	30.812	ng		99
4) n-Nitrosodimethylamine	3.393	42	404046	46.747	ng		98
6) Aniline	6.493	93	313867	17.719	ng		96
8) 2-Chlorophenol	6.616	128	856828	52.711	ng		96
10) Phenol	6.475	94	994035	48.401	ng		99
11) bis(2-Chloroethyl)ether	6.569	93	791469	47.729	ng		97
12) 1,3-Dichlorobenzene	6.769	146	845122	47.109	ng		100
13) 1,4-Dichlorobenzene	6.845	146	855568	47.309	ng		99
14) 1,2-Dichlorobenzene	6.998	146	821715	48.733	ng		99
15) Benzyl Alcohol	6.969	79	713963	50.023	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1231138	49.092	ng		99
17) 2-Methylphenol	7.081	107	691685	51.219	ng		99
18) Hexachloroethane	7.345	117	315734	49.147	ng		98
19) n-Nitroso-di-n-propyla...	7.245	70	598936	49.223	ng		99
20) 3+4-Methylphenols	7.234	107	847125	49.570	ng	#	85
22) Acetophenone	7.240	105	1093369	48.179	ng		98
24) Nitrobenzene	7.410	77	884486	54.743	ng		96
25) Isophorone	7.651	82	1611721	51.223	ng		100
26) 2-Nitrophenol	7.728	139	438453	64.206	ng		98
27) 2,4-Dimethylphenol	7.757	122	700554	60.921	ng		99
28) bis(2-Chloroethoxy)met...	7.863	93	987760	49.547	ng		100
29) 2,4-Dichlorophenol	7.963	162	694221	53.229	ng		99
30) 1,2,4-Trichlorobenzene	8.051	180	718917	48.702	ng		99
31) Naphthalene	8.134	128	2349067	48.189	ng		100
32) Benzoic acid	7.875	122	547658	56.289	ng		97
33) 4-Chloroaniline	8.175	127	72192	4.094	ng		99
34) Hexachlorobutadiene	8.251	225	426348	48.992	ng		100
35) Caprolactam	8.539	113	191933m	43.289	ng		
36) 4-Chloro-3-methylphenol	8.657	107	760877	52.532	ng		99
37) 2-Methylnaphthalene	8.822	142	1569379	50.324	ng		100
38) 1-Methylnaphthalene	8.922	142	1473767	48.086	ng		100
40) 1,2,4,5-Tetrachloroben...	8.987	216	700190	50.510	ng		99
41) Hexachlorocyclopentadiene	8.975	237	837030	182.207	ng		99
43) 2,4,6-Trichlorophenol	9.098	196	516987	56.035	ng		99
44) 2,4,5-Trichlorophenol	9.139	196	517247	54.792	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141051.D
Acq On : 31 Dec 2024 11:49
Operator : RC/JU
Sample : P5362-02MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Quant Time: Dec 31 12:24:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

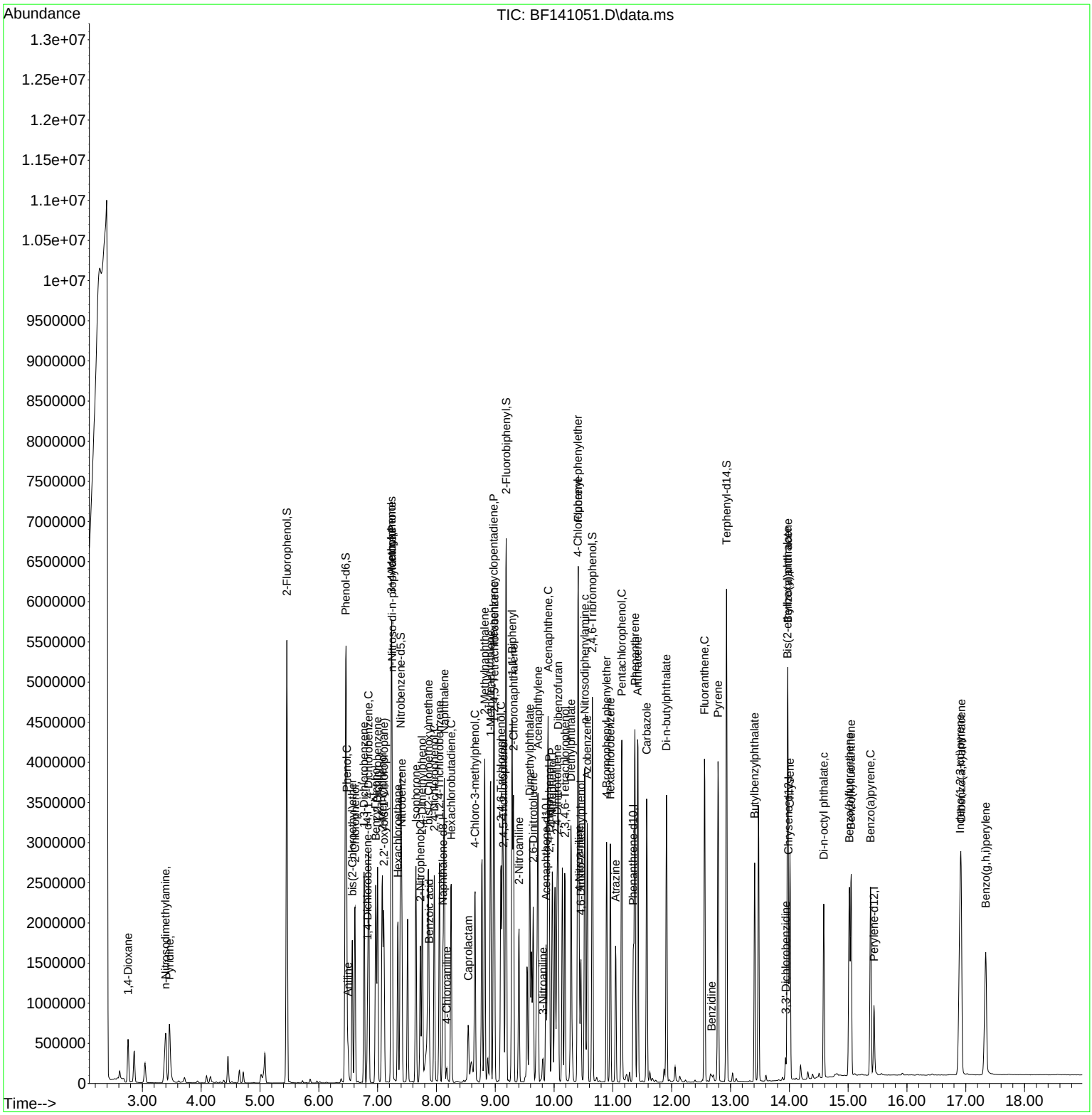
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.287	154	1932118	50.078	ng		99
47) 2-Chloronaphthalene	9.310	162	1464242	48.934	ng		99
48) 2-Nitroaniline	9.404	65	460638	57.795	ng		92
49) Acenaphthylene	9.728	152	2262303	52.519	ng		99
50) Dimethylphthalate	9.586	163	1786357	53.897	ng		100
51) 2,6-Dinitrotoluene	9.645	165	395932	57.772	ng		96
52) Acenaphthene	9.898	154	1698760	58.334	ng		99
53) 3-Nitroaniline	9.810	138	65298	11.544	ng	#	95
54) 2,4-Dinitrophenol	9.922	184	446375	129.142	ng	#	1
55) Dibenzofuran	10.069	168	2073334	50.661	ng		99
56) 4-Nitrophenol	9.969	139	661085	116.604	ng		97
57) 2,4-Dinitrotoluene	10.051	165	542012	63.887	ng		95
58) Fluorene	10.410	166	1580114	49.790	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	462961	59.215	ng		97
60) Diethylphthalate	10.286	149	1712441	52.335	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	773442	50.650	ng		98
62) 4-Nitroaniline	10.428	138	328695	44.986	ng		94
63) Azobenzene	10.563	77	1711084	49.822	ng		99
65) 4,6-Dinitro-2-methylph...	10.457	198	293693	79.159	ng		92
66) n-Nitrosodiphenylamine	10.522	169	1374523	51.370	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	515279	56.097	ng		98
68) Hexachlorobenzene	10.957	284	560058	55.296	ng		99
69) Atrazine	11.045	200	283213	37.888	ng		99
70) Pentachlorophenol	11.151	266	714191	113.255	ng		99
71) Phenanthrene	11.375	178	2330937	52.122	ng		100
72) Anthracene	11.422	178	2382528	54.370	ng		100
73) Carbazole	11.575	167	1997834	47.426	ng		100
74) Di-n-butylphthalate	11.910	149	2541145	53.036	ng		100
75) Fluoranthene	12.557	202	2282314	47.056	ng		99
77) Benzidine	12.680	184	44837	5.097	ng		97
78) Pyrene	12.786	202	2253520	61.908	ng		100
80) Butylbenzylphthalate	13.410	149	842846	63.410	ng		99
81) Benzo(a)anthracene	13.974	228	1407543	48.523	ng		100
82) 3,3'-Dichlorobenzidine	13.939	252	91490	10.498	ng		99
83) Chrysene	14.010	228	1343766	51.388	ng		99
84) Bis(2-ethylhexyl)phtha...	13.969	149	931448	54.023	ng		99
85) Di-n-octyl phthalate	14.586	149	1386309	55.553	ng		98
87) Indeno(1,2,3-cd)pyrene	16.904	276	1983646	66.588	ng		98
88) Benzo(b)fluoranthene	15.021	252	1491587	45.230	ng		99
89) Benzo(k)fluoranthene	15.051	252	1375012	53.198	ng		98
90) Benzo(a)pyrene	15.380	252	1441471	56.315	ng		99
91) Dibenzo(a,h)anthracene	16.921	278	1593652	65.995	ng		98
92) Benzo(g,h,i)perylene	17.339	276	1488983	59.450	ng		99

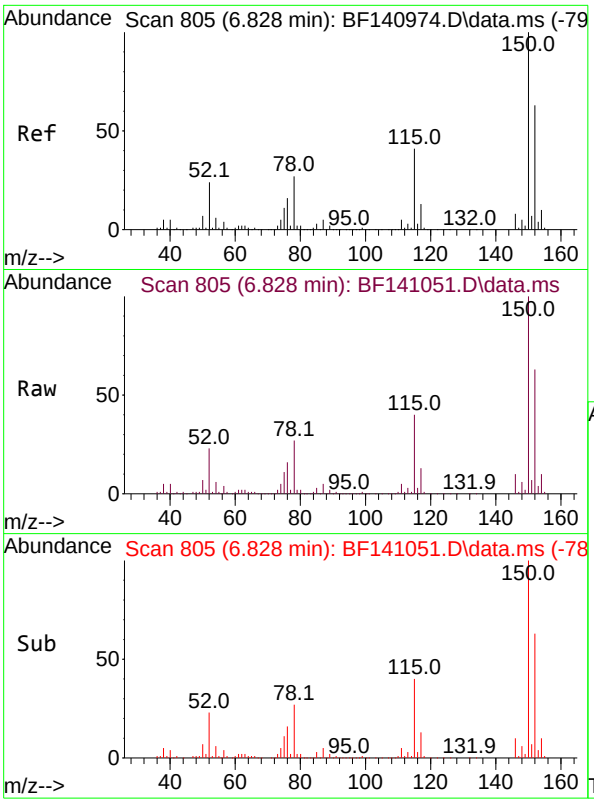
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141051.D
Acq On : 31 Dec 2024 11:49
Operator : RC/JU
Sample : P5362-02MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Quant Time: Dec 31 12:24:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



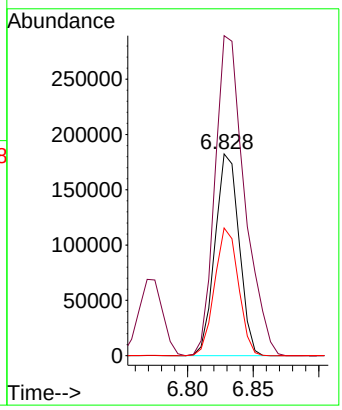


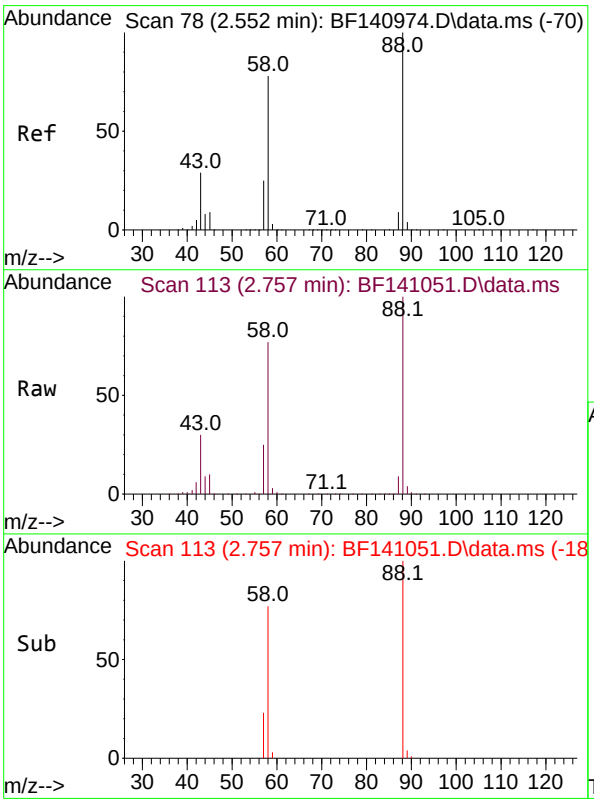
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:152 Resp: 232407

Ion	Ratio	Lower	Upper
152	100		
150	158.6	127.0	190.6
115	63.3	51.7	77.5

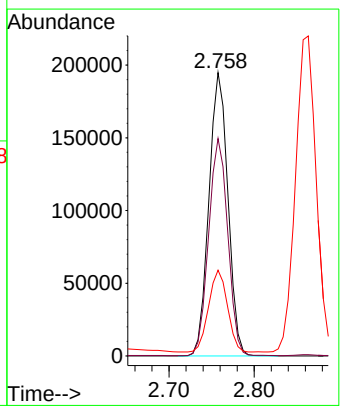


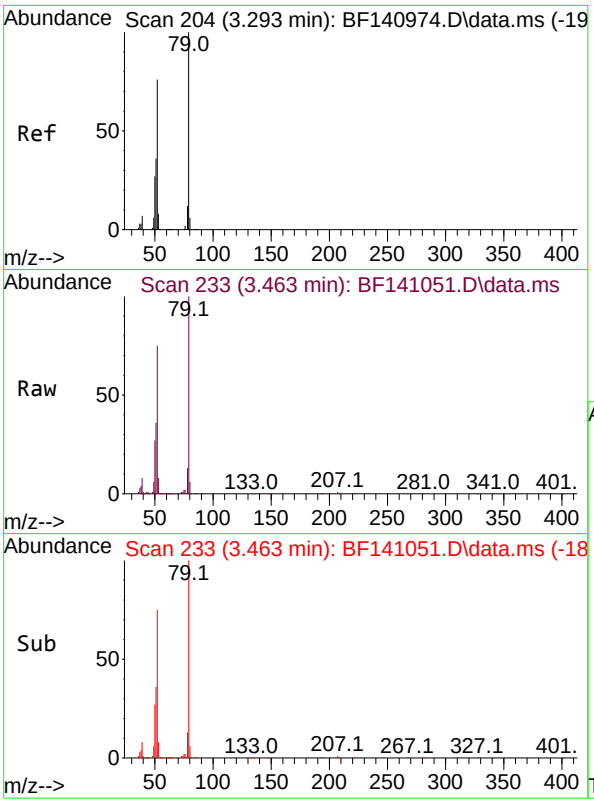


#2
1,4-Dioxane
Concen: 43.237 ng
RT: 2.757 min Scan# 113
Delta R.T. 0.206 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 88 Resp: 301805

Ion	Ratio	Lower	Upper
88	100		
58	77.1	63.0	94.4
43	0.0	23.4	35.2#



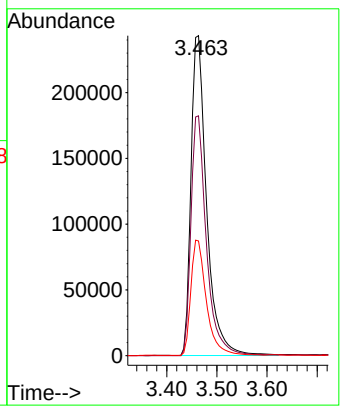


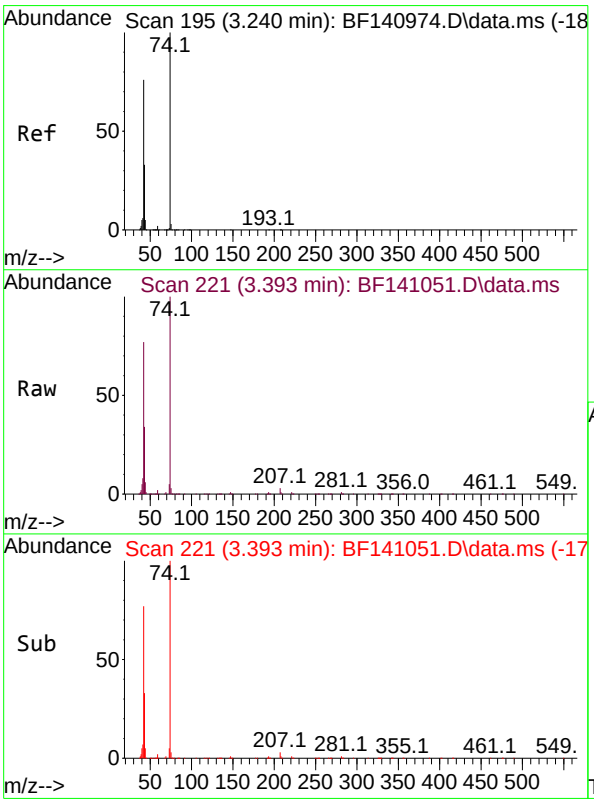
#3
Pyridine
Concen: 30.812 ng
RT: 3.463 min Scan# 2
Delta R.T. 0.171 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 79 Resp: 525609

Ion	Ratio	Lower	Upper
79	100		
52	75.0	60.4	90.6
51	35.9	28.8	43.2

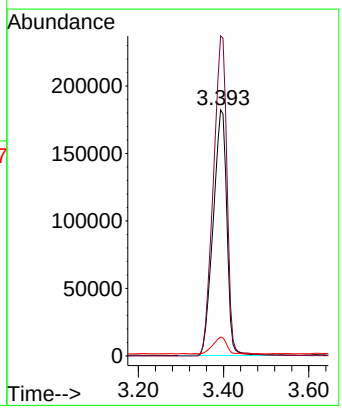


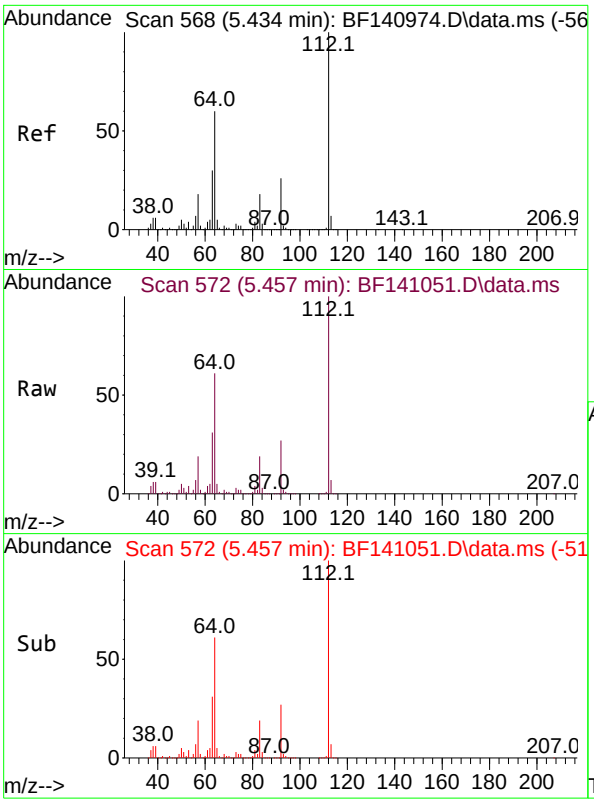


#4
n-Nitrosodimethylamine
Concen: 46.747 ng
RT: 3.393 min Scan# 221
Delta R.T. 0.153 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 42 Resp: 404046

Ion	Ratio	Lower	Upper
42	100		
74	130.0	105.8	158.6
44	7.7	6.6	10.0



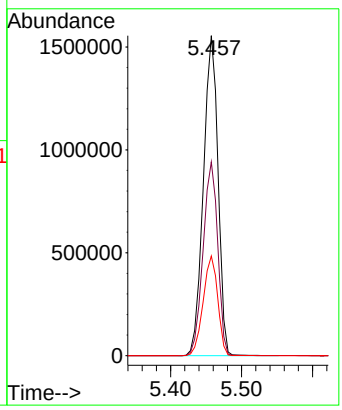


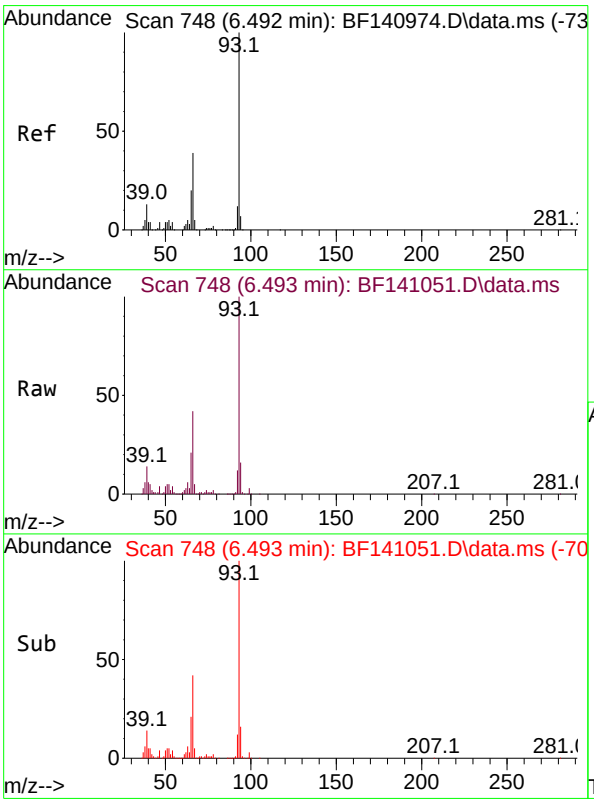
#5
2-Fluorophenol
Concen: 144.782 ng
RT: 5.457 min Scan# 5
Delta R.T. 0.024 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:112 Resp: 2232244

Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.7	71.5
63	31.1	24.2	36.2

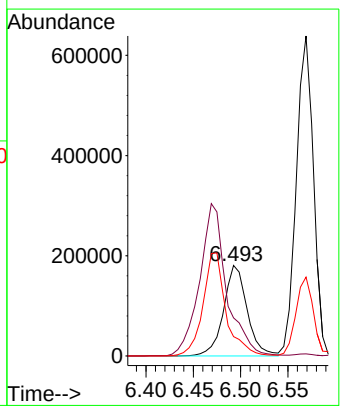


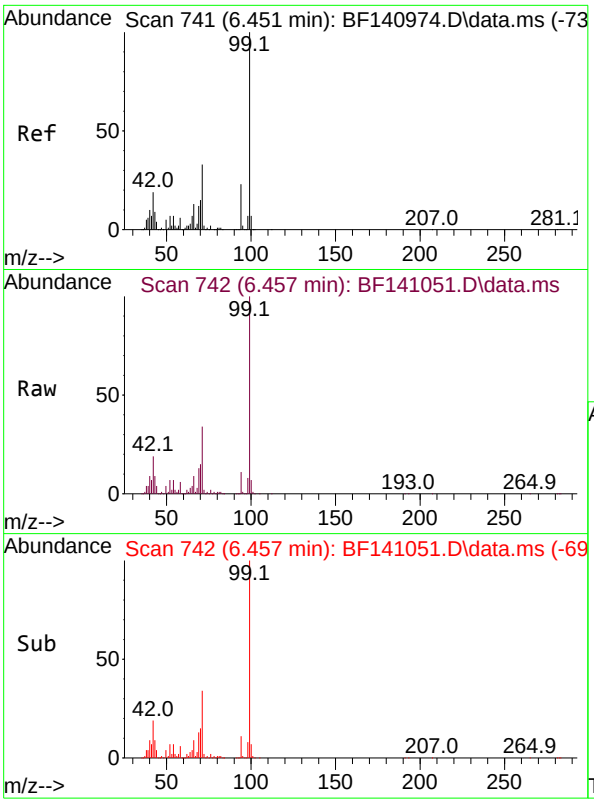


#6
Aniline
Concen: 17.719 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 93 Resp: 313867

Ion	Ratio	Lower	Upper
93	100		
66	42.1	31.8	47.8
65	21.4	15.4	23.0



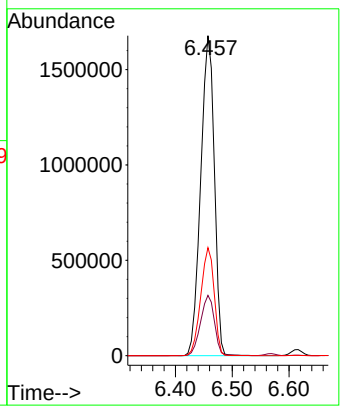


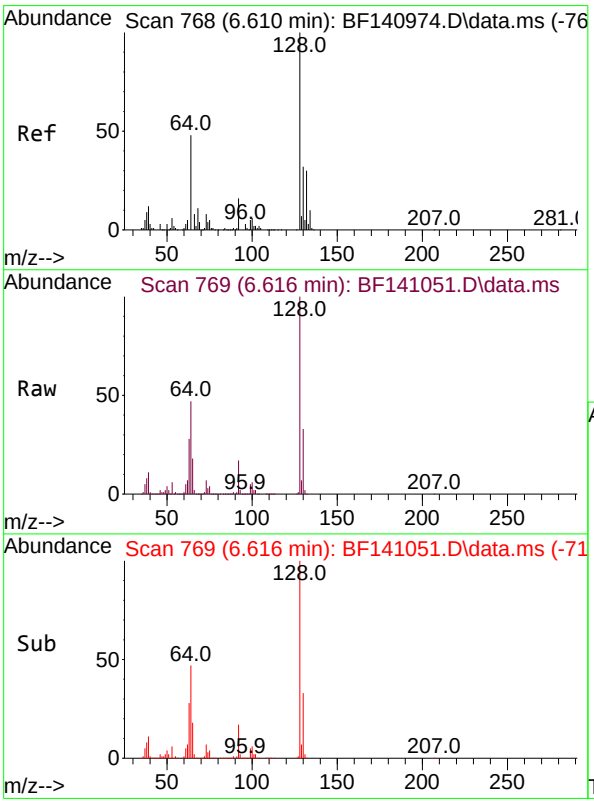
#7
Phenol-d6
Concen: 140.905 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 99 Resp: 2798607

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.0	22.4
71	33.8	26.2	39.2

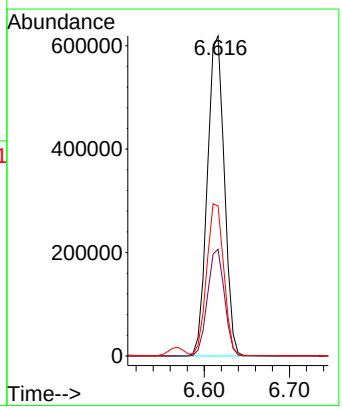


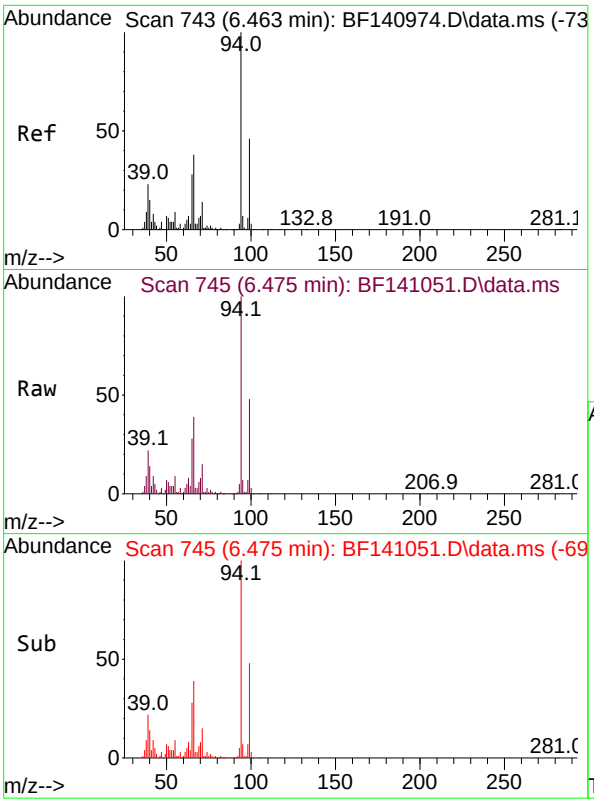


#8
2-Chlorophenol
Concen: 52.711 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:128 Resp: 856828

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.2	52.2
64	46.9	30.3	70.3



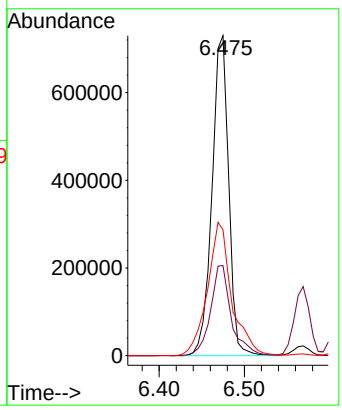


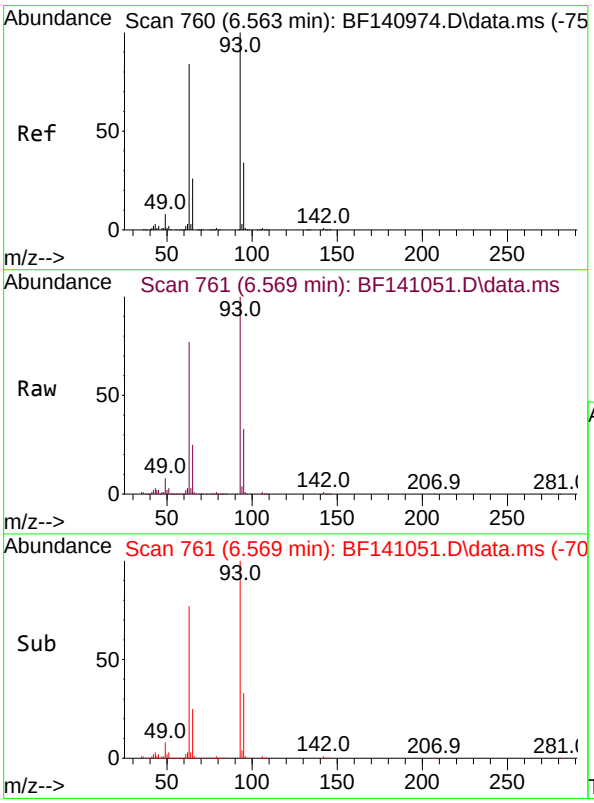
#10
Phenol
Concen: 48.401 ng
RT: 6.475 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 94 Resp: 994035

Ion	Ratio	Lower	Upper
94	100		
65	28.2	8.1	48.1
66	39.4	18.7	58.7

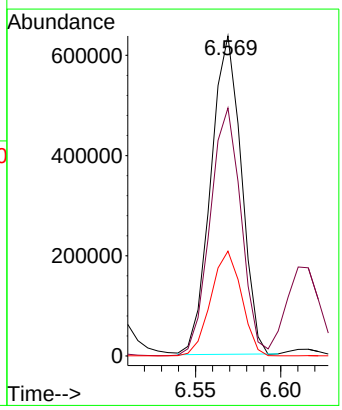


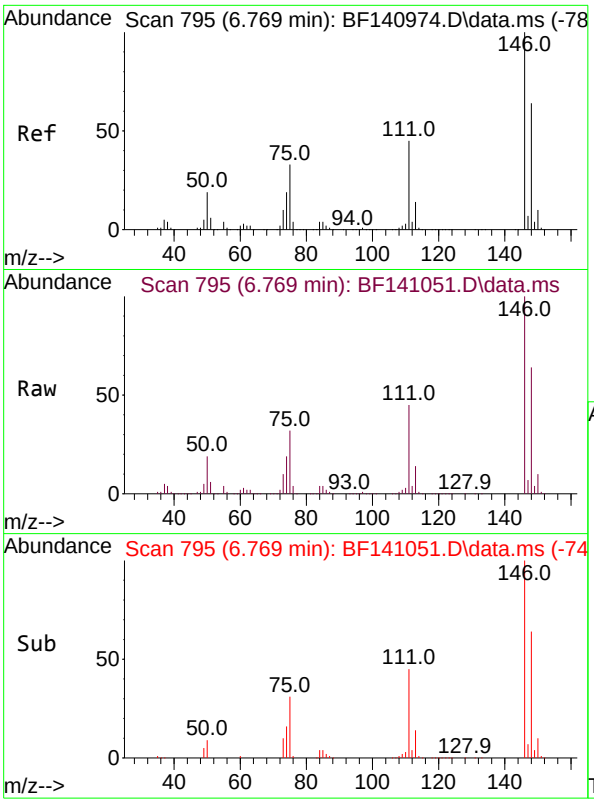


#11
bis(2-Chloroethyl)ether
Concen: 47.729 ng
RT: 6.569 min Scan# 761
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 93 Resp: 791469

Ion	Ratio	Lower	Upper
93	100		
63	77.5	60.3	100.3
95	32.8	12.2	52.2



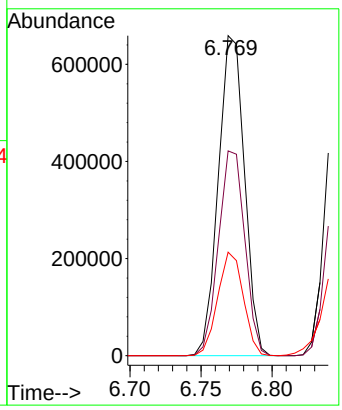


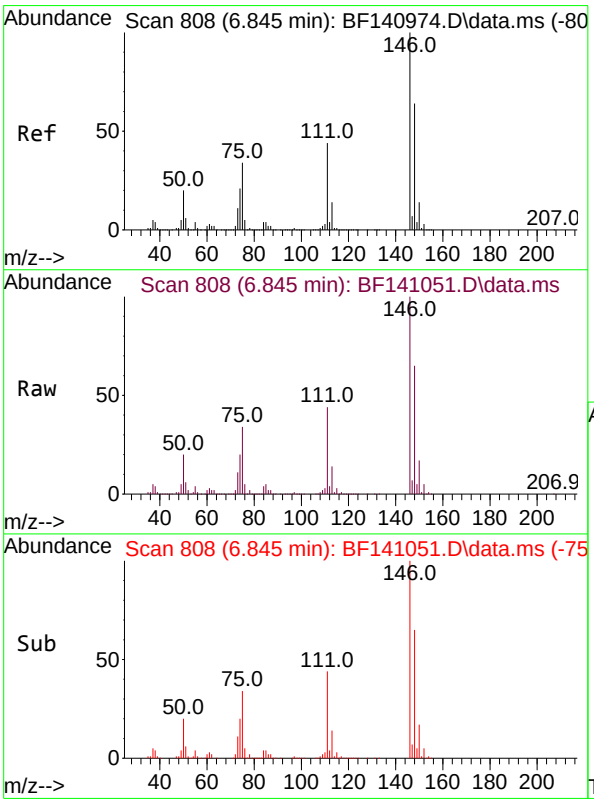
#12
1,3-Dichlorobenzene
Concen: 47.109 ng
RT: 6.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:146 Resp: 845122

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
75	32.3	26.1	39.1

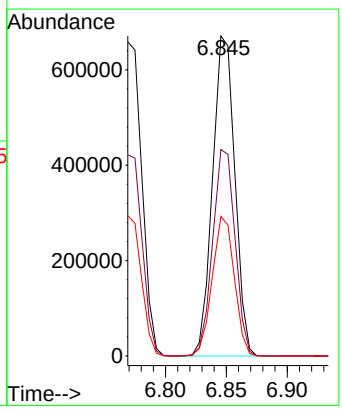


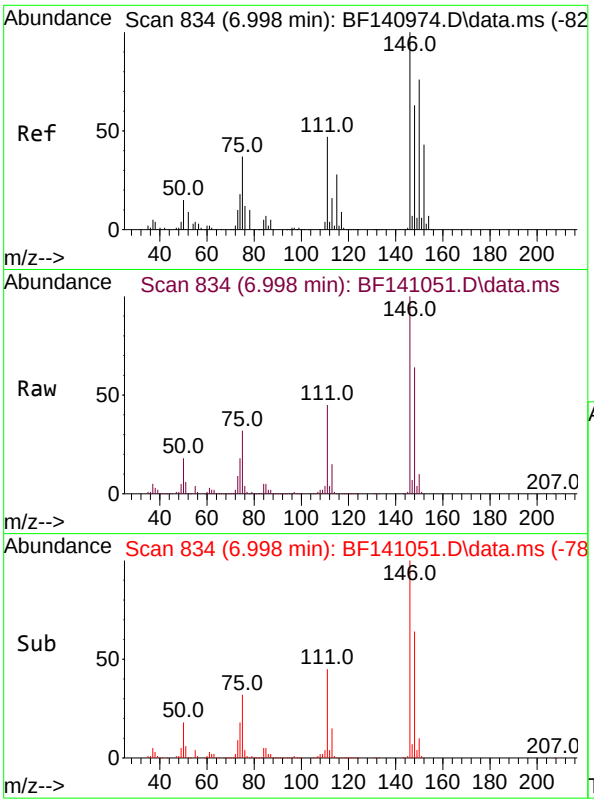


#13
1,4-Dichlorobenzene
Concen: 47.309 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:146 Resp: 855568

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.3	76.9
111	43.6	35.3	52.9



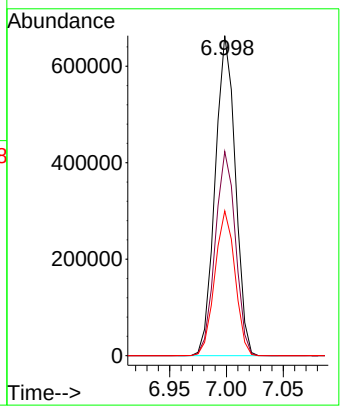


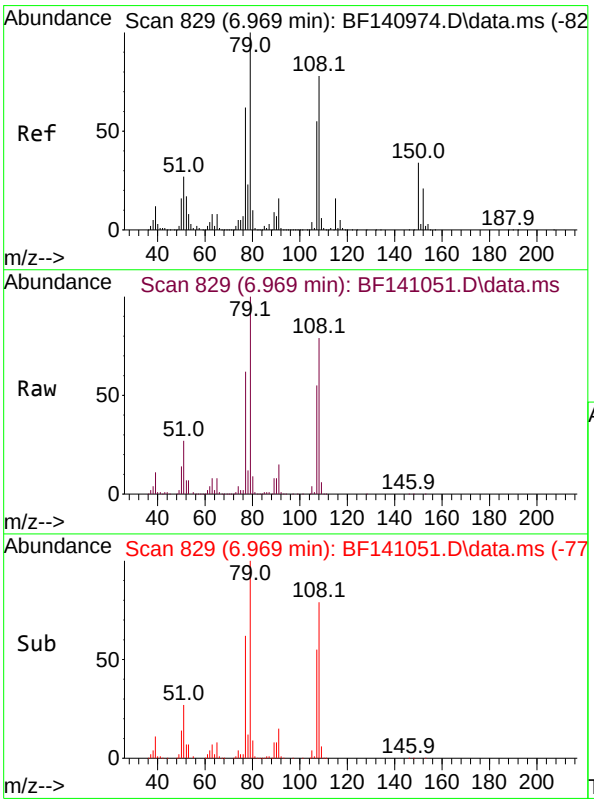
#14
1,2-Dichlorobenzene
Concen: 48.733 ng
RT: 6.998 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:146 Resp: 821715

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.6	76.0
111	45.3	37.3	55.9

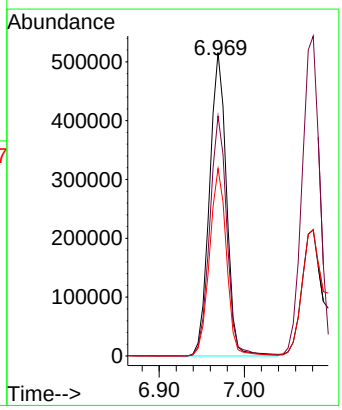


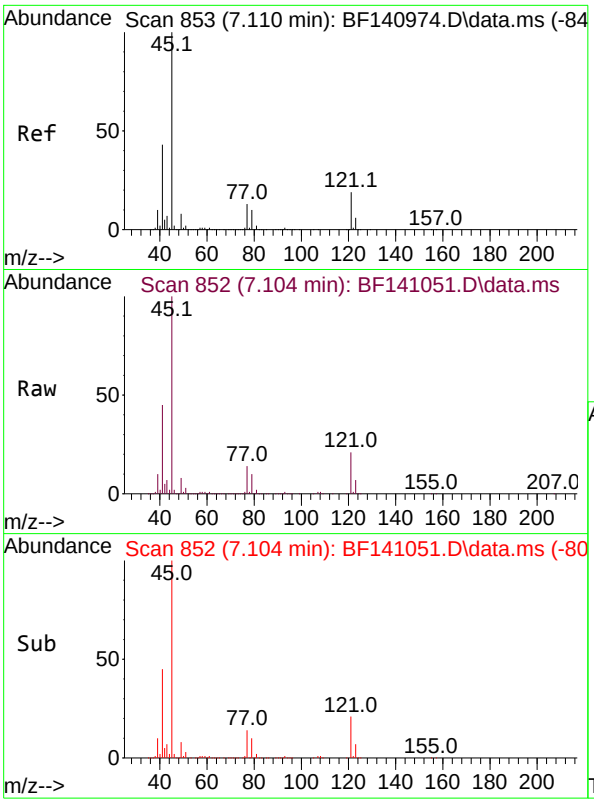


#15
Benzyl Alcohol
Concen: 50.023 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 79 Resp: 713963

Ion	Ratio	Lower	Upper
79	100		
108	79.1	62.5	93.7
77	61.8	49.3	73.9



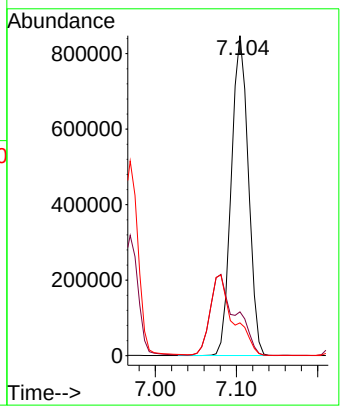


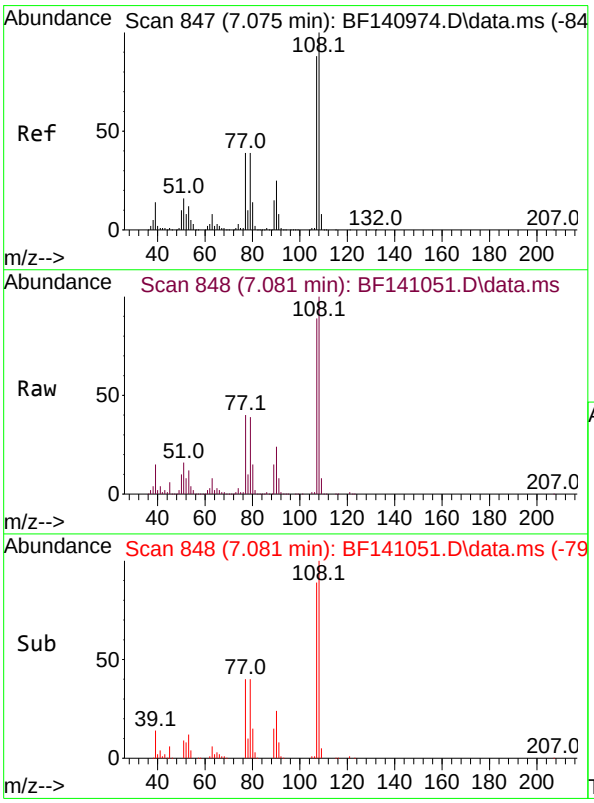
#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.092 ng
RT: 7.104 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 45 Resp: 1231138

Ion	Ratio	Lower	Upper
45	100		
77	13.7	0.0	33.1
79	10.3	0.0	30.1

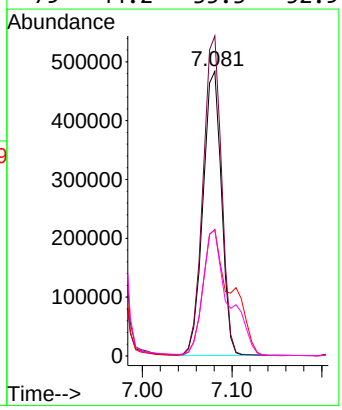


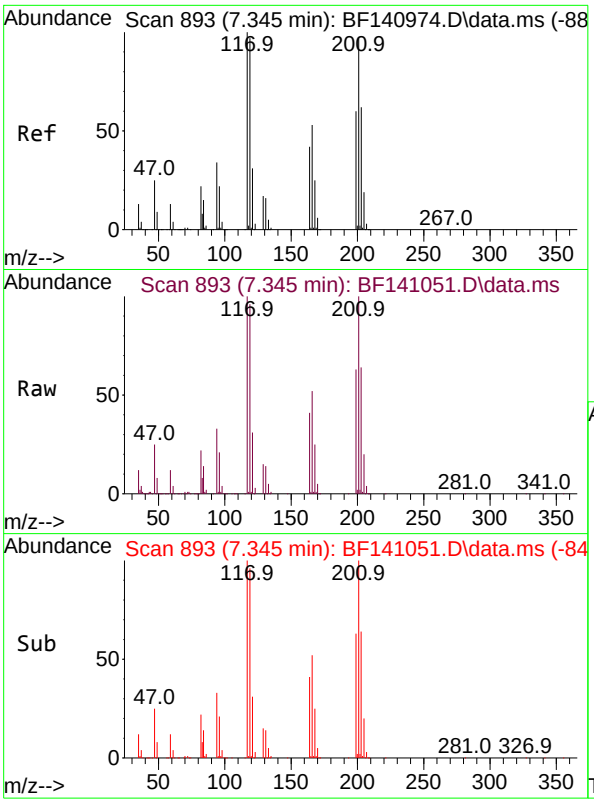


#17
2-Methylphenol
Concen: 51.219 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:107 Resp: 691685

Ion	Ratio	Lower	Upper
107	100		
108	112.4	90.6	136.0
77	44.5	35.3	52.9
79	44.2	35.3	52.9



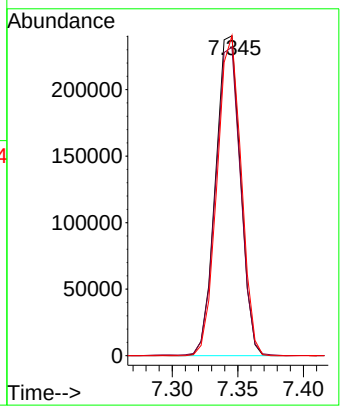


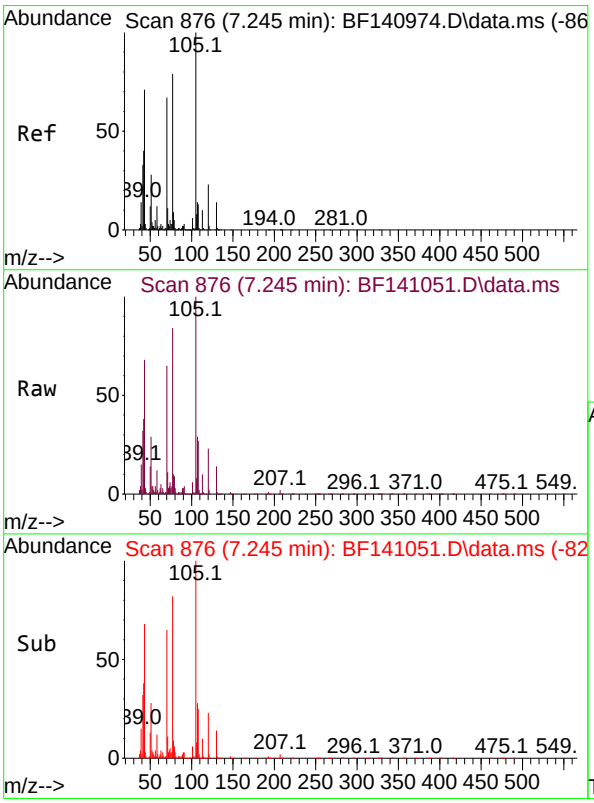
#18
Hexachloroethane
Concen: 49.147 ng
RT: 7.345 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:117 Resp: 315734

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.5	116.3
201	100.0	77.4	116.2

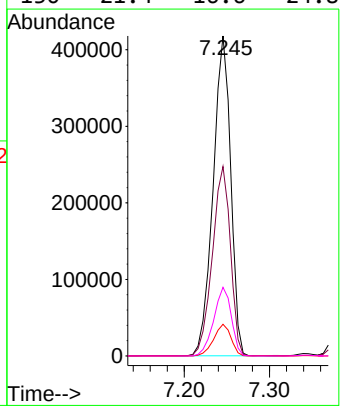


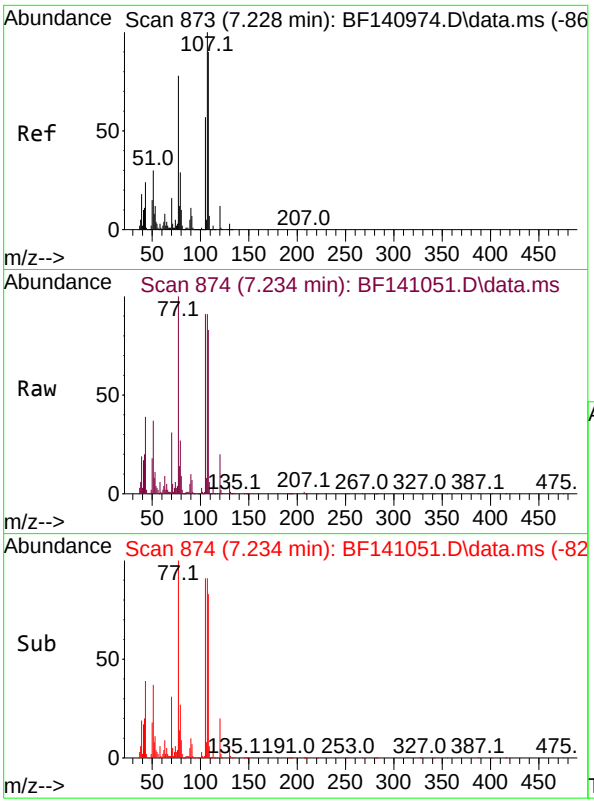


#19
n-Nitroso-di-n-propylamine
Concen: 49.223 ng
RT: 7.245 min Scan# 876
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 70 Resp: 598936

Ion	Ratio	Lower	Upper
70	100		
42	59.2	48.1	72.1
101	9.9	7.6	11.4
130	21.4	16.6	24.8



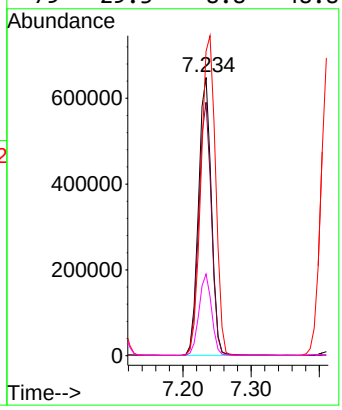


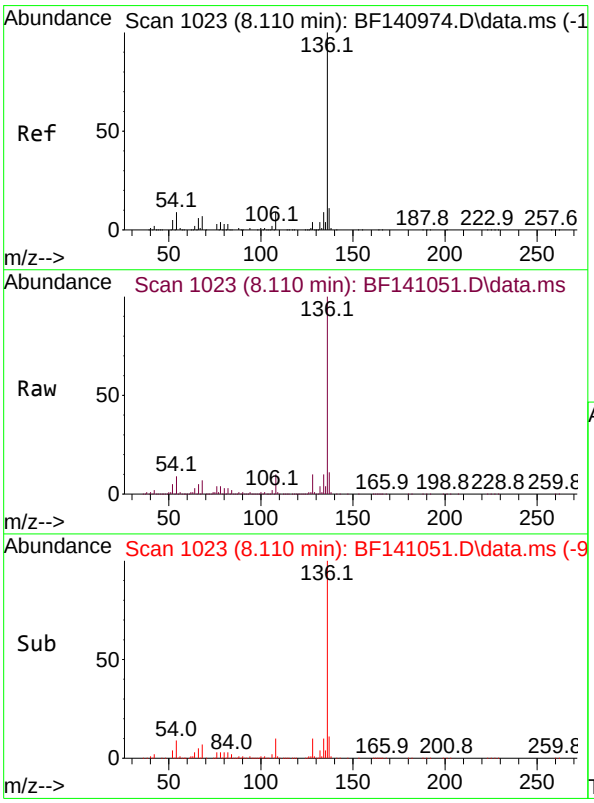
#20
3+4-Methylphenols
Concen: 49.570 ng
RT: 7.234 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:107 Resp: 847125

Ion	Ratio	Lower	Upper
107	100		
108	91.1	69.6	109.6
77	109.4	57.6	97.6#
79	29.3	8.8	48.8

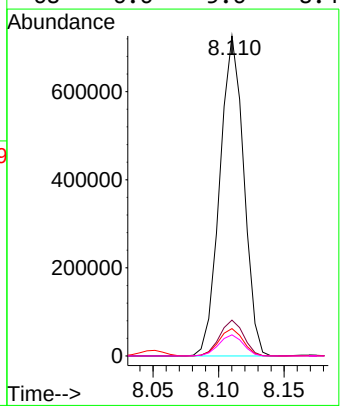


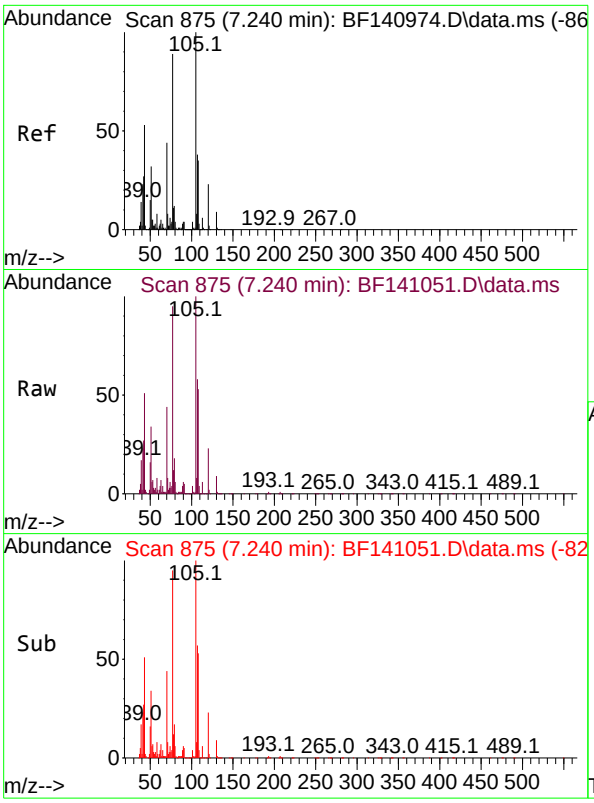


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:136 Resp: 925099

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	8.6	7.6	11.4
68	6.6	5.6	8.4



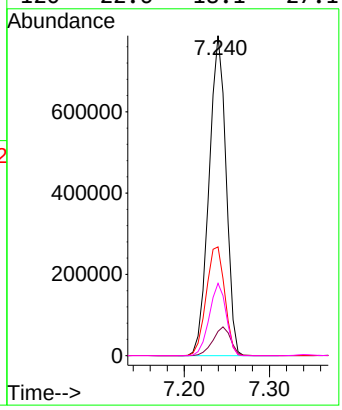


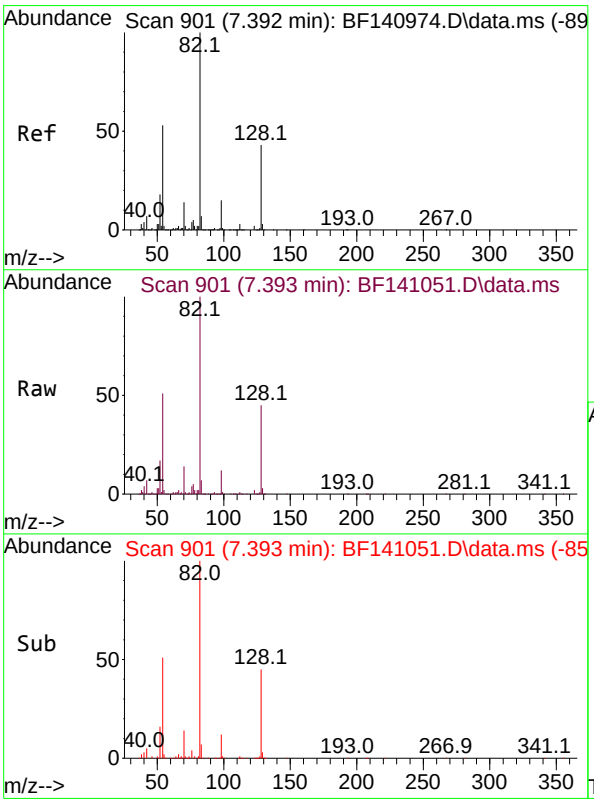
#22
Acetophenone
Concen: 48.179 ng
RT: 7.240 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:105 Resp: 1093369

Ion	Ratio	Lower	Upper
105	100		
71	7.6	6.1	9.1
51	34.0	25.8	38.6
120	22.6	18.1	27.1

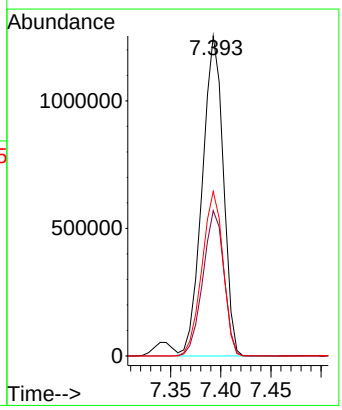


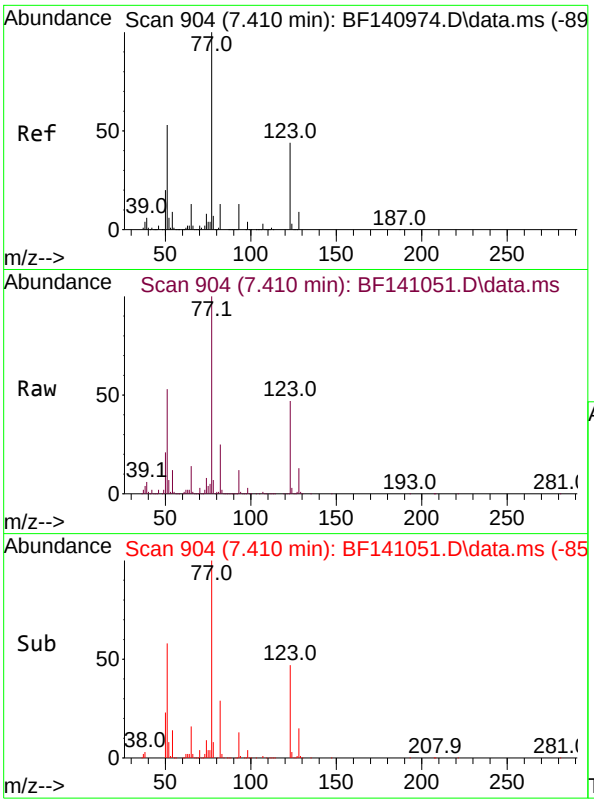


#23
Nitrobenzene-d5
Concen: 126.614 ng
RT: 7.393 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 82 Resp: 1830790

Ion	Ratio	Lower	Upper
82	100		
128	45.4	34.4	51.6
54	51.4	42.4	63.6



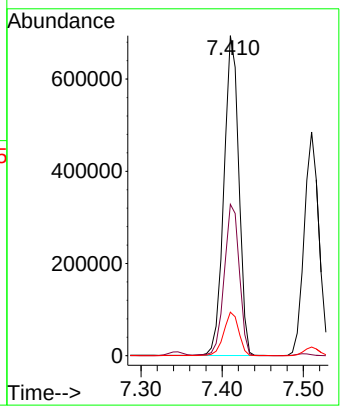


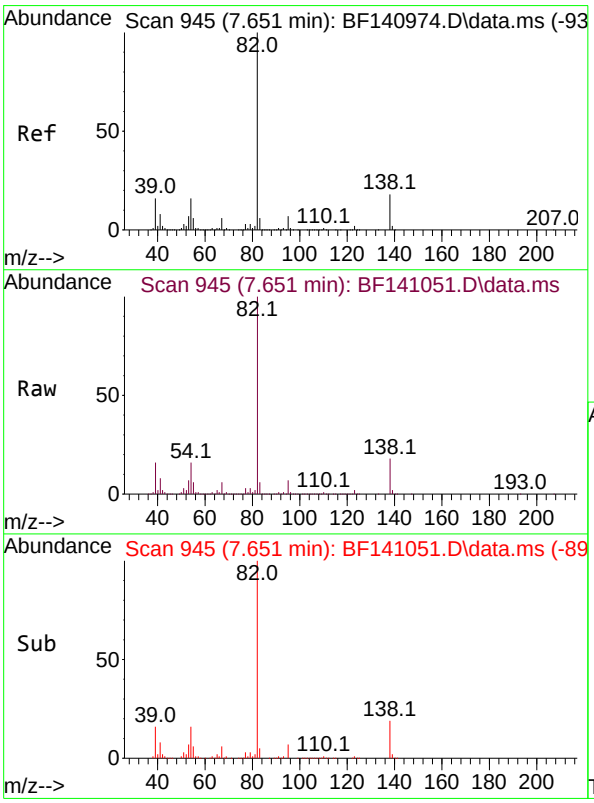
#24
Nitrobenzene
Concen: 54.743 ng
RT: 7.410 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 77 Resp: 884486

Ion	Ratio	Lower	Upper
77	100		
123	47.3	35.4	53.2
65	13.6	10.7	16.1

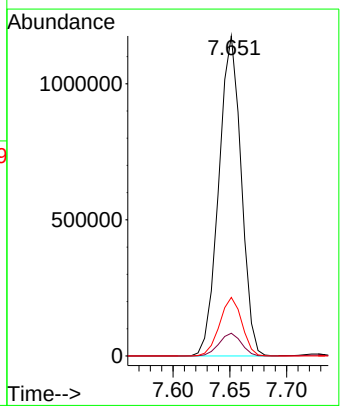


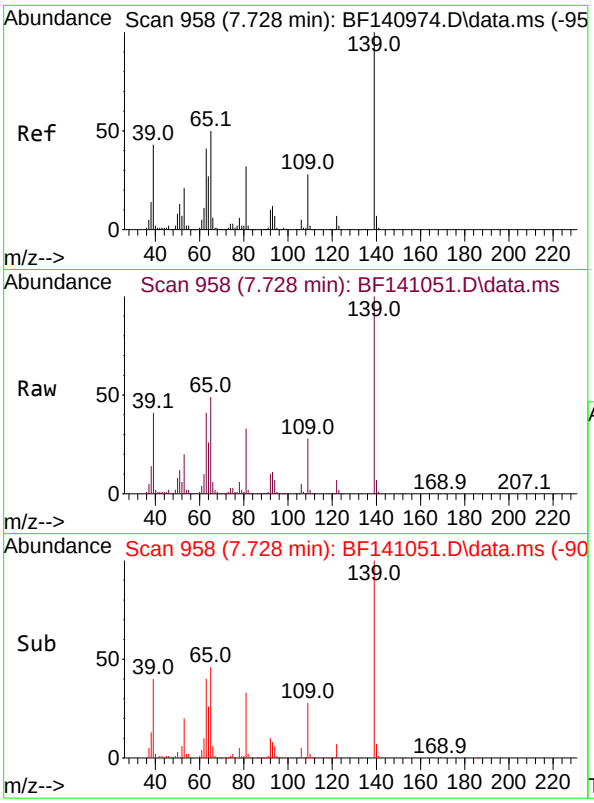


#25
Isophorone
Concen: 51.223 ng
RT: 7.651 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 82 Resp: 1611721

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	18.3	14.6	21.8



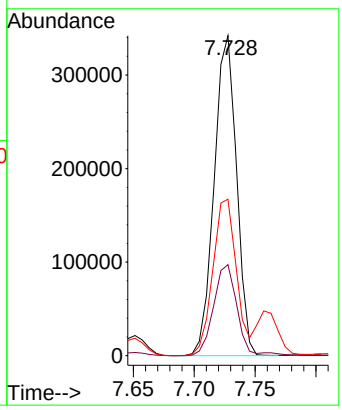


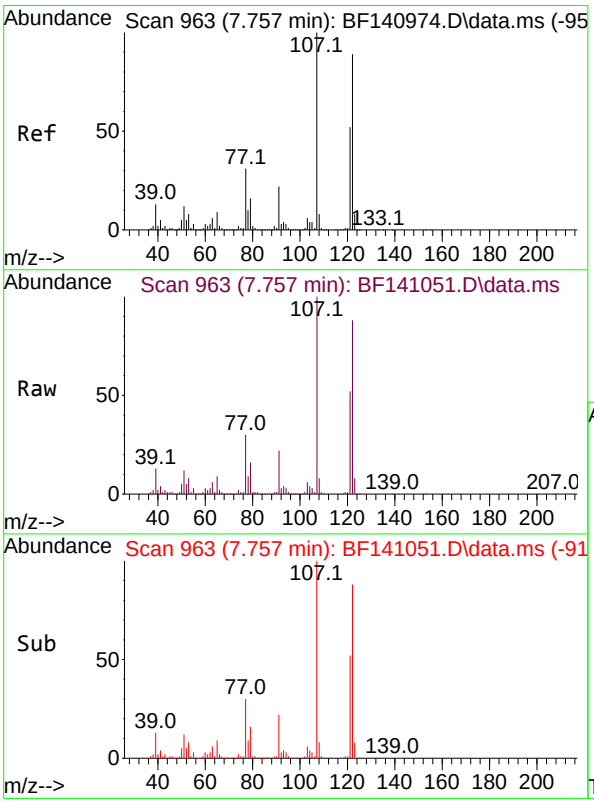
#26
2-Nitrophenol
Concen: 64.206 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:139 Resp: 438453

Ion	Ratio	Lower	Upper
139	100		
109	28.5	22.2	33.4
65	48.9	40.2	60.4

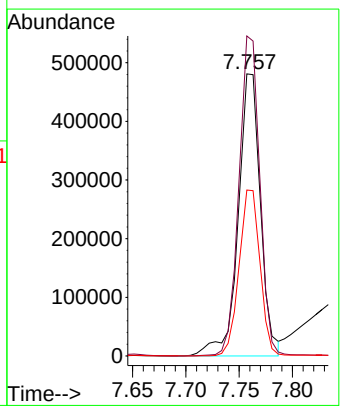


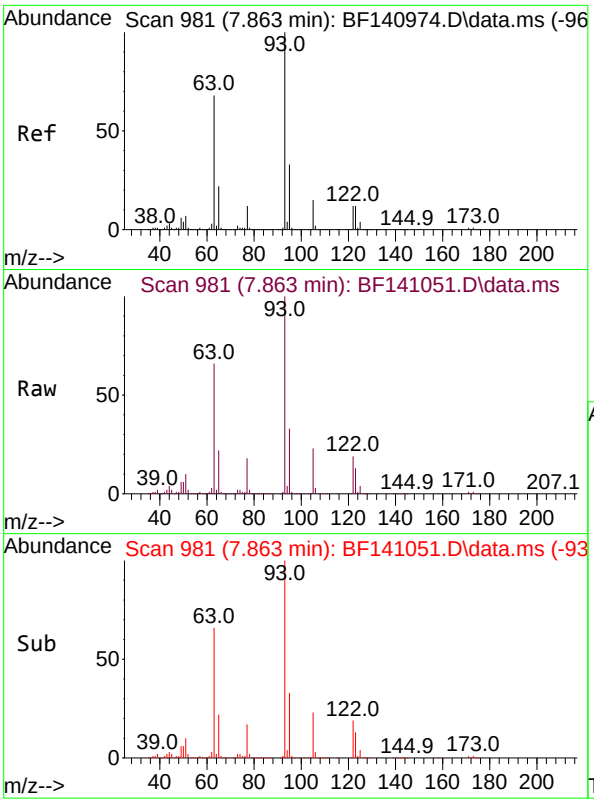


#27
2,4-Dimethylphenol
Concen: 60.921 ng
RT: 7.757 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:122 Resp: 700554

Ion	Ratio	Lower	Upper
122	100		
107	113.5	89.4	134.2
121	58.8	46.7	70.1



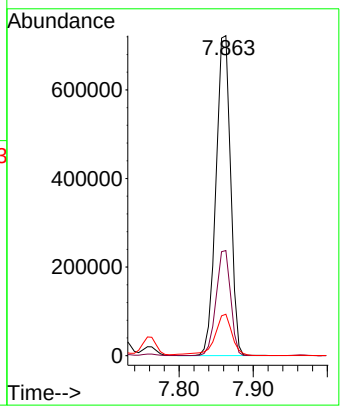


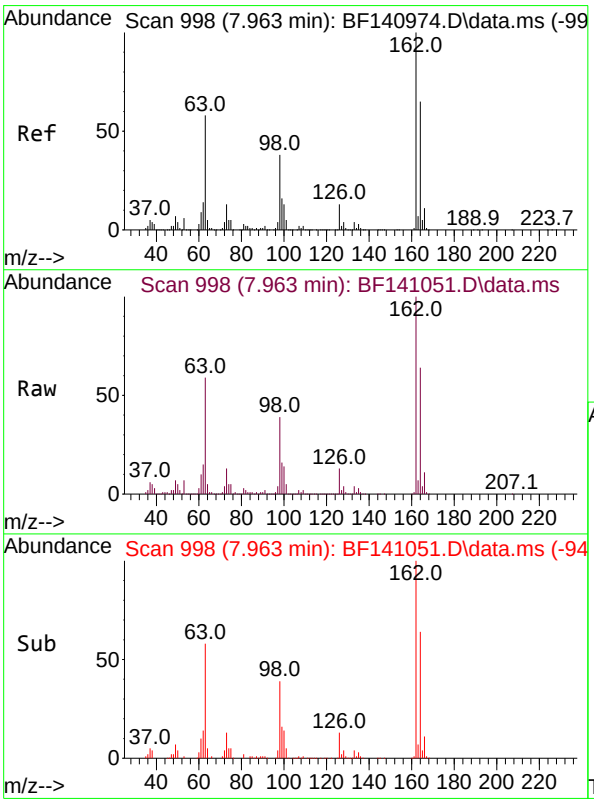
#28
bis(2-Chloroethoxy)methane
Concen: 49.547 ng
RT: 7.863 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 93 Resp: 987760

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.4
123	12.9	9.9	14.9

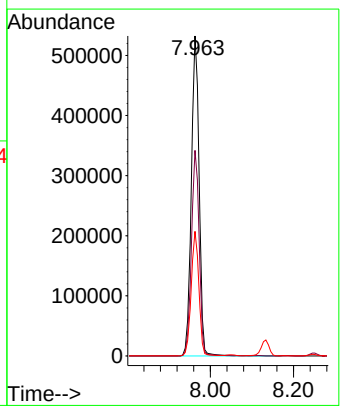


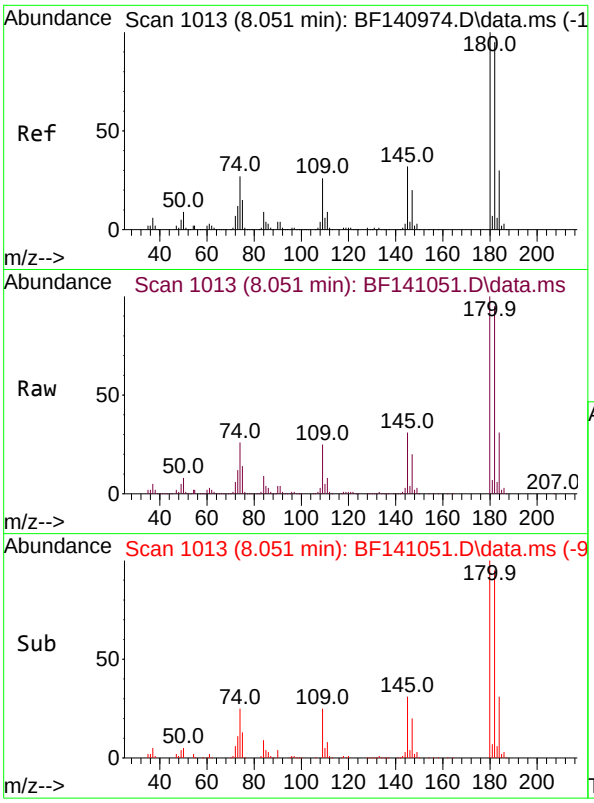


#29
2,4-Dichlorophenol
Concen: 53.229 ng
RT: 7.963 min Scan# 998
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:162 Resp: 694221

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.8	84.8
98	39.0	18.6	58.6



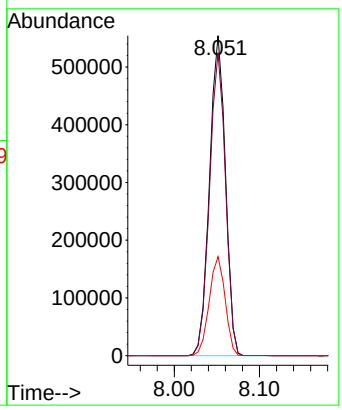


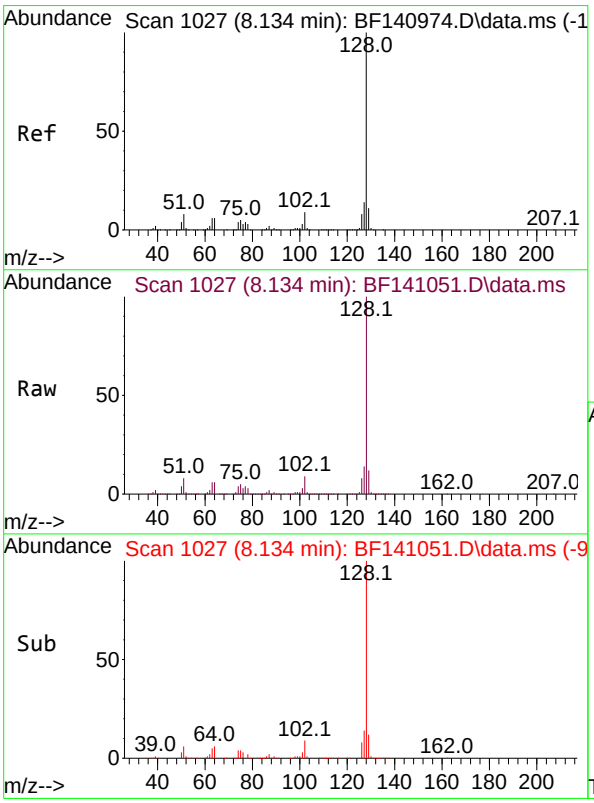
#30
1,2,4-Trichlorobenzene
Concen: 48.702 ng
RT: 8.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:180 Resp: 718917

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.4
145	31.0	25.4	38.2

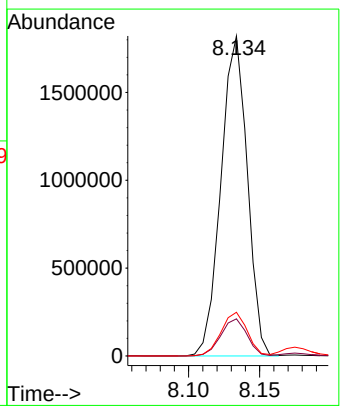


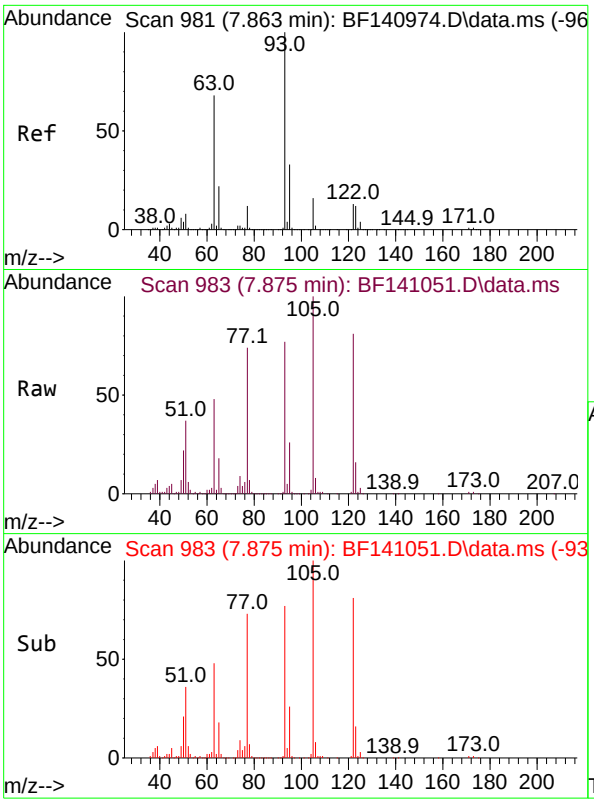


#31
Naphthalene
Concen: 48.189 ng
RT: 8.134 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:128 Resp: 2349067

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.7	11.0	16.4



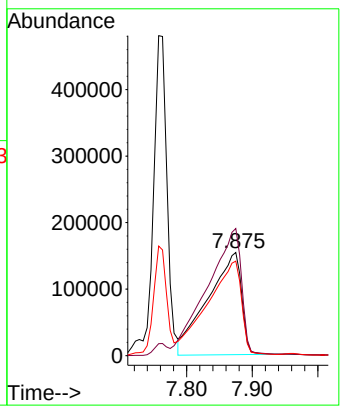


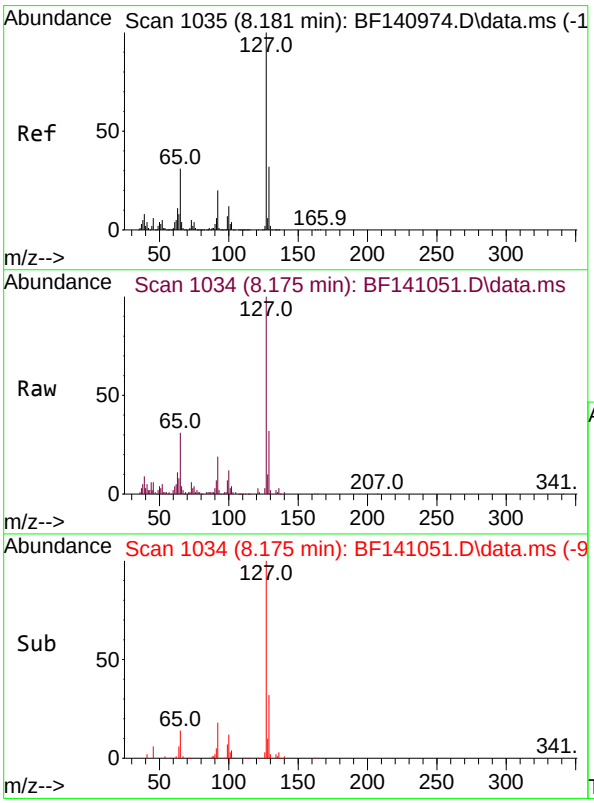
#32
Benzoic acid
Concen: 56.289 ng
RT: 7.875 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:122 Resp: 547658

Ion	Ratio	Lower	Upper
122	100		
105	123.3	105.4	145.4
77	91.7	76.4	116.4

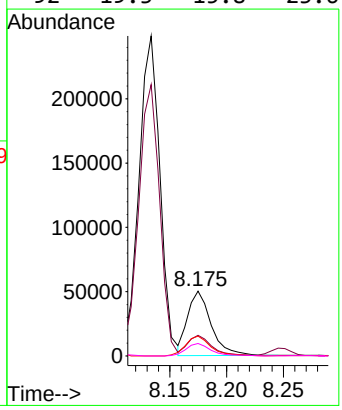


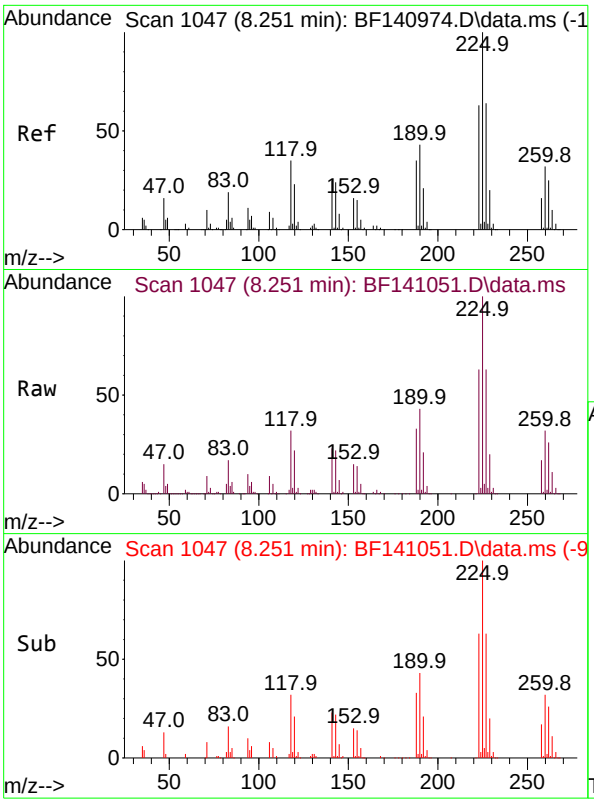


#33
4-Chloroaniline
Concen: 4.094 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:127 Resp: 72192

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.1	39.1
65	30.7	24.6	37.0
92	19.3	15.8	23.6



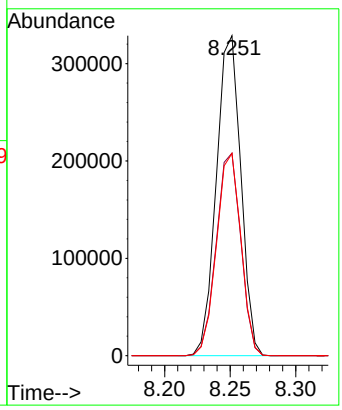


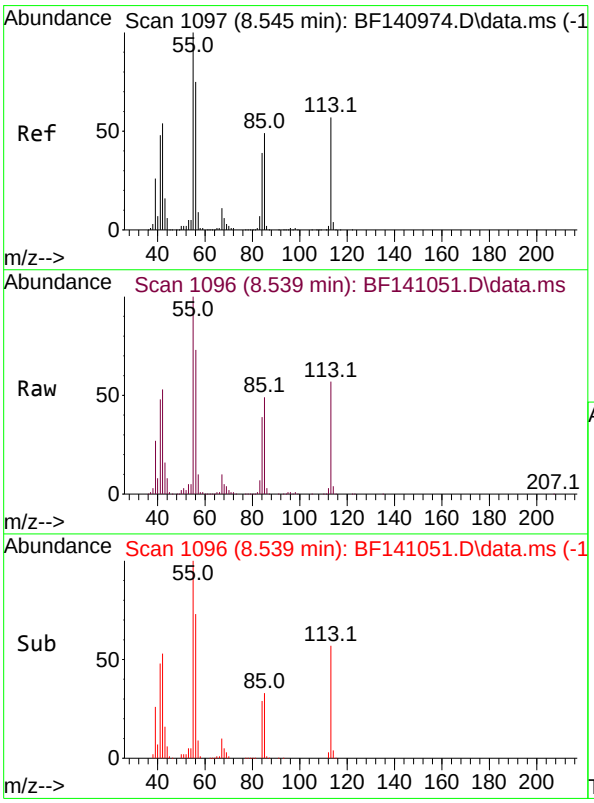
#34
Hexachlorobutadiene
Concen: 48.992 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:225 Resp: 426348

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.3	75.5
227	63.2	50.8	76.2

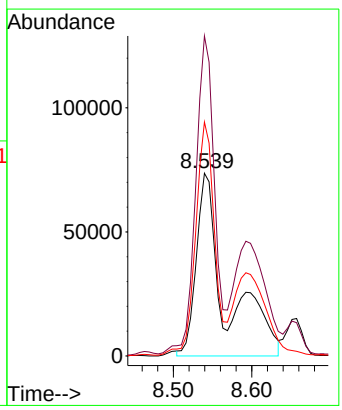


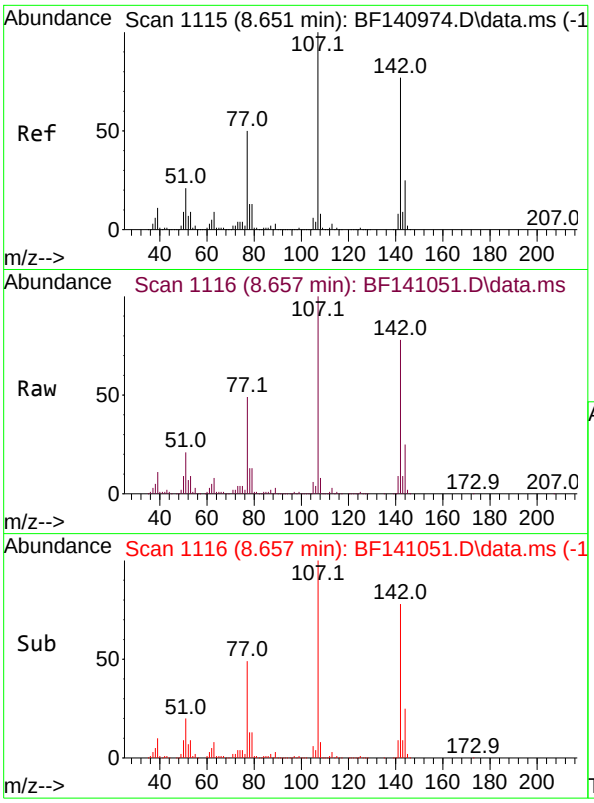


#35
Caprolactam
Concen: 43.289 ng m
RT: 8.539 min Scan# 1096
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:113 Resp: 191933

Ion	Ratio	Lower	Upper
113	100		
55	175.1	156.6	196.6
56	128.0	111.7	151.7



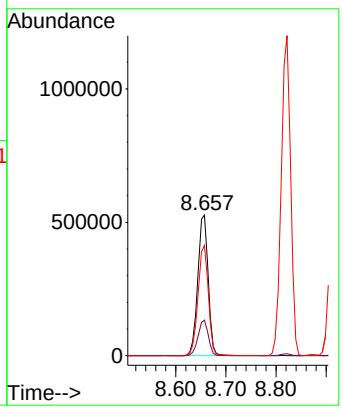


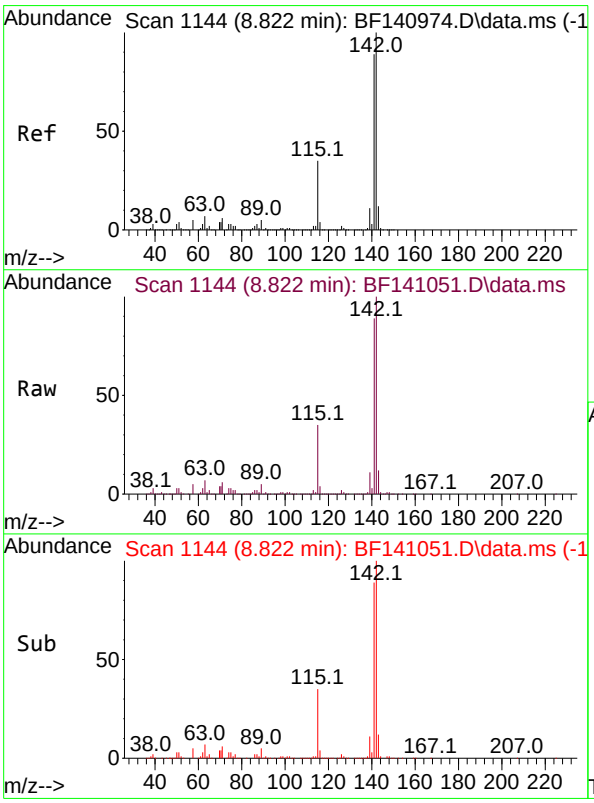
#36
4-Chloro-3-methylphenol
Concen: 52.532 ng
RT: 8.657 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:107 Resp: 760877

Ion	Ratio	Lower	Upper
107	100		
144	25.2	19.9	29.9
142	78.4	61.8	92.8

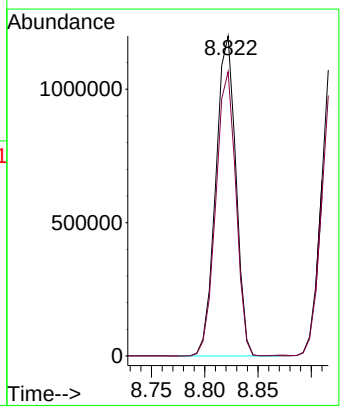


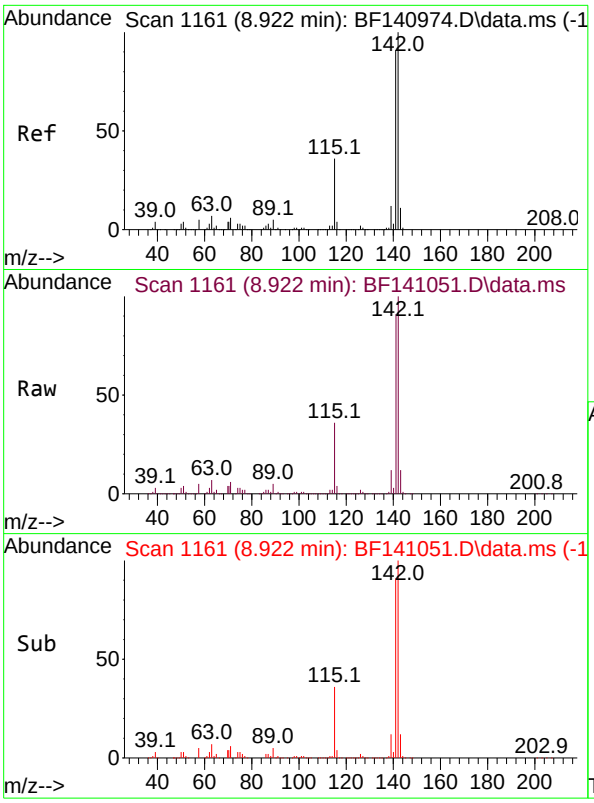


#37
2-Methylnaphthalene
Concen: 50.324 ng
RT: 8.822 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:142 Resp: 1569379

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.1	106.7



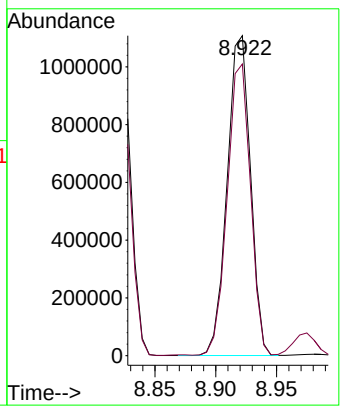


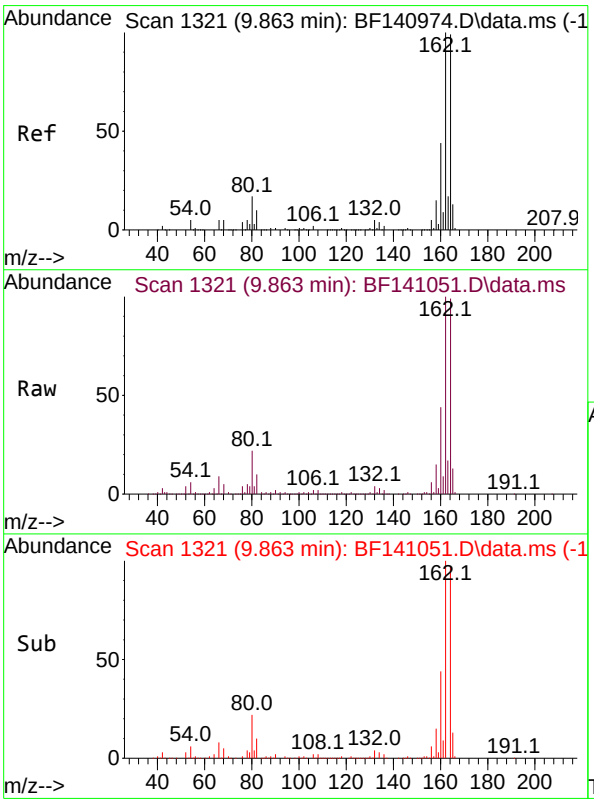
#38
1-Methylnaphthalene
Concen: 48.086 ng
RT: 8.922 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:142 Resp: 1473767

Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.7	109.1

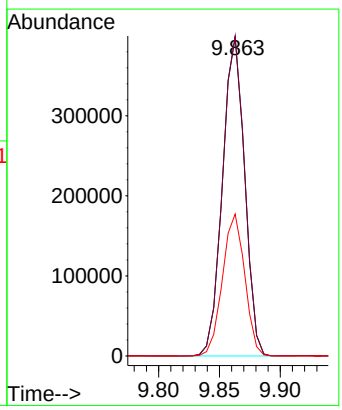


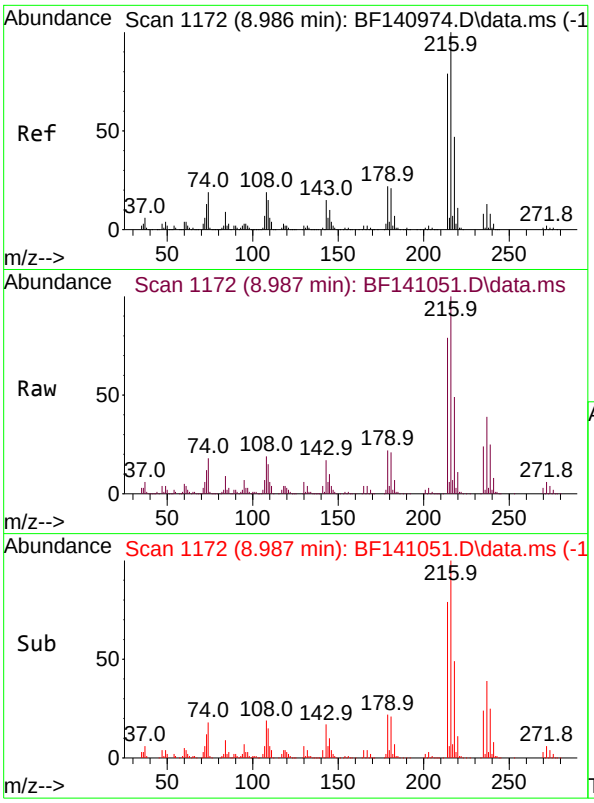


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:164 Resp: 503882

Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.6	120.8
160	44.6	35.7	53.5



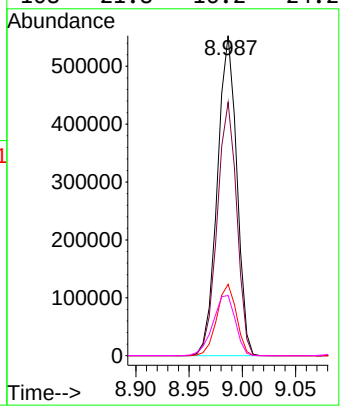


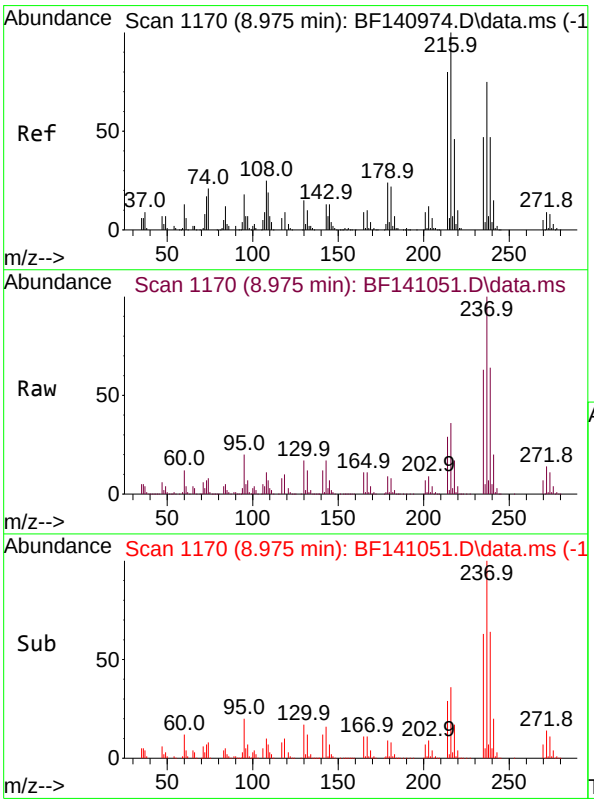
#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.510 ng
RT: 8.987 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:216 Resp: 700190

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.0	94.6
179	22.4	17.9	26.9
108	21.8	16.2	24.2

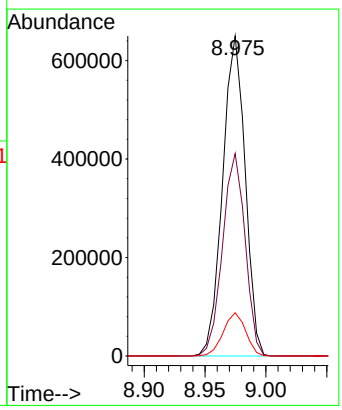


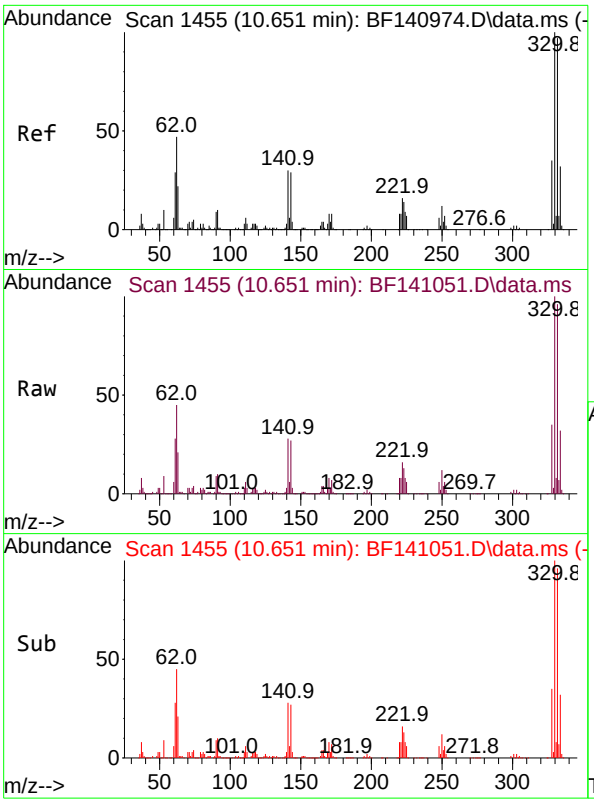


#41
Hexachlorocyclopentadiene
Concen: 182.207 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:237 Resp: 837030

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.4	83.4
272	13.5	0.0	32.6



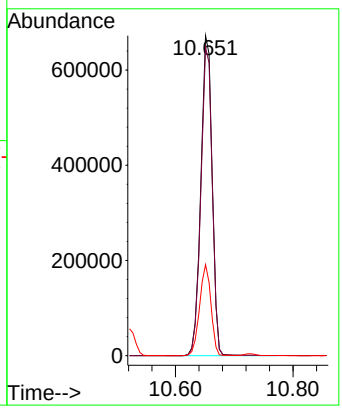


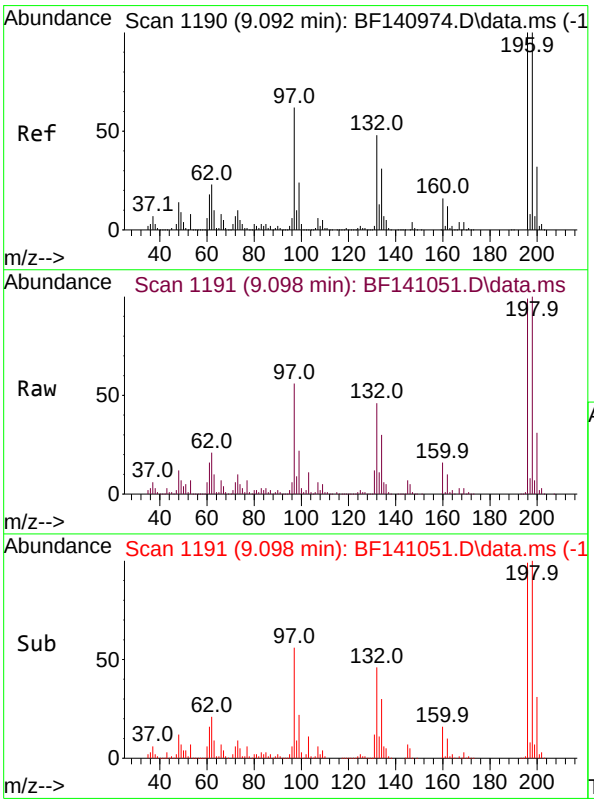
#42
2,4,6-Tribromophenol
Concen: 184.238 ng
RT: 10.651 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:330 Resp: 902078

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.0	117.0
141	28.5	26.4	39.6

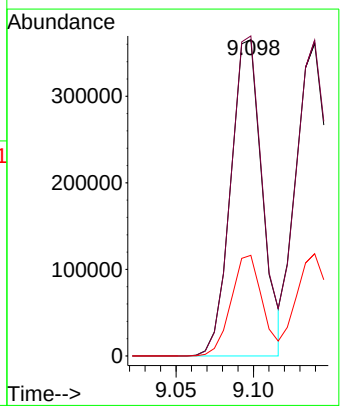


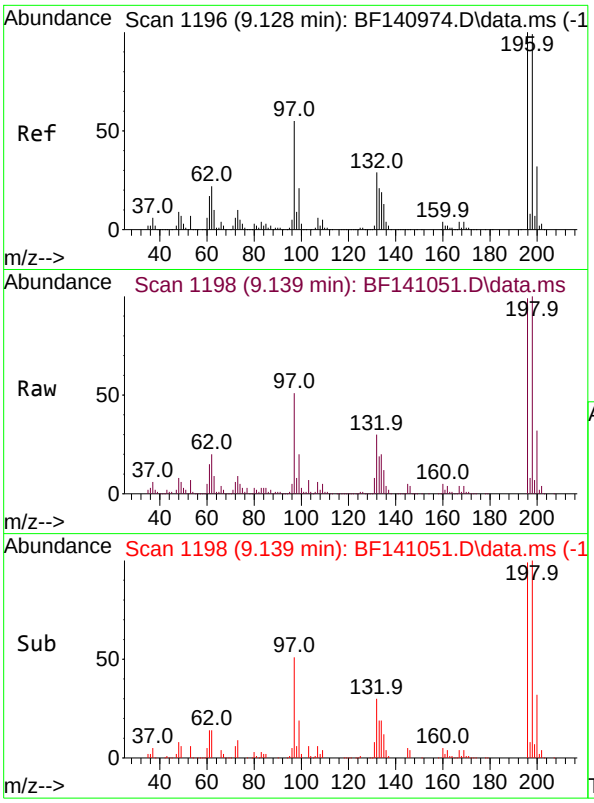


#43
2,4,6-Trichlorophenol
Concen: 56.035 ng
RT: 9.098 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:196 Resp: 516987

Ion	Ratio	Lower	Upper
196	100		
198	101.1	80.2	120.4
200	31.8	25.8	38.6



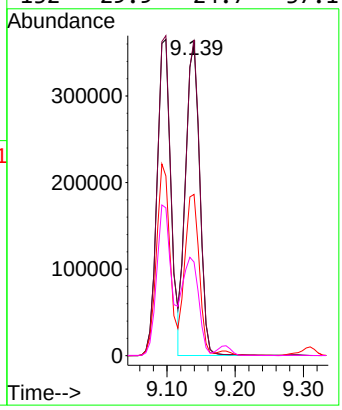


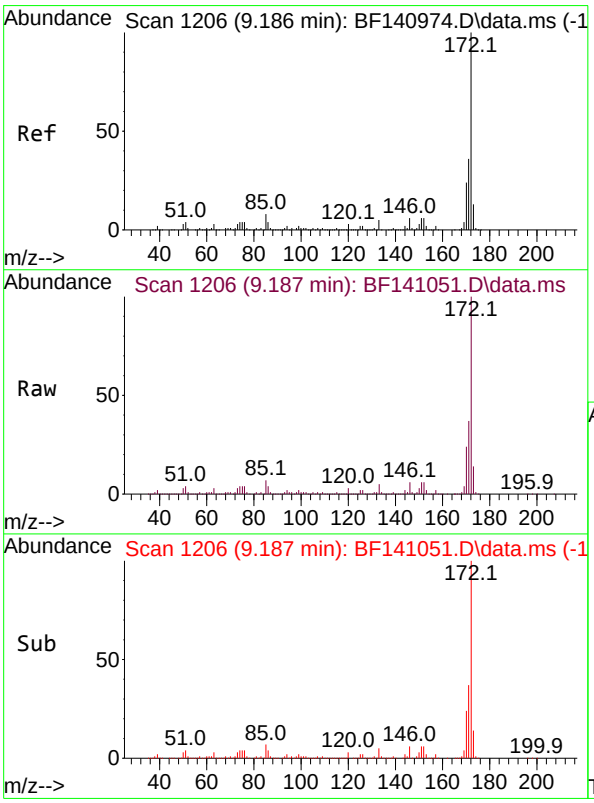
#44
2,4,5-Trichlorophenol
Concen: 54.792 ng
RT: 9.139 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:196 Resp: 517247

Ion	Ratio	Lower	Upper
196	100		
198	100.9	79.9	119.9
97	51.6	44.3	66.5
132	29.9	24.7	37.1

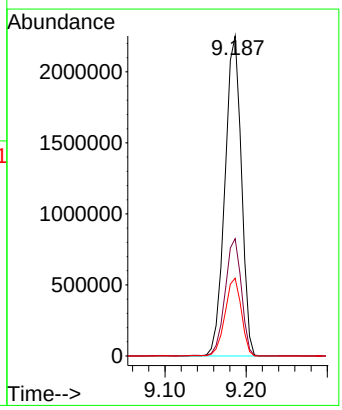


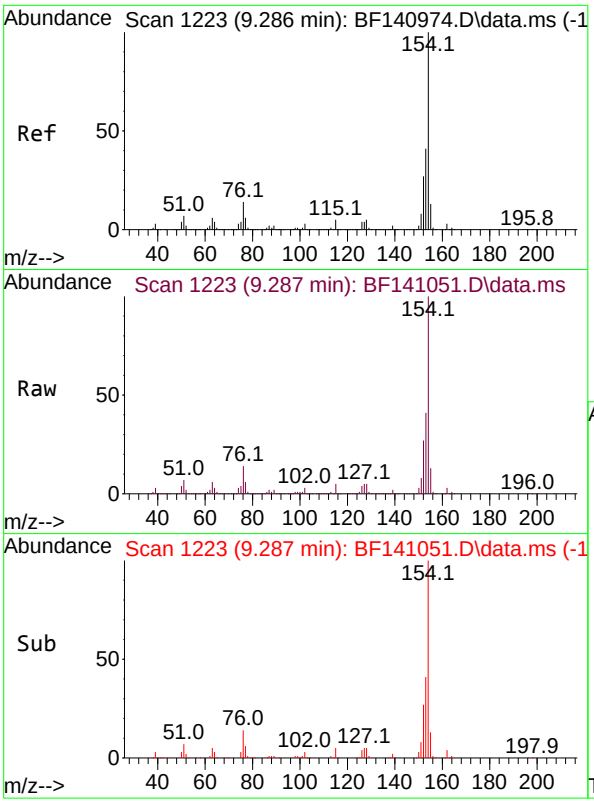


#45
2-Fluorobiphenyl
Concen: 100.375 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:172 Resp: 3174486

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.0	43.4
170	24.3	19.6	29.4



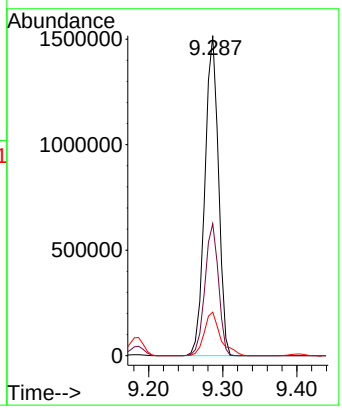


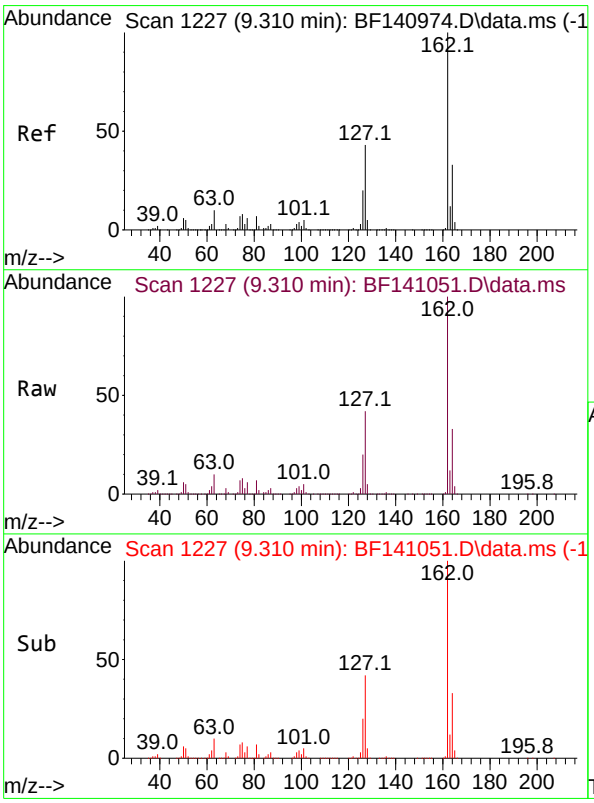
#46
1,1'-Biphenyl
Concen: 50.078 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:154 Resp: 1932118

Ion	Ratio	Lower	Upper
154	100		
153	41.3	20.9	60.9
76	13.6	0.0	34.0

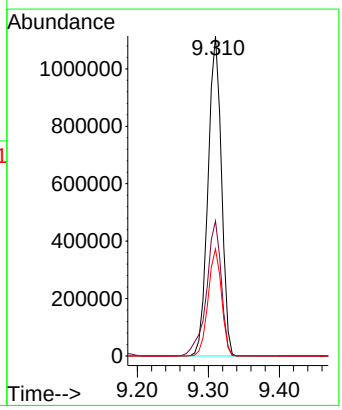


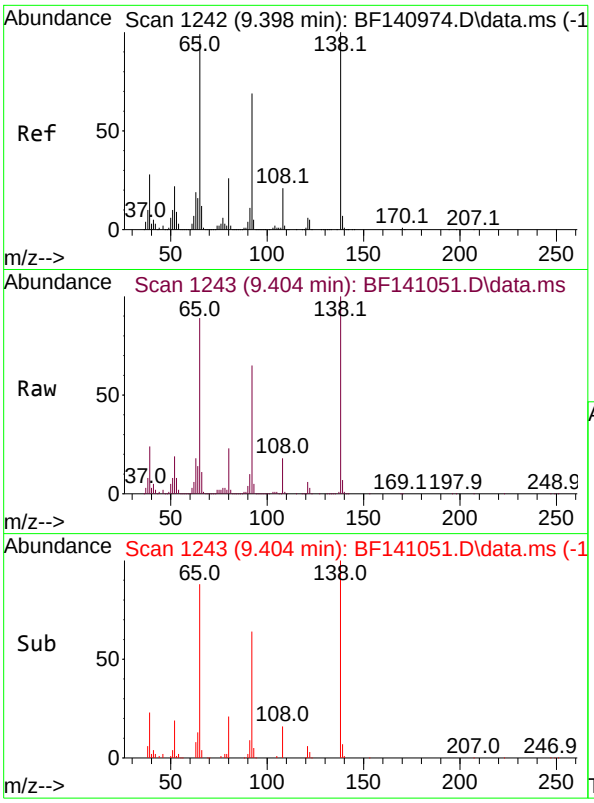


#47
2-Chloronaphthalene
Concen: 48.934 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:162 Resp: 1464242

Ion	Ratio	Lower	Upper
162	100		
127	42.2	34.2	51.4
164	33.4	26.6	40.0



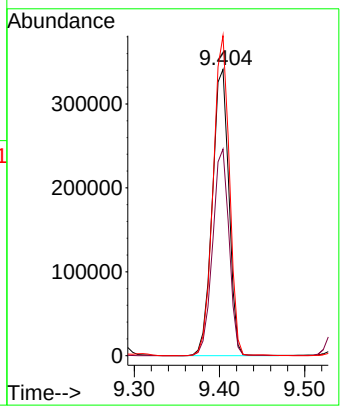


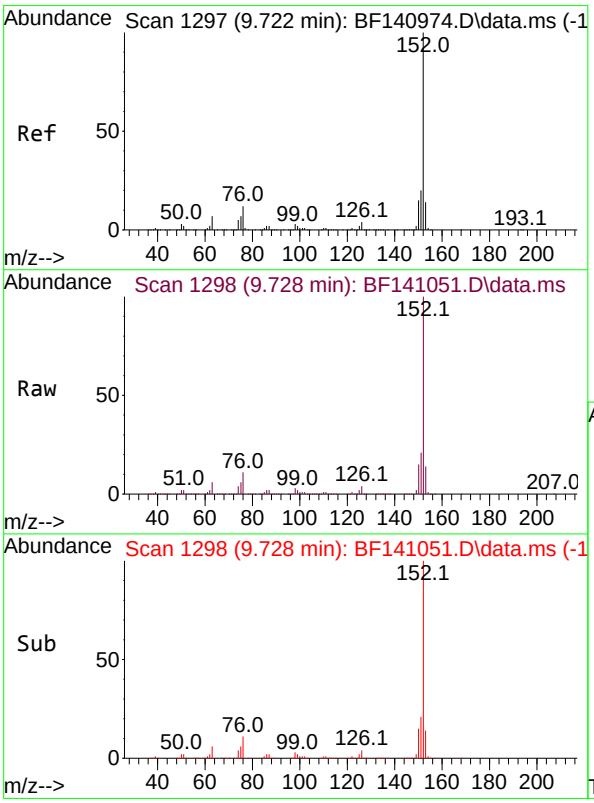
#48
2-Nitroaniline
Concen: 57.795 ng
RT: 9.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 65 Resp: 460638

Ion	Ratio	Lower	Upper
65	100		
92	72.2	55.6	83.4
138	111.8	80.5	120.7

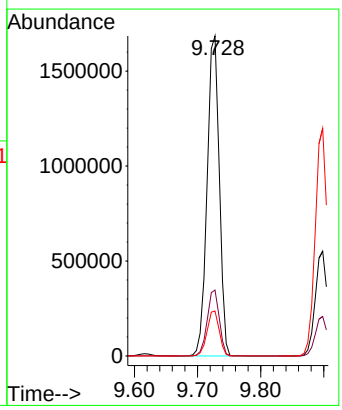


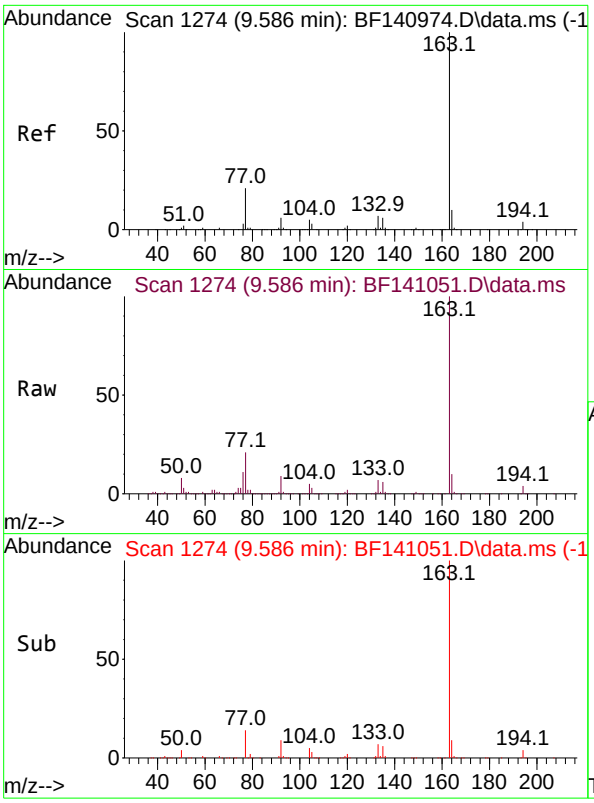


#49
Acenaphthylene
Concen: 52.519 ng
RT: 9.728 min Scan# 1298
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:152 Resp: 2262303

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4
153	14.1	11.4	17.0



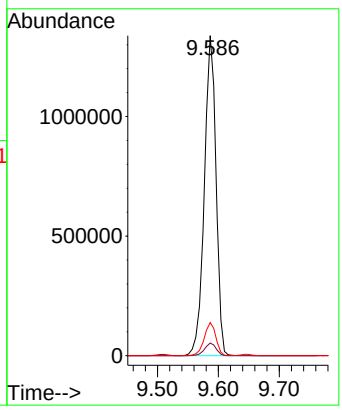


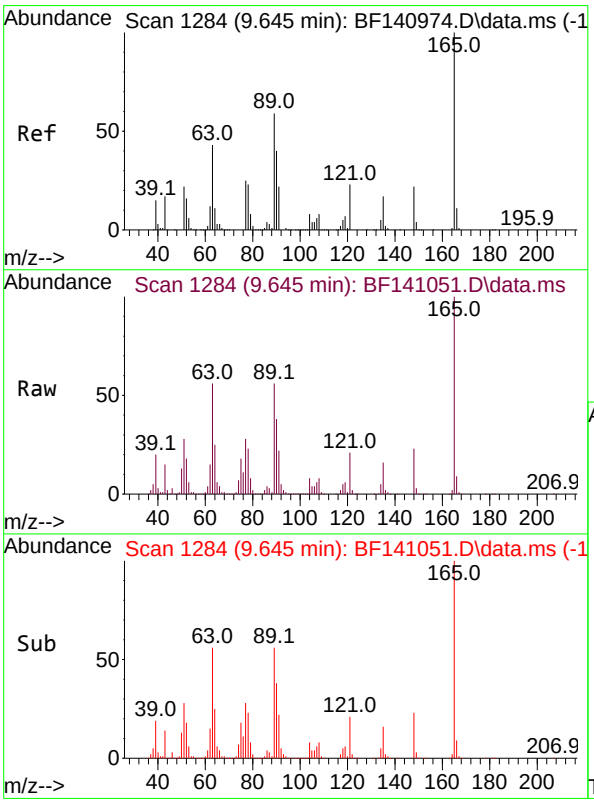
#50
Dimethylphthalate
Concen: 53.897 ng
RT: 9.586 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:163 Resp: 1786357

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.3	12.5

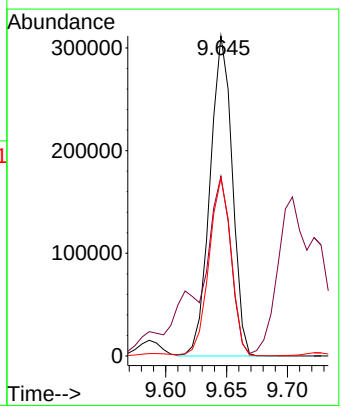


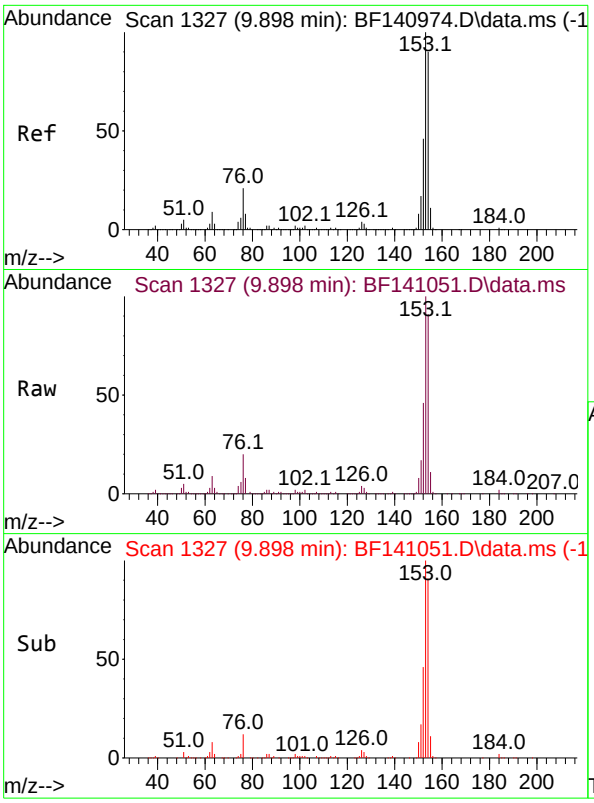


#51
2,6-Dinitrotoluene
Concen: 57.772 ng
RT: 9.645 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:165 Resp: 395932

Ion	Ratio	Lower	Upper
165	100		
63	56.1	47.1	70.7
89	55.6	47.0	70.4



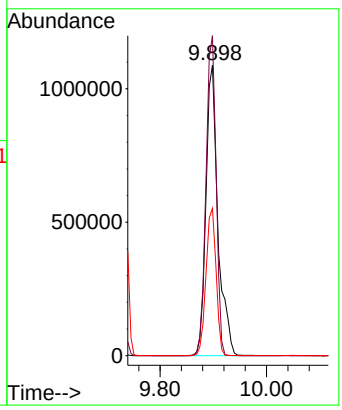


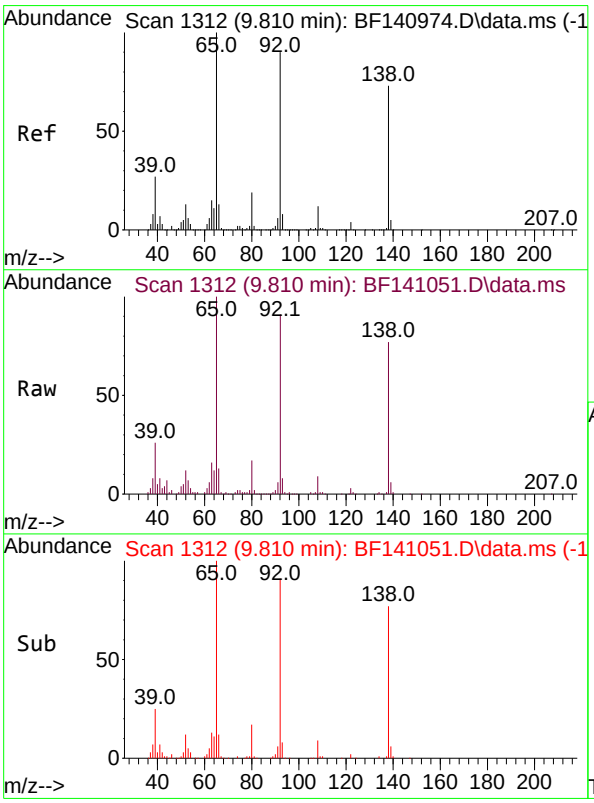
#52
Acenaphthene
Concen: 58.334 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:154 Resp: 1698760

Ion	Ratio	Lower	Upper
154	100		
153	110.2	89.2	133.8
152	50.7	40.9	61.3

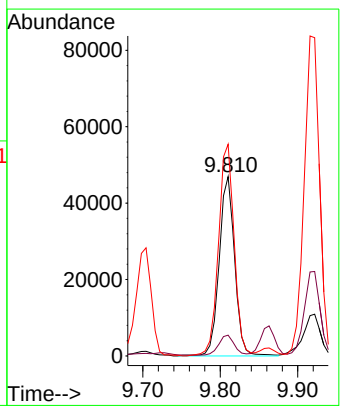


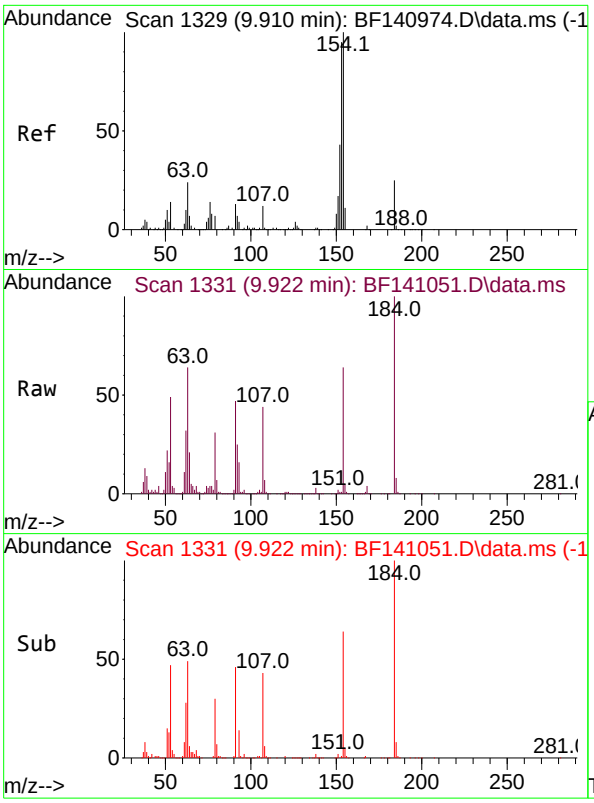


#53
3-Nitroaniline
Concen: 11.544 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:138 Resp: 65298

Ion	Ratio	Lower	Upper
138	100		
108	11.6	13.5	20.3#
92	118.1	97.7	146.5



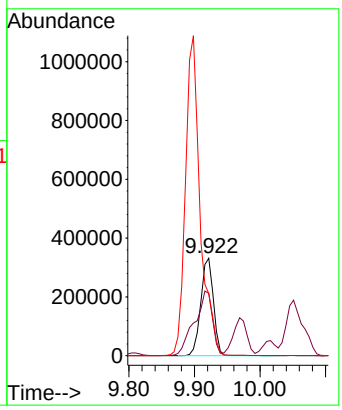


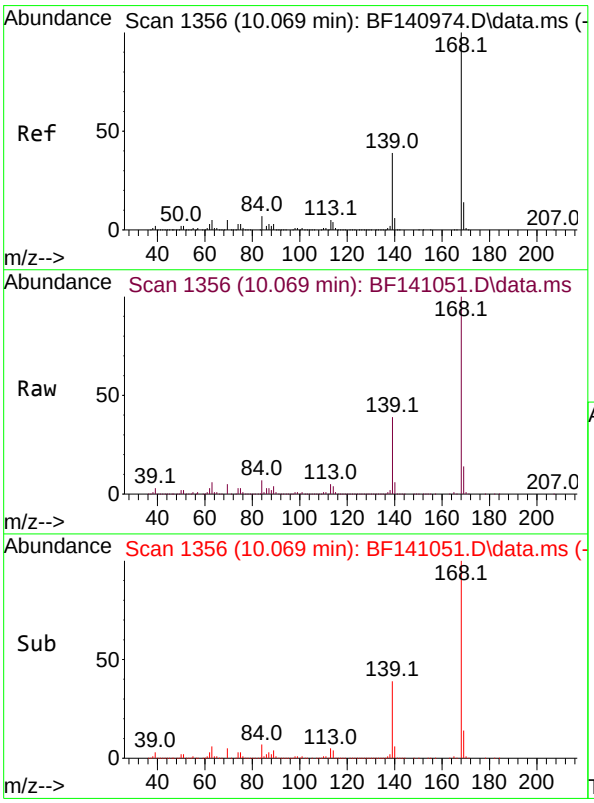
#54
2,4-Dinitrophenol
Concen: 129.142 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:184 Resp: 446375

Ion	Ratio	Lower	Upper
184	100		
63	63.9	81.6	122.4#
154	63.7	363.5	545.3#

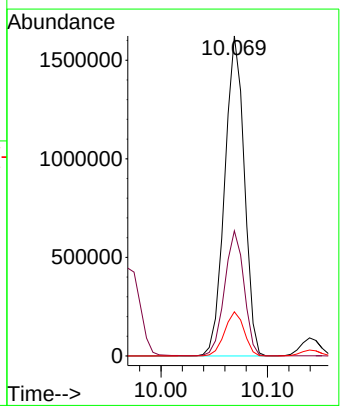


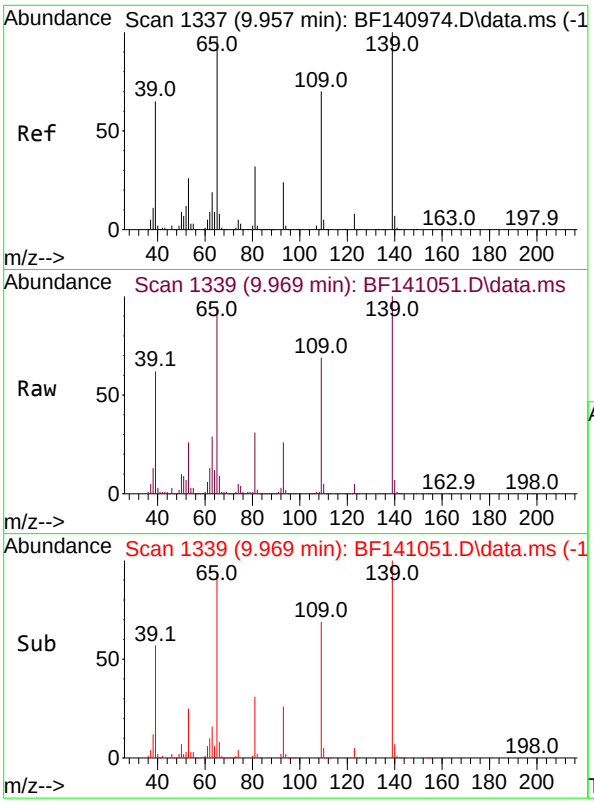


#55
Dibenzofuran
Concen: 50.661 ng
RT: 10.069 min Scan# 1356
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:168 Resp: 2073334

Ion	Ratio	Lower	Upper
168	100		
139	39.1	31.6	47.4
169	13.8	11.0	16.6



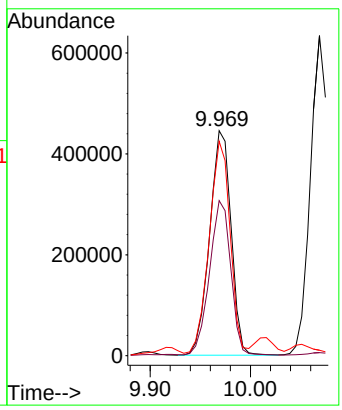


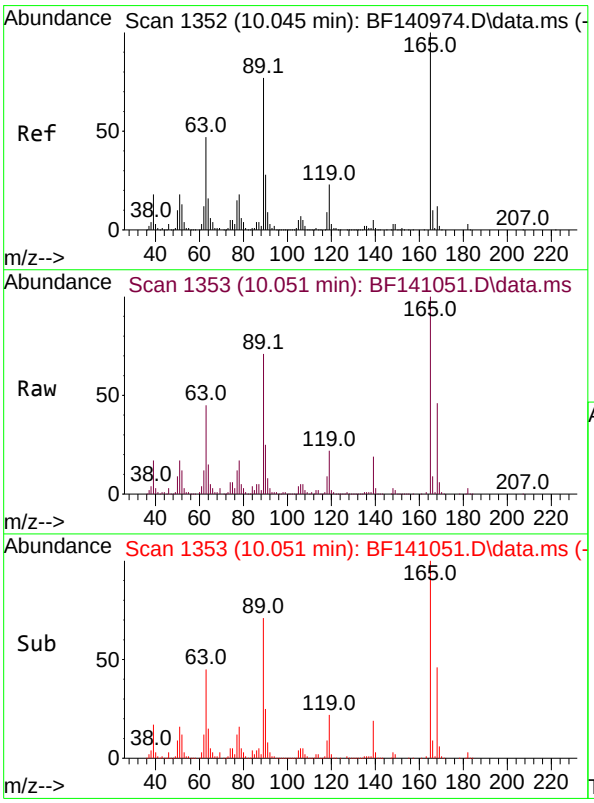
#56
4-Nitrophenol
Concen: 116.604 ng
RT: 9.969 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:139 Resp: 661085

Ion	Ratio	Lower	Upper
139	100		
109	69.0	50.8	90.8
65	95.3	78.5	118.5

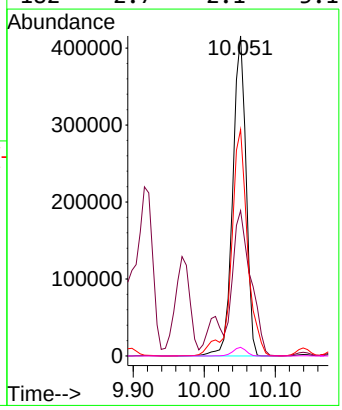


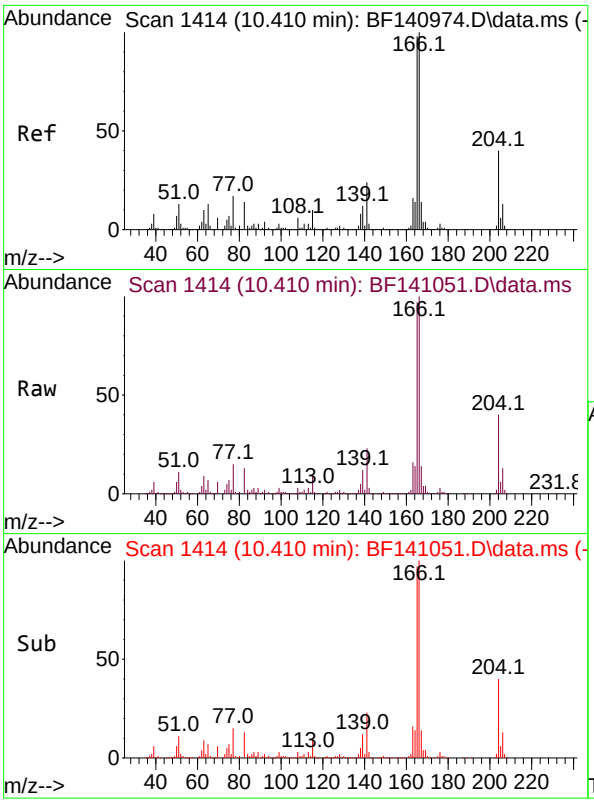


#57
2,4-Dinitrotoluene
Concen: 63.887 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:165 Resp: 542012

Ion	Ratio	Lower	Upper
165	100		
63	45.4	38.1	57.1
89	70.8	61.4	92.2
182	2.7	2.1	3.1



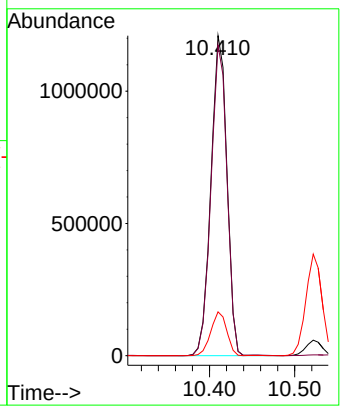


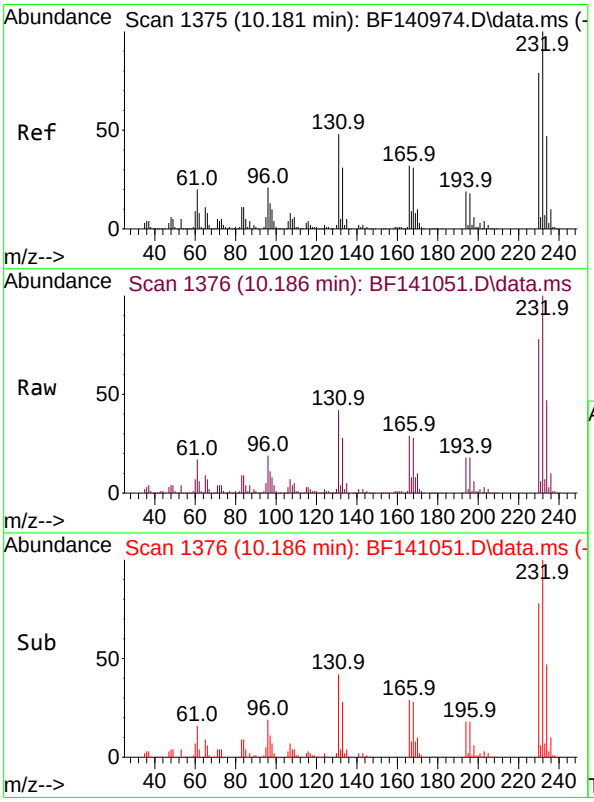
#58
Fluorene
Concen: 49.790 ng
RT: 10.410 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:166 Resp: 1580114

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.3	117.5
167	13.7	10.9	16.3

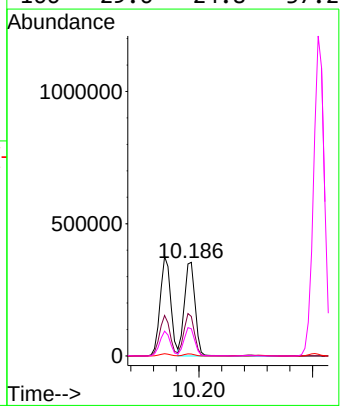


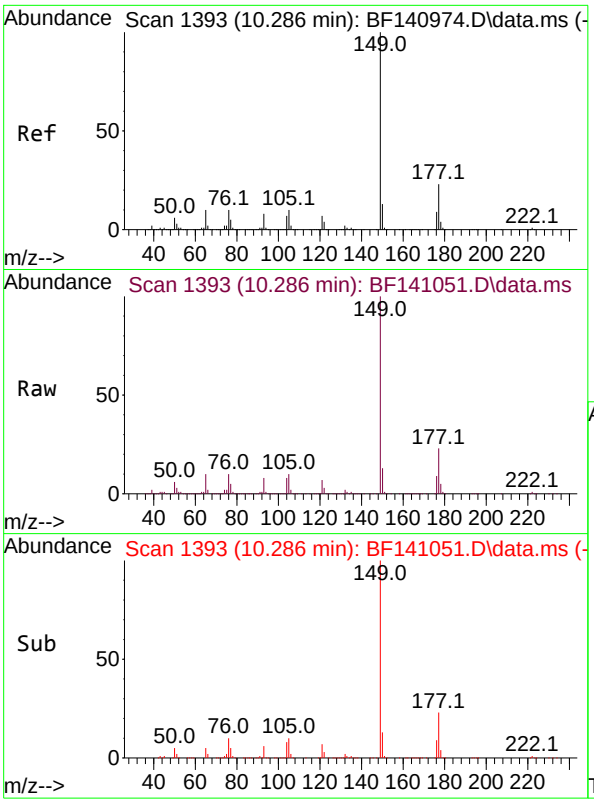


#59
2,3,4,6-Tetrachlorophenol
Concen: 59.215 ng
RT: 10.186 min Scan# 1376
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:232 Resp: 462961

Ion	Ratio	Lower	Upper
232	100		
131	44.0	37.4	56.2
130	2.2	1.8	2.8
166	29.6	24.8	37.2



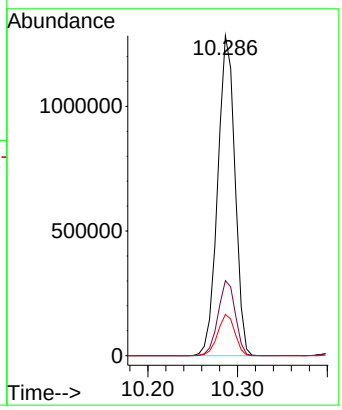


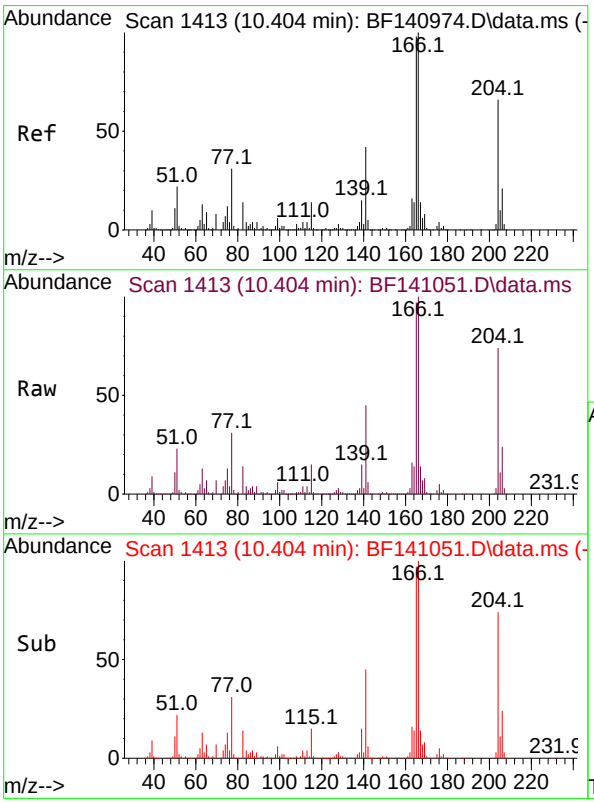
#60
Diethylphthalate
Concen: 52.335 ng
RT: 10.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:149 Resp: 1712441

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.3	27.5
150	12.9	10.4	15.6

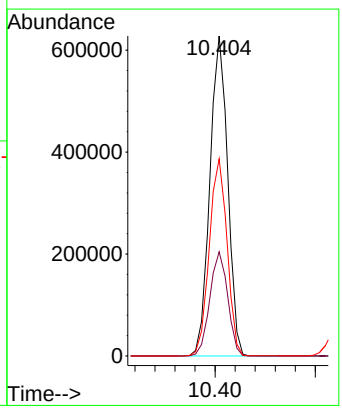


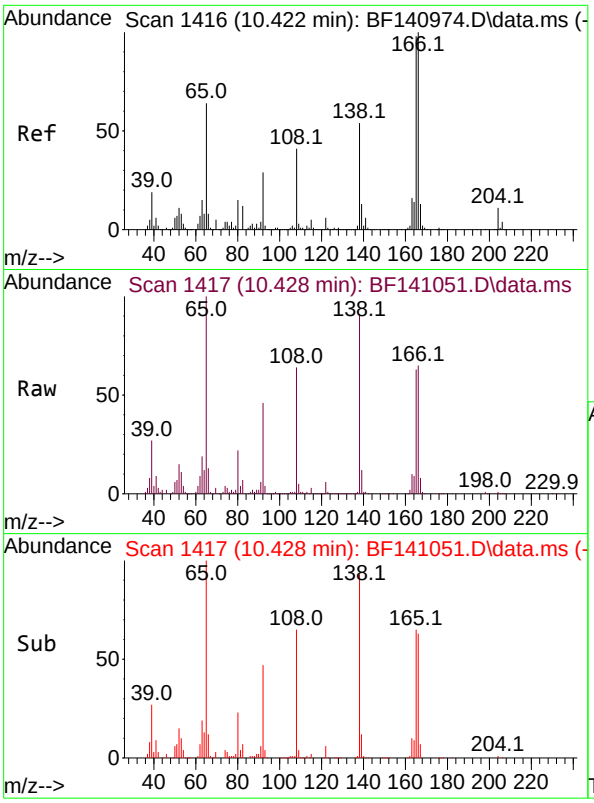


#61
4-Chlorophenyl-phenylether
Concen: 50.650 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:204 Resp: 773442

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.6
141	61.6	51.2	76.8



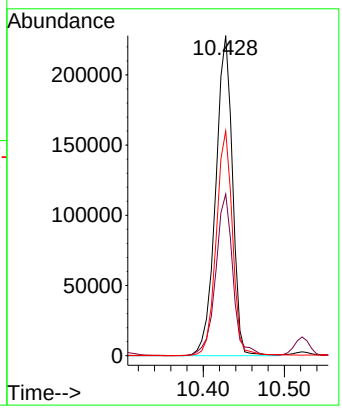


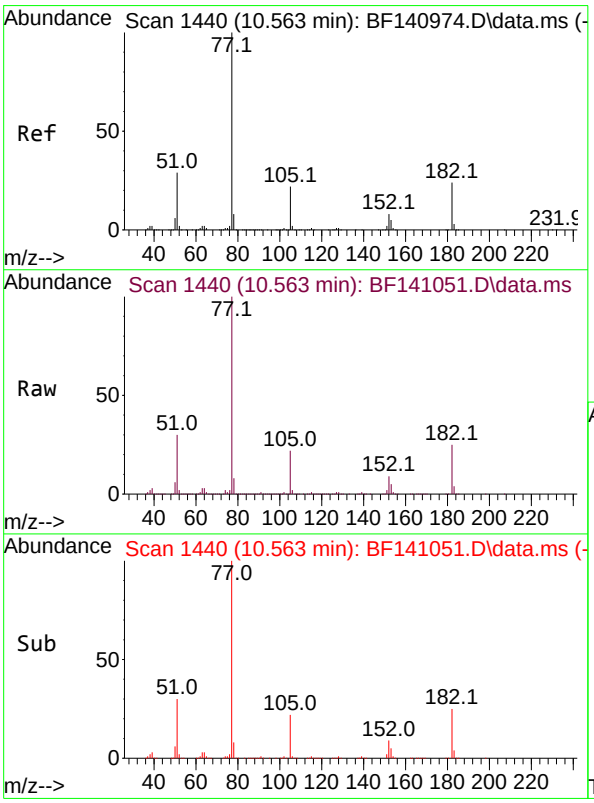
#62
4-Nitroaniline
Concen: 44.986 ng
RT: 10.428 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:138 Resp: 328695

Ion	Ratio	Lower	Upper
138	100		
92	50.5	34.8	74.8
108	70.2	55.9	95.9

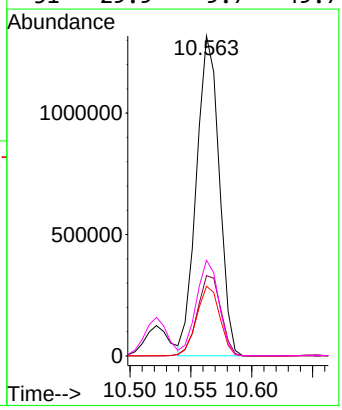


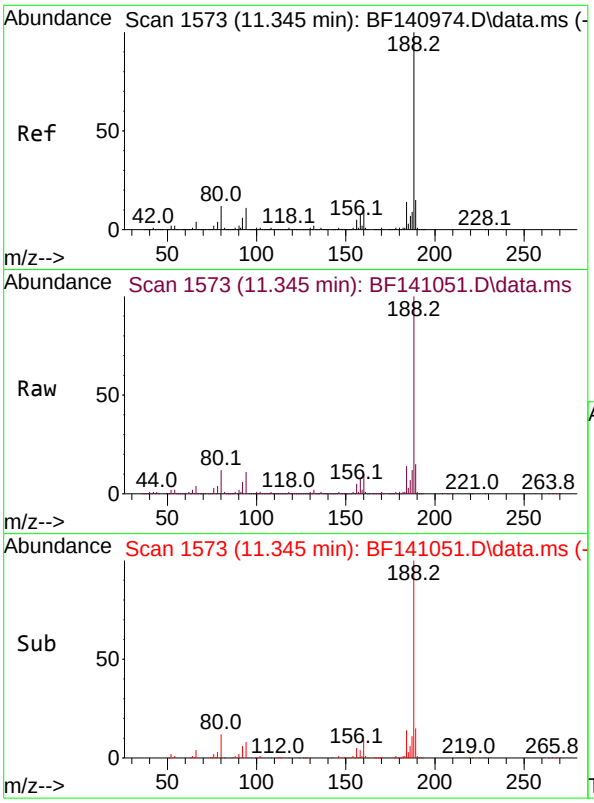


#63
Azobenzene
Concen: 49.822 ng
RT: 10.563 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 77 Resp: 1711084

Ion	Ratio	Lower	Upper
77	100		
182	25.1	4.1	44.1
105	21.8	1.8	41.8
51	29.9	9.7	49.7



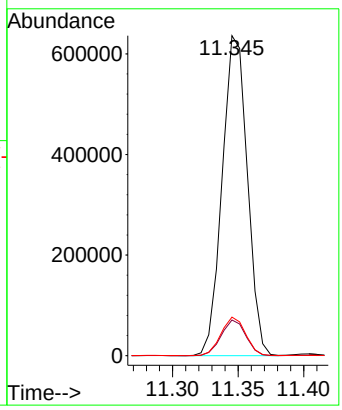


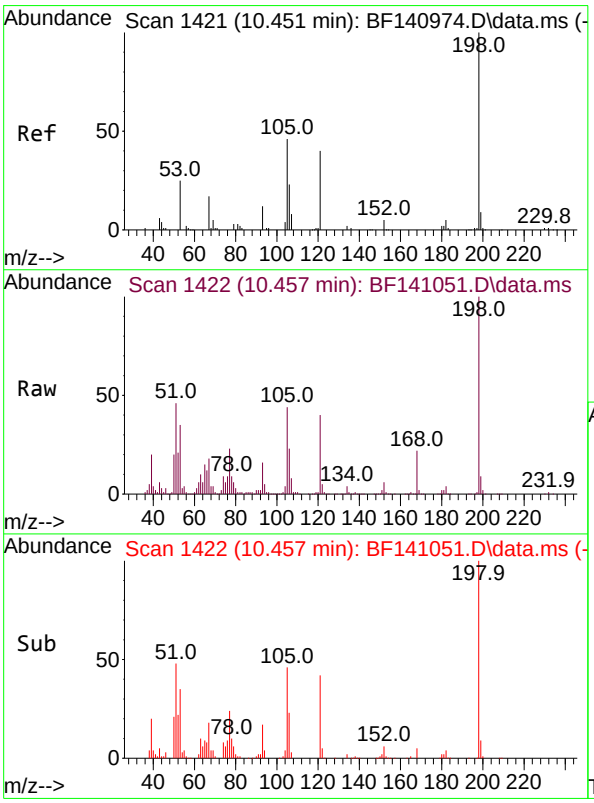
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:188 Resp: 849705

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.0	13.6
80	12.1	9.8	14.6

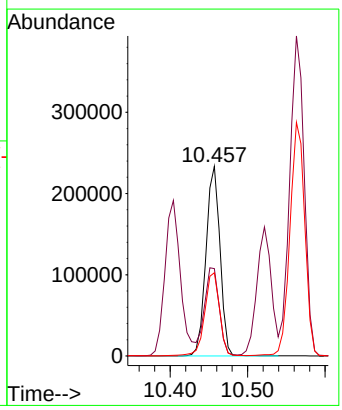


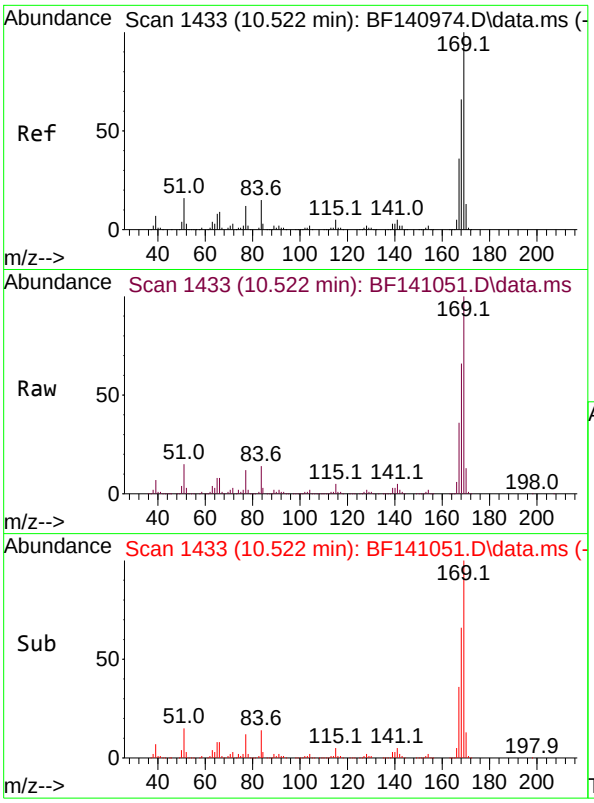


#65
4,6-Dinitro-2-methylphenol
Concen: 79.159 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:198 Resp: 293693

Ion	Ratio	Lower	Upper
198	100		
51	46.0	32.3	72.3
105	43.9	28.4	68.4



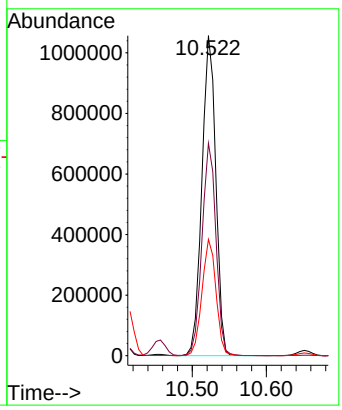


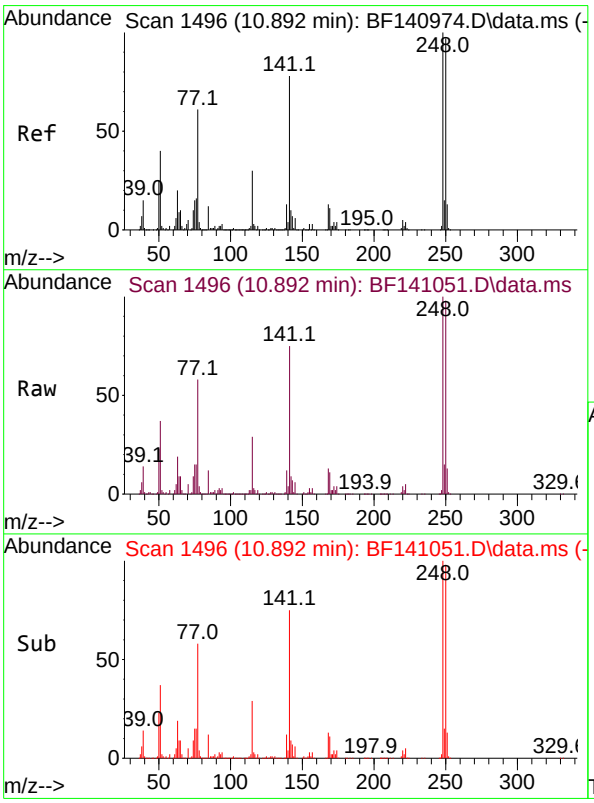
#66
n-Nitrosodiphenylamine
Concen: 51.370 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:169 Resp: 1374523

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.6	79.0
167	36.3	29.0	43.4

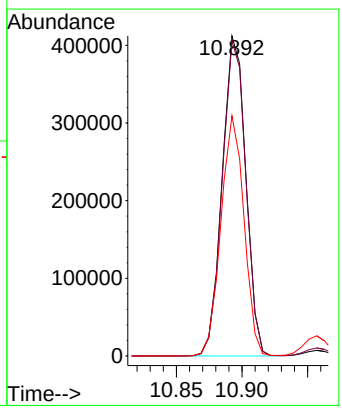


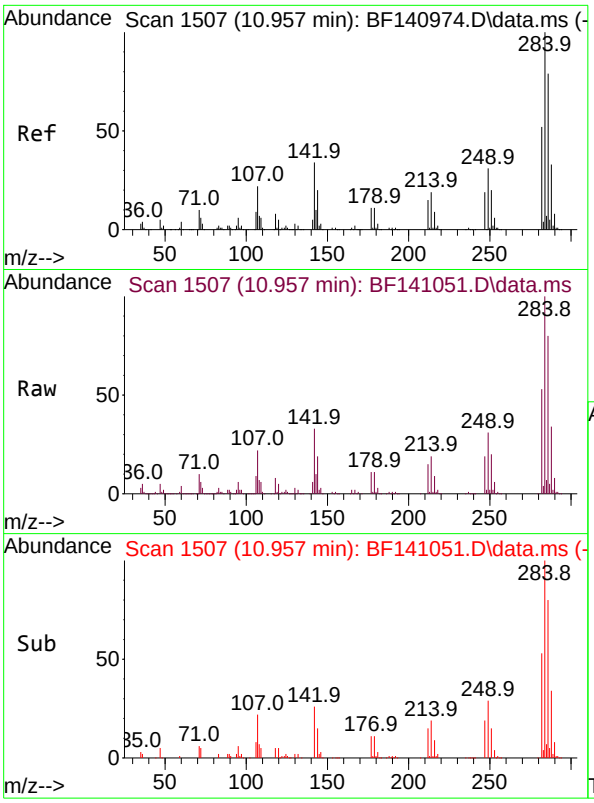


#67
4-Bromophenyl-phenylether
Concen: 56.097 ng
RT: 10.892 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:248 Resp: 515279

Ion	Ratio	Lower	Upper
248	100		
250	98.5	77.7	116.5
141	75.0	62.1	93.1



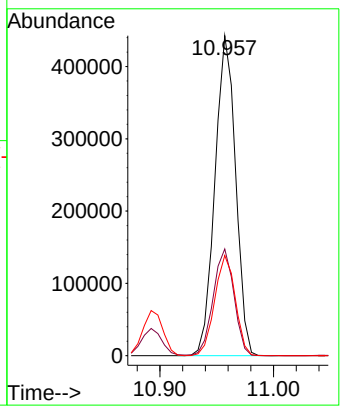


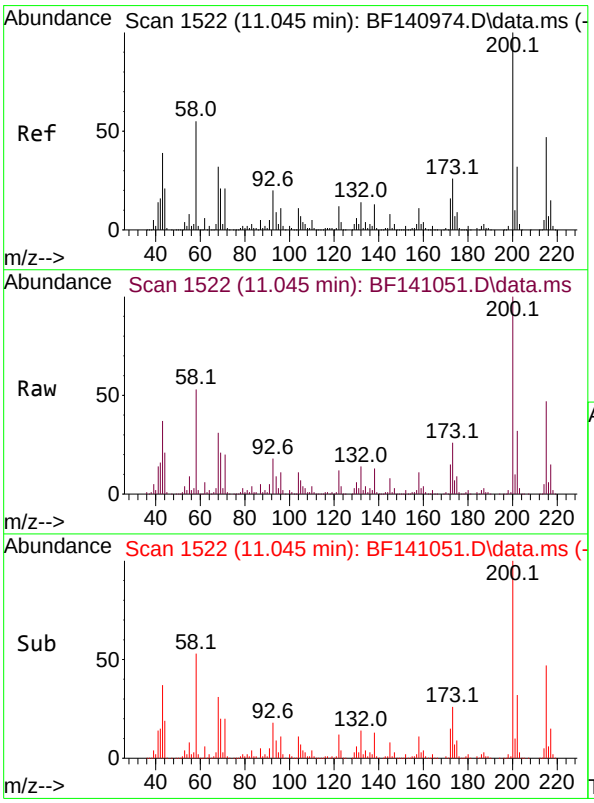
#68
Hexachlorobenzene
Concen: 55.296 ng
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:284 Resp: 560058

Ion	Ratio	Lower	Upper
284	100		
142	33.4	27.1	40.7
249	31.3	25.1	37.7

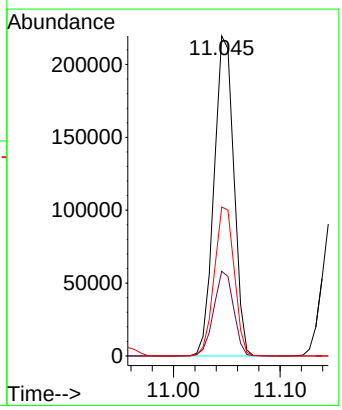


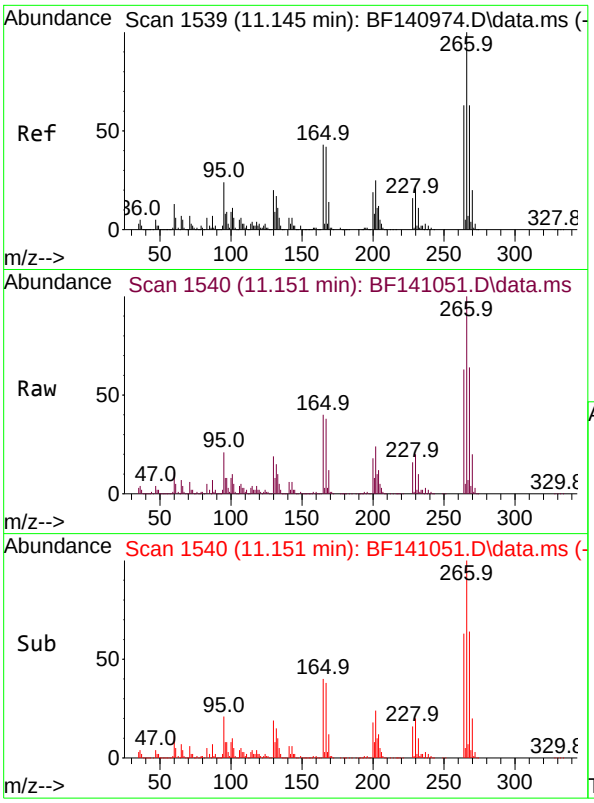


#69
Atrazine
Concen: 37.888 ng
RT: 11.045 min Scan# 1522
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:200 Resp: 283213

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.4	46.4
215	46.5	27.2	67.2



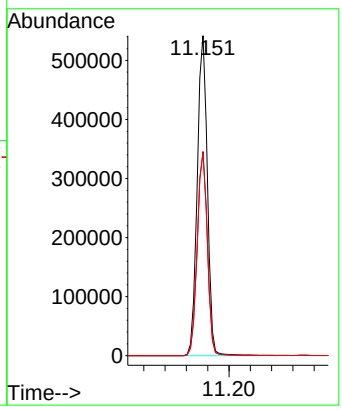


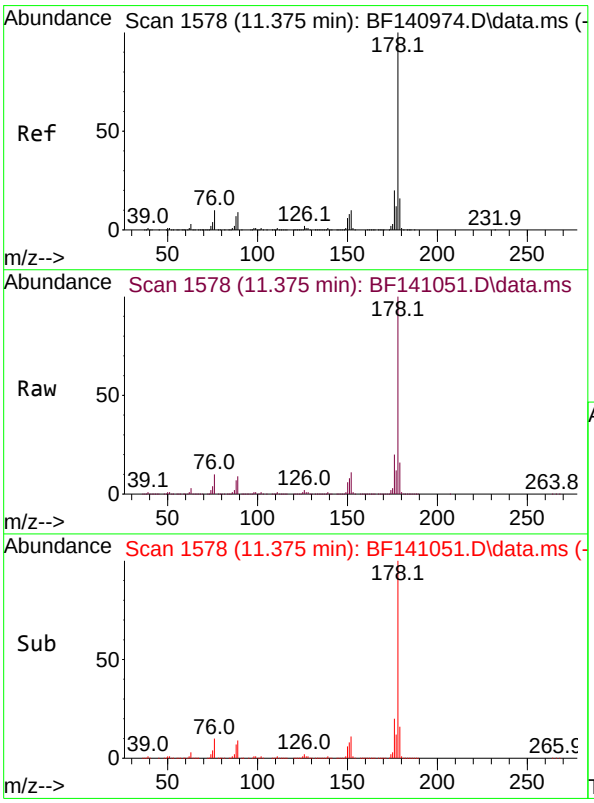
#70
Pentachlorophenol
Concen: 113.255 ng
RT: 11.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:266 Resp: 714191

Ion	Ratio	Lower	Upper
266	100		
268	63.8	50.5	75.7
264	63.4	50.2	75.4

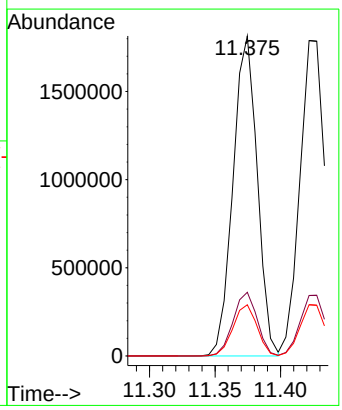


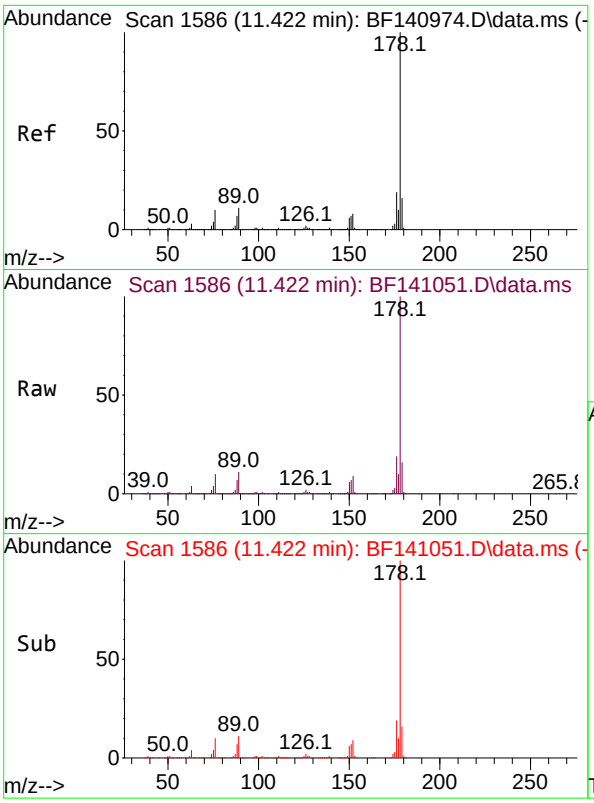


#71
Phenanthrene
Concen: 52.122 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:178 Resp: 2330937

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.6
179	16.0	12.6	19.0



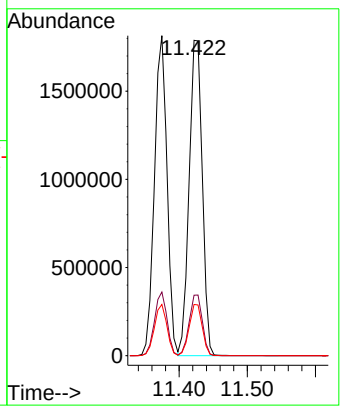


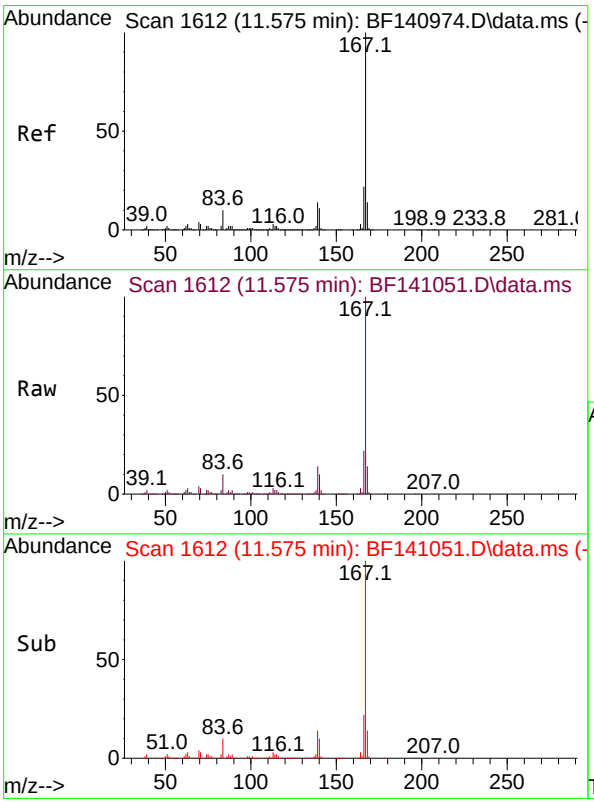
#72
Anthracene
Concen: 54.370 ng
RT: 11.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:178 Resp: 2382528

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	16.2	12.9	19.3

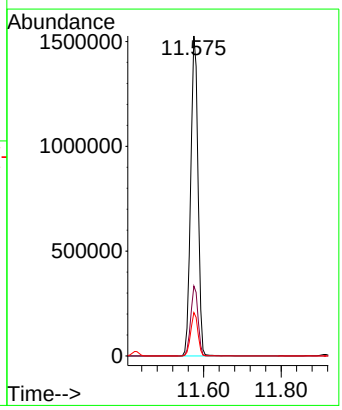


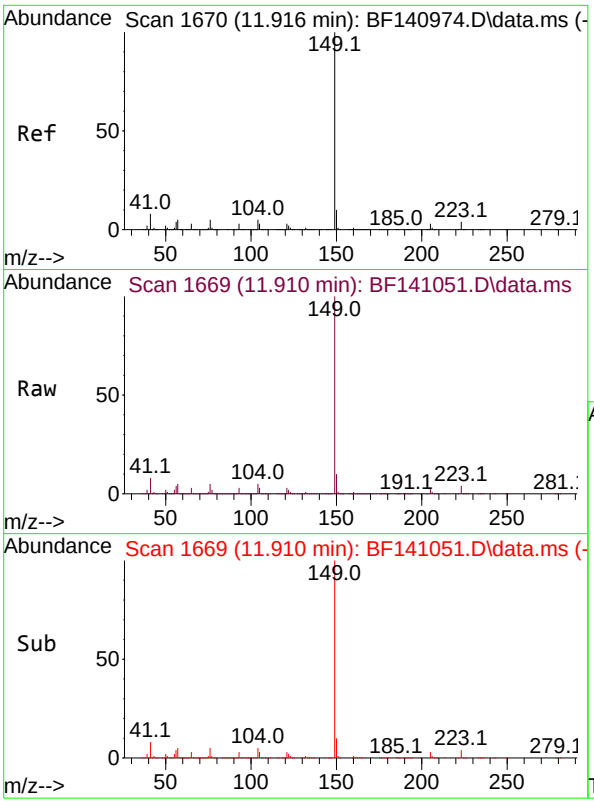


#73
Carbazole
Concen: 47.426 ng
RT: 11.575 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:167 Resp: 1997834

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.6	11.0	16.4



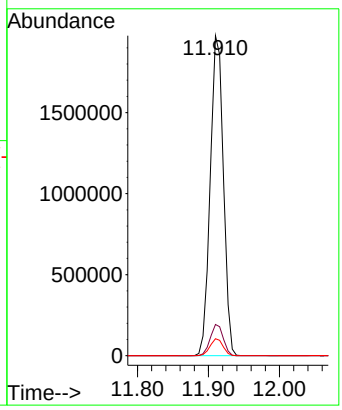


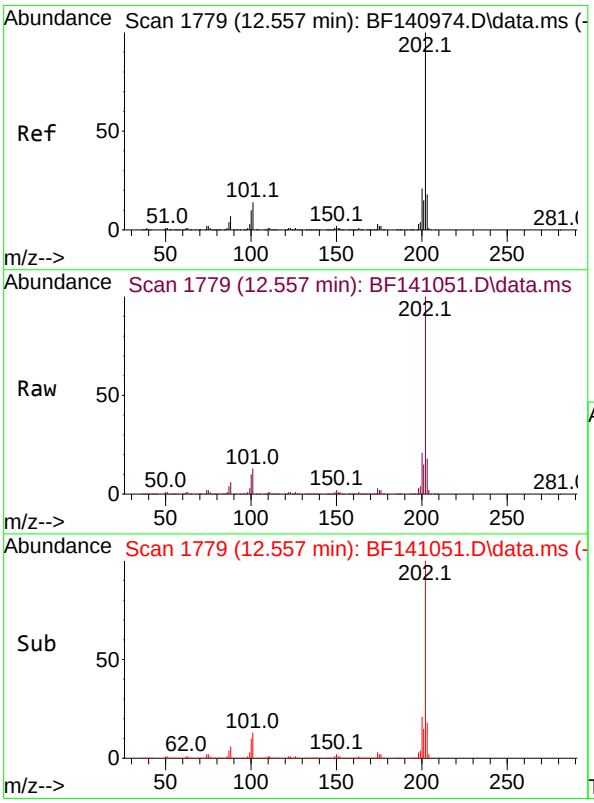
#74
Di-n-butylphthalate
Concen: 53.036 ng
RT: 11.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:149 Resp: 2541145

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.7	11.5
104	5.3	4.1	6.1

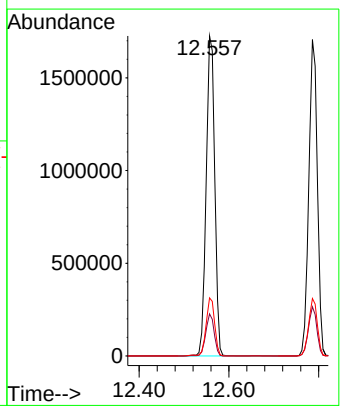


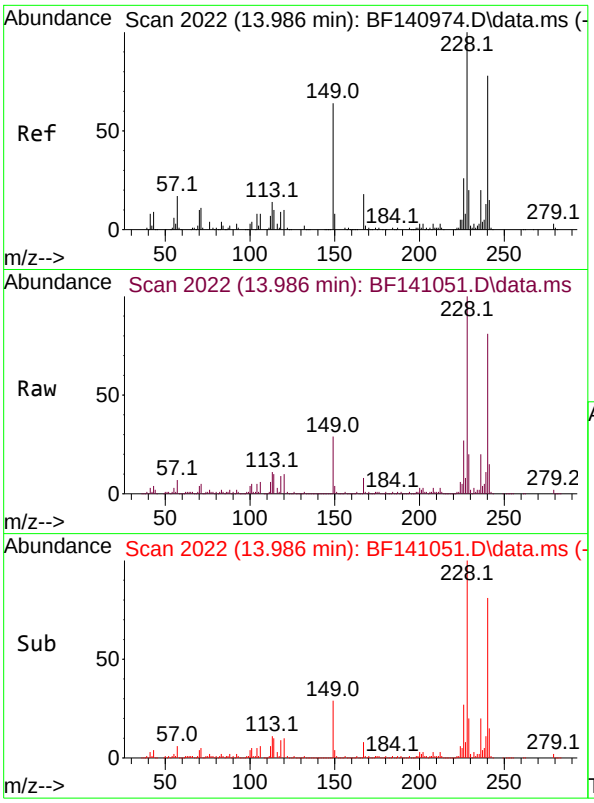


#75
Fluoranthene
Concen: 47.056 ng
RT: 12.557 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:202 Resp: 2282314

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.7
203	18.2	0.0	38.1



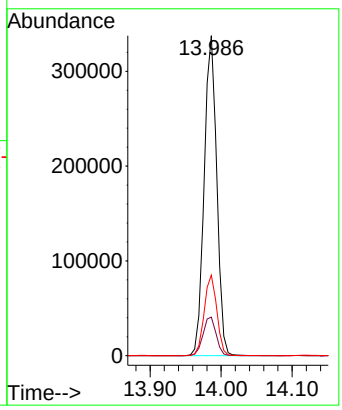


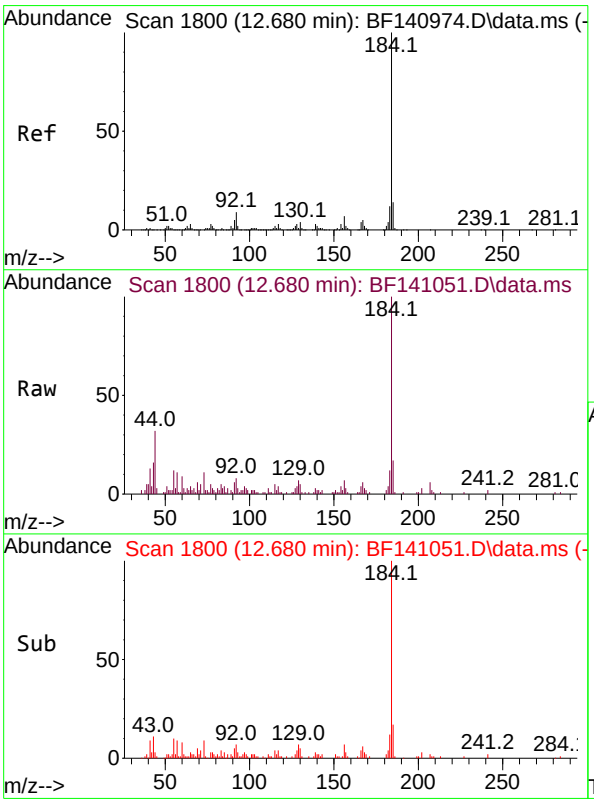
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:240 Resp: 416215

Ion	Ratio	Lower	Upper
240	100		
120	12.0	10.7	16.1
236	25.2	20.6	31.0

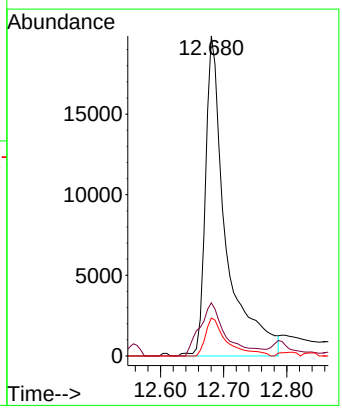


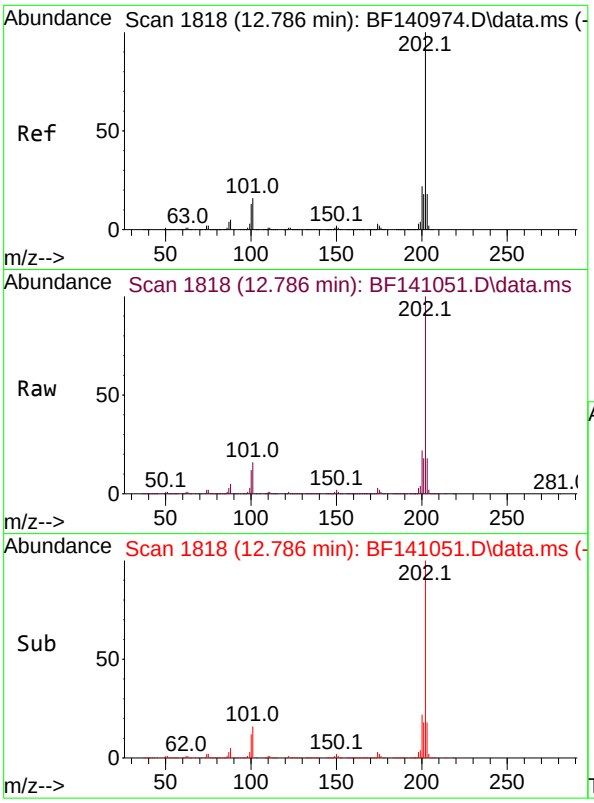


#77
Benzidine
Concen: 5.097 ng
RT: 12.680 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:184 Resp: 44837

Ion	Ratio	Lower	Upper
184	100		
185	16.6	11.4	17.2
183	11.9	9.4	14.0



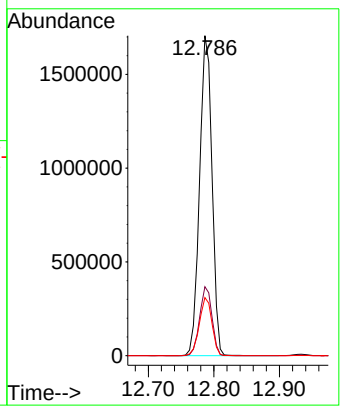


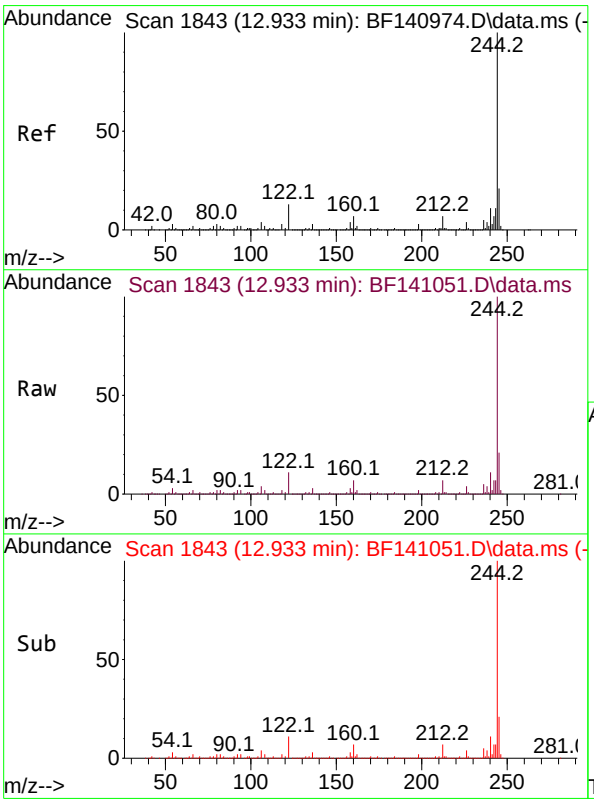
#78
Pyrene
Concen: 61.908 ng
RT: 12.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:202 Resp: 2253520

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9
203	18.2	14.6	21.8

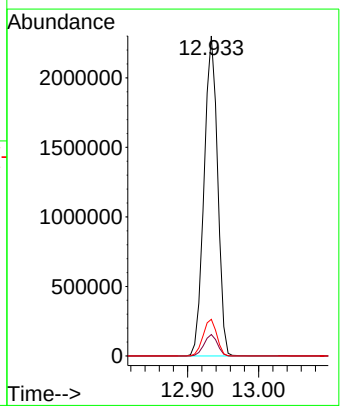


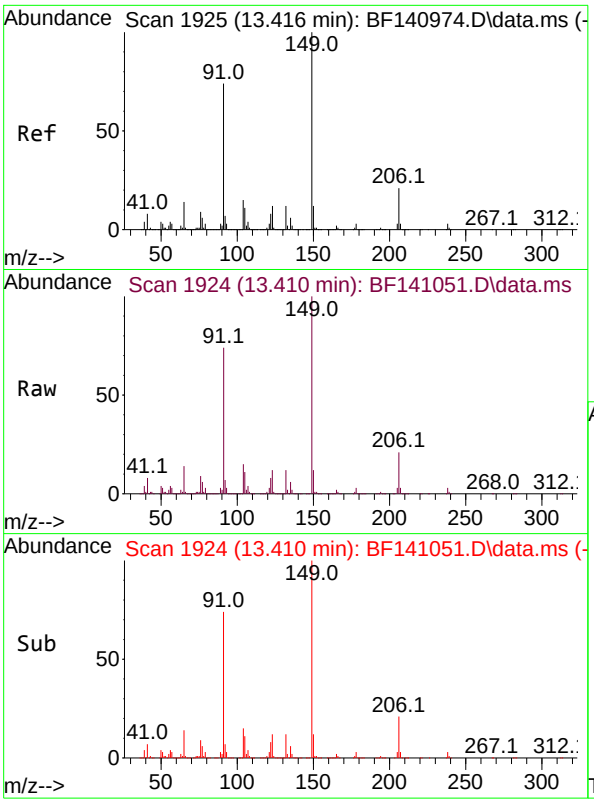


#79
Terphenyl-d14
Concen: 121.819 ng
RT: 12.933 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:244 Resp: 3052555

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	11.4	10.2	15.2



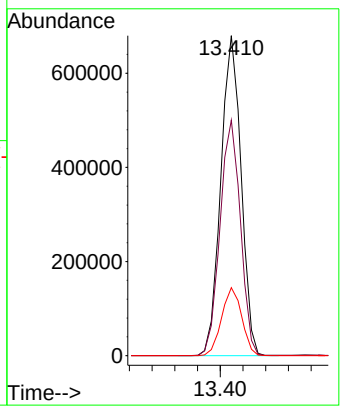


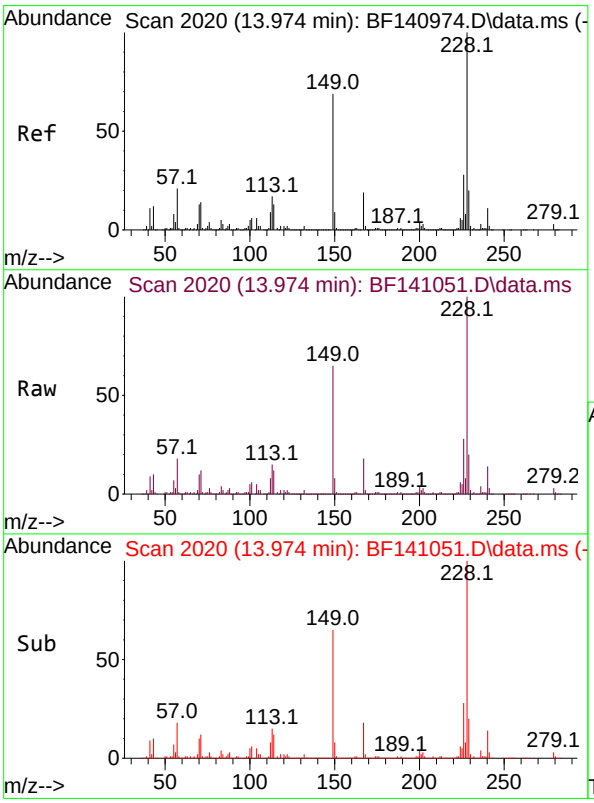
#80
Butylbenzylphthalate
Concen: 63.410 ng
RT: 13.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:149 Resp: 842846

Ion	Ratio	Lower	Upper
149	100		
91	73.6	59.5	89.3
206	21.3	17.1	25.7

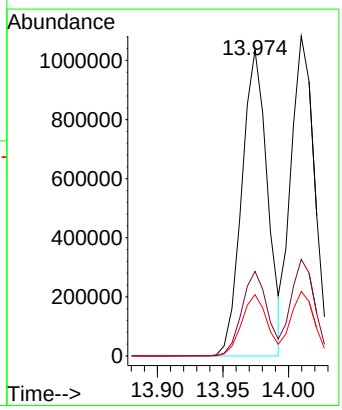


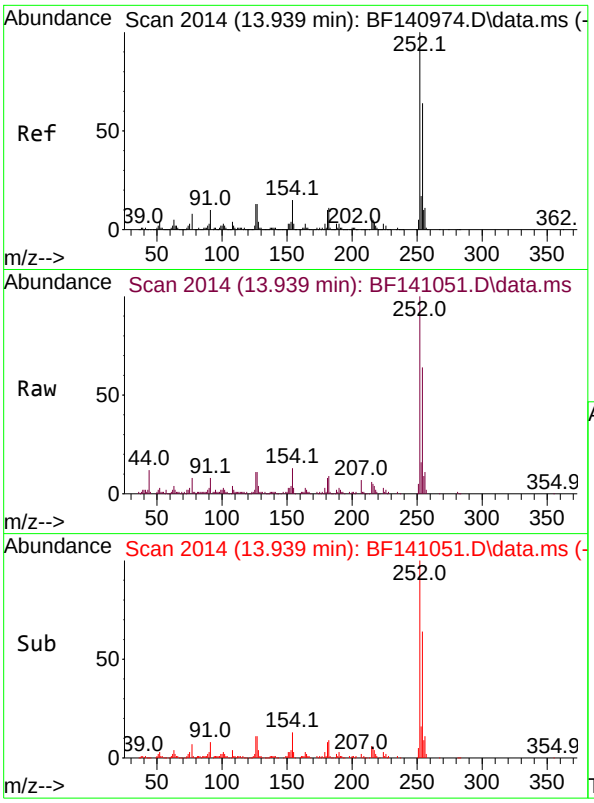


#81
Benzo(a)anthracene
Concen: 48.523 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:228 Resp: 1407543

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	20.0	16.2	24.2



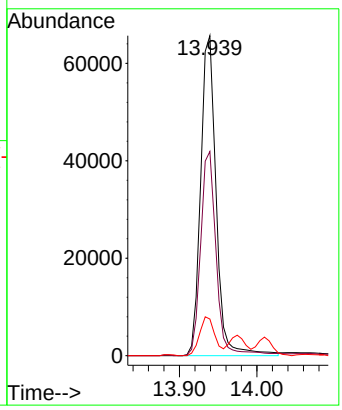


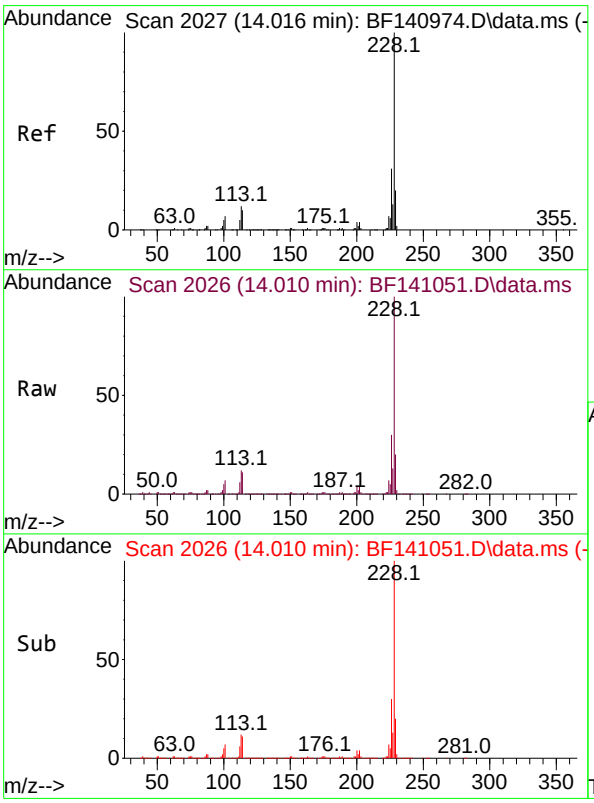
#82
3,3'-Dichlorobenzidine
Concen: 10.498 ng
RT: 13.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:252 Resp: 91490

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.5	77.3
126	11.5	10.3	15.5

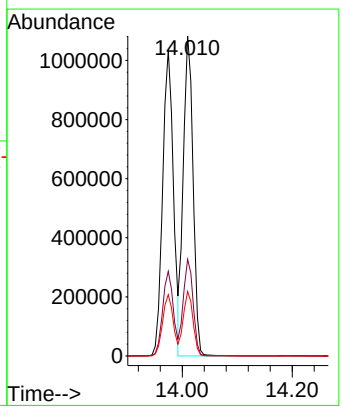


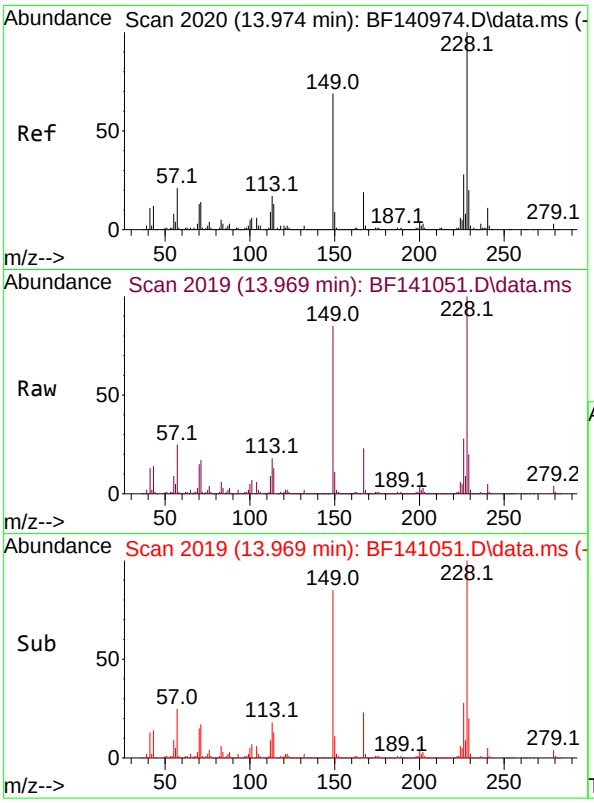


#83
Chrysene
Concen: 51.388 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:228 Resp: 1343766

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.5	36.7
229	20.1	16.2	24.4



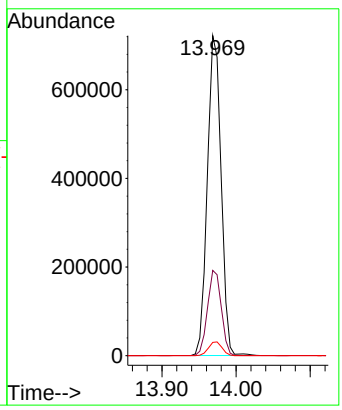


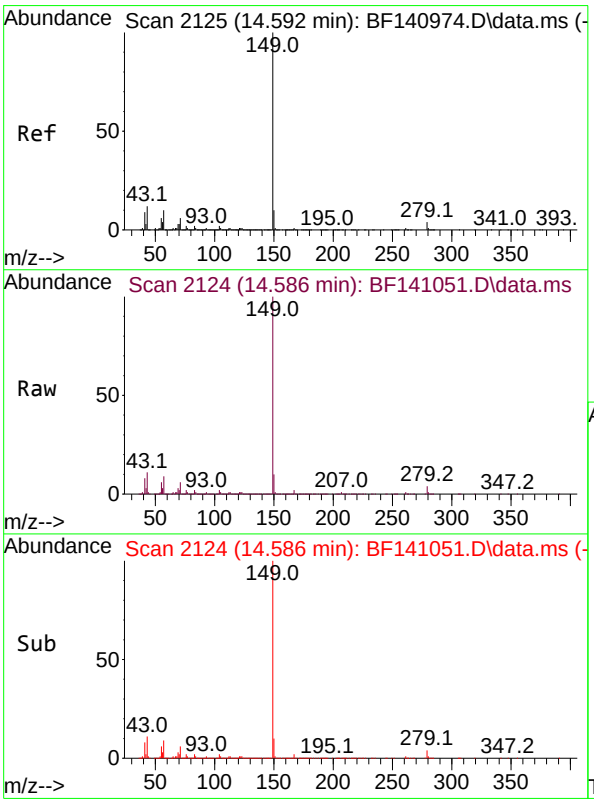
#84
Bis(2-ethylhexyl)phthalate
Concen: 54.023 ng
RT: 13.969 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:149 Resp: 931448

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.6	32.4
279	4.1	3.2	4.8

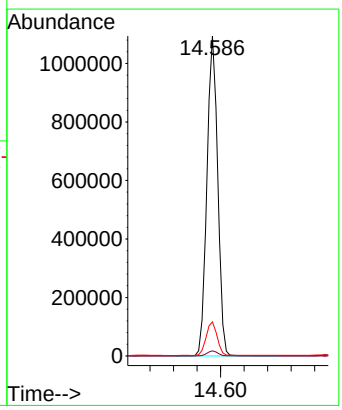


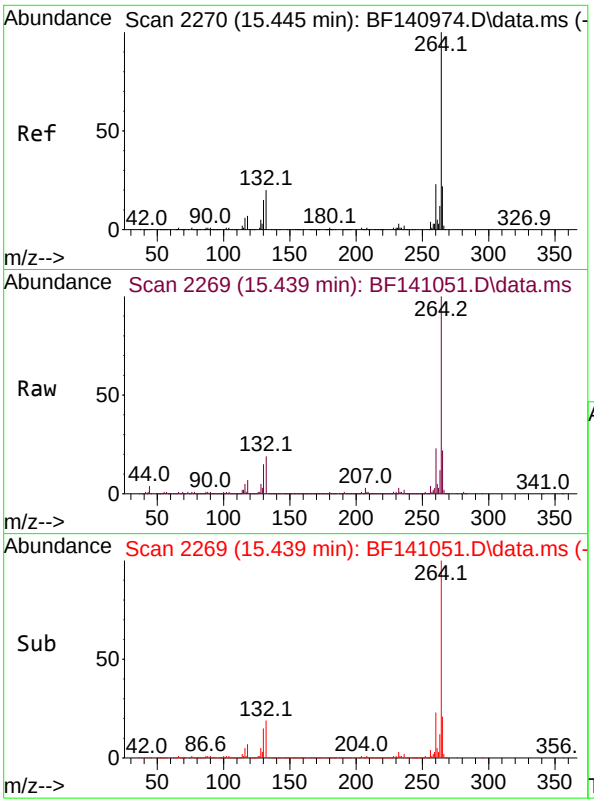


#85
Di-n-octyl phthalate
Concen: 55.553 ng
RT: 14.586 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:149 Resp: 1386309

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	10.6	9.3	13.9



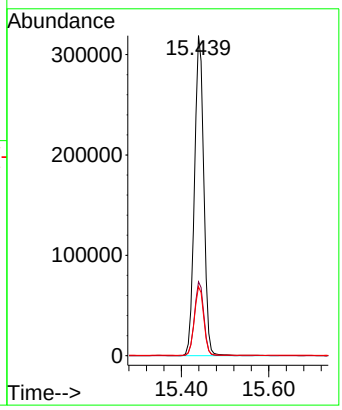


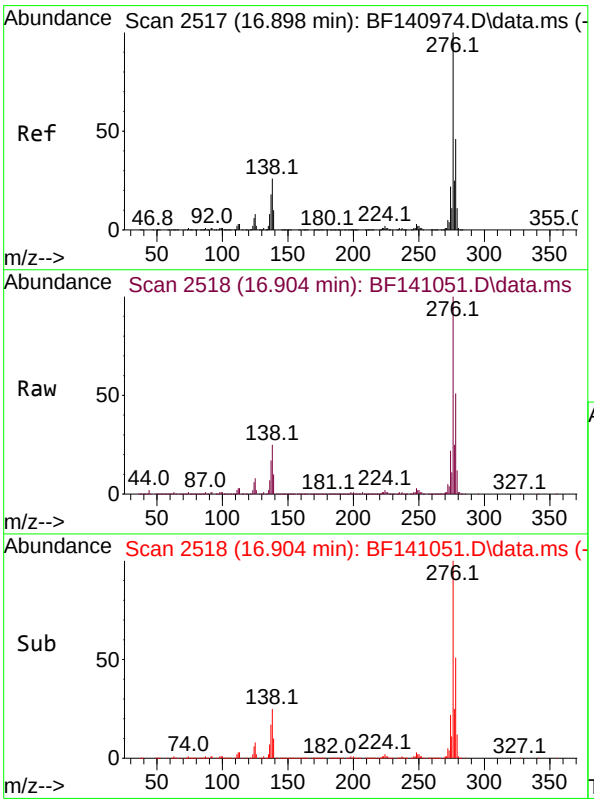
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:264 Resp: 472841

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.6	17.4	26.2

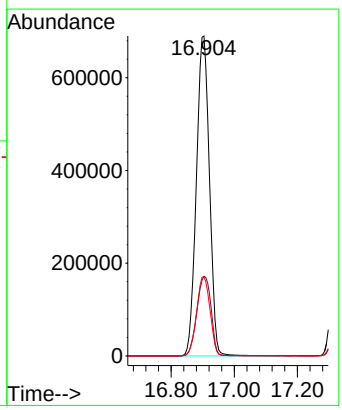


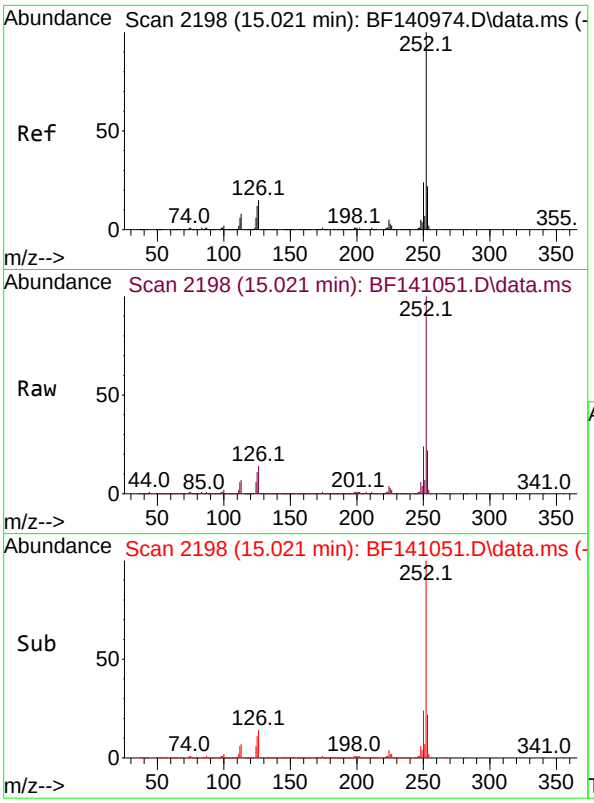


#87
Indeno(1,2,3-cd)pyrene
Concen: 66.588 ng
RT: 16.904 min Scan# 2518
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:276 Resp: 1983646

Ion	Ratio	Lower	Upper
276	100		
138	26.8	23.1	34.7
277	25.6	20.4	30.6



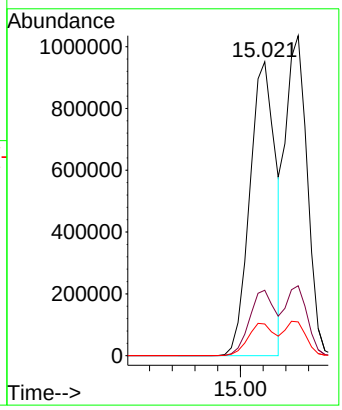


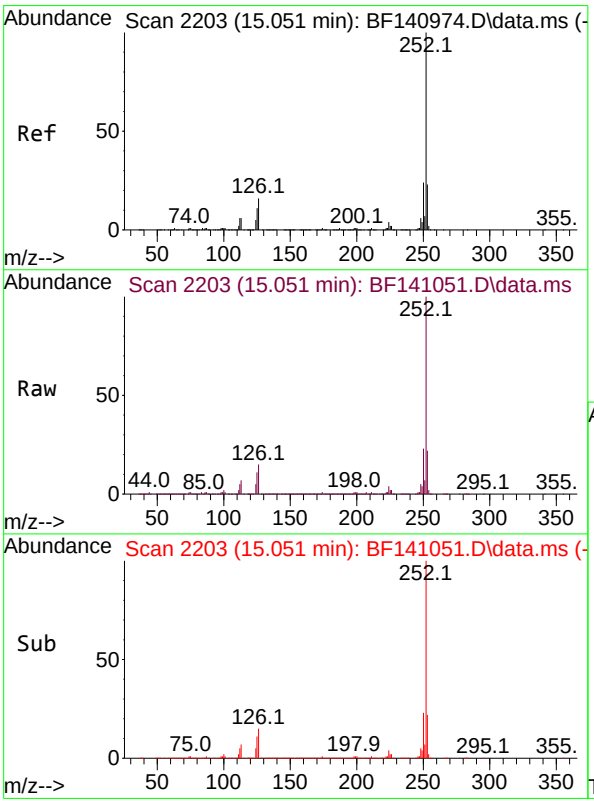
#88
Benzo(b)fluoranthene
Concen: 45.230 ng
RT: 15.021 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:252 Resp: 1491587

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	10.8	9.3	13.9

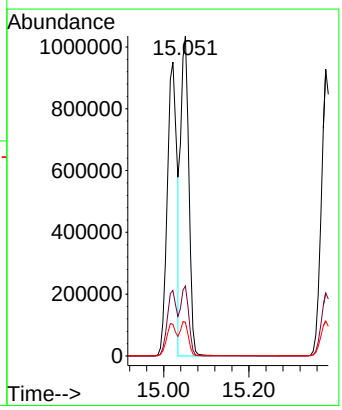


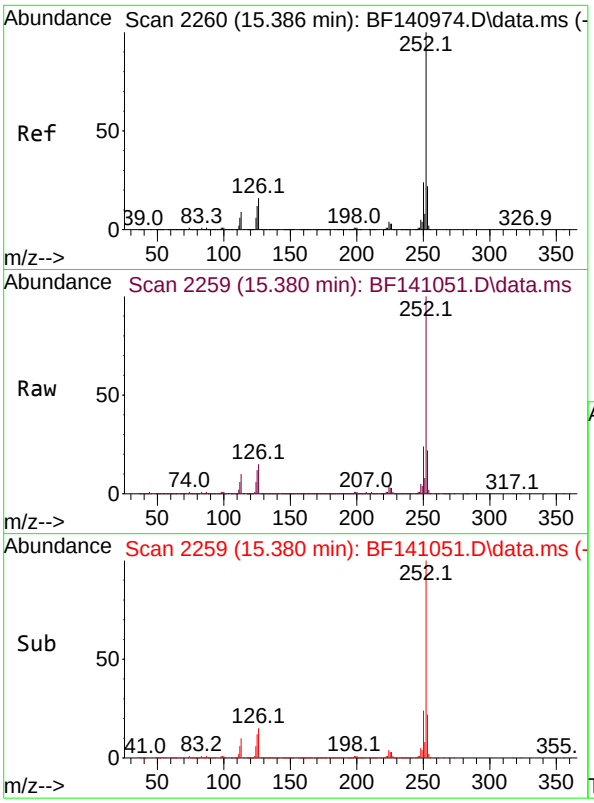


#89
Benzo(k)fluoranthene
Concen: 53.198 ng
RT: 15.051 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:252 Resp: 1375012

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	10.5	9.4	14.0



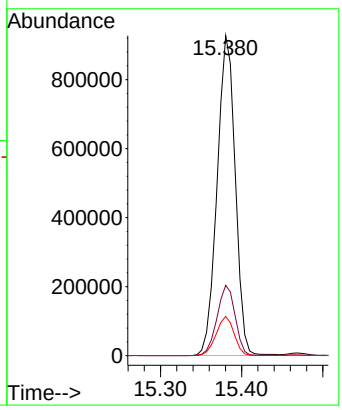


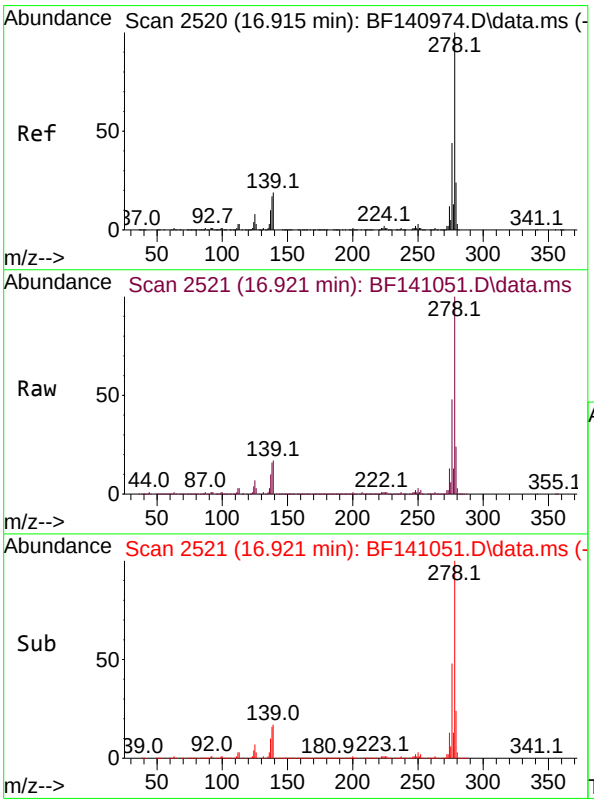
#90
Benzo(a)pyrene
Concen: 56.315 ng
RT: 15.380 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:252 Resp: 1441471

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	12.2	9.8	14.8

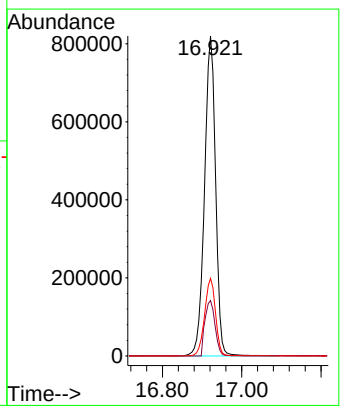


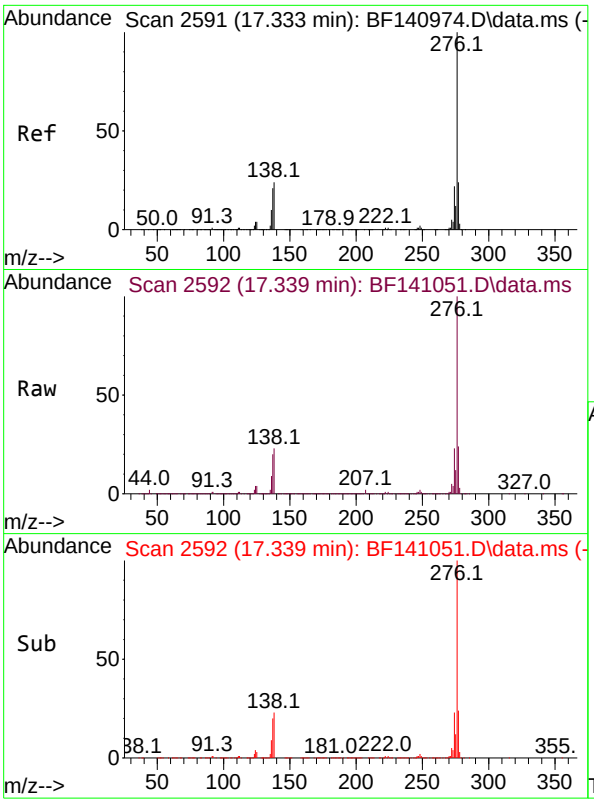


#91
Dibenzo(a,h)anthracene
Concen: 65.995 ng
RT: 16.921 min Scan# 2521
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:278 Resp: 1593652

Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.9	22.3
279	24.3	19.0	28.6



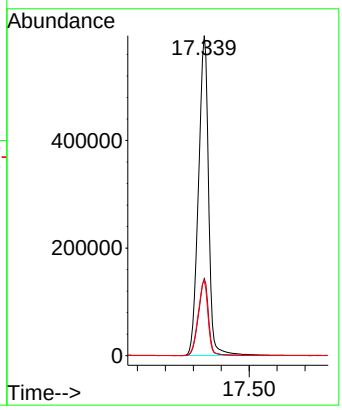


#92
Benzo(g,h,i)perylene
Concen: 59.450 ng
RT: 17.339 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:276 Resp: 1488983

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	23.4	19.4	29.2



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Manual Integration Report

Sequence:	BF122624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BF140974.D	Aniline	yogesh	12/27/2024 3:54:51 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICCC040	BF140974.D	Caprolactam	yogesh	12/27/2024 3:54:51 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC050	BF140975.D	Aniline	yogesh	12/27/2024 3:54:52 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC050	BF140975.D	Caprolactam	yogesh	12/27/2024 3:54:52 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC060	BF140976.D	Aniline	yogesh	12/27/2024 3:54:54 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC080	BF140977.D	Aniline	yogesh	12/27/2024 3:54:55 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC080	BF140977.D	bis(2-Chloroethyl)ether	yogesh	12/27/2024 3:54:55 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICV040	BF140978.D	Caprolactam	yogesh	12/27/2024 3:54:57 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF123024	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB165894BS	BF141021.D	Caprolactam	Jagrut	12/31/2024 4:33:49 PM	mohammad	1/1/2025 7:15:14 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF123124	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P5362-02MS	BF141050.D	Caprolactam	Jagrut	12/31/2024 4:33:07 PM	mohammad	1/3/2025 12:31:08 AM	Peak Integrated by Software
P5362-02MSD	BF141051.D	Caprolactam	Jagrut	12/31/2024 4:33:09 PM	mohammad	1/3/2025 12:31:08 AM	Peak Integrated by Software
SSTDCCC040	BF141056.D	Caprolactam	Jagrut	1/2/2025 10:25:59 AM	mohammad	1/3/2025 12:31:08 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122624

Review By	yogesh	Review On	12/27/2024 4:07:20 AM				
Supervise By	mohammad	Supervise On	12/27/2024 4:13:24 AM				
SubDirectory	BF122624	HP Acquire Method	BNA_F		HP Processing Method	bf122624	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140969.D	26 Dec 2024 15:57	RC/JU	Ok
2	SSTDICC2.5	BF140970.D	26 Dec 2024 16:23	RC/JU	Ok
3	SSTDICC005	BF140971.D	26 Dec 2024 16:49	RC/JU	Ok
4	SSTDICC010	BF140972.D	26 Dec 2024 17:15	RC/JU	Ok
5	SSTDICC020	BF140973.D	26 Dec 2024 17:41	RC/JU	Ok
6	SSTDICCC040	BF140974.D	26 Dec 2024 18:06	RC/JU	Ok,M
7	SSTDICC050	BF140975.D	26 Dec 2024 18:33	RC/JU	Ok,M
8	SSTDICC060	BF140976.D	26 Dec 2024 18:59	RC/JU	Ok,M
9	SSTDICC080	BF140977.D	26 Dec 2024 19:25	RC/JU	Ok,M
10	SSTDICV040	BF140978.D	26 Dec 2024 19:52	RC/JU	Ok,M
11	PB165543BL	BF140979.D	26 Dec 2024 20:18	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF123024

Review By	Jagrut	Review On	12/31/2024 4:34:29 PM				
Supervise By	mohammad	Supervise On	1/1/2025 7:15:14 AM				
SubDirectory	BF123024	HP Acquire Method	BNA_F		HP Processing Method	bf122624	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141018.D	30 Dec 2024 08:58	RC/JU	Ok
2	SSTDCCC040	BF141019.D	30 Dec 2024 09:24	RC/JU	Ok
3	PB165894BL	BF141020.D	30 Dec 2024 09:50	RC/JU	Ok
4	PB165894BS	BF141021.D	30 Dec 2024 10:17	RC/JU	Ok,M
5	PB165858TB	BF141022.D	30 Dec 2024 10:43	RC/JU	Ok
6	PB165875BS	BF141023.D	30 Dec 2024 11:10	RC/JU	Ok,M
7	PB165790BL	BF141024.D	30 Dec 2024 11:36	RC/JU	Ok
8	PB165875BSD	BF141025.D	30 Dec 2024 12:03	RC/JU	Ok,M
9	PB165875BL	BF141026.D	30 Dec 2024 12:30	RC/JU	Ok
10	PB165872BS	BF141027.D	30 Dec 2024 12:56	RC/JU	Ok,M
11	P5380-02	BF141028.D	30 Dec 2024 13:29	RC/JU	Ok
12	SSTDCCC040	BF141029.D	30 Dec 2024 14:01	RC/JU	Ok
13	DFTPP	BF141030.D	30 Dec 2024 14:54	RC/JU	Ok
14	SSTDCCC040	BF141031.D	30 Dec 2024 15:20	RC/JU	Ok
15	PB165900BL	BF141032.D	30 Dec 2024 15:47	RC/JU	Ok
16	P5362-02	BF141033.D	30 Dec 2024 16:20	RC/JU	Ok
17	P5362-02MS	BF141034.D	30 Dec 2024 16:47	RC/JU	Not Ok
18	P5362-02MSD	BF141035.D	30 Dec 2024 17:13	RC/JU	Not Ok
19	P5386-02	BF141036.D	30 Dec 2024 17:39	RC/JU	Ok
20	P5386-04	BF141037.D	30 Dec 2024 18:06	RC/JU	Ok
21	P5386-05	BF141038.D	30 Dec 2024 18:32	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF123024

Review By	Jagrut	Review On	12/31/2024 4:34:29 PM				
Supervise By	mohammad	Supervise On	1/1/2025 7:15:14 AM				
SubDirectory	BF123024	HP Acquire Method	BNA_F		HP Processing Method	bf122624	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P5386-01	BF141039.D	30 Dec 2024 18:58	RC/JU	Ok
23	P5386-03	BF141040.D	30 Dec 2024 19:25	RC/JU	Ok
24	P5391-01	BF141041.D	30 Dec 2024 19:51	RC/JU	Ok,M
25	P5391-01MS	BF141042.D	30 Dec 2024 20:18	RC/JU	Ok,M
26	P5391-01MSD	BF141043.D	30 Dec 2024 20:44	RC/JU	Ok,M
27	P5390-01	BF141044.D	30 Dec 2024 21:11	RC/JU	Ok,M
28	P5318-01	BF141045.D	30 Dec 2024 21:37	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF123124

Review By	Jagrut	Review On	12/31/2024 4:33:25 PM				
Supervise By	mohammad	Supervise On	1/3/2025 12:31:08 AM				
SubDirectory	BF123124	HP Acquire Method	BNA_F		HP Processing Method	bf122624	

STD. NAME	STD REF.#
Tune/Reschk	SP6701
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141046.D	31 Dec 2024 09:24	RC/JU	Ok
2	SSTDCCC040	BF141047.D	31 Dec 2024 09:50	RC/JU	Ok
3	PB165790BL	BF141048.D	31 Dec 2024 10:17	RC/JU	Ok
4	PB165900BS	BF141049.D	31 Dec 2024 10:44	RC/JU	Not Ok
5	P5362-02MS	BF141050.D	31 Dec 2024 11:23	RC/JU	Ok,M
6	P5362-02MSD	BF141051.D	31 Dec 2024 11:49	RC/JU	Ok,M
7	P5398-03	BF141052.D	31 Dec 2024 12:16	RC/JU	Ok
8	P5398-01	BF141053.D	31 Dec 2024 12:42	RC/JU	Ok,M
9	P5398-01MS	BF141054.D	31 Dec 2024 13:09	RC/JU	Ok,M
10	P5398-01MSD	BF141055.D	31 Dec 2024 13:35	RC/JU	Ok,M
11	SSTDCCC040	BF141056.D	31 Dec 2024 14:18	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122624

Review By	yogesh	Review On	12/27/2024 4:07:20 AM		
Supervise By	mohammad	Supervise On	12/27/2024 4:13:24 AM		
SubDirectory	BF122624	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/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	BF140969.D	26 Dec 2024 15:57		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140970.D	26 Dec 2024 16:23		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140971.D	26 Dec 2024 16:49	Compound #9,54,56,65 removed from 5ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF140972.D	26 Dec 2024 17:15		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF140973.D	26 Dec 2024 17:41	Compound #9,26,32,48,51,53,57,62,65 Kept on LR and Compound #54 Kept on QR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF140974.D	26 Dec 2024 18:06	The Calibration is Good For 8270 DOD Except Com#56 and good for 625.1 Method	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF140975.D	26 Dec 2024 18:33		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF140976.D	26 Dec 2024 18:59		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF140977.D	26 Dec 2024 19:25	Compound #9,69 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF122624	BF140978.D	26 Dec 2024 19:52	ICV Fail for Com#56 for DOD	RC/JU	Ok,M
11	PB165543BL	PB165543BL	BF140979.D	26 Dec 2024 20:18		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF123024

Review By	Jagrut	Review On	12/31/2024 4:34:29 PM		
Supervise By	mohammad	Supervise On	1/1/2025 7:15:14 AM		
SubDirectory	BF123024	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/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	BF141018.D	30 Dec 2024 08:58		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141019.D	30 Dec 2024 09:24		RC/JU	Ok
3	PB165894BL	PB165894BL	BF141020.D	30 Dec 2024 09:50		RC/JU	Ok
4	PB165894BS	PB165894BS	BF141021.D	30 Dec 2024 10:17		RC/JU	Ok,M
5	PB165858TB	PB165858TB	BF141022.D	30 Dec 2024 10:43		RC/JU	Ok
6	PB165875BS	PB165875BS	BF141023.D	30 Dec 2024 11:10		RC/JU	Ok,M
7	PB165790BL	PB165790BL	BF141024.D	30 Dec 2024 11:36		RC/JU	Ok
8	PB165875BSD	PB165875BSD	BF141025.D	30 Dec 2024 12:03		RC/JU	Ok,M
9	PB165875BL	PB165875BL	BF141026.D	30 Dec 2024 12:30		RC/JU	Ok
10	PB165872BS	PB165872BS	BF141027.D	30 Dec 2024 12:56		RC/JU	Ok,M
11	P5380-02	TAPIAL3-IDW-SOIL-12	BF141028.D	30 Dec 2024 13:29		RC/JU	Ok
12	SSTDCCC040	SSTDCCC040EC	BF141029.D	30 Dec 2024 14:01		RC/JU	Ok
13	DFTPP	DFTPP	BF141030.D	30 Dec 2024 14:54		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141031.D	30 Dec 2024 15:20		RC/JU	Ok
15	PB165900BL	PB165900BL	BF141032.D	30 Dec 2024 15:47		RC/JU	Ok
16	P5362-02	WC-SOIL-20241219	BF141033.D	30 Dec 2024 16:20		RC/JU	Ok
17	P5362-02MS	WC-SOIL-20241219MS	BF141034.D	30 Dec 2024 16:47	END CCC Missing	RC/JU	Not Ok
18	P5362-02MSD	WC-SOIL-20241219MS	BF141035.D	30 Dec 2024 17:13	END CCC Missing	RC/JU	Not Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF123024

Review By	Jagrut	Review On	12/31/2024 4:34:29 PM		
Supervise By	mohammad	Supervise On	1/1/2025 7:15:14 AM		
SubDirectory	BF123024	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5386-02	MOO-24-00398	BF141036.D	30 Dec 2024 17:39		RC/JU	Ok
20	P5386-04	MOO-24-00395-96	BF141037.D	30 Dec 2024 18:06		RC/JU	Ok
21	P5386-05	MOO-24-00397	BF141038.D	30 Dec 2024 18:32		RC/JU	Ok
22	P5386-01	MOO-24-00398	BF141039.D	30 Dec 2024 18:58	Internal Standard Fail	RC/JU	Ok
23	P5386-03	MOO-24-00395-96	BF141040.D	30 Dec 2024 19:25	Internal Standard Fail	RC/JU	Ok
24	P5391-01	NB-07-12272024	BF141041.D	30 Dec 2024 19:51		RC/JU	Ok,M
25	P5391-01MS	NB-07-12272024MS	BF141042.D	30 Dec 2024 20:18		RC/JU	Ok,M
26	P5391-01MSD	NB-07-12272024MSD	BF141043.D	30 Dec 2024 20:44		RC/JU	Ok,M
27	P5390-01	EO-01-12272024	BF141044.D	30 Dec 2024 21:11		RC/JU	Ok,M
28	P5318-01	AU-06-122024	BF141045.D	30 Dec 2024 21:37	Internal Standard Fail	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF123124

Review By	Jagrut	Review On	12/31/2024 4:33:25 PM		
Supervise By	mohammad	Supervise On	1/3/2025 12:31:08 AM		
SubDirectory	BF123124	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6701
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/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	BF141046.D	31 Dec 2024 09:24		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141047.D	31 Dec 2024 09:50		RC/JU	Ok
3	PB165790BL	PB165790BL	BF141048.D	31 Dec 2024 10:17		RC/JU	Ok
4	PB165900BS	PB165900BS	BF141049.D	31 Dec 2024 10:44	Surrogate Fail, Recovery Fail High For Many Compound	RC/JU	Not Ok
5	P5362-02MS	WC-SOIL-20241219MS	BF141050.D	31 Dec 2024 11:23		RC/JU	Ok,M
6	P5362-02MSD	WC-SOIL-20241219MS	BF141051.D	31 Dec 2024 11:49		RC/JU	Ok,M
7	P5398-03	352	BF141052.D	31 Dec 2024 12:16		RC/JU	Ok
8	P5398-01	341-349	BF141053.D	31 Dec 2024 12:42		RC/JU	Ok,M
9	P5398-01MS	341-349MS	BF141054.D	31 Dec 2024 13:09		RC/JU	Ok,M
10	P5398-01MSD	341-349MSD	BF141055.D	31 Dec 2024 13:35		RC/JU	Ok,M
11	SSTDCCC040	SSTDCCC040EC	BF141056.D	31 Dec 2024 14:18		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165858

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 114771

Start Prep Date : 12/26/2024 **Time :** 16:00

End Prep Date : 12/27/2024 **Time :** 10:15

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 22 °C

Final Room Temperature: 21 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110801
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP83122

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Tumbler T-1 checked,30 rpm. p5386-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/27/24 10:00	JP Cell Room	Stg. 1 EXT
10:30	**Preparation Group**	**Analysis Group** MEP 1/4

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165858

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P5342-08	CHRT26634	01	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
P5342-09	HT2651	02	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
P5362-02	WC-SOIL-20241219	03	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	04	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
P5386-02	MOO-24-00398	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
P5386-04	MOO-24-00395-96	06	100.01	2000	N/A	N/A	N/A	4.5	1.5	T-1
PB165858TB	LEB858	07	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P5342-08	CHRT26634	N/A	N/A	N/A	N/A	100	N/A
P5342-09	HT2651	N/A	N/A	N/A	N/A	100	N/A
P5362-02	WC-SOIL-20241219	N/A	N/A	N/A	N/A	100	N/A
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	N/A	N/A	N/A	N/A	100	N/A
P5386-02	MOO-24-00398	N/A	N/A	N/A	N/A	100	N/A
P5386-04	MOO-24-00395-96	N/A	N/A	N/A	N/A	100	N/A
PB165858TB	LEB858	N/A	N/A	N/A	N/A	N/A	N/A

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TCLP Fluid Determination

PB165858

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P5342-08	CHRT26634	5.02	96.5	6.6	2.5	#1	4.93
P5342-09	HT2651	5.03	96.5	6.2	2.5	#1	4.93
P5362-02	WC-SOIL-20241219	5.02	96.5	7.6	3.0	#1	4.93
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	5.01	96.5	10.5	4.0	#1	4.93
P5386-02	MOO-24-00398	5.02	96.5	6.8	2.5	#1	4.93
P5386-04	MOO-24-00395-96	5.00	96.5	7.0	2.5	#1	4.93
PB165858TB	LEB858	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp p5380 **WorkList ID :** 186583 **Department :** TCLP Extraction **Date :** 12-26-2024 07:38:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5342-08	CHRT26634	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N12	12/18/2024	1311
P5342-09	HT2651	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N12	12/18/2024	1311
P5362-02	WC-SOIL-20241219	Solid	TCLP Extraction	Cool 4 deg C	PARS02	N21	12/19/2024	1311
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	Solid	TCLP Extraction	Cool 4 deg C	WEST04	N31	12/20/2024	1311
P5386-02	MOO-24-00398	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	12/26/2024	1311
P5386-04	MOO-24-00395-96	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	N31	12/26/2024	1311

Date/Time 12/26/24 15:30
Raw Sample Received by: JB WDC,
Raw Sample Relinquished by: JM/SM/

Date/Time 12/26/24 17:30
Raw Sample Received by: JM/SM/
Raw Sample Relinquished by: JB WDC,

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EXTRACTION LOGPAGE

PB165894

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	12/27/2024
Matrix :	Water			**Extraction Start Time :**	10:25
Weigh By:	N/A	**Extraction By:**	RJ	**Extraction End Date :**	12/27/2024
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	15:25
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3574	**Hood ID:**	4,6,7	**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	SP6681
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	e3848
Baked Na2SO4	N/A	EP2573
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. pH Adjusted <2 with 1:1 H2SO4 & >11 with 10N NaOH.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12127/24	RP (Ext lab)	AC/SVOC
15:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165894

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 12/27/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165858TB	PB165858TB	TCLP BNA	100	6	ritesh	rajesh	1			SEP-08
PB165894BL	PB165894BL	TCLP BNA	1000	6	ritesh	rajesh	1			9
PB165894BS	PB165894BS	TCLP BNA	1000	6	ritesh	rajesh	1			10
P5362-02	WC-SOIL-20241219	TCLP BNA	100	6	ritesh	rajesh	1	A		11
P5362-02MS	WC-SOIL-20241219MS	TCLP BNA	100	6	ritesh	rajesh	1	A		12
P5362-02MSD	WC-SOIL-20241219MSD	TCLP BNA	100	6	ritesh	rajesh	1	A		13
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	TCLP BNA	100	6	ritesh	rajesh	1	A		14
P5386-02	MOO-24-00398	TCLP BNA	100	6	ritesh	rajesh	1	A		15
P5386-04	MOO-24-00395-96	TCLP BNA	100	6	ritesh	rajesh	1	A		16

12/27/24

* **Extracts relinguished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165858

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P5342-08	CHRT26634	01	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
P5342-09	HT2651	02	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
P5362-02	WC-SOIL-20241219	03	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	04	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
P5386-02	MOO-24-00398	05	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
P5386-04	MOO-24-00395-96	06	100.01	2000	N/A	N/A	N/A	4.5	1.5	T-1
PB165858TB	LEB858	07	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

12/27/24

10:00

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Prep Standard - Chemical Standard Summary

Order ID : P5380

Test : TCLP BNA

Prepbatch ID : PB165894,

Sequence ID/Qc Batch ID: BF123024,BF123124,

Standard ID :
EP2559,EP2565,EP2573,SP6573,SP6638,SP6672,SP6673,SP6674,SP6675,SP6676,SP6677,SP6678,SP6679,SP6680,SP6681,SP6685,SP6686,SP6701,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3768,E3815,E3827,E3828,e3848,M5173,S10103,S10247,S10393,S10583,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11085,S11086,S11093,S11099,S11103,S11138,S11141,S11160,S11494,S11495,S11649,S11776,S11777,S11778,S11779,S11780,S12079,S12113,S12114,S12134,S12135,S12136,S12137,S12138,S12139,S12140,S12141,S12142,S12187,S12188,S12189,S12207,S12208,S12275,S12276,S12327,S12461,S12462,S12463,S12464,S12465,S12466,S12467,S12468,S12469,S12510,S 12511,S12512,S12513,S12514,S12515,S12516,S12517,S12646,S12790,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2559	11/14/2024	05/14/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/14/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2573	12/16/2024	06/16/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 12/16/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6573	07/15/2024	01/08/2025	Rahul Chavli	None	None	Yogesh Patel 07/17/2024

FROM 1.00000ml of S10247 + 19.00000ml of E3768 = Final Quantity: 20.000 ml

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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	SP6638	10/10/2024	04/04/2025	Jagrut Upadhyay	None	None	mohammad ahmed 10/18/2024

FROM 1930.00000ml of E3815 + 5.00000ml of S10978 + 5.00000ml of S10979 + 5.00000ml of S10980 + 5.00000ml of S11004 + 5.00000ml of S11005 + 5.00000ml of S11006 + 5.00000ml of S11007 + 5.00000ml of S11008 + 5.00000ml of S11009 + 5.00000ml of S11010 + 5.00000ml of S12187 + 5.00000ml of S12188 + 5.00000ml of S12189 + 5.00000ml of S12207 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6672	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.05000ml of S12114 + 0.20000ml of S11093 + 0.20000ml of S11494 + 0.20000ml of S11495 + 0.20000ml of S12276 + 0.26700ml of S10103 + 0.40000ml of S11103 + 0.40000ml of S12275 + 0.45000ml of S12113 + 0.50000ml of S11085 + 0.50000ml of S11086 + 0.50000ml of S12079 + 0.50000ml of S12790 + 0.80000ml of S11160 + 1.00000ml of S11099 + 3.83300ml of E3828 = Final Quantity: 10.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6673	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.20000ml of E3828 + 0.80000ml of SP6672 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6674	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.40000ml of E3828 + 0.60000ml of SP6672 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6675	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.50000ml of E3828 + 0.50000ml of SP6672 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6676	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6672 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6677	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.80000ml of E3828 + 0.20000ml of SP6672 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6678	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.90000ml of E3828 + 0.10000ml of SP6672 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6679	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.95000ml of E3828 + 0.05000ml of SP6672 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6680	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.50000ml of E3828 + 0.50000ml of SP6679 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6681	11/14/2024	02/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/18/2024

FROM 0.20000ml of S12142 + 0.40000ml of S10393 + 0.40000ml of S10583 + 0.40000ml of S11138 + 0.40000ml of S11141 + 0.40000ml of S11649 + 0.40000ml of S11776 + 0.70000ml of S11780 + 0.80000ml of S12461 + 0.80000ml of S12469 + 0.90000ml of S12510 + 1.00000ml of S12134 + 1.00000ml of S12141 + 1.20000ml of S12462 + 1.20000ml of S12463 + 1.20000ml of S12464 + 1.20000ml of S12465 + 1.20000ml of S12466 + 1.20000ml of S12467 + 1.20000ml of S12468 + 1.30000ml of S11777 + 1.30000ml of S11778 + 1.30000ml of S11779 + 1.30000ml of S12135 + 1.30000ml of S12136 + 1.30000ml of S12137 + 1.30000ml of S12138 + 1.30000ml of S12139 + 1.30000ml of S12140 + 1.30000ml of S12511 + 1.30000ml of S12512 + 1.30000ml of S12513 + 1.30000ml of S12514 + 1.30000ml of S12515 + 1.30000ml of S12516 + 1.30000ml of S12517 + 163.00000ml of E3827 = Final Quantity: 200.000 ml

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

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SVOC STANDARD PREPARATION LOG

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6701	12/30/2024	01/15/2025	Rahul Chavli	None	None	mohammad ahmed 01/02/2025

FROM 0.35000ml of S10247 + 6.65000ml of E3848 = Final Quantity: 7.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	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 #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24E2462004	01/08/2025	07/08/2024 / Rajesh	06/21/2024 / Rajesh	E3768

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/08/2025	11/08/2024 / Rajesh	11/07/2024 / Rajesh	E3827

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

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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	06/18/2025	12/18/2024 / Rajesh	12/09/2024 / Rajesh	E3848

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	02/08/2025	08/08/2024 / Jagrut	12/09/2021 / Christian	S10103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	01/15/2025	07/15/2024 / Rahul	03/18/2022 / Christian	S10247

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	03/13/2025	09/13/2024 / yogesh	05/18/2022 / Christian	S10393

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	02/12/2025	08/12/2024 / Rahul	07/05/2022 / Christian	S10583

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11004

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11005

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11006

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11007

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11008

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11009

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11010

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	03/11/2025	09/11/2024 / Rahul	02/07/2023 / Christian	S11085

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CHEMICAL RECEIPT LOG BOOK

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	05/12/2025	11/12/2024 / Jagrut	02/07/2023 / Christian	S11086

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11093

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	05/12/2025	11/12/2024 / Jagrut	02/07/2023 / Christian	S11099

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0194698	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11138

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11141

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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	05/12/2025	11/12/2024 / Jagrut	03/06/2023 / Christian	S11160

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	02/08/2025	08/08/2024 / Jagrut	08/11/2023 / Yogesh	S11494

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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	03/13/2025	09/13/2024 / anahy	11/09/2023 / Yogesh	S11649

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	03/13/2025	09/13/2024 / anahy	11/21/2023 / Rahul	S11776

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	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11777

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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	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11778

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	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11779

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	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11780

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	04/24/2025	10/24/2024 / Jagrut	01/31/2024 / Rahul	S12079

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	02/09/2025	08/09/2024 / Jagrut	03/08/2024 / Rahul	S12113

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	03/13/2025	09/13/2024 / anahy	03/15/2024 / Rahul	S12134

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	S12135

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	S12136

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	S12137

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	S12138

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	S12139

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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	S12140

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	S12141

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	S12187

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	S12188

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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 #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	03/11/2025	09/11/2024 / Rahul	05/24/2024 / Rahul	S12275

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

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	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12461

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12462

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	S12463

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	S12464

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	S12465

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	S12466

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	S12467

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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	S12468

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	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12510

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	S12511

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	S12512

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	S12513

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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	S12514

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	S12515

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	S12516

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	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	06/18/2025	12/18/2024 / anahy	09/20/2024 / anahy	S12646

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	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12790

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-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
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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.

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Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

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Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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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

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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.

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Received on 02/07/23 by CG

~~S11088~~ S11096 to S11099

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

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Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 495831 **Expiration Date:** 10/30/2027

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 03/08/22 by CG S10242 to S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol **CAS #** 87-86-5 (Lot 211229RSR) **Purity** 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) **CAS #** 5074-71-5 (Lot Q117-147) **Purity** 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL +/- 45.8508 µg/mL +/- 66.2023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine **CAS #** 92-87-5 (Lot 211228JLM) **Purity** 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL +/- 45.9318 µg/mL +/- 66.3193 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT **CAS #** 50-29-3 (Lot 210916JLM) **Purity** 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL +/- 45.8954 µg/mL +/- 66.2667 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

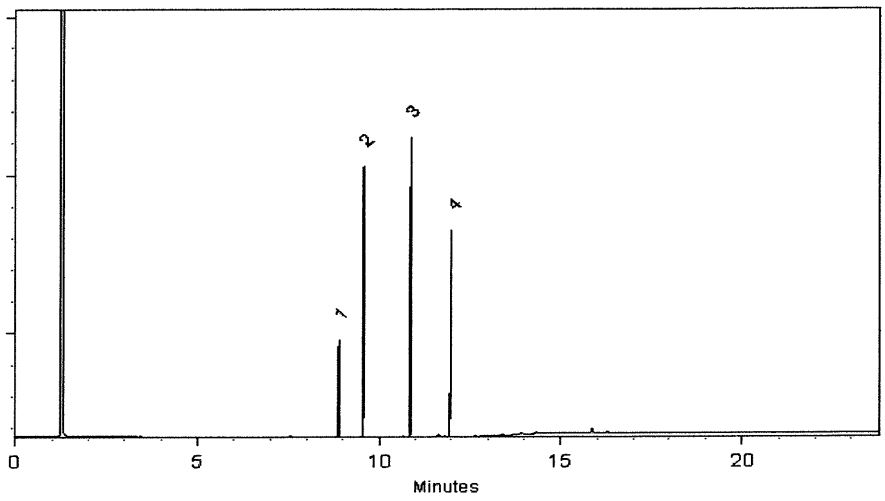
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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.

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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)

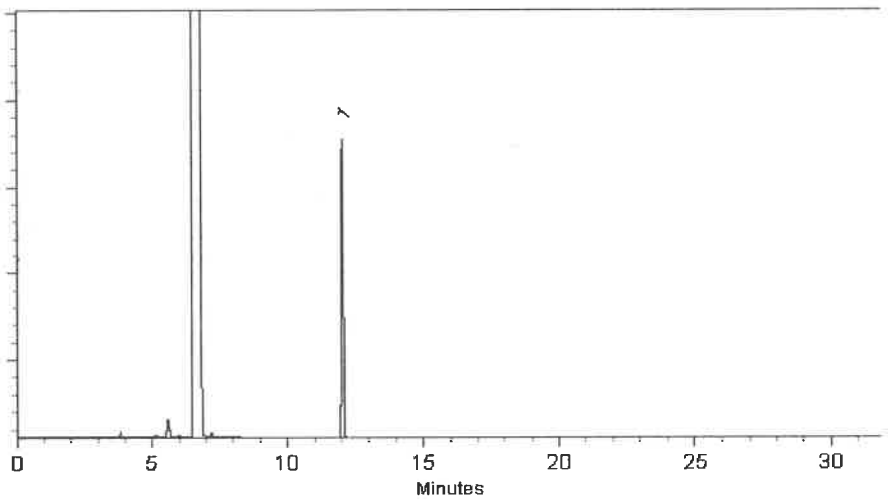
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

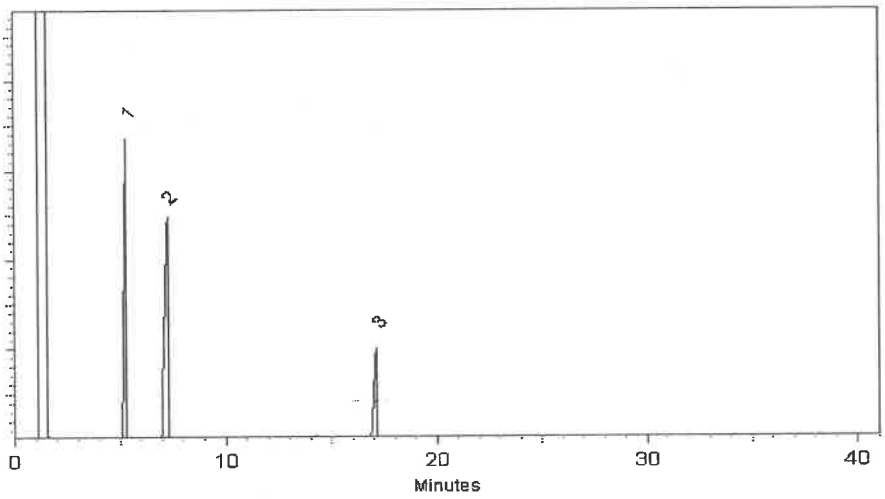
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

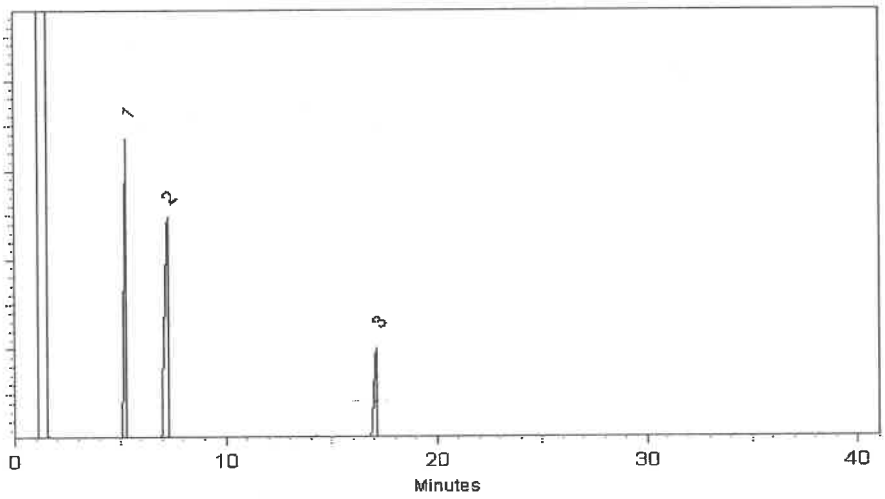
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

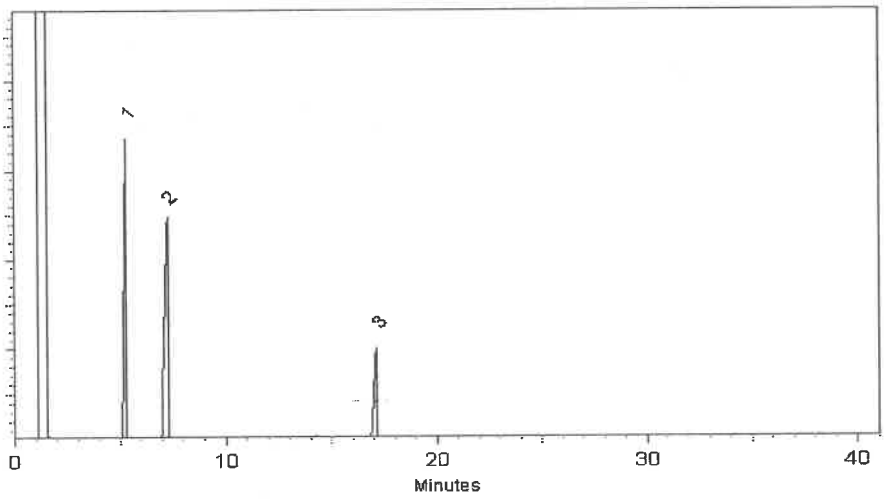
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

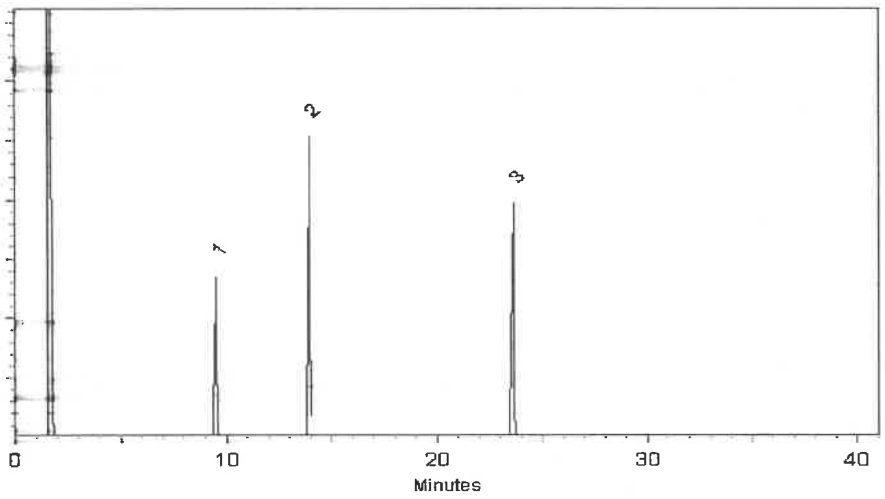
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

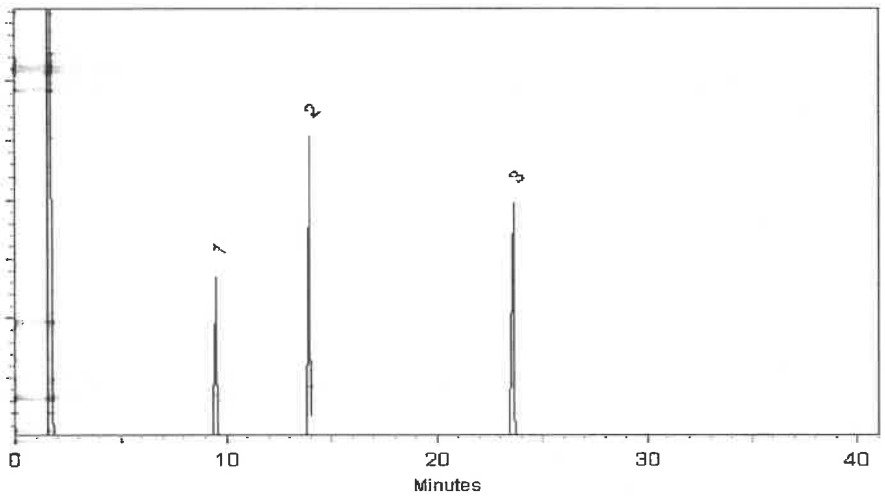
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

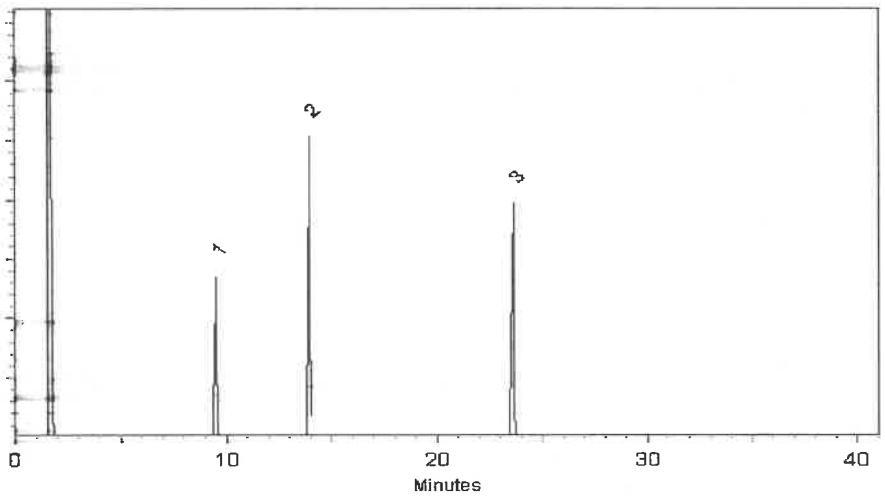
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

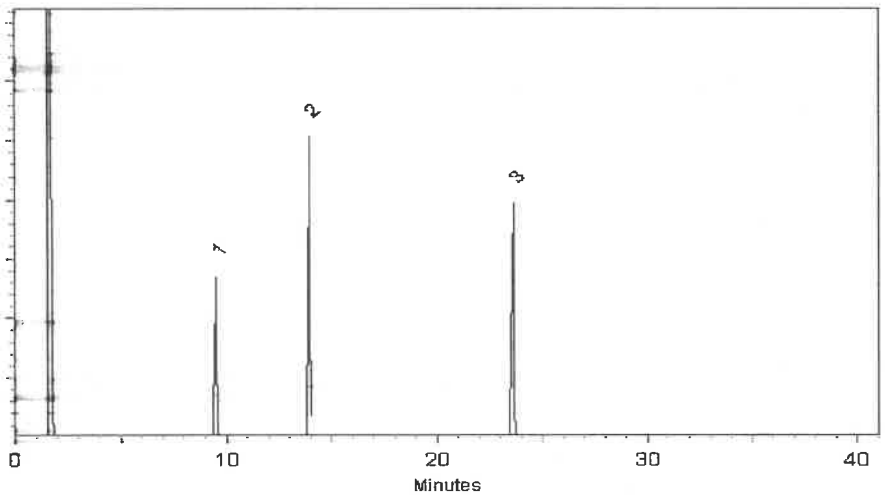
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

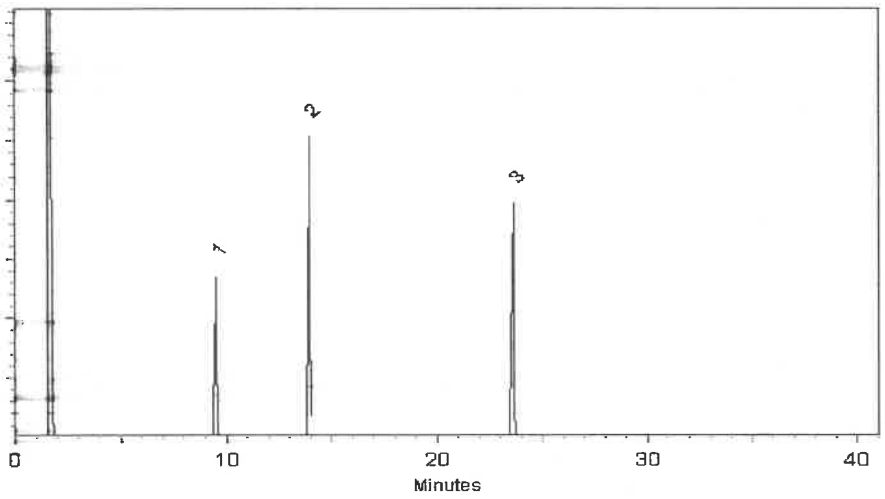
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

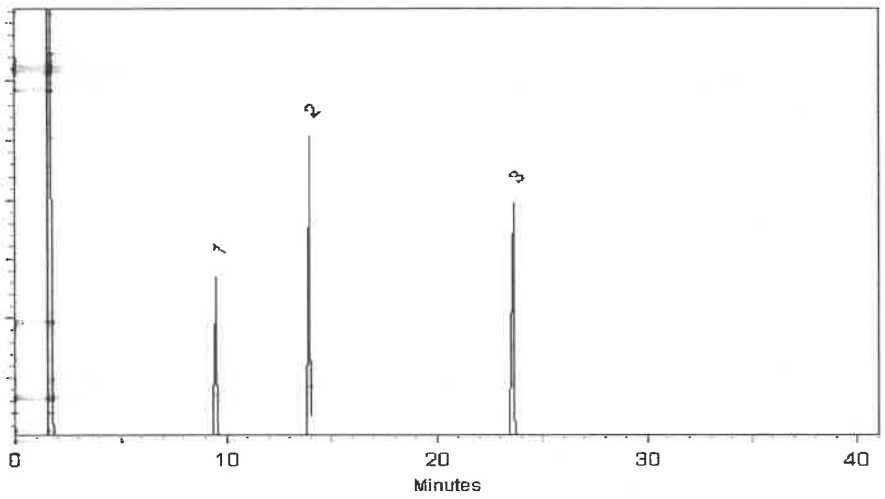
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

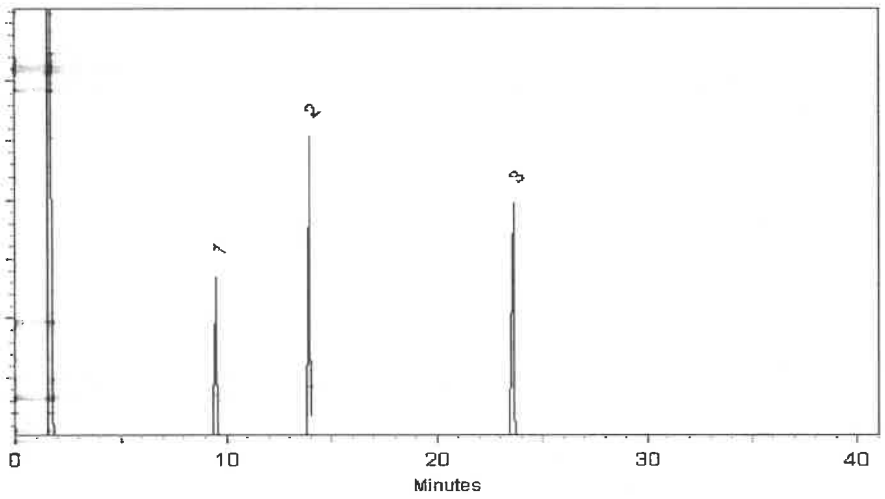
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** A0194698

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	2,4-Dinitrophenol	51-28-5	DR221221RSR	99%	25,195.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek's Registered Quality Certificate #FM 8

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

ıty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ɜnded condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

ıds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the ɔmpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

ɜrtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ıty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ıty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

ɜrage factor of 2, which gives a level of confidence of approximately 95%.

ıged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure inimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily Γ traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ɳ, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ɟards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ɜm. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, ıdes complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

PO: PO1-8886 PRODUCT CODE: SHIP DATE: 6/21/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24E2462004
Manufactured Date: 2024-04-10
Expiration Date: 2025-07-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D10725

E 3768

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3827

Recd by RP on ~~11/6~~ 11/7/24
RP 11/7

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

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

Avantor Performance Materials LLC

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

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 3848

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

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.189
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	< 1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9530-33
Batch No.: 0000281827

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
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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: _____

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Chemist

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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.)

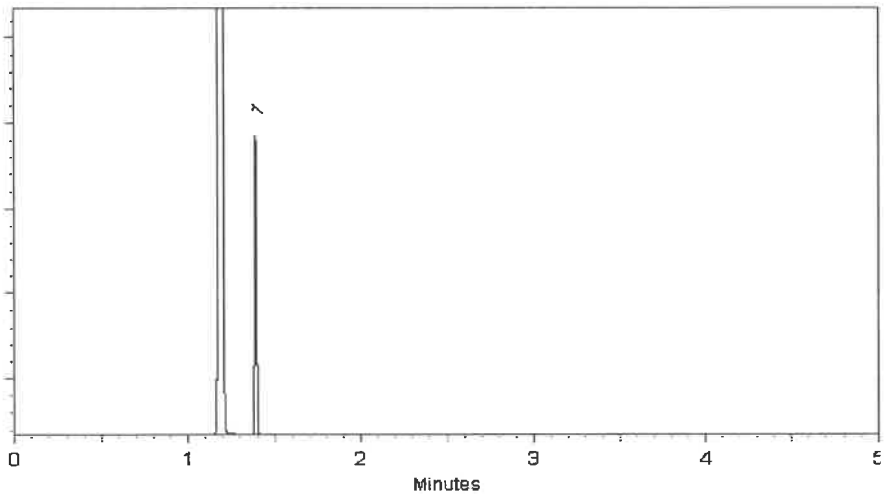
Inj. Temp:
250°C

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.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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.)

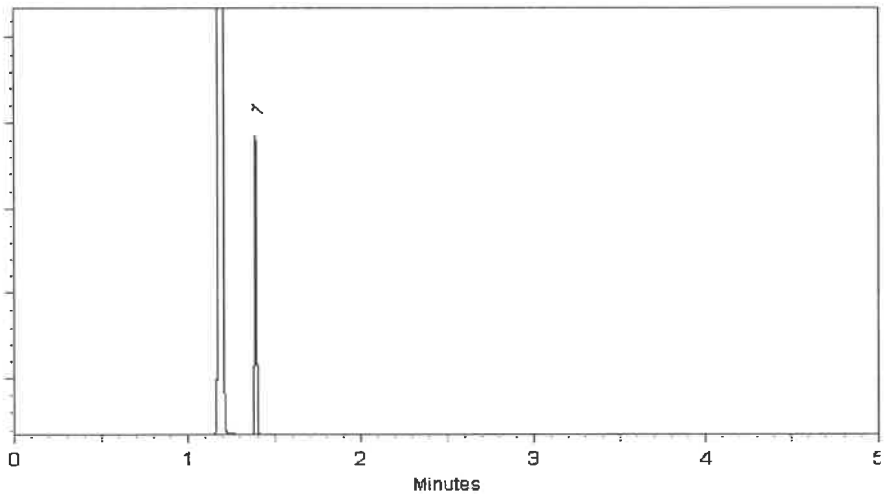
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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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.
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Purity Notes:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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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.)

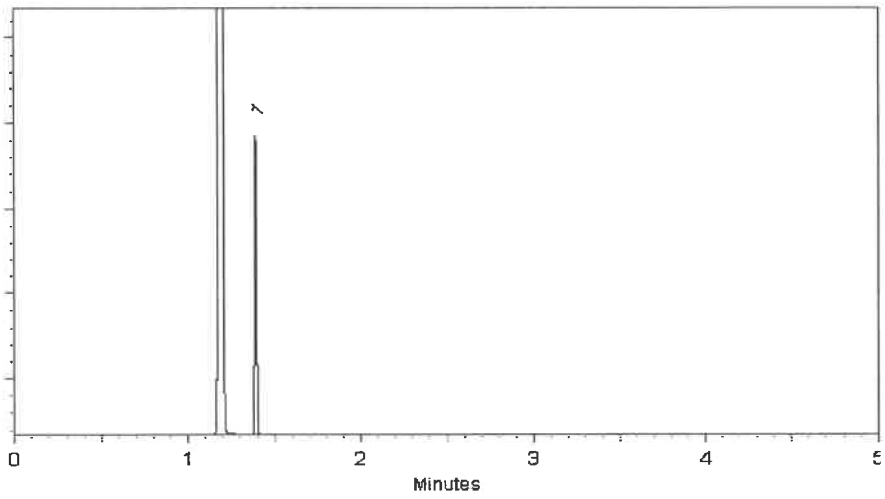
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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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:

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Purity Notes:

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- 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:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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.)

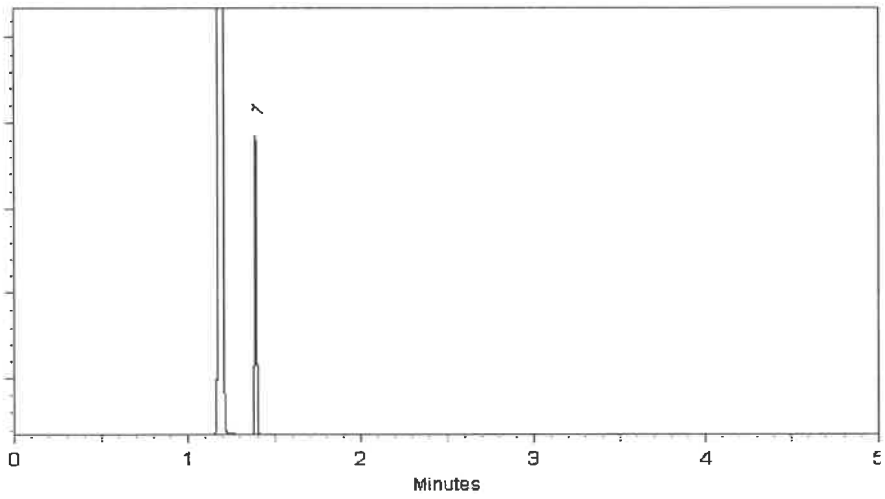
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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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:

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Purity Notes:

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- 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:

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  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:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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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.)

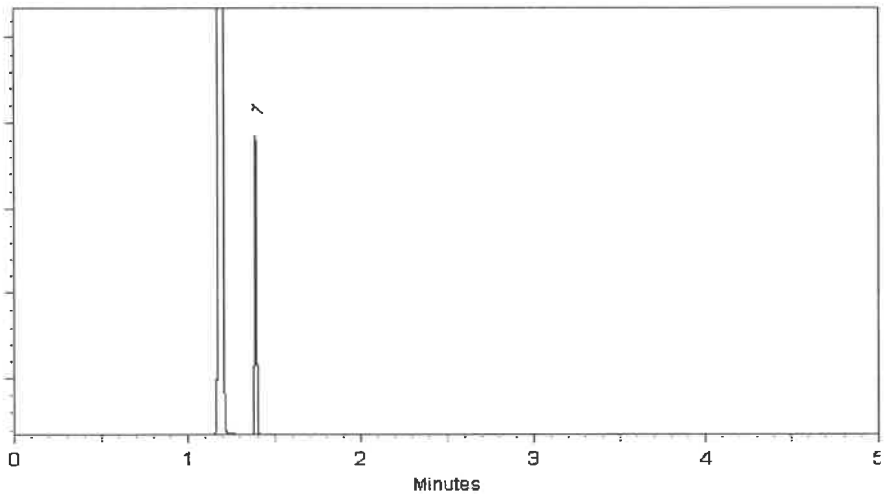
Inj. Temp:
250°C

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-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12075
↓
S12079
RC
02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
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Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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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
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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

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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%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** 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

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CAS # 75-09-2
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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
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Fax: 1-814-353-1309

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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
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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%

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

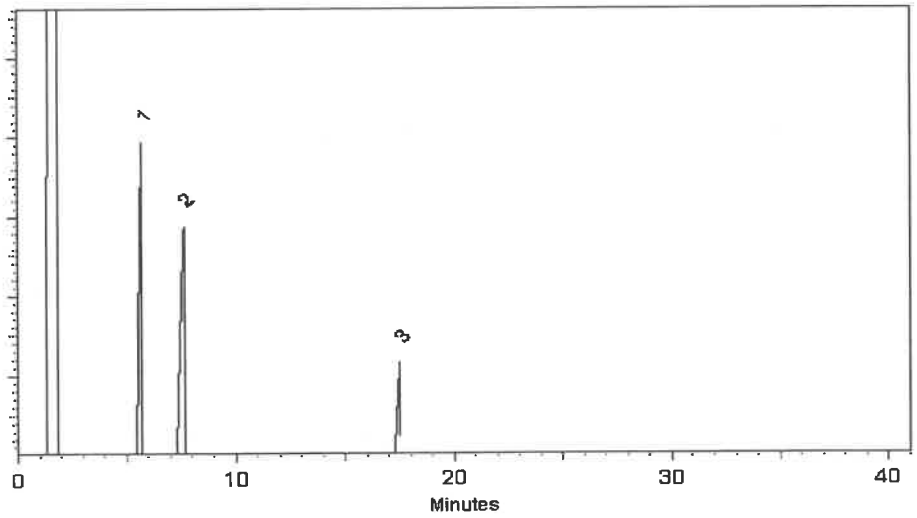
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

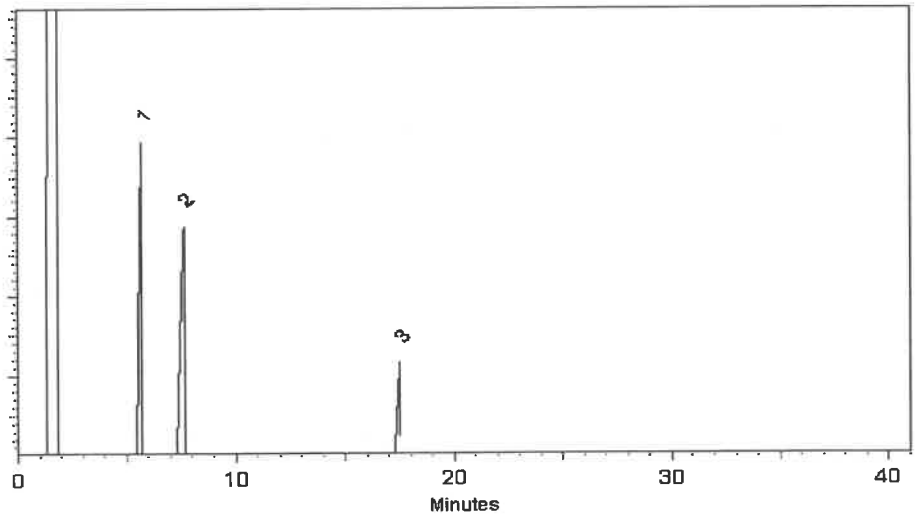
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

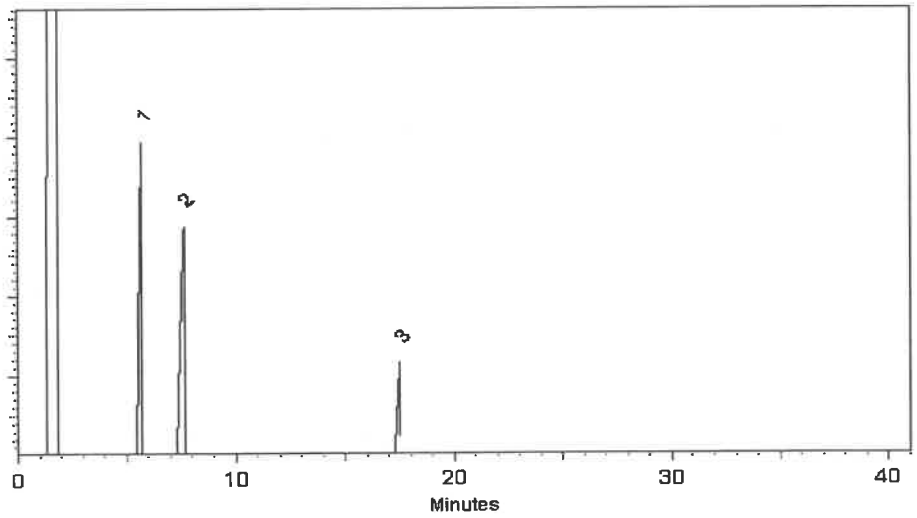
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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

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

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

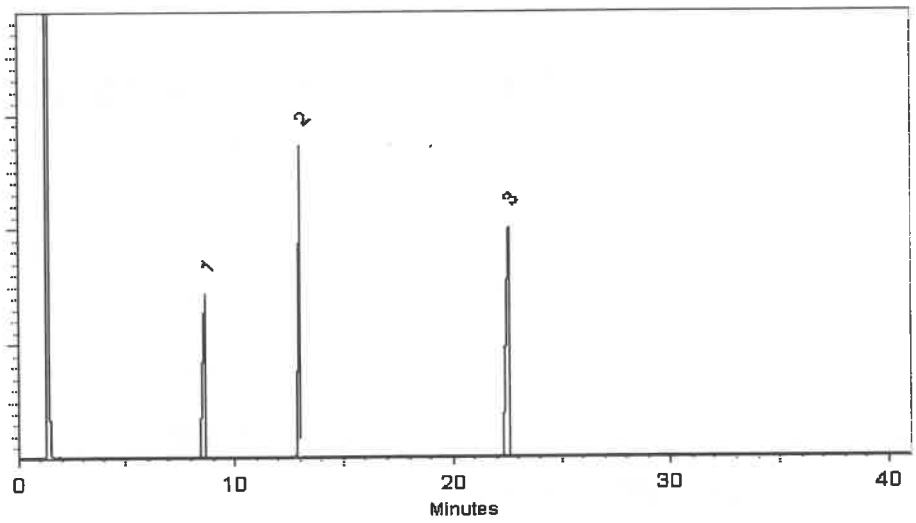
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

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

S12207 ↓ S12221 RC/ 03/18/24

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.)

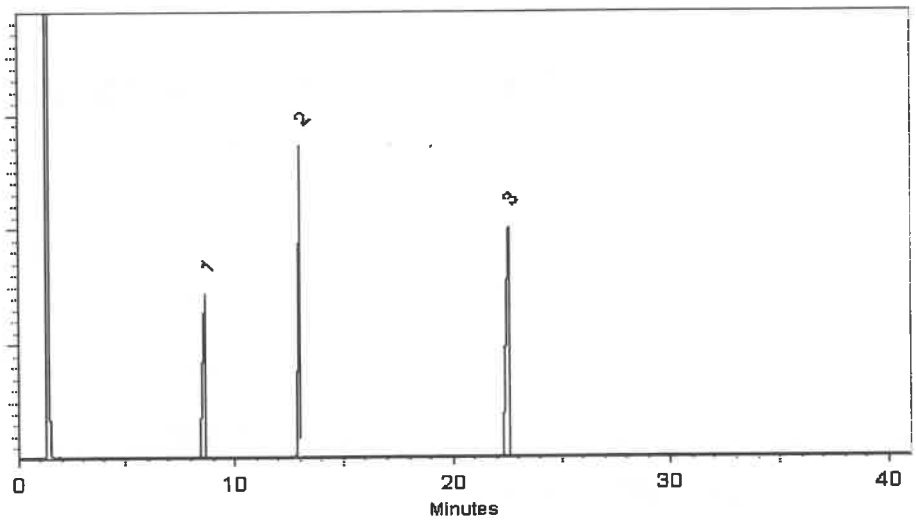
Inj. Temp:
250°C

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-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 gravimetricly.

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Santa Rosa, CA 95403

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Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-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 gravimetricly.

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Testing Laboratory
Certificate #3222.02

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S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

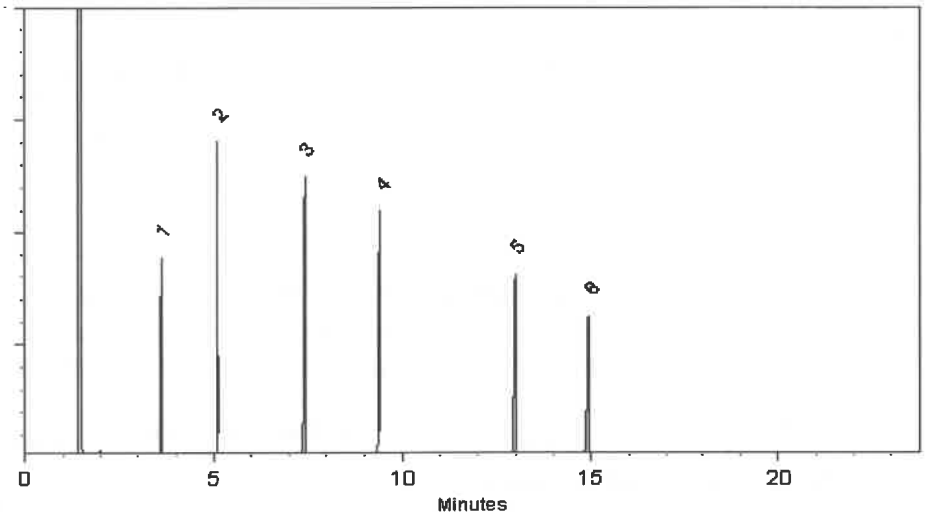
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- 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

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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:

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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)
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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

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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:

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Manufacturing Notes:

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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
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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

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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)
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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

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

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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)
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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

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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)
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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

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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.

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gravimetric

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
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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:

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- 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:

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Handling Notes:

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gravimetric

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
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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.

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- 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.

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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

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.



SHIPPING DOCUMENTS

P5380

Weston COC ID
Weston_20241220

Chain of Custody Record/Lab Work Request

Page 1 of 1

Client:	Weston Solutions, Inc.		
Project Manager:	David Sembrot		
Street Address:	1400 Weston Way	City:	West Chester
Phone:	610-314-5456	ST, ZIP:	PA, 19038
e-mail:	david.sembrot@westonsolutions.com		
Sampled By:	Cheyenne Harrington		

Project Name:	Fort Meade RI	**Project POC:**	Nathan Fretz
PO Number	0111169	**Phone:**	484-524-5665
W.O. #:		**POC e-mail:**	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH	**Lab POC:**	Jordan Hedvat
TAT (days):	7	**Lab Phone:**	908-726-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

Matrix Codes
SB- Soil
SE - Sediment
SO - Solid
SL - Sludge
GW - Groundwater
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab Use Only		
Temperature of cooler when received (°C)		
COC Tape was present and unbroken on outer package?	Y	N
Samples received in good condition?	Y	N
Labels indicate properly preserved?	Y	N
Received within holding times?	Y	N
Discrepancies between sample labels and COC record?	Y	N

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected	TCLP VOCs by EPA 8260D (1311)	TCLP SVOCs by EPA 8270E (1311)	TCLP Metals by EPA 6010D/7470A	TCLP Pesticides by EPA 8081B	TCLP Herbicides by EPA 8151A	Total Sulfide by EPA 9034	Total Cyanide by EPA 9012B	PCB by EPA 8082A	Ignitability by EPA 1030	pH by EPA 9045D			Special Instructions/Comments
	Analyses Requested:																			
	Container Type:							Encore	Glass	Glass	Glass	Glass	Glass	Glass	Glass	Glass	Glass			
	Container Size:							25g	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz			
	Preservative:							Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6 dec	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6			
1	TAPIAL3-IDW-Soil-122024-T1	c	DS	6	no	12/20/2024	14:15	X	X	X	X	X	X	X	X	X	X			expedited 7 day TAT
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Shipping Airbill Number(s):

Cooler Number: 1 of 1

	Relinquished By	Date	Time	Received By	Date	Time	Additional Comments
1.)	[signature]	12/20/24	18:00	[signature]	12/21/24	11:00	QSM 6.0 Compliant
2.)						2-3°	Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD
3.)							

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140974.D
Acq On : 26 Dec 2024 18:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Dec 26 23:49:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	264114	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1047016	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	555398	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	980435	20.000	ng	0.00
76) Chrysene-d12	13.986	240	652144	20.000	ng	0.00
86) Perylene-d12	15.445	264	531798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1365623	85.117	ng	0.00
7) Phenol-d6	6.451	99	1760717	82.856	ng	0.00
23) Nitrobenzene-d5	7.392	82	1367946	65.367	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	435705	66.330	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	2610026	64.609	ng	0.00
79) Terphenyl-d14	12.933	244	2976692	71.976	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.552	88	315557	45.662	ng	100
3) Pyridine	3.293	79	759262	47.441	ng	100
4) n-Nitrosodimethylamine	3.240	42	393459	48.767	ng	100
6) Aniline	6.492	93	413417	22.753	ng	99
8) 2-Chlorophenol	6.610	128	732249	41.852	ng	100
9) Benzaldehyde	6.375	77	454816	38.627	ng	100
10) Phenol	6.463	94	921228	41.827	ng	100
11) bis(2-Chloroethyl)ether	6.563	93	719951	43.833	ng	100
12) 1,3-Dichlorobenzene	6.769	146	800536	40.155	ng	100
13) 1,4-Dichlorobenzene	6.845	146	801219	39.592	ng	100
14) 1,2-Dichlorobenzene	6.998	146	748204	39.186	ng	100
15) Benzyl Alcohol	6.969	79	647599	42.622	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1115398	57.646	ng	100
17) 2-Methylphenol	7.075	107	608223	43.542	ng	100
18) Hexachloroethane	7.345	117	287289	38.134	ng	100
19) n-Nitroso-di-n-propyla...	7.245	70	532284	41.757	ng	100
20) 3+4-Methylphenols	7.228	107	766762	41.396	ng	100
22) Acetophenone	7.240	105	983828	37.563	ng	100
24) Nitrobenzene	7.410	77	767486	35.798	ng	100
25) Isophorone	7.651	82	1374822	39.208	ng	100
26) 2-Nitrophenol	7.728	139	266201	26.959	ng	100
27) 2,4-Dimethylphenol	7.757	122	505676	43.851	ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	869568	39.705	ng	100
29) 2,4-Dichlorophenol	7.963	162	582167	36.567	ng	100
30) 1,2,4-Trichlorobenzene	8.051	180	654033	35.836	ng	100
31) Naphthalene	8.134	128	2136130	37.141	ng	100
32) Benzoic acid	7.863	122	372684	34.077	ng	100
33) 4-Chloroaniline	8.181	127	768068	40.209	ng	100
34) Hexachlorobutadiene	8.251	225	380095	30.955	ng	100
35) Caprolactam	8.545	113	198661	41.915	ng	100
36) 4-Chloro-3-methylphenol	8.651	107	646441	36.076	ng	100
37) 2-Methylnaphthalene	8.822	142	1343941	35.325	ng	100
38) 1-Methylnaphthalene	8.922	142	1330393	35.358	ng	100
40) 1,2,4,5-Tetrachloroben...	8.986	216	594643	34.834	ng	100
41) Hexachlorocyclopentadiene	8.975	237	207209	48.627	ng	100
43) 2,4,6-Trichlorophenol	9.092	196	404147	38.663	ng	100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140974.D
Acq On : 26 Dec 2024 18:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration

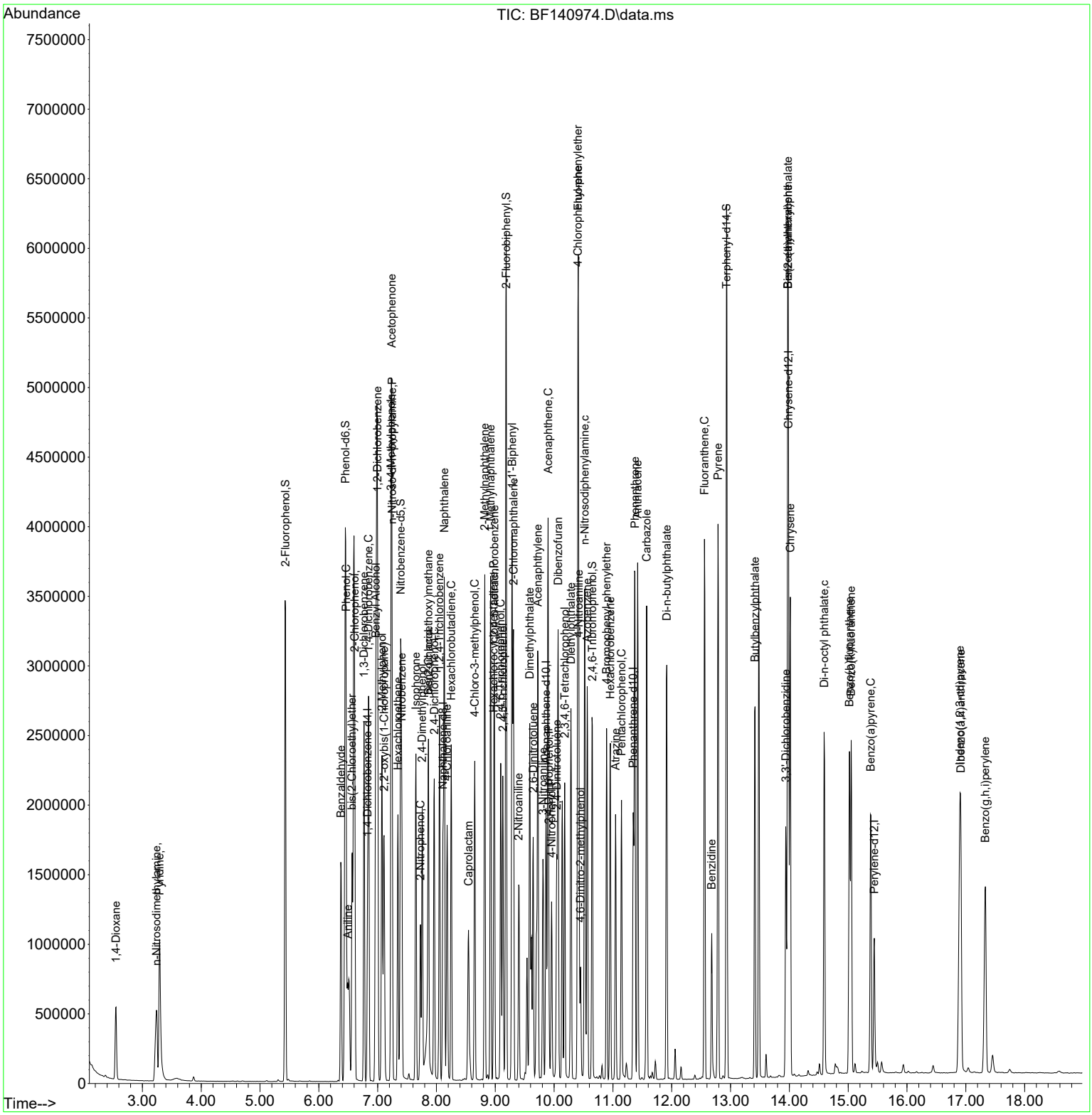
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	422062	36.736	ng	100
46) 1,1'-Biphenyl	9.286	154	1643157	37.206	ng	100
47) 2-Chloronaphthalene	9.310	162	1266026	37.471	ng	100
48) 2-Nitroaniline	9.398	65	319958	31.356	ng	100
49) Acenaphthylene	9.722	152	1837752	37.013	ng	100
50) Dimethylphthalate	9.586	163	1427475	36.455	ng	100
51) 2,6-Dinitrotoluene	9.645	165	283992	31.725	ng	100
52) Acenaphthene	9.898	154	1243394	39.203	ng	100
53) 3-Nitroaniline	9.810	138	312579	35.186	ng	100
54) 2,4-Dinitrophenol	9.910	184	79893	21.786	ng	100
55) Dibenzofuran	10.069	168	1738272	35.369	ng	100
56) 4-Nitrophenol	9.957	139	254611	61.075	ng	100
57) 2,4-Dinitrotoluene	10.045	165	344129	29.218	ng	100
58) Fluorene	10.410	166	1323793	32.650	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.181	232	348605	37.236	ng	100
60) Diethylphthalate	10.286	149	1406132	34.630	ng	100
61) 4-Chlorophenyl-phenyle...	10.404	204	642732	31.558	ng	100
62) 4-Nitroaniline	10.422	138	309322	33.321	ng	100
63) Azobenzene	10.563	77	1465453	38.390	ng	100
65) 4,6-Dinitro-2-methylph...	10.451	198	130378	23.468	ng	100
66) n-Nitrosodiphenylamine	10.522	169	1187207	39.385	ng	100
67) 4-Bromophenyl-phenylether	10.892	248	416835	38.003	ng	100
68) Hexachlorobenzene	10.957	284	454182	36.522	ng	100
69) Atrazine	11.045	200	306702	36.430	ng	100
70) Pentachlorophenol	11.145	266	304066	66.877	ng	100
71) Phenanthrene	11.375	178	1970080	39.075	ng	100
72) Anthracene	11.422	178	1943496	39.142	ng	100
73) Carbazole	11.575	167	1856207	38.167	ng	100
74) Di-n-butylphthalate	11.916	149	2124340	37.219	ng	100
75) Fluoranthene	12.557	202	2140117	36.857	ng	100
77) Benzidine	12.680	184	540933	40.641	ng	100
78) Pyrene	12.786	202	2206885	38.055	ng	100
80) Butylbenzylphthalate	13.416	149	856154	40.123	ng	100
81) Benzo(a)anthracene	13.974	228	1786080	38.643	ng	100
82) 3,3'-Dichlorobenzidine	13.939	252	524994	37.648	ng	100
83) Chrysene	14.016	228	1574996	37.474	ng	100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1069992	38.889	ng	100
85) Di-n-octyl phthalate	14.592	149	1563317	37.556	ng	100
87) Indeno(1,2,3-cd)pyrene	16.898	276	1394102	42.008	ng	100
88) Benzo(b)fluoranthene	15.021	252	1506798	40.818	ng	100
89) Benzo(k)fluoranthene	15.051	252	1133027	35.781	ng	100
90) Benzo(a)pyrene	15.386	252	1136531	39.319	ng	100
91) Dibenzo(a,h)anthracene	16.915	278	1137962	41.391	ng	100
92) Benzo(g,h,i)perylene	17.333	276	1197853	42.808	ng	100

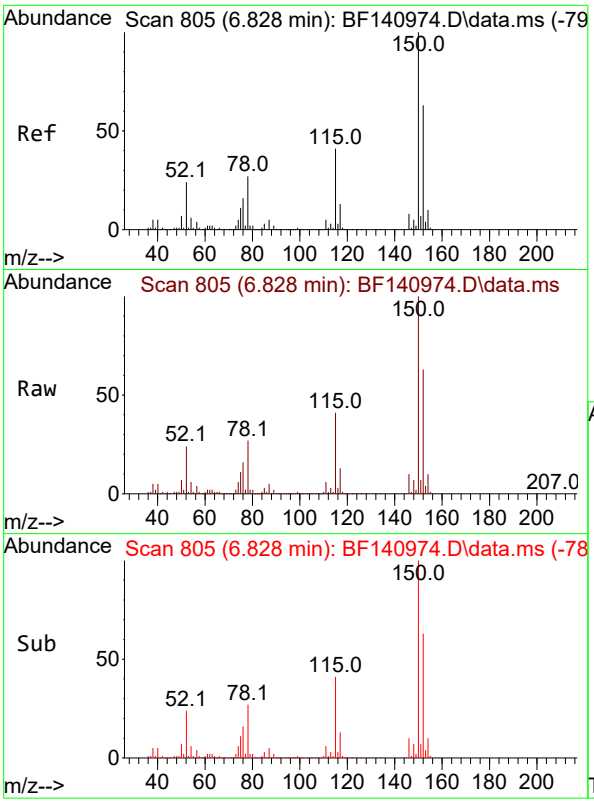
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140974.D
Acq On : 26 Dec 2024 18:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Dec 26 23:49:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration



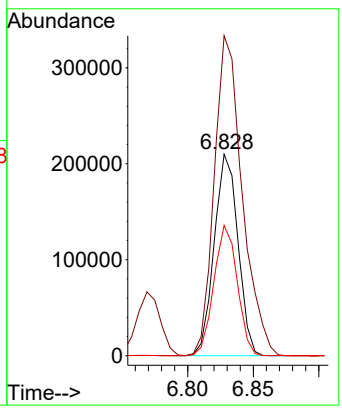


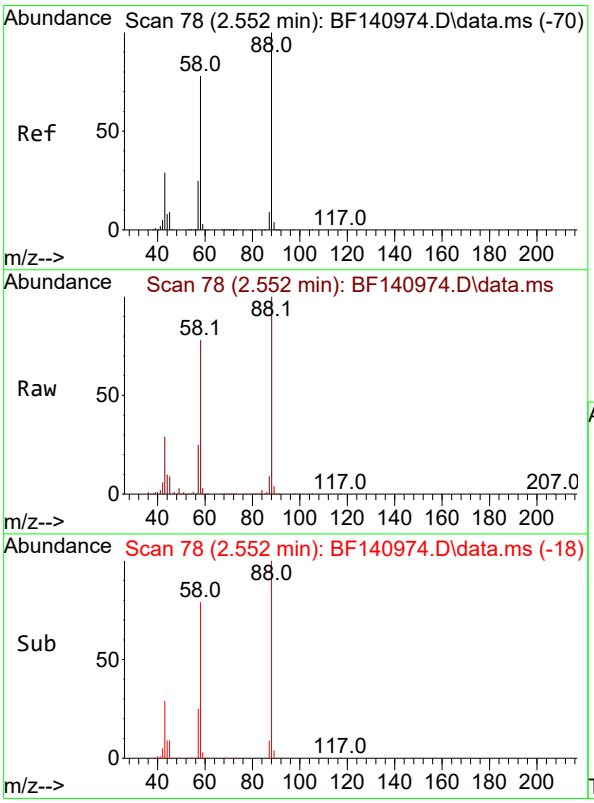
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 264114

Ion	Ratio	Lower	Upper
152	100		
150	158.8	127.0	190.6
115	64.6	51.7	77.5

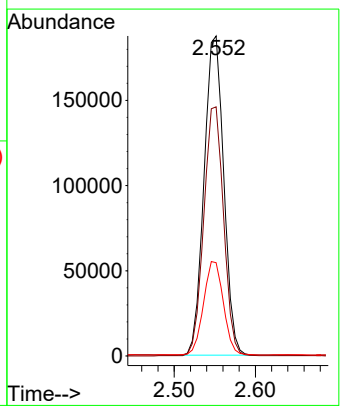


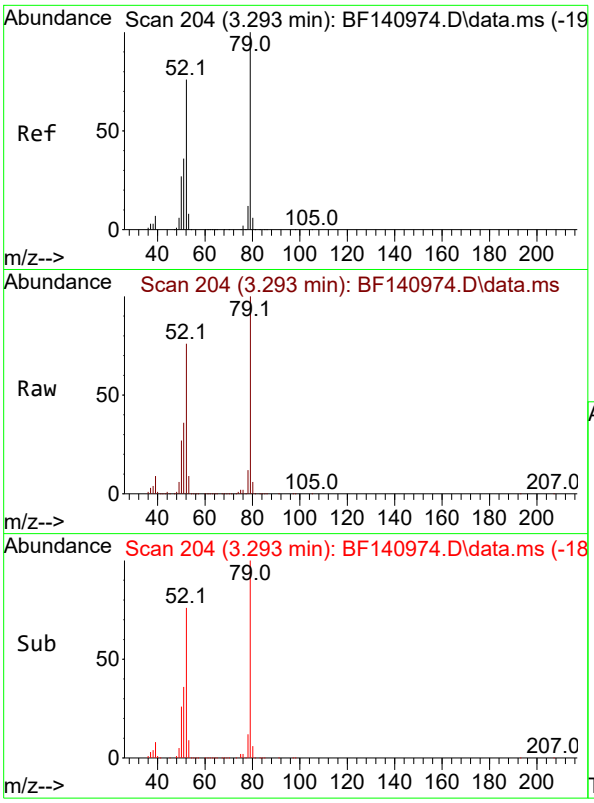


#2
1,4-Dioxane
Concen: 45.662 ng
RT: 2.552 min Scan# 78
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 88 Resp: 315557

Ion	Ratio	Lower	Upper
88	100		
58	78.7	63.0	94.4
43	29.3	23.4	35.2



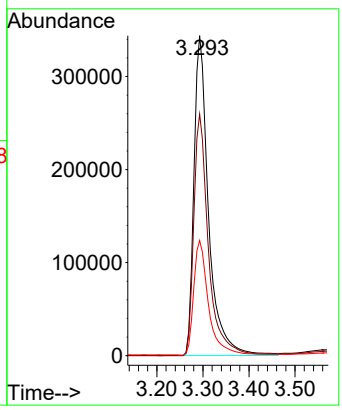


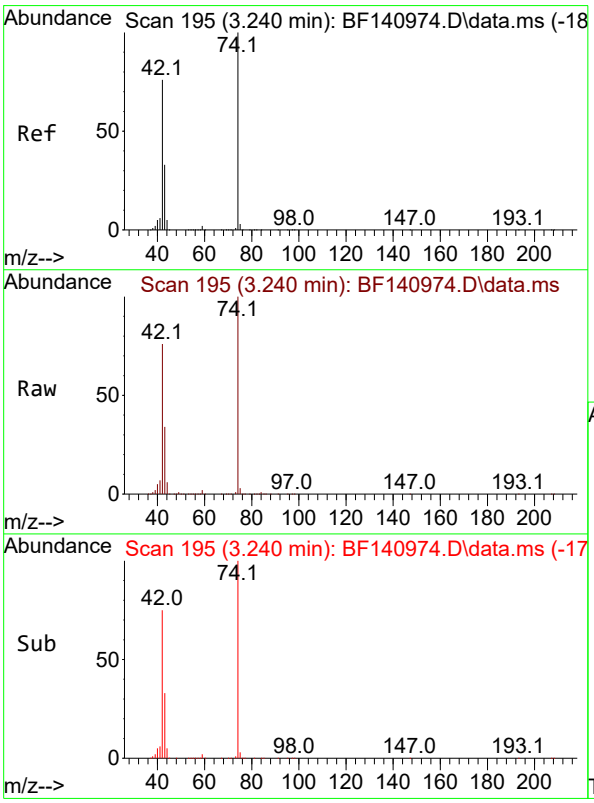
#3
Pyridine
Concen: 47.441 ng
RT: 3.293 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 759262

Ion	Ratio	Lower	Upper
79	100		
52	75.5	60.4	90.6
51	36.0	28.8	43.2

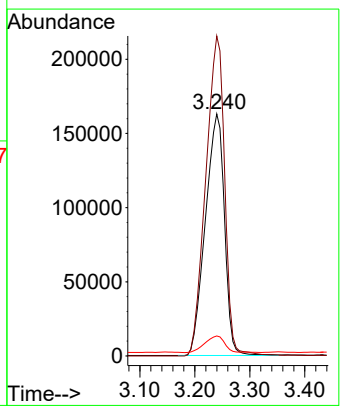


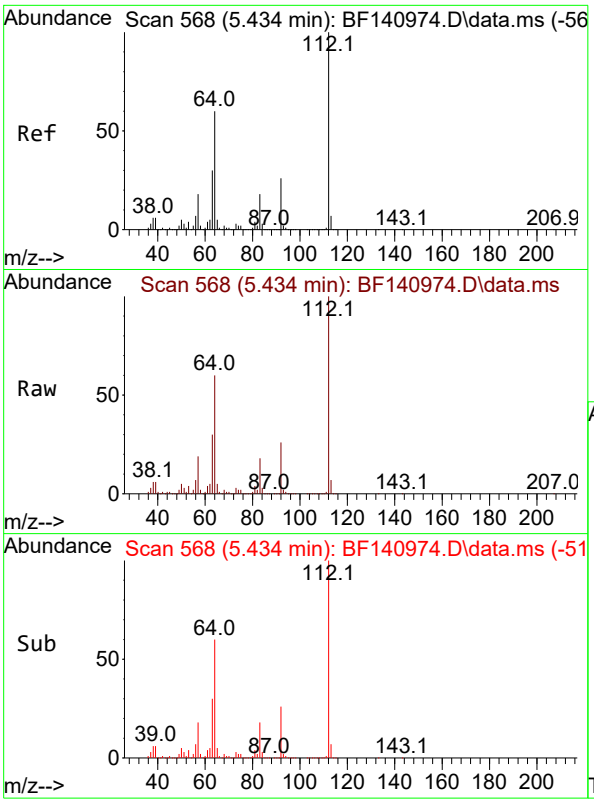


#4
n-Nitrosodimethylamine
Concen: 48.767 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 42 Resp: 393459

Ion	Ratio	Lower	Upper
42	100		
74	132.2	105.8	158.6
44	8.3	6.6	10.0



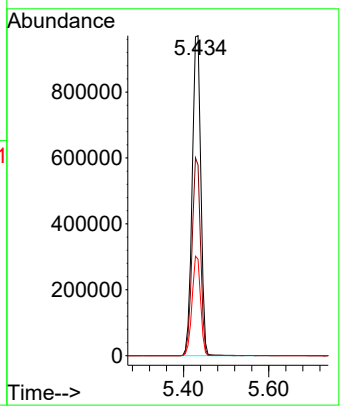


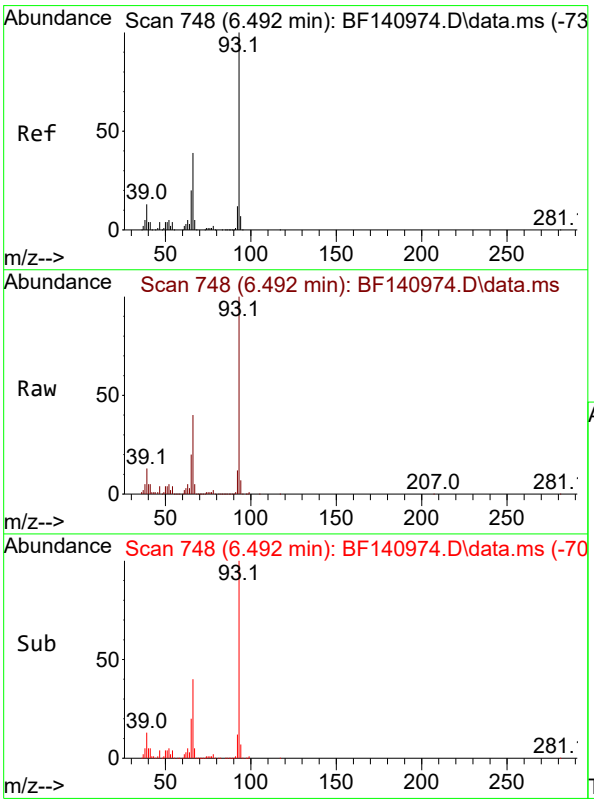
#5
2-Fluorophenol
Concen: 85.117 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1365623

Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.7	71.5
63	30.2	24.2	36.2

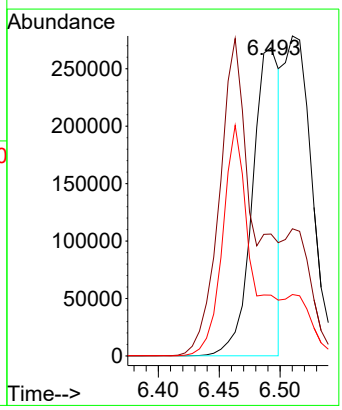


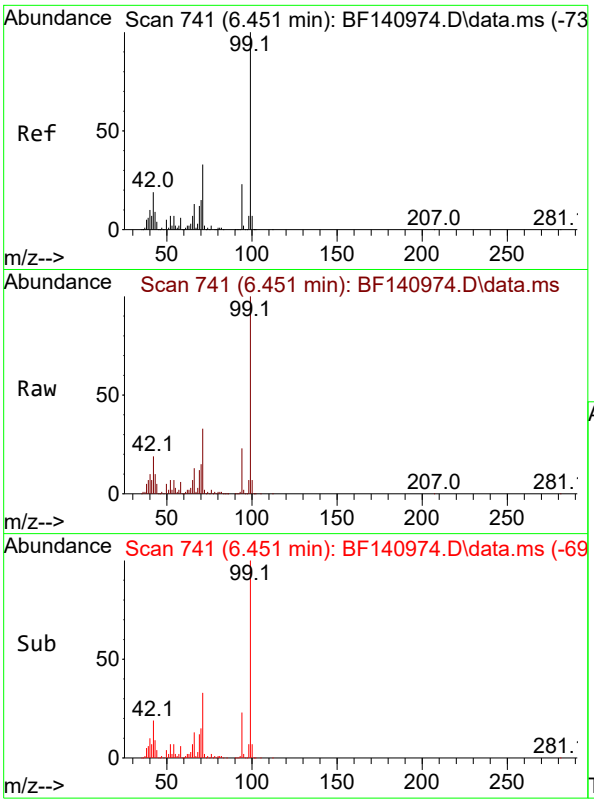


#6
Aniline
Concen: 22.753 ng
RT: 6.492 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 93 Resp: 413417

Ion	Ratio	Lower	Upper
93	100		
66	39.6	31.8	47.8
65	19.7	15.4	23.0



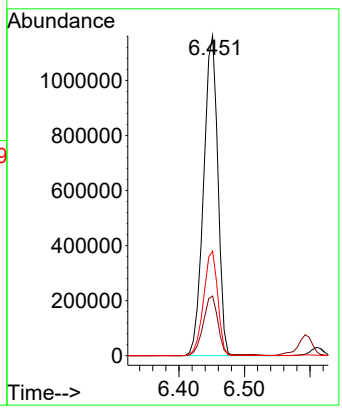


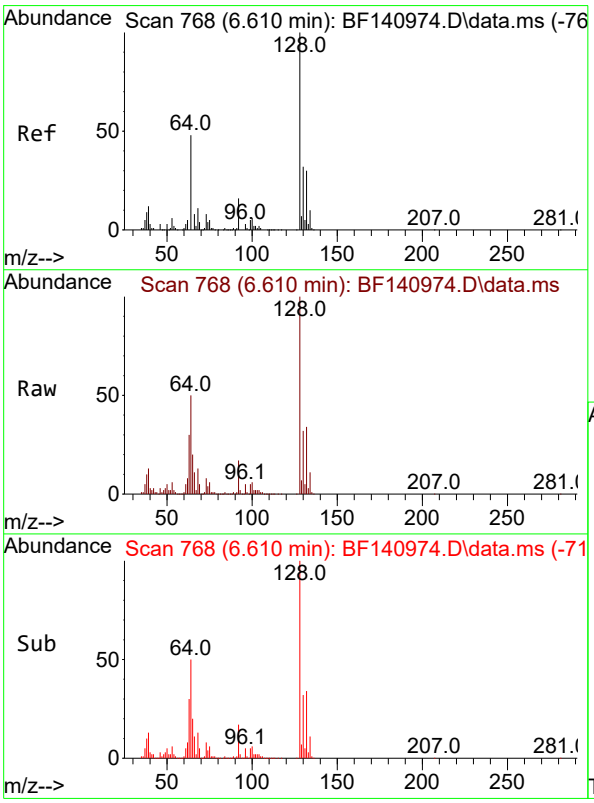
#7
Phenol-d6
Concen: 82.856 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1760717

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.4
71	32.7	26.2	39.2

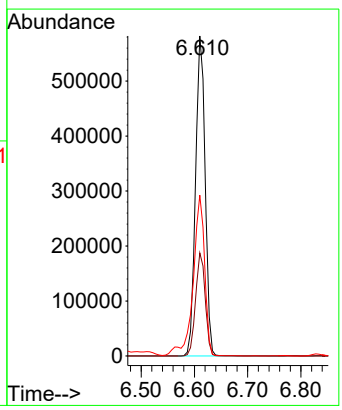


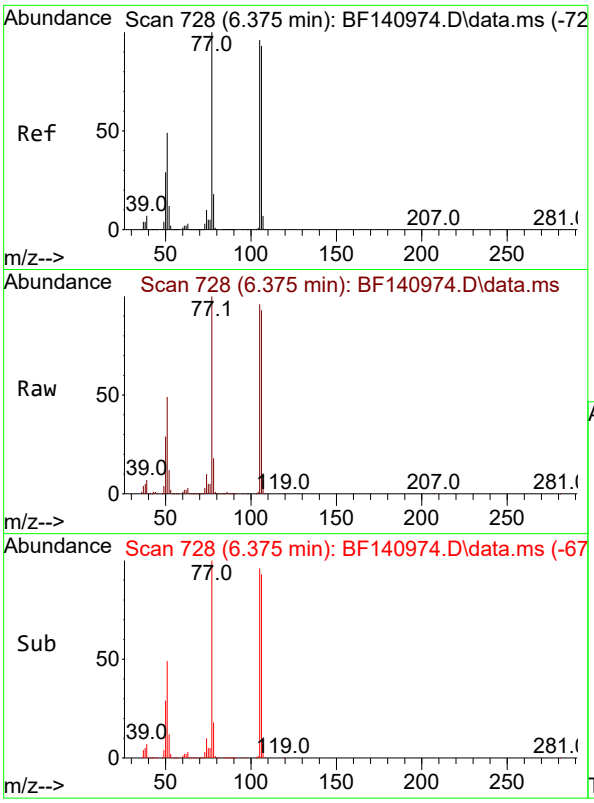


#8
2-Chlorophenol
Concen: 41.852 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:128 Resp: 732249

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.2	52.2
64	50.3	30.3	70.3



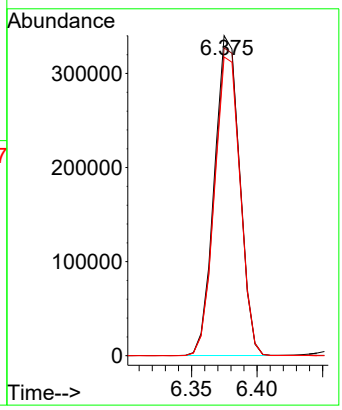


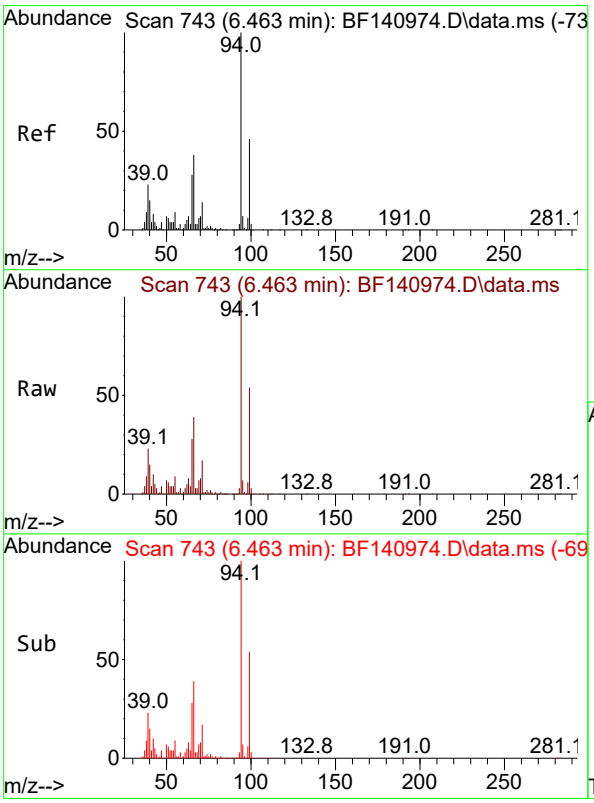
#9
Benzaldehyde
Concen: 38.627 ng
RT: 6.375 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 454816

Ion	Ratio	Lower	Upper
77	100		
105	96.2	76.2	116.2
106	93.4	73.4	113.4

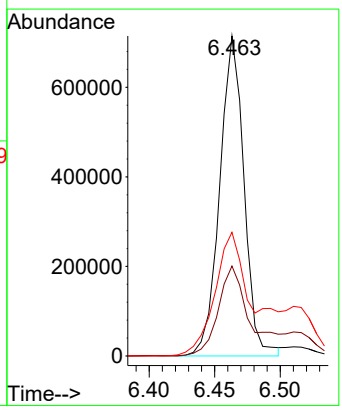


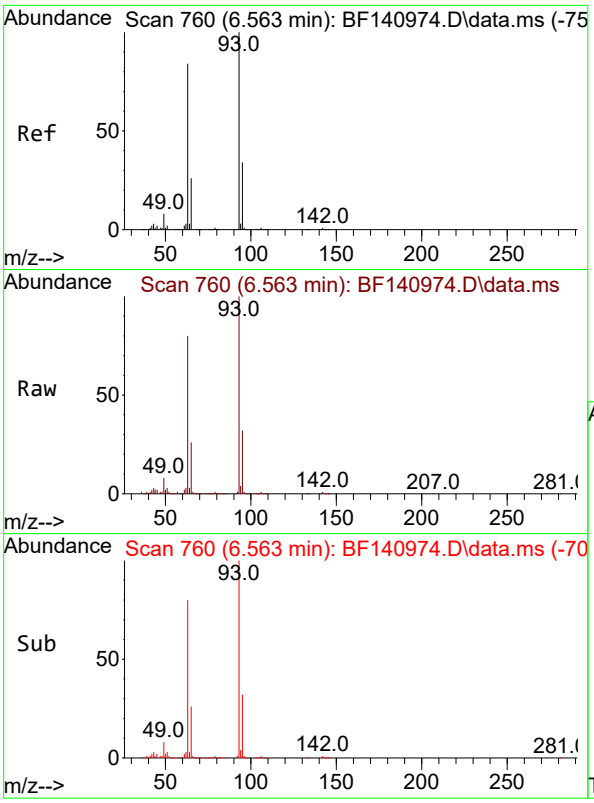


#10
Phenol
Concen: 41.827 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 94 Resp: 921228

Ion	Ratio	Lower	Upper
94	100		
65	28.1	8.1	48.1
66	38.7	18.7	58.7



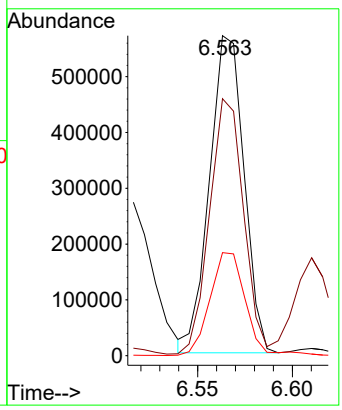


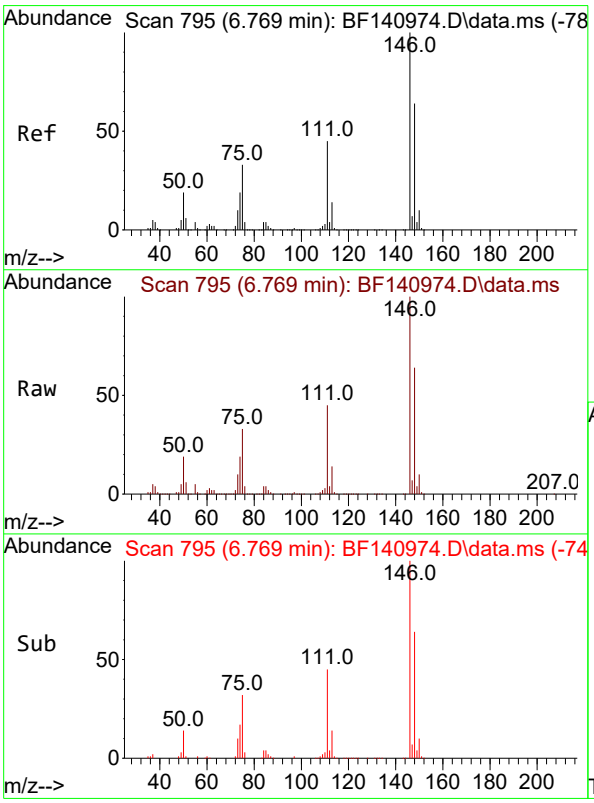
#11
bis(2-Chloroethyl)ether
Concen: 43.833 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 719951

Ion	Ratio	Lower	Upper
93	100		
63	80.3	60.3	100.3
95	32.2	12.2	52.2

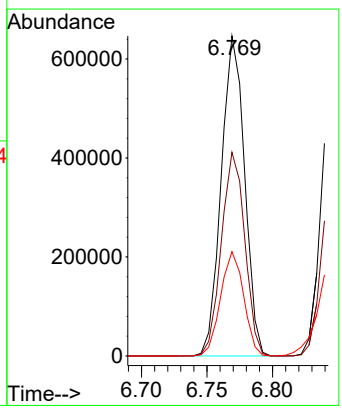


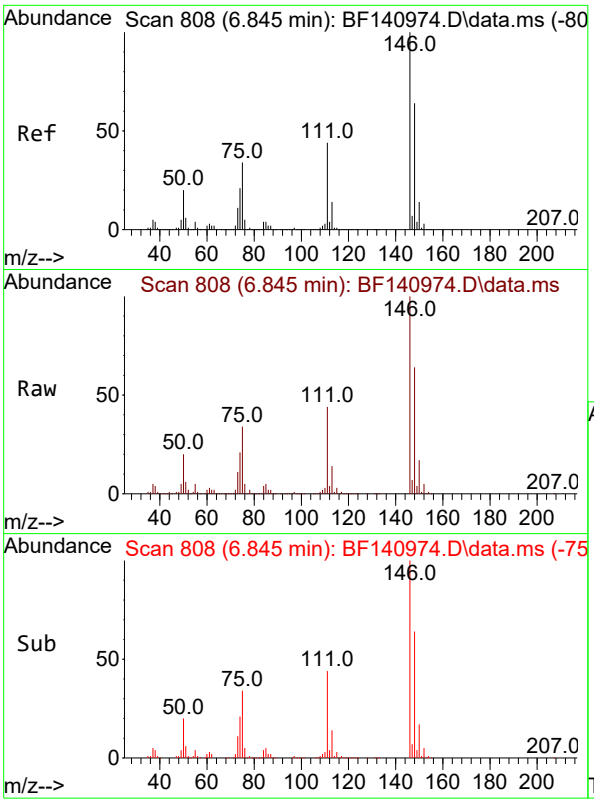


#12
1,3-Dichlorobenzene
Concen: 40.155 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:146 Resp: 800536

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
75	32.6	26.1	39.1



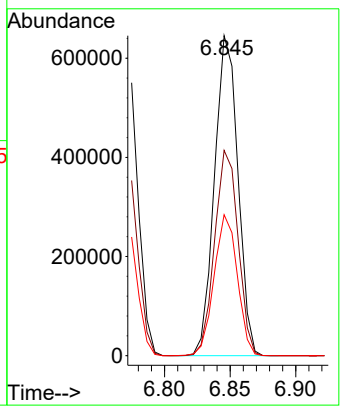


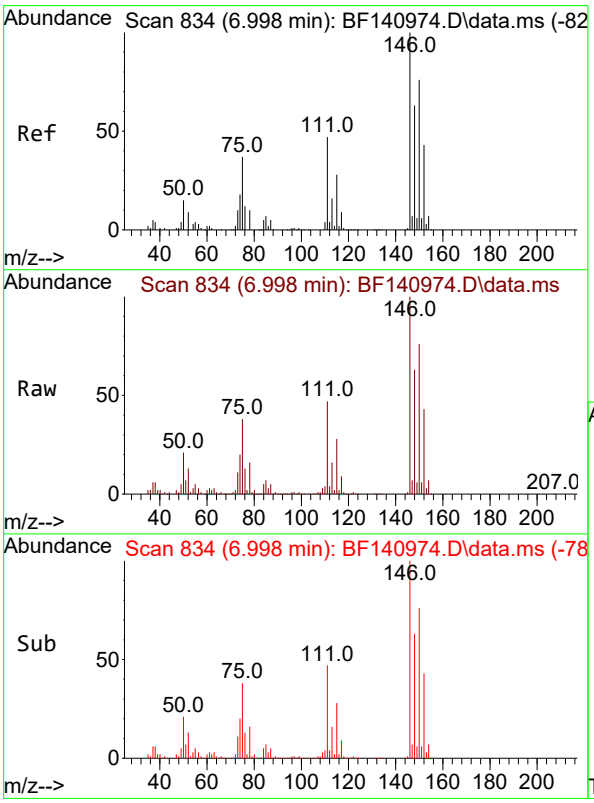
#13
1,4-Dichlorobenzene
Concen: 39.592 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 801219

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
111	44.1	35.3	52.9

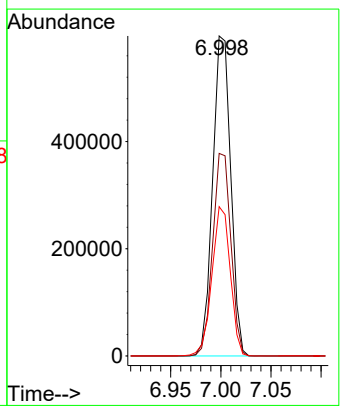


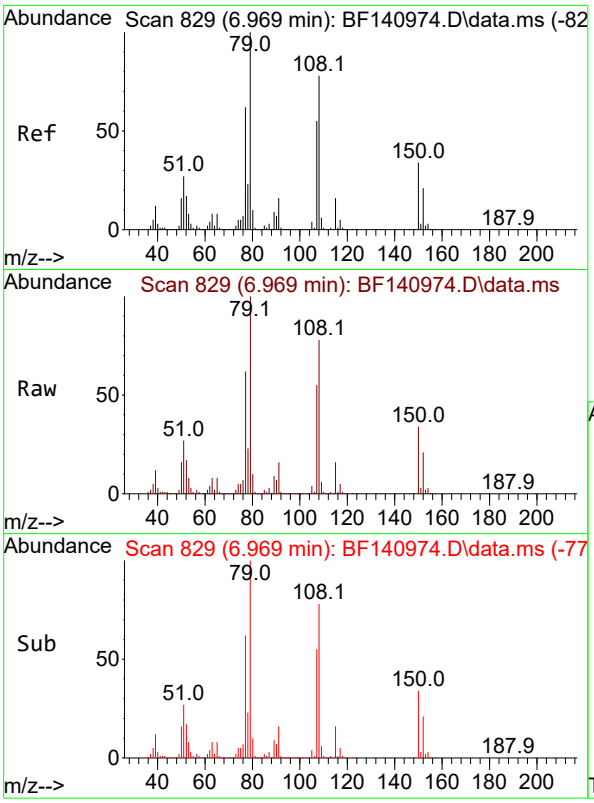


#14
1,2-Dichlorobenzene
Concen: 39.186 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:146 Resp: 748204

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
111	46.6	37.3	55.9



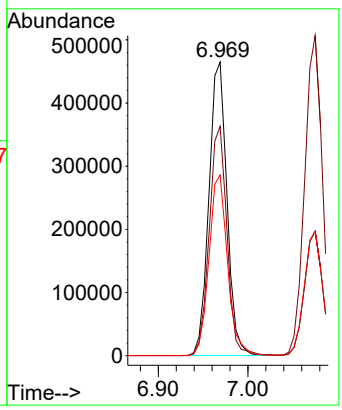


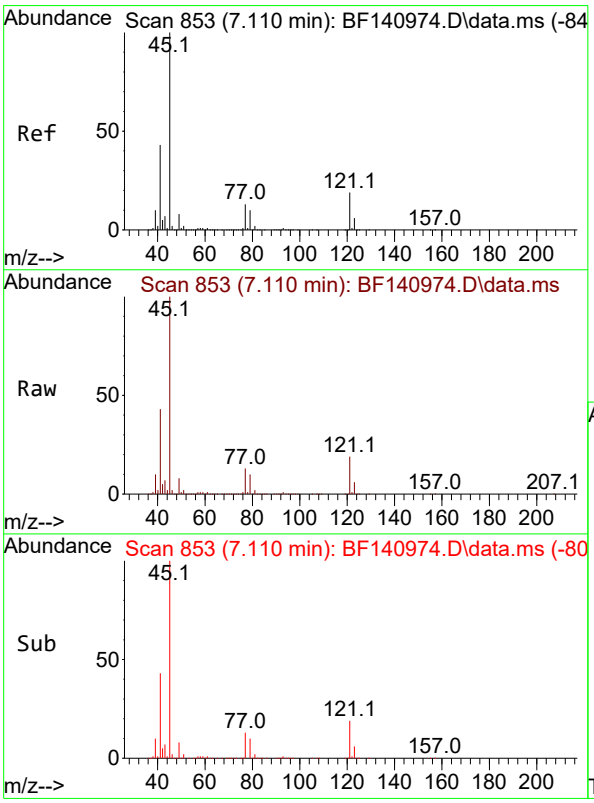
#15
Benzyl Alcohol
Concen: 42.622 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 647599

Ion	Ratio	Lower	Upper
79	100		
108	78.1	62.5	93.7
77	61.6	49.3	73.9

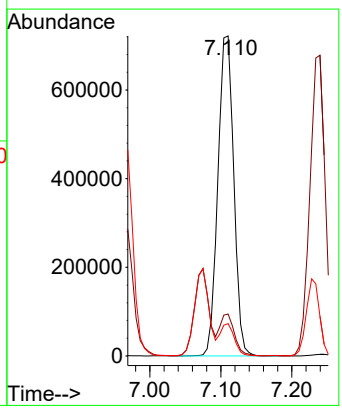


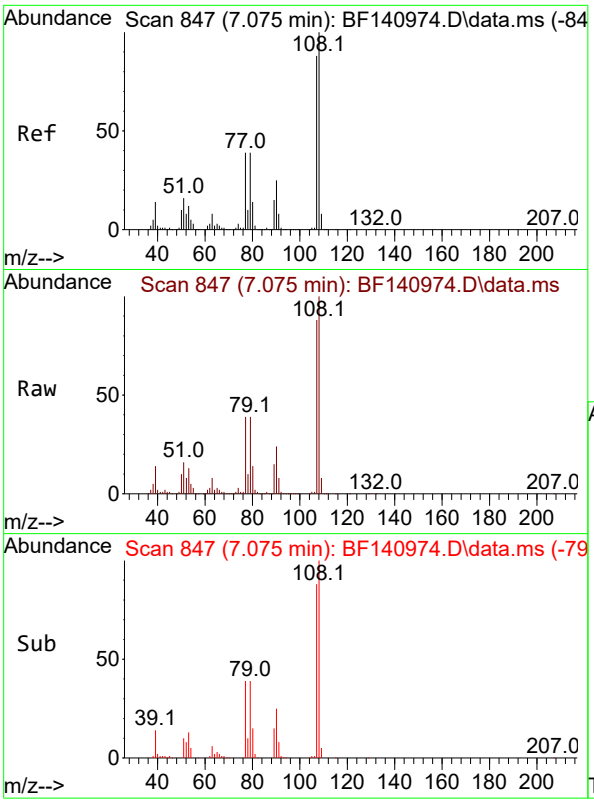


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.646 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 45 Resp: 1115398

Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	33.1
79	10.1	0.0	30.1



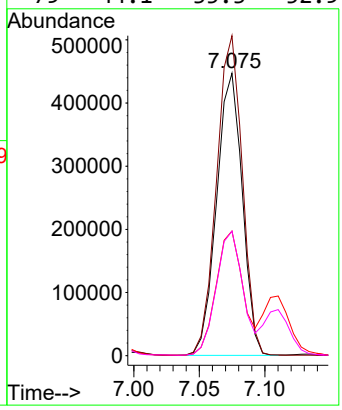


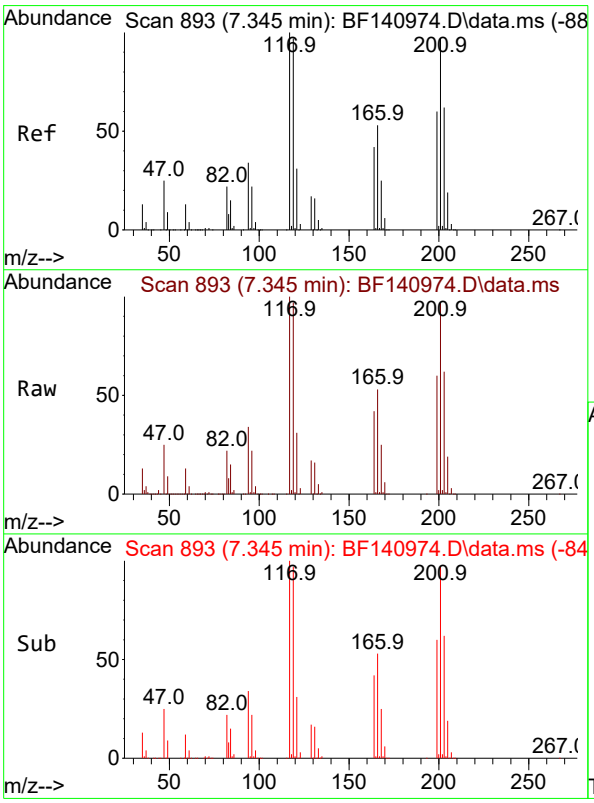
#17
2-Methylphenol
Concen: 43.542 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 608223

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	136.0
77	44.1	35.3	52.9
79	44.1	35.3	52.9

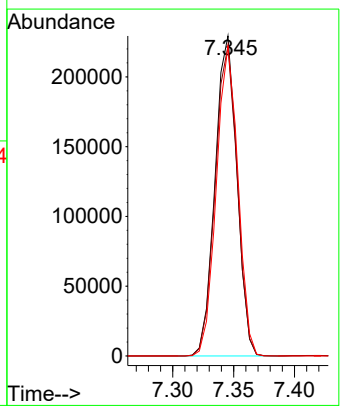


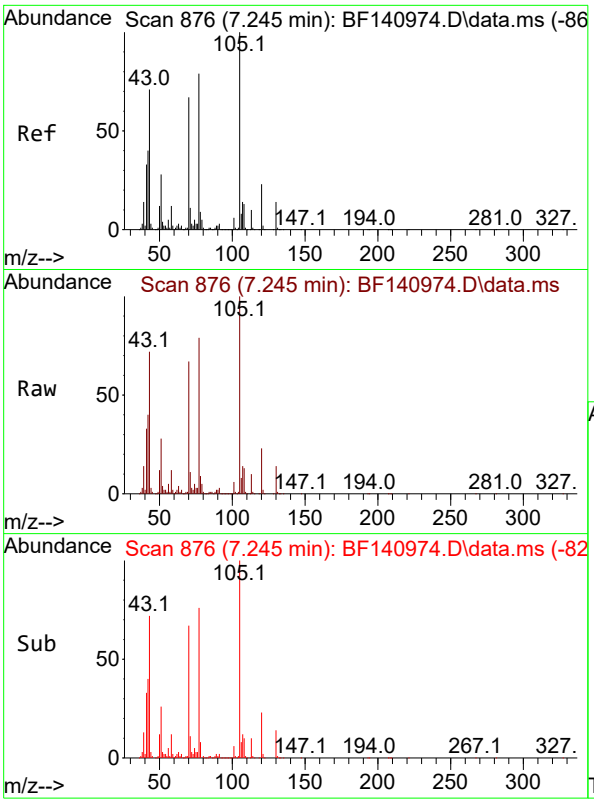


#18
Hexachloroethane
Concen: 38.134 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:117 Resp: 287289

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
201	96.8	77.4	116.2



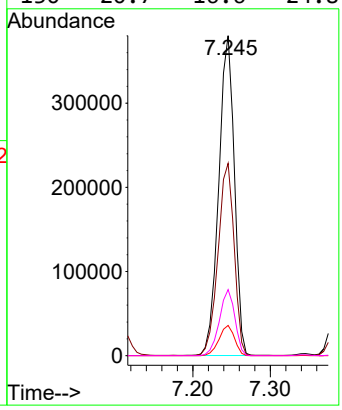


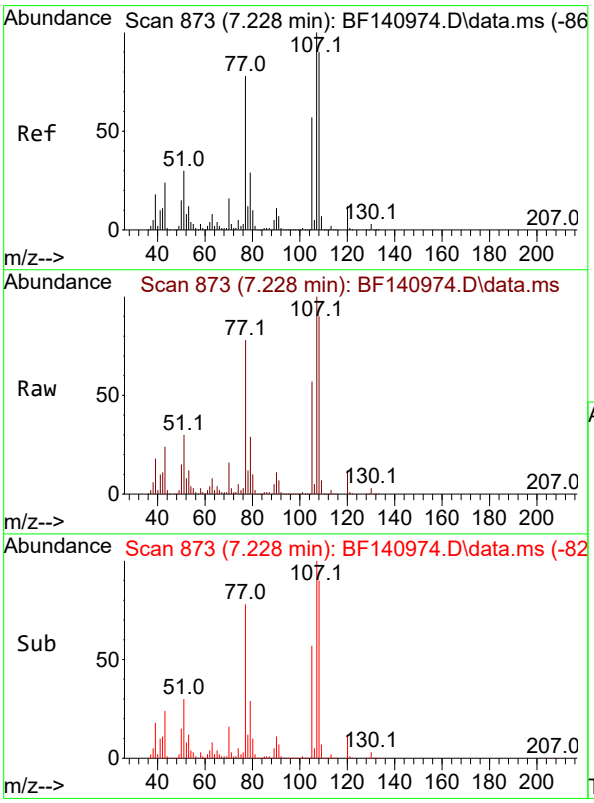
#19
n-Nitroso-di-n-propylamine
Concen: 41.757 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 532284

Ion	Ratio	Lower	Upper
70	100		
42	60.1	48.1	72.1
101	9.5	7.6	11.4
130	20.7	16.6	24.8

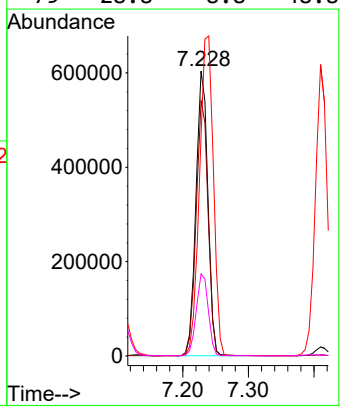


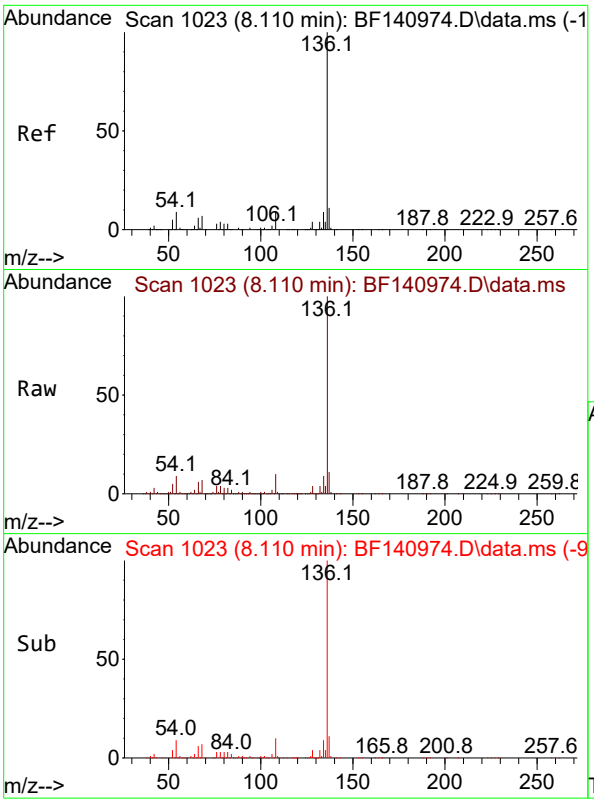


#20
3+4-Methylphenols
Concen: 41.396 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:107 Resp: 766762

Ion	Ratio	Lower	Upper
107	100		
108	89.6	69.6	109.6
77	77.6	57.6	97.6
79	28.8	8.8	48.8



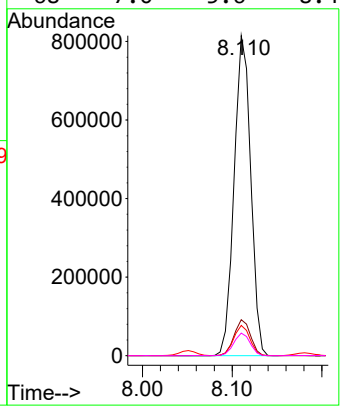


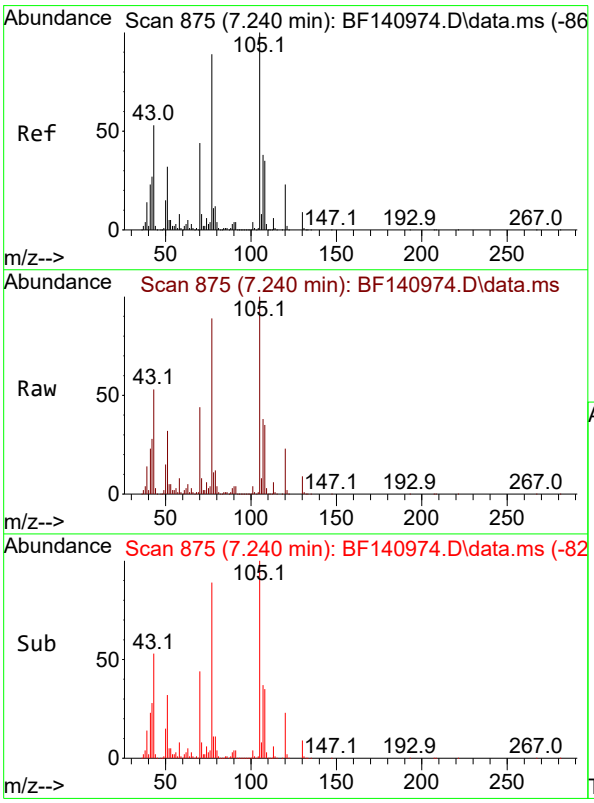
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1047016

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.5	7.6	11.4
68	7.0	5.6	8.4

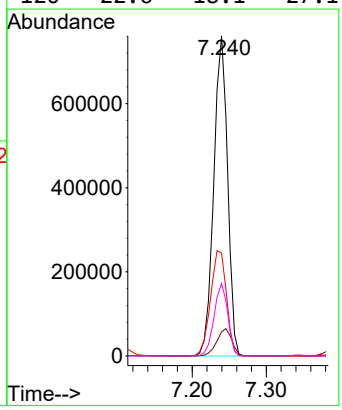


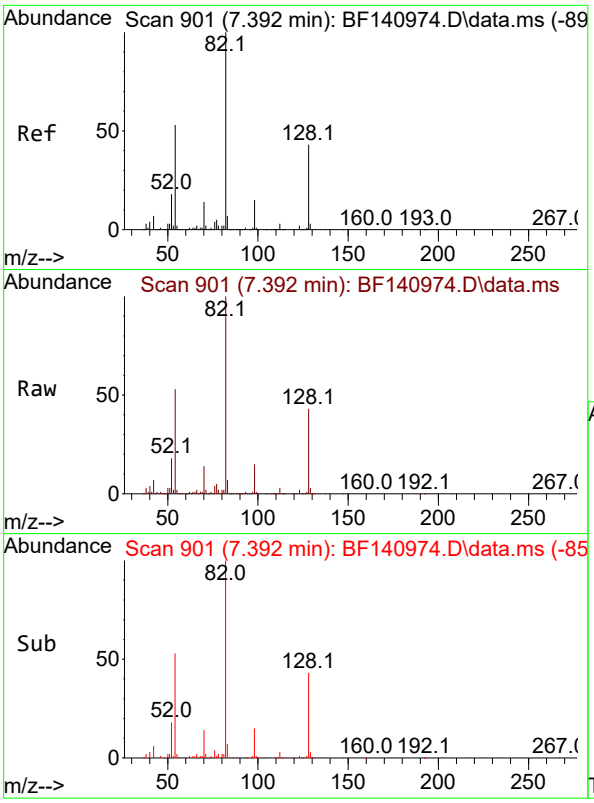


#22
Acetophenone
Concen: 37.563 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:105 Resp: 983828

Ion	Ratio	Lower	Upper
105	100		
71	7.6	6.1	9.1
51	32.2	25.8	38.6
120	22.6	18.1	27.1



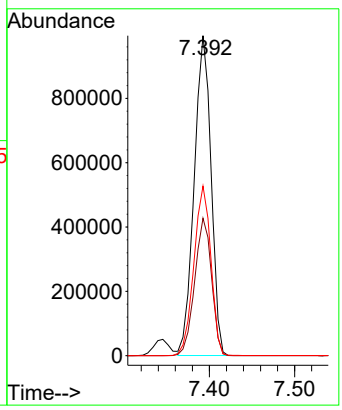


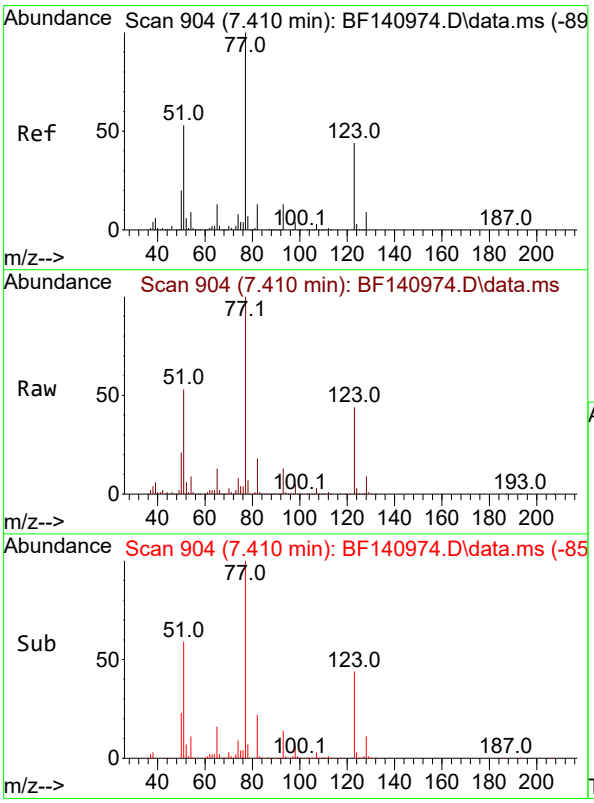
#23
Nitrobenzene-d5
Concen: 65.367 ng
RT: 7.392 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1367946

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.4	51.6
54	53.0	42.4	63.6

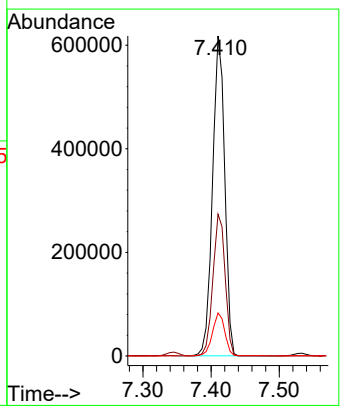


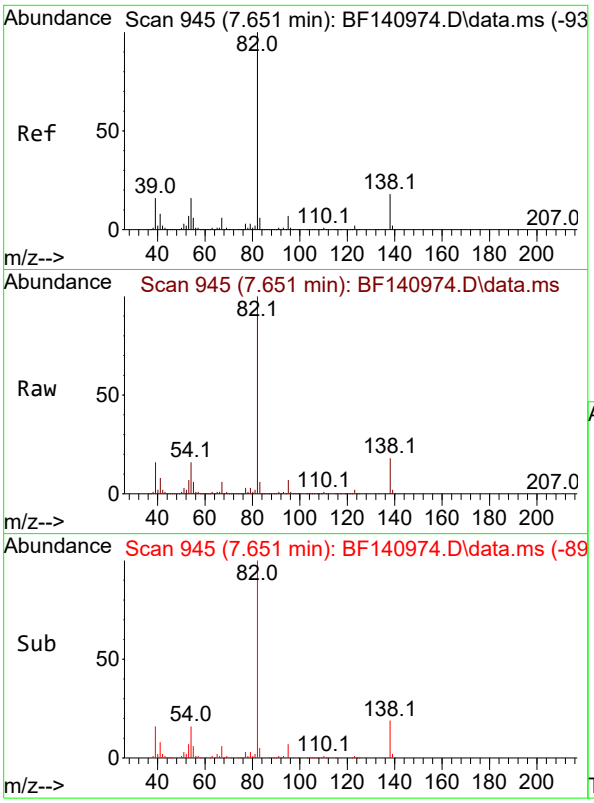


#24
Nitrobenzene
Concen: 35.798 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 77 Resp: 767486

Ion	Ratio	Lower	Upper
77	100		
123	44.3	35.4	53.2
65	13.4	10.7	16.1



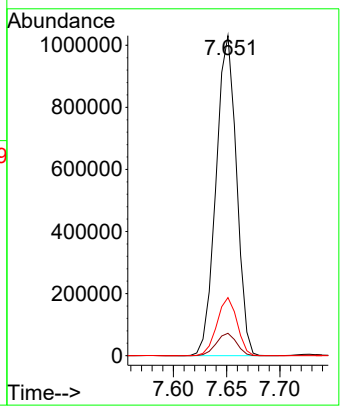


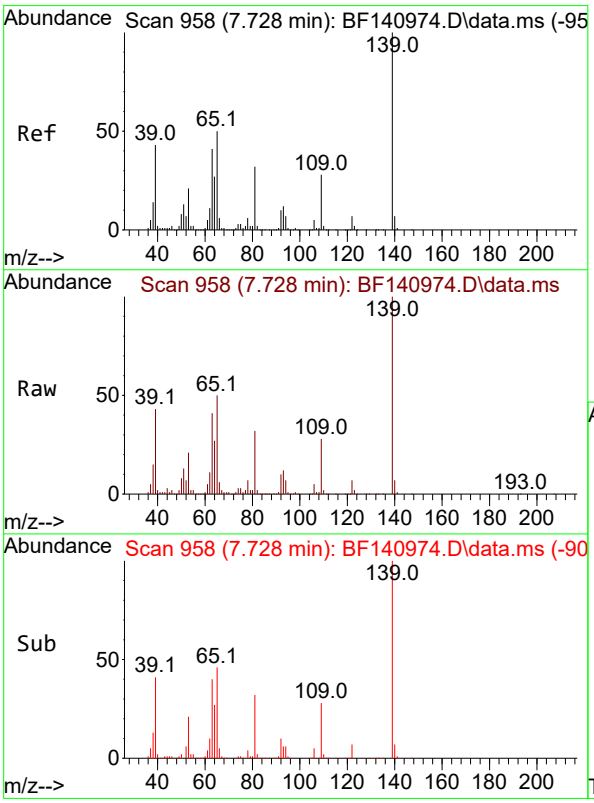
#25
Isophorone
Concen: 39.208 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1374822

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	18.2	14.6	21.8

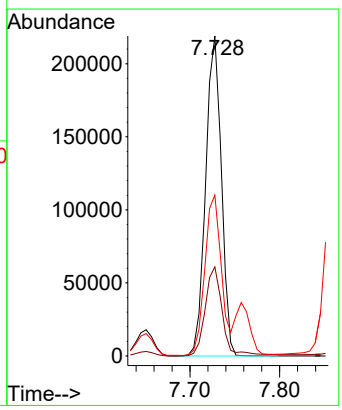


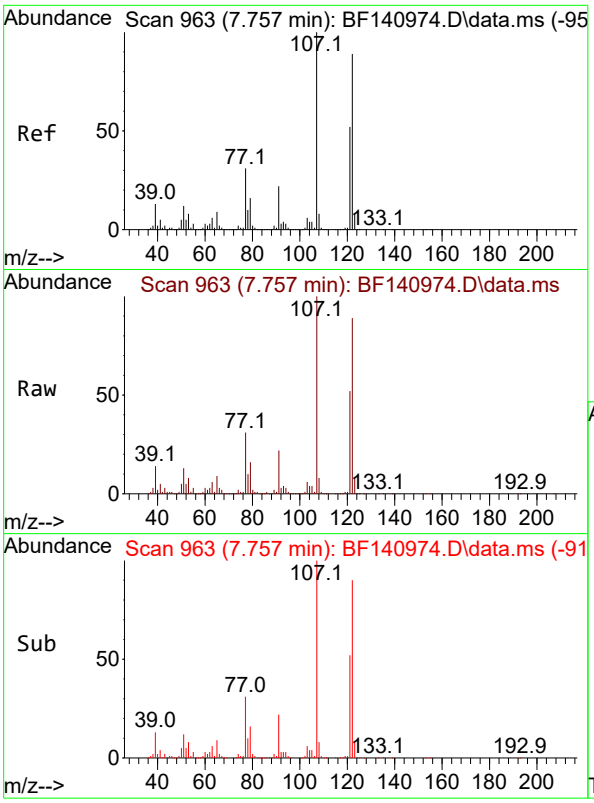


#26
2-Nitrophenol
Concen: 26.959 ng
RT: 7.728 min Scan# 958
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:139 Resp: 266201

Ion	Ratio	Lower	Upper
139	100		
109	27.8	22.2	33.4
65	50.3	40.2	60.4



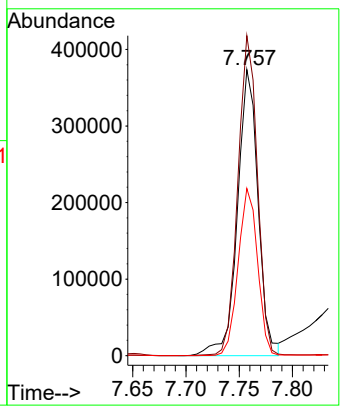


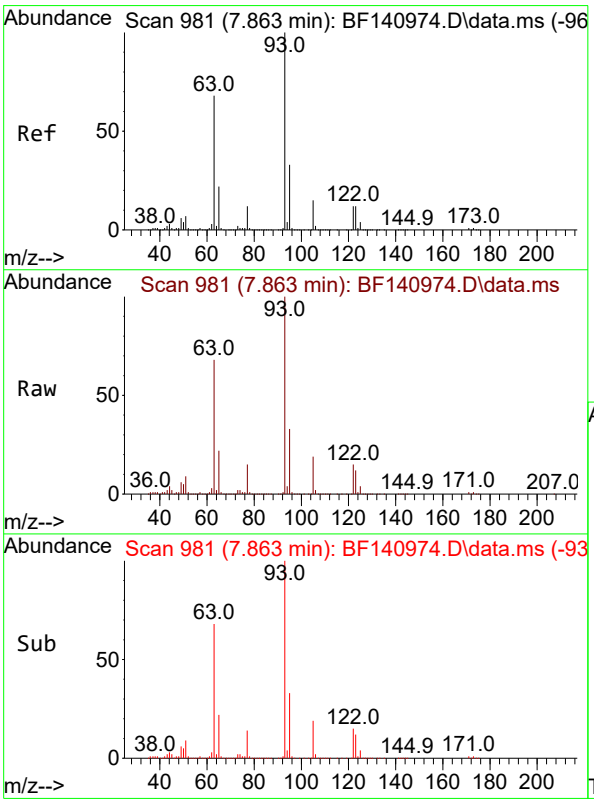
#27
2,4-Dimethylphenol
Concen: 43.851 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 505676

Ion	Ratio	Lower	Upper
122	100		
107	111.8	89.4	134.2
121	58.4	46.7	70.1

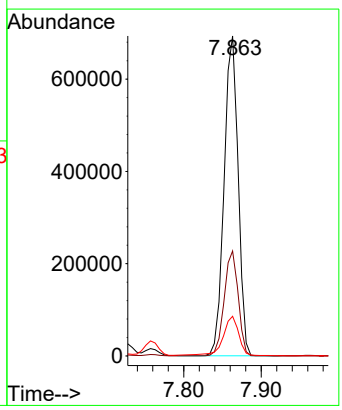


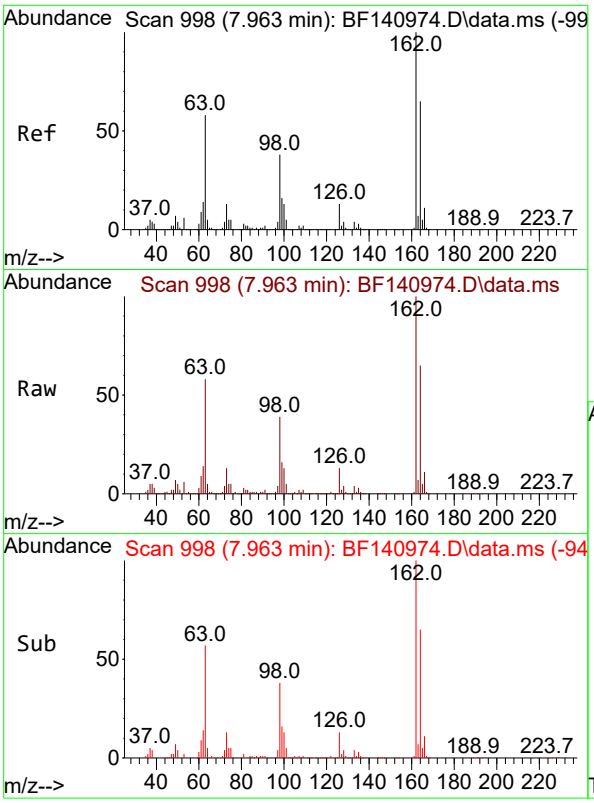


#28
bis(2-Chloroethoxy)methane
Concen: 39.705 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 93 Resp: 869568

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	12.4	9.9	14.9



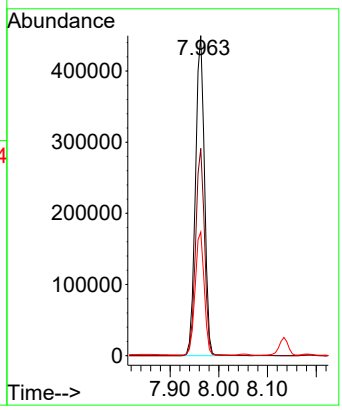


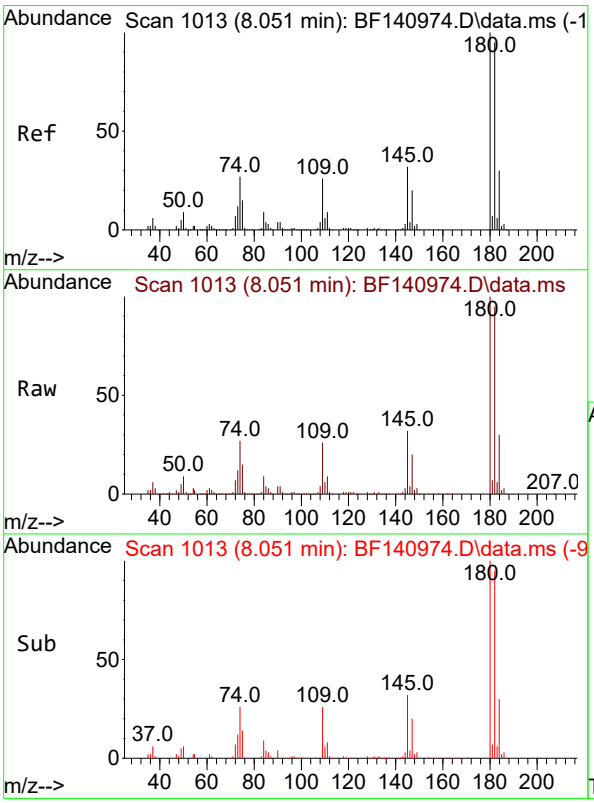
#29
2,4-Dichlorophenol
Concen: 36.567 ng
RT: 7.963 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 582167

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.8	84.8
98	38.6	18.6	58.6

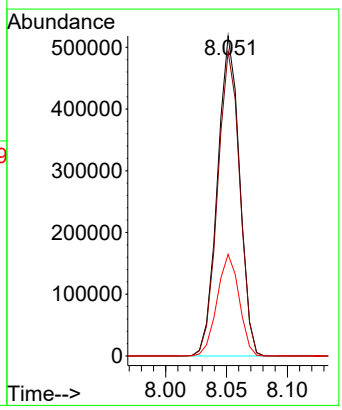


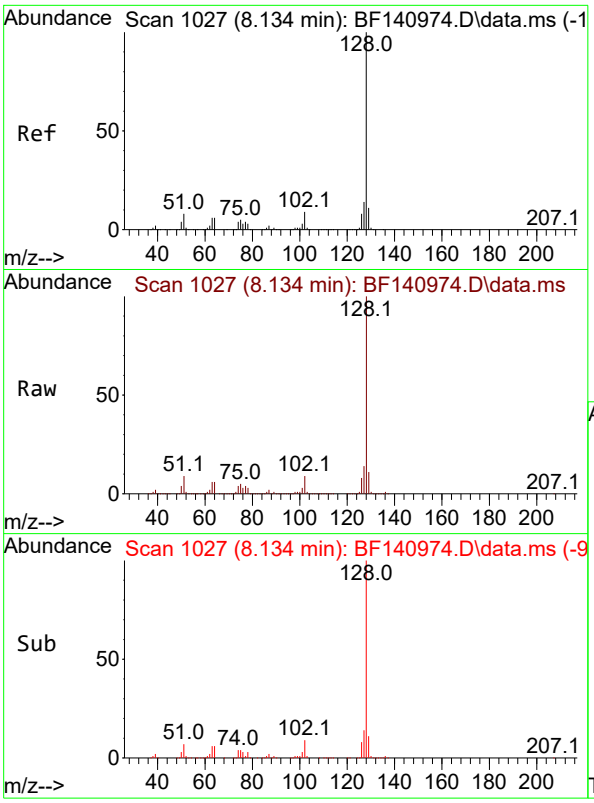


#30
1,2,4-Trichlorobenzene
Concen: 35.836 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:180 Resp: 654033

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	31.8	25.4	38.2



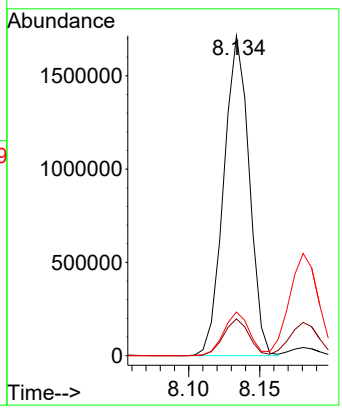


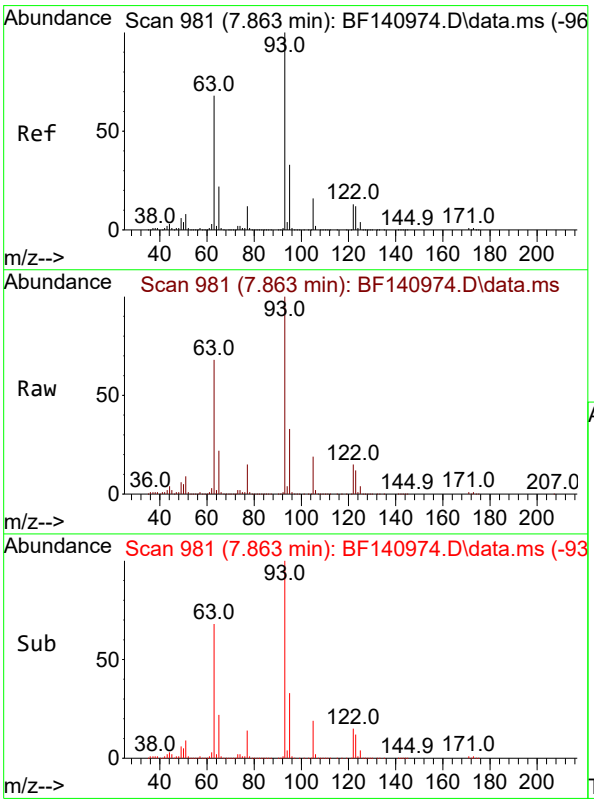
#31
Naphthalene
Concen: 37.141 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2136130

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.7	11.0	16.4

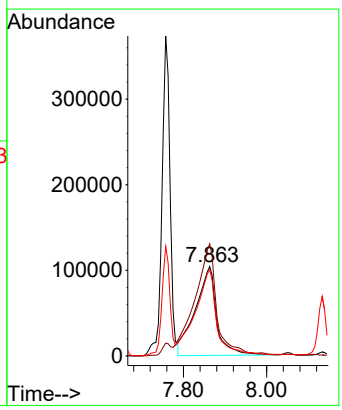


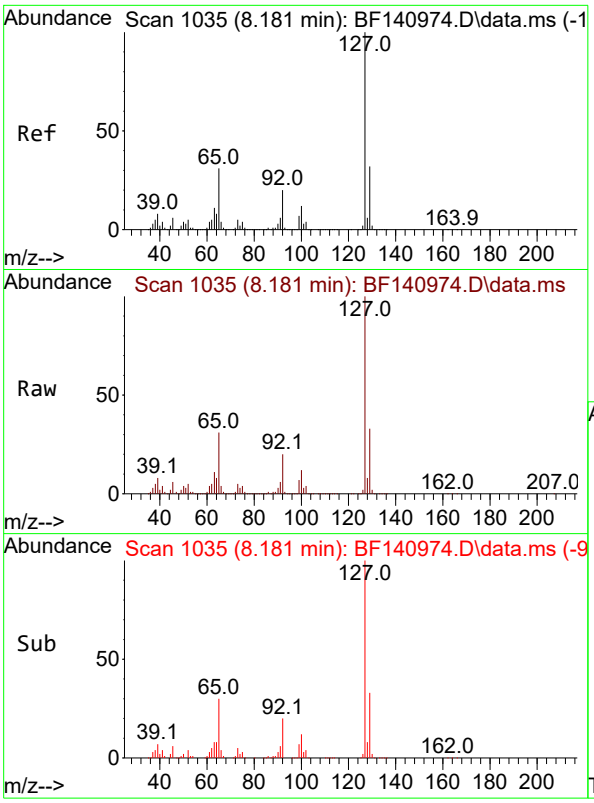


#32
Benzoic acid
Concen: 34.077 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:122 Resp: 372684

Ion	Ratio	Lower	Upper
122	100		
105	125.4	105.4	145.4
77	96.4	76.4	116.4



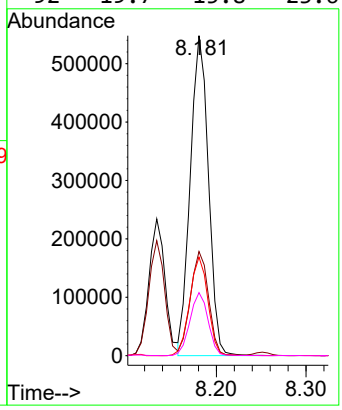


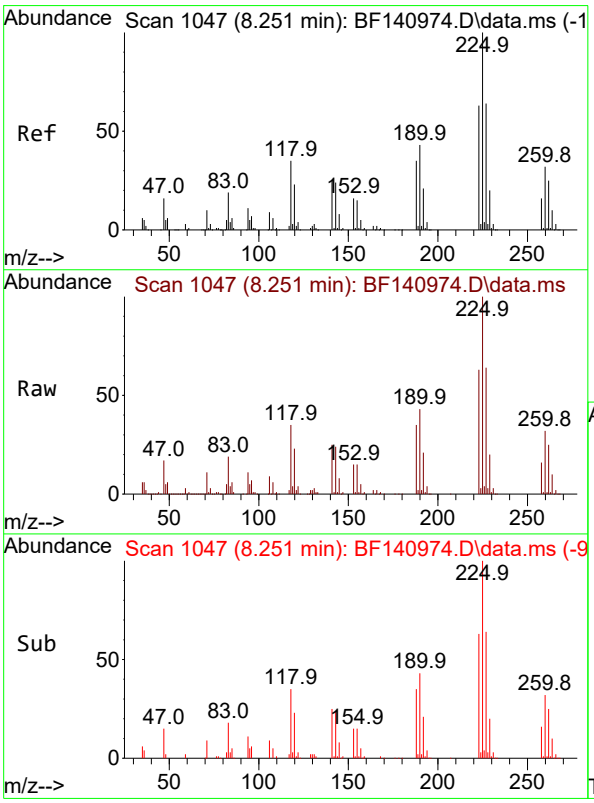
#33
4-Chloroaniline
Concen: 40.209 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 768068

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	30.8	24.6	37.0
92	19.7	15.8	23.6

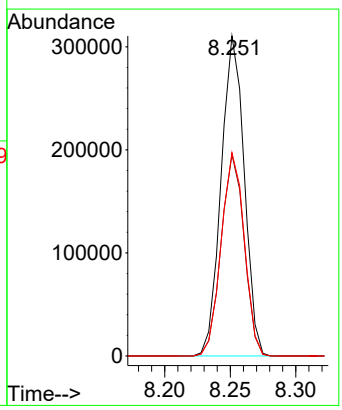


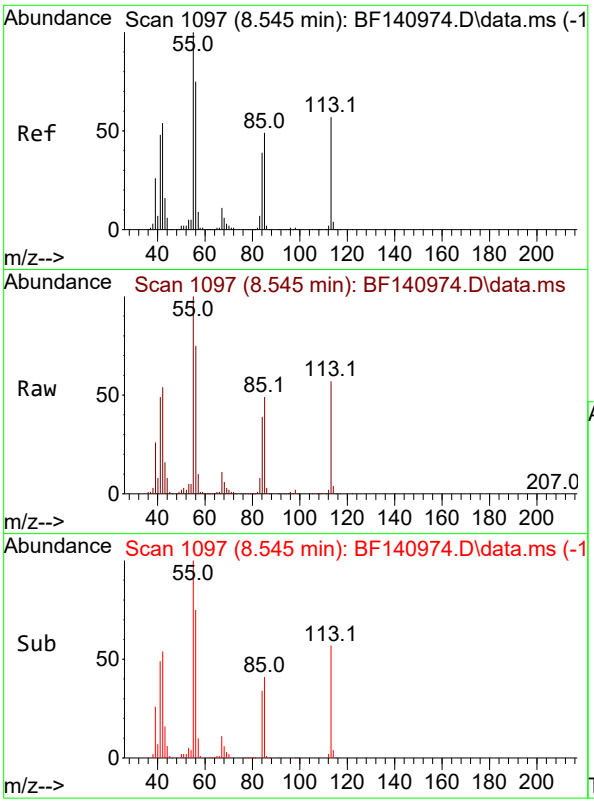


#34
Hexachlorobutadiene
Concen: 30.955 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:225 Resp: 380095

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	63.5	50.8	76.2



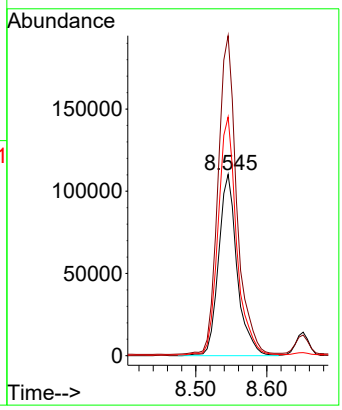


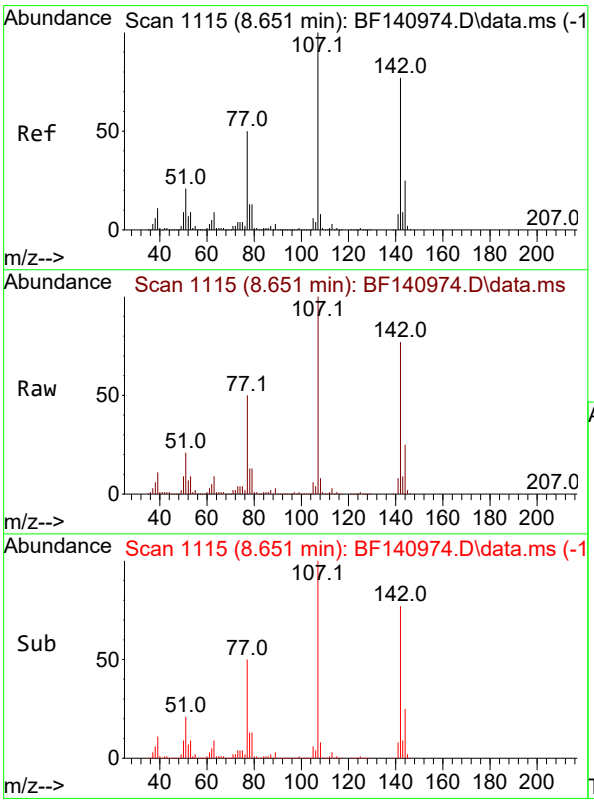
#35
Caprolactam
Concen: 41.915 ng
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 198661

Ion	Ratio	Lower	Upper
113	100		
55	176.6	156.6	196.6
56	131.7	111.7	151.7

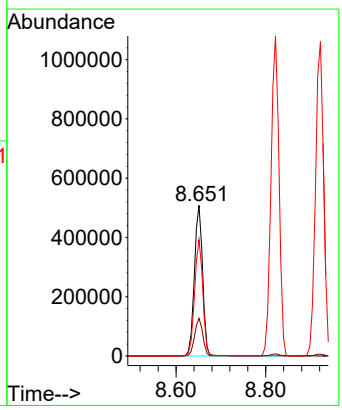


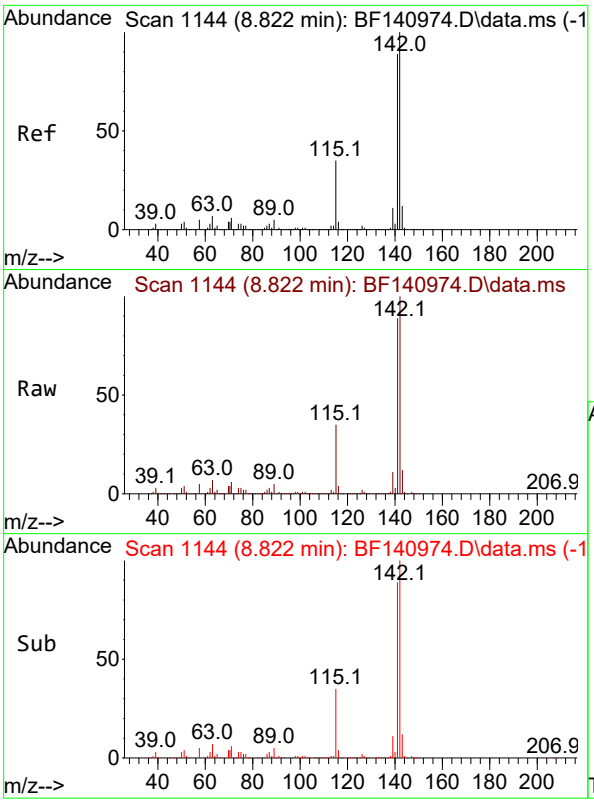


#36
4-Chloro-3-methylphenol
Concen: 36.076 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:107 Resp: 646441

Ion	Ratio	Lower	Upper
107	100		
144	24.9	19.9	29.9
142	77.3	61.8	92.8



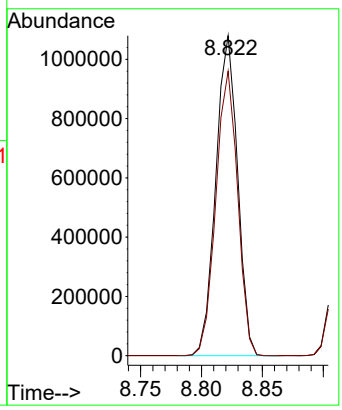


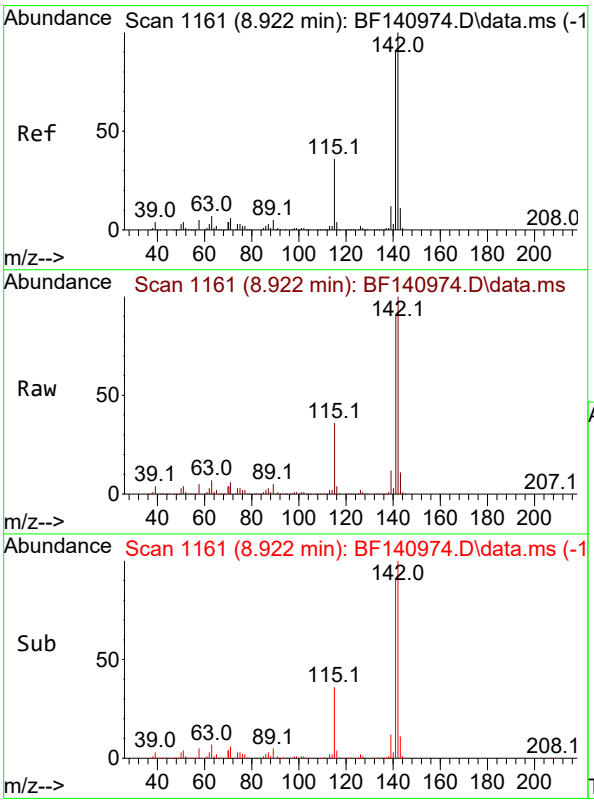
#37
2-Methylnaphthalene
Concen: 35.325 ng
RT: 8.822 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1343941

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.1	106.7

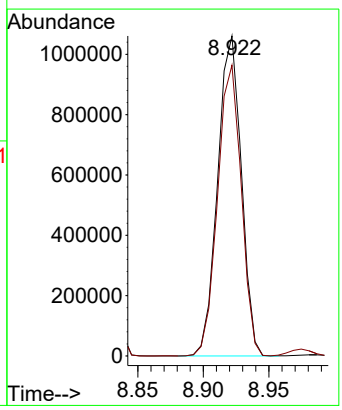


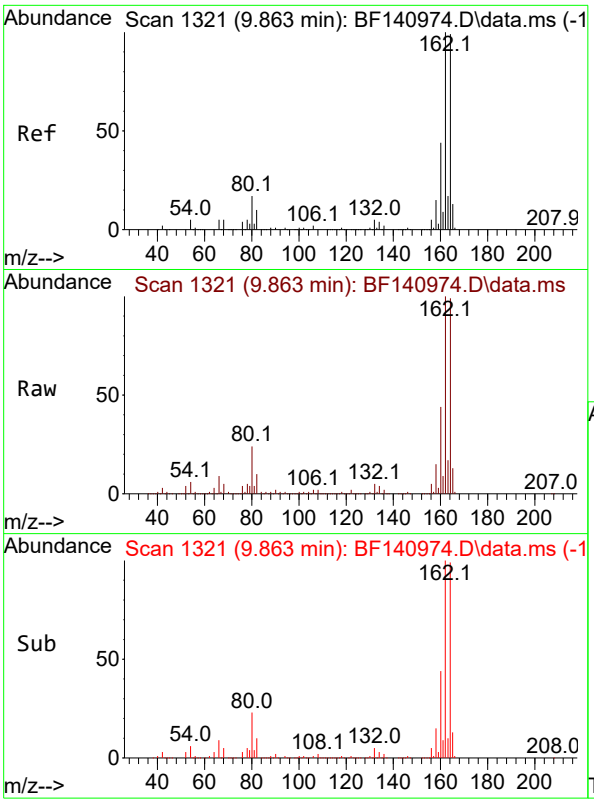


#38
1-Methylnaphthalene
Concen: 35.358 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:142 Resp: 1330393

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.7	109.1



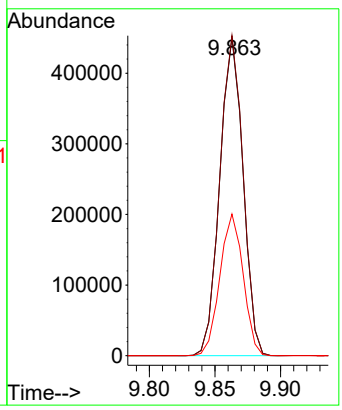


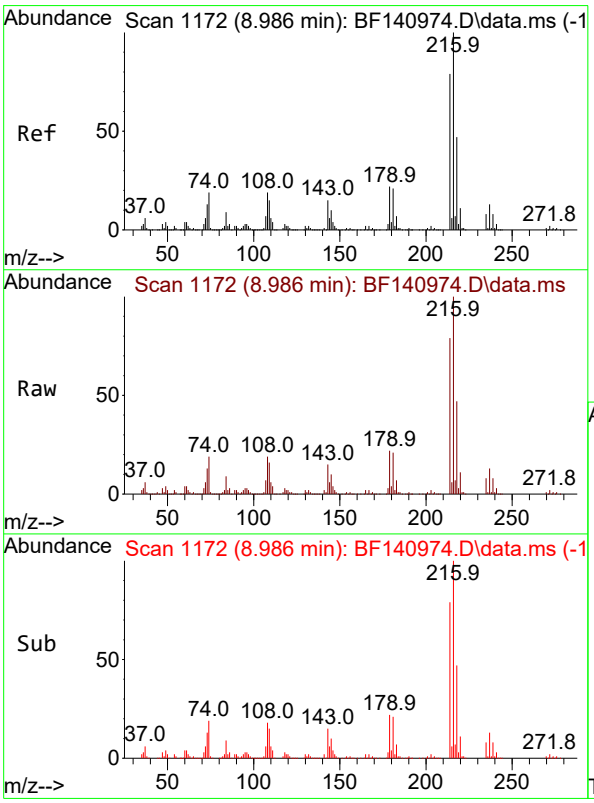
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 555398

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.6	35.7	53.5

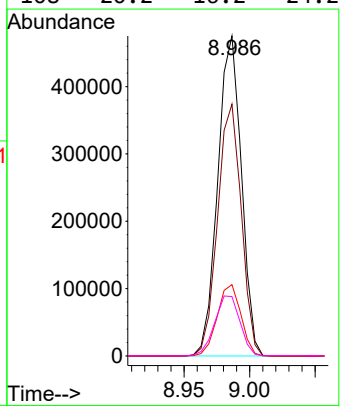


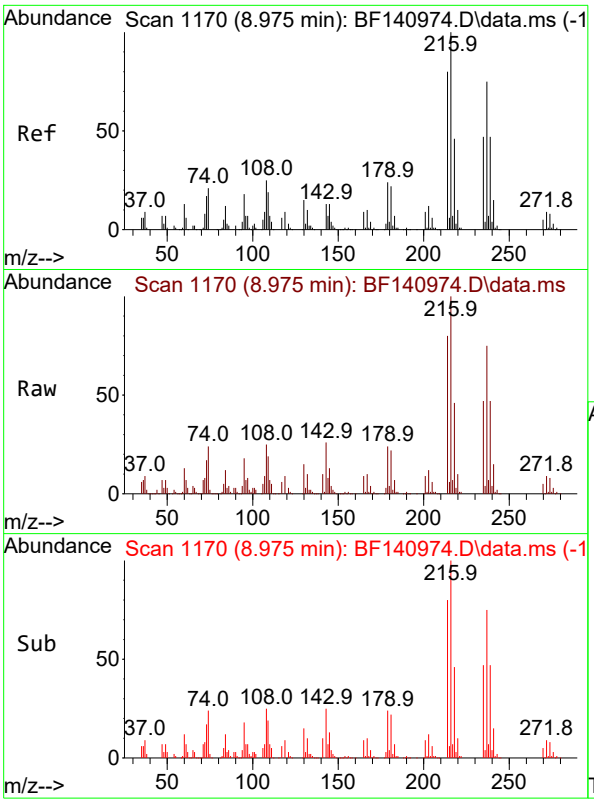


#40
1,2,4,5-Tetrachlorobenzene
Concen: 34.834 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:216 Resp: 594643

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.6
179	22.4	17.9	26.9
108	20.2	16.2	24.2



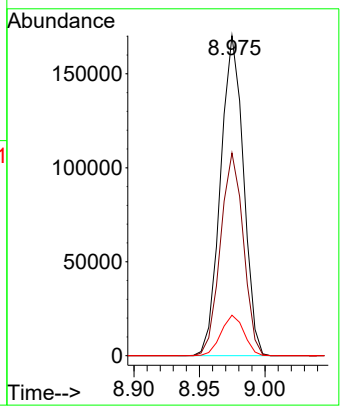


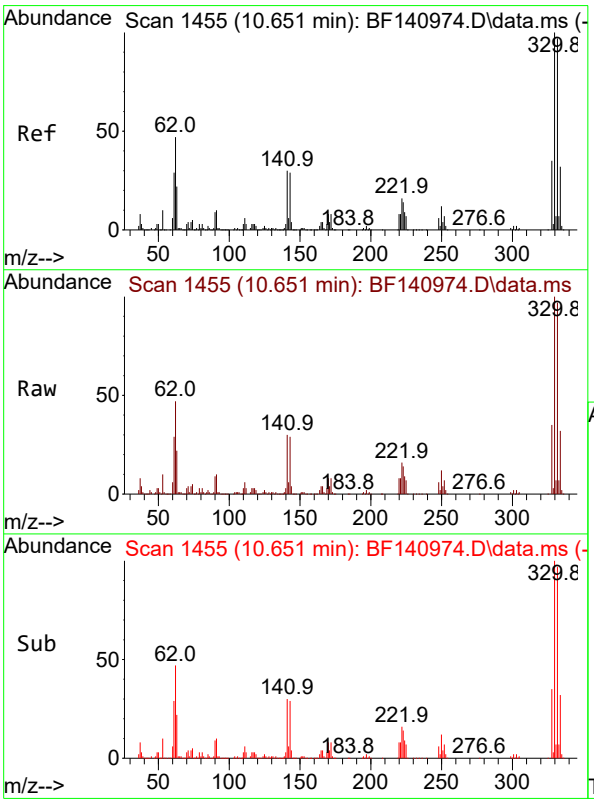
#41
Hexachlorocyclopentadiene
Concen: 48.627 ng
RT: 8.975 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 207209

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.4	83.4
272	12.6	0.0	32.6

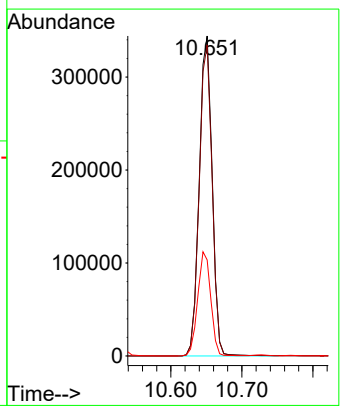


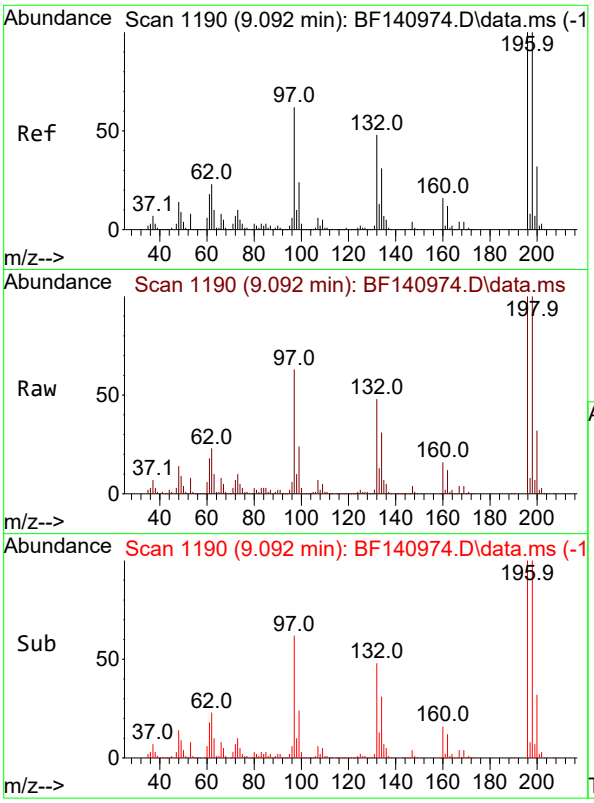


#42
2,4,6-Tribromophenol
Concen: 66.330 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:330 Resp: 435705

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	33.0	26.4	39.6



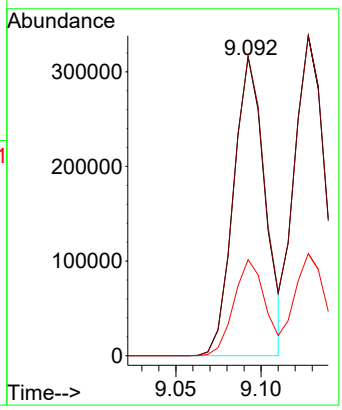


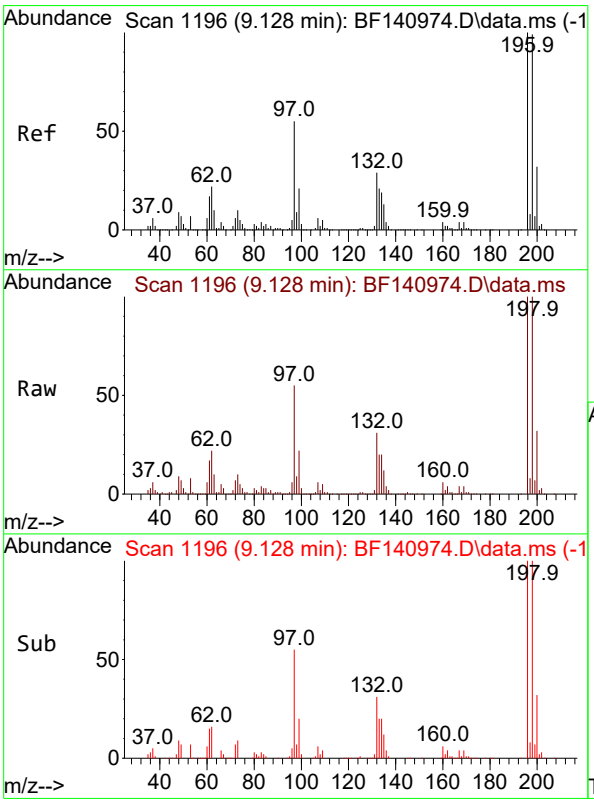
#43
2,4,6-Trichlorophenol
Concen: 38.663 ng
RT: 9.092 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 404147

Ion	Ratio	Lower	Upper
196	100		
198	100.3	80.2	120.4
200	32.2	25.8	38.6

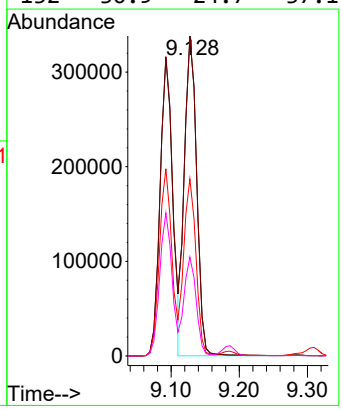


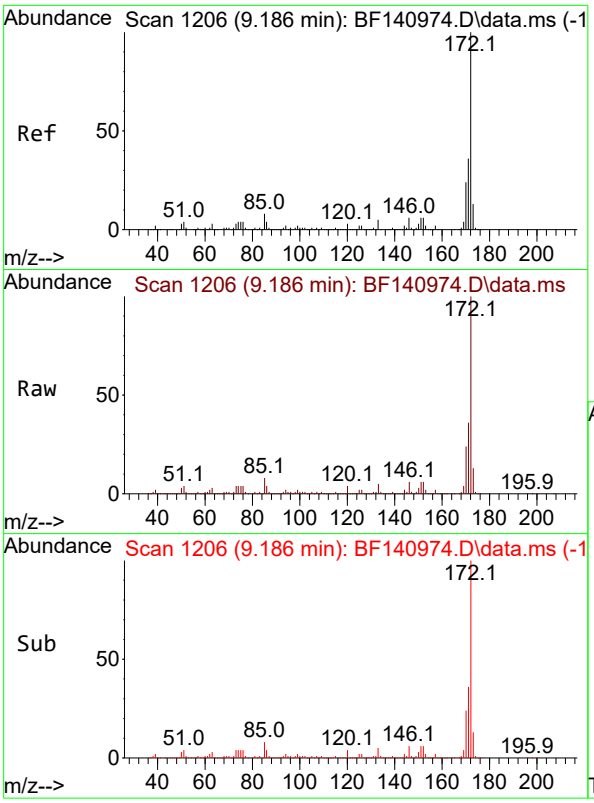


#44
2,4,5-Trichlorophenol
Concen: 36.736 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:196 Resp: 422062

Ion	Ratio	Lower	Upper
196	100		
198	99.9	79.9	119.9
97	55.4	44.3	66.5
132	30.9	24.7	37.1



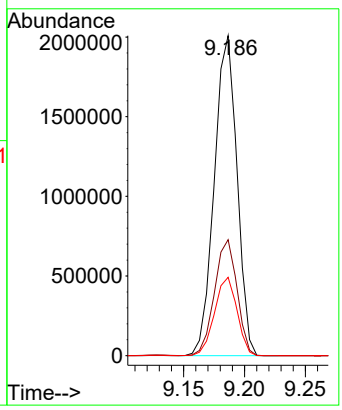


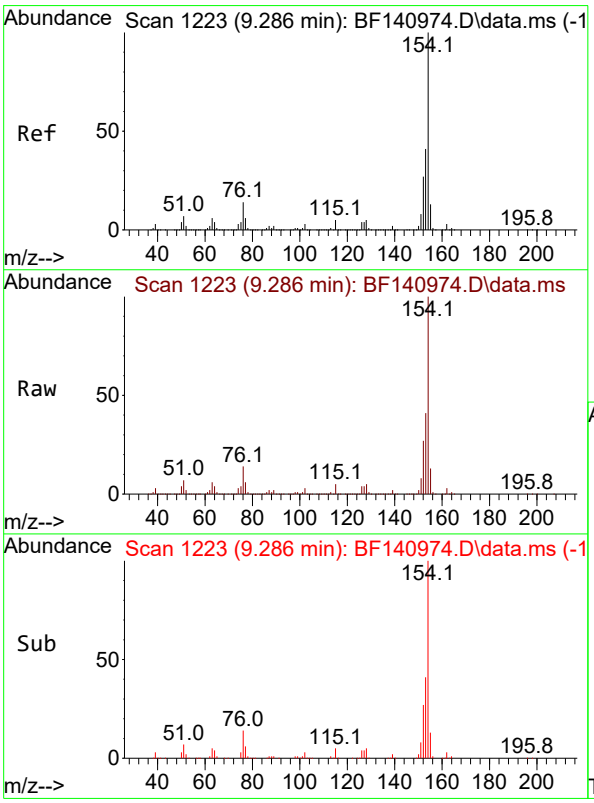
#45
2-Fluorobiphenyl
Concen: 64.609 ng
RT: 9.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 2610026

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.5	19.6	29.4

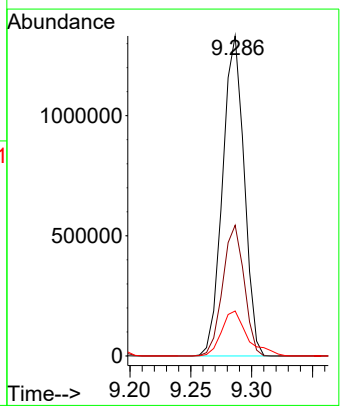


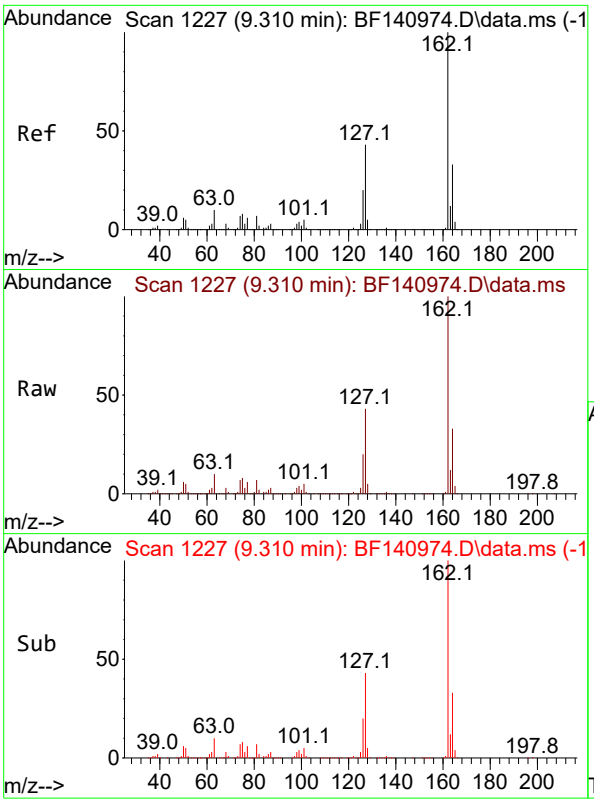


#46
1,1'-Biphenyl
Concen: 37.206 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:154 Resp: 1643157

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.9	60.9
76	14.0	0.0	34.0



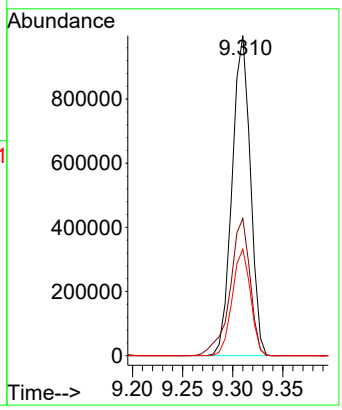


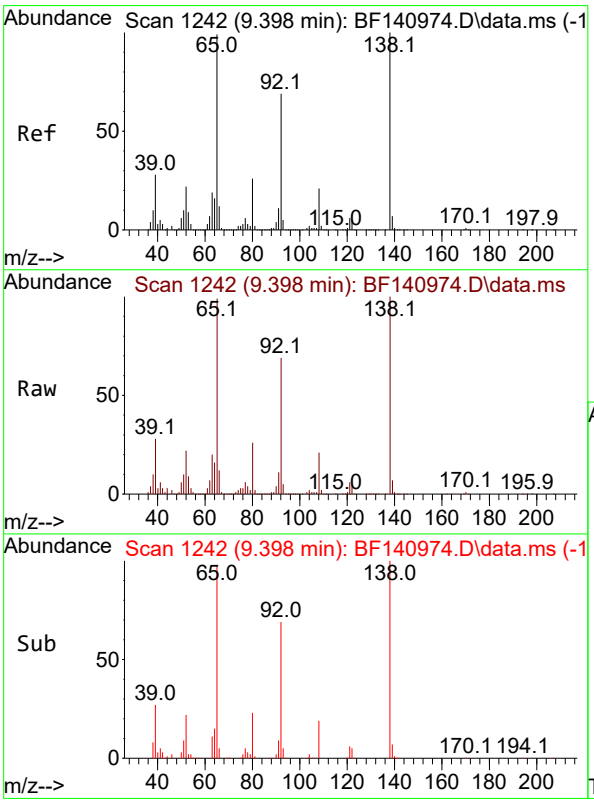
#47
2-Chloronaphthalene
Concen: 37.471 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1266026

Ion	Ratio	Lower	Upper
162	100		
127	42.8	34.2	51.4
164	33.3	26.6	40.0

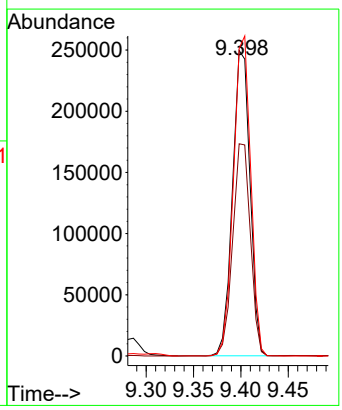


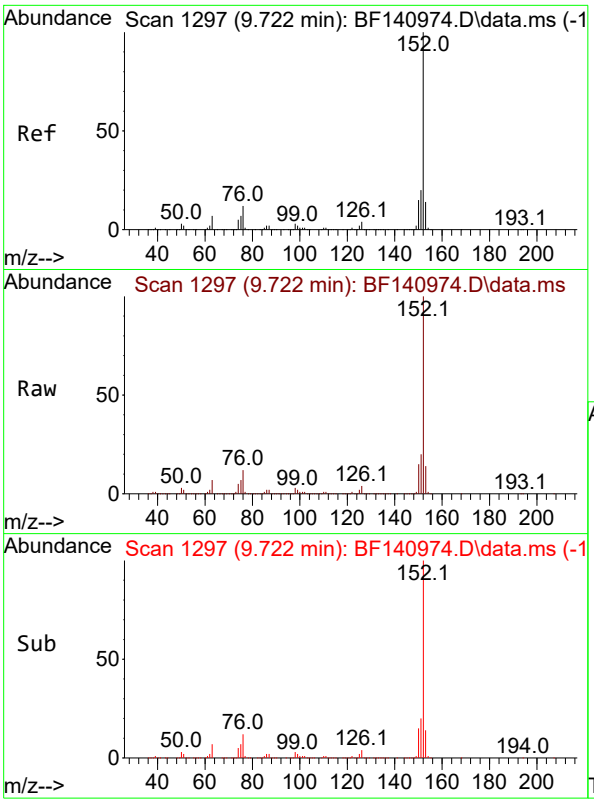


#48
2-Nitroaniline
Concen: 31.356 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 65 Resp: 319958

Ion	Ratio	Lower	Upper
65	100		
92	69.5	55.6	83.4
138	100.6	80.5	120.7



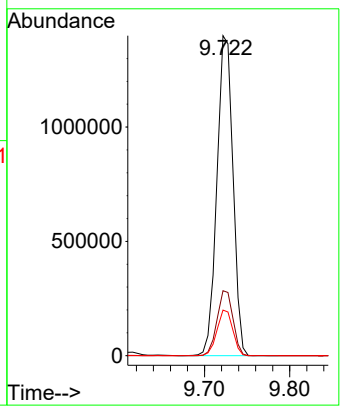


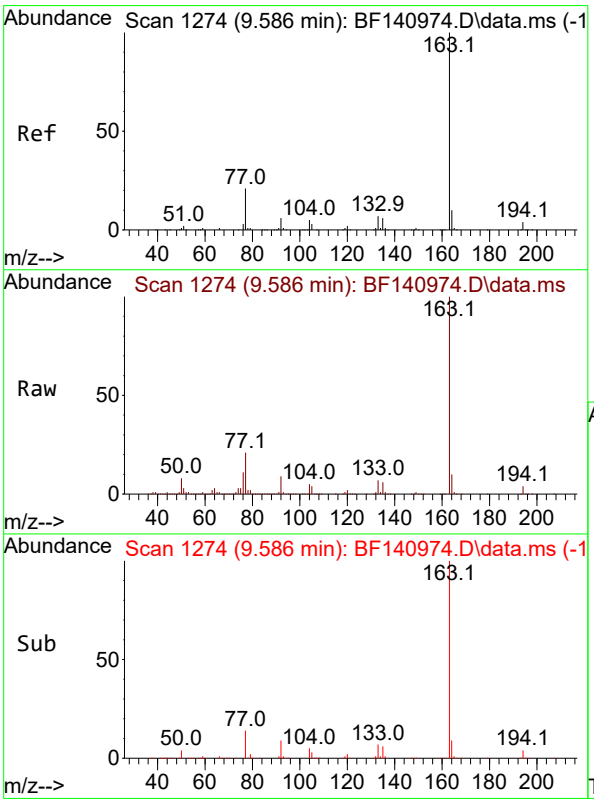
#49
Acenaphthylene
Concen: 37.013 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 1837752

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	14.2	11.4	17.0

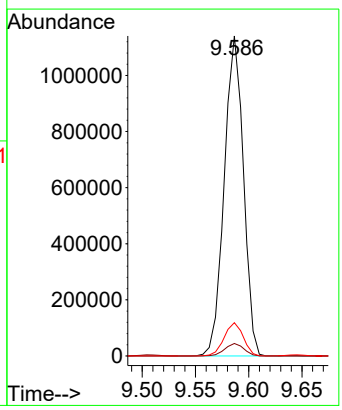


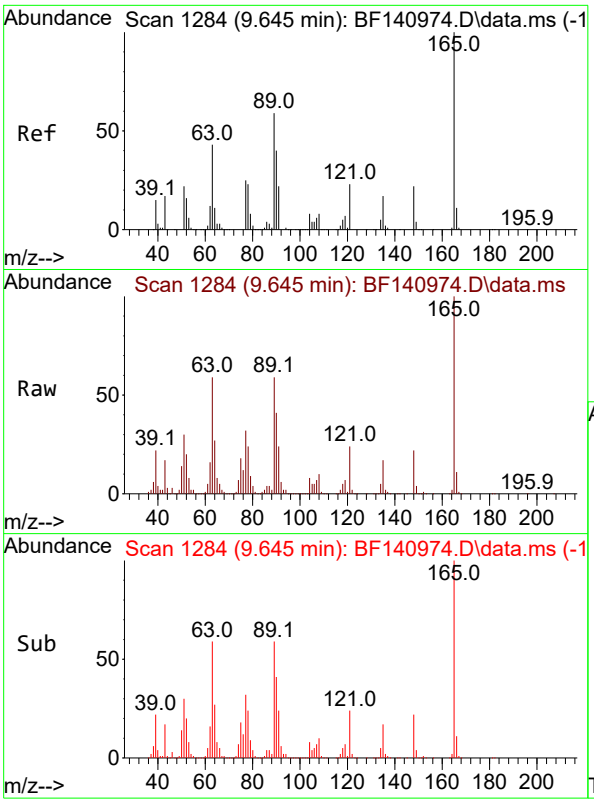


#50
Dimethylphthalate
Concen: 36.455 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:163 Resp: 1427475

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.3	12.5



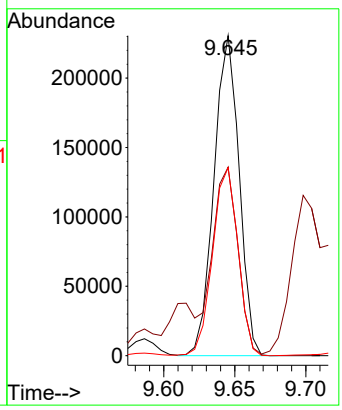


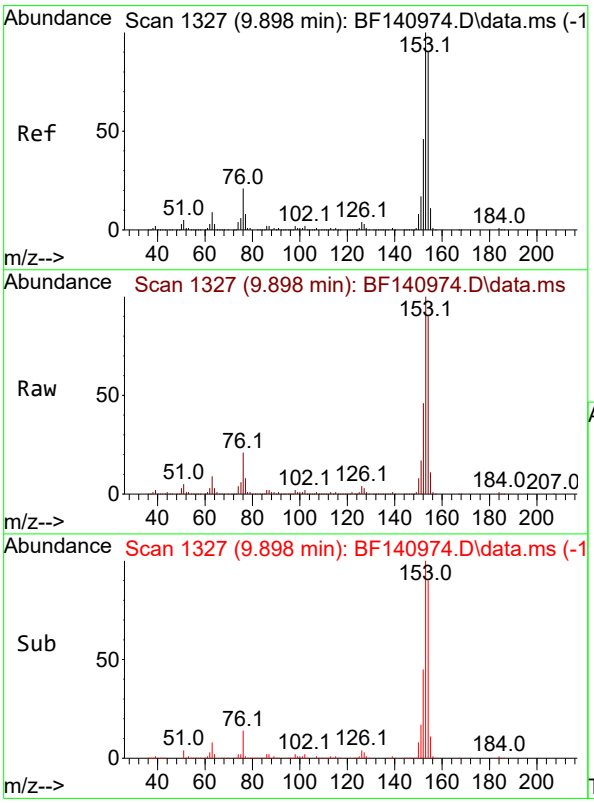
#51
2,6-Dinitrotoluene
Concen: 31.725 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 283992

Ion	Ratio	Lower	Upper
165	100		
63	58.9	47.1	70.7
89	58.7	47.0	70.4

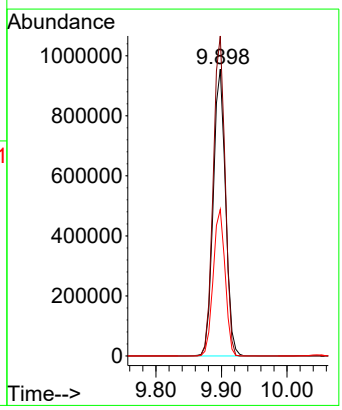


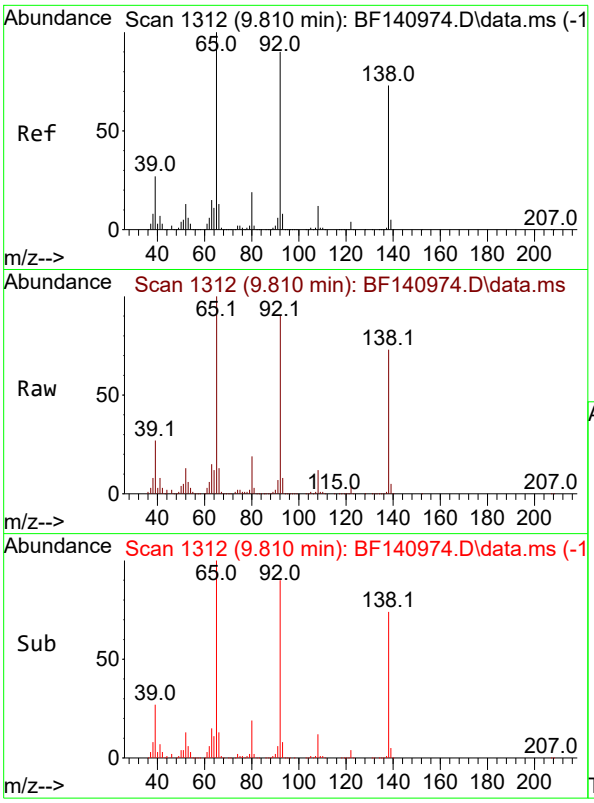


#52
Acenaphthene
Concen: 39.203 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:154 Resp: 1243394

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.2	133.8
152	51.1	40.9	61.3



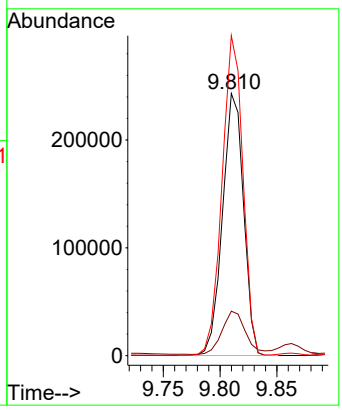


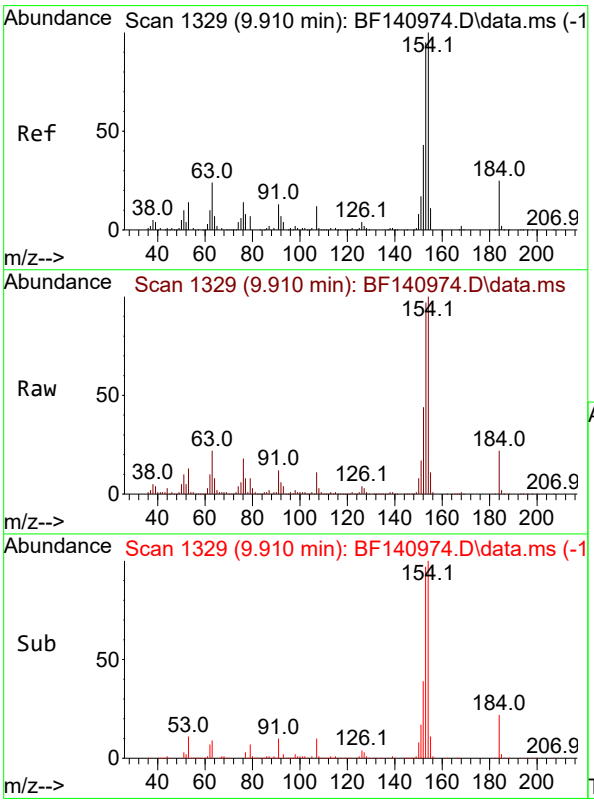
#53
3-Nitroaniline
Concen: 35.186 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 312579

Ion	Ratio	Lower	Upper
138	100		
108	16.9	13.5	20.3
92	122.1	97.7	146.5

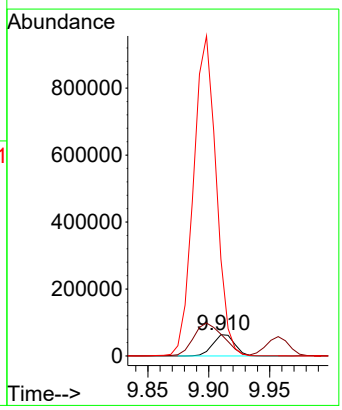


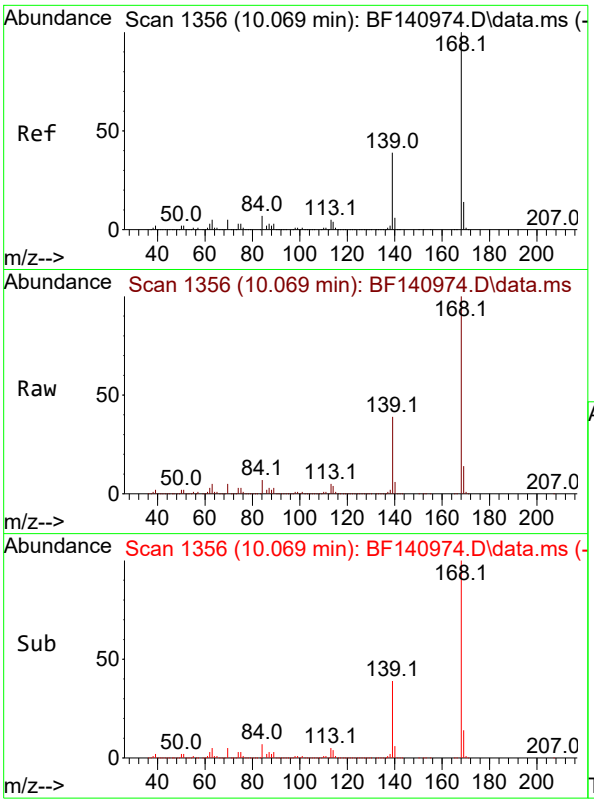


#54
2,4-Dinitrophenol
Concen: 21.786 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:184 Resp: 79893

Ion	Ratio	Lower	Upper
184	100		
63	102.0	81.6	122.4
154	454.4	363.5	545.3



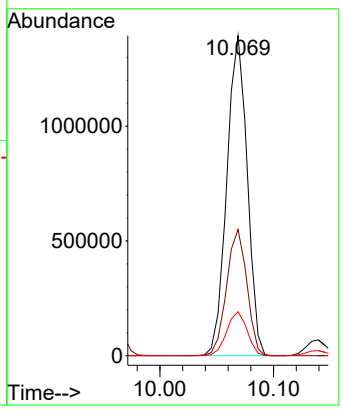


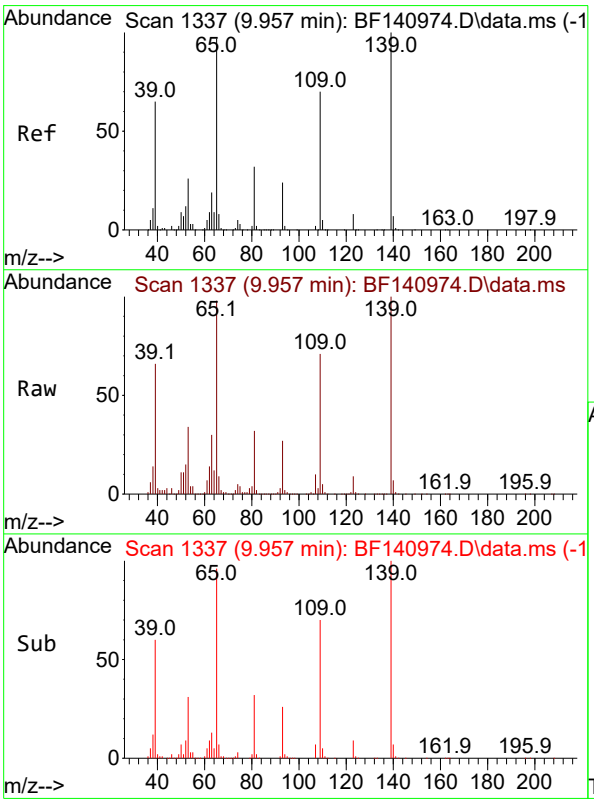
#55
Dibenzofuran
Concen: 35.369 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 1738272

Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.6	47.4
169	13.8	11.0	16.6

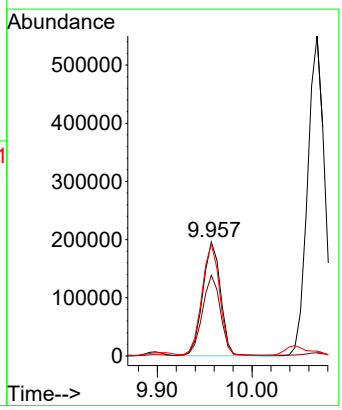


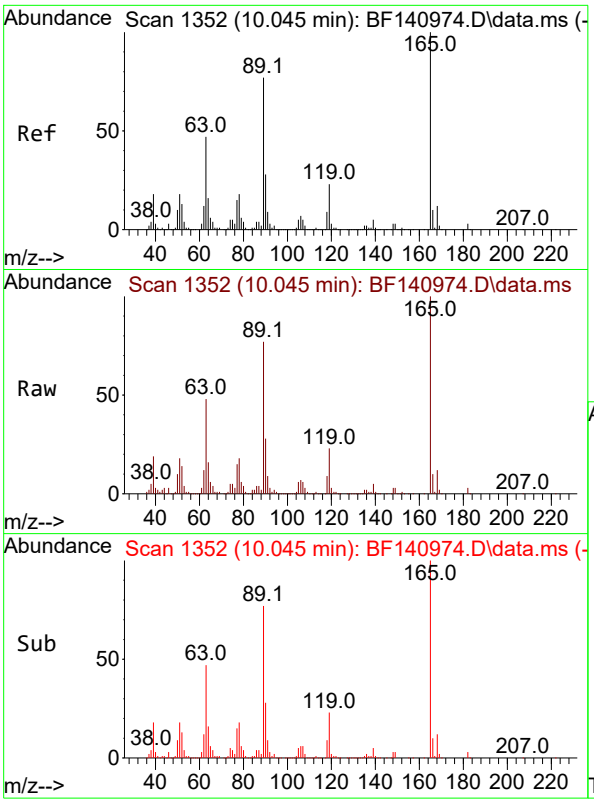


#56
4-Nitrophenol
Concen: 61.075 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:139 Resp: 254611

Ion	Ratio	Lower	Upper
139	100		
109	70.8	50.8	90.8
65	98.5	78.5	118.5



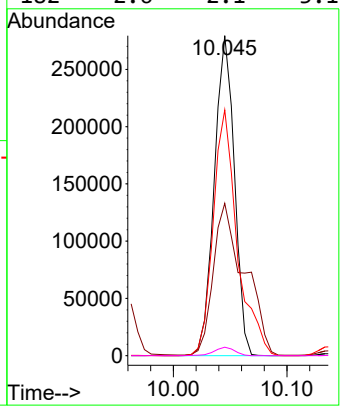


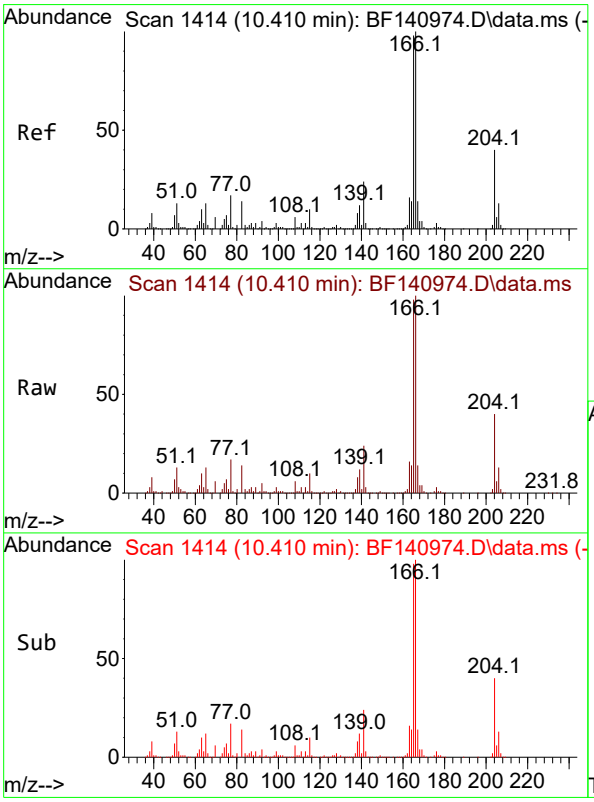
#57
2,4-Dinitrotoluene
Concen: 29.218 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 344129

Ion	Ratio	Lower	Upper
165	100		
63	47.6	38.1	57.1
89	76.8	61.4	92.2
182	2.6	2.1	3.1

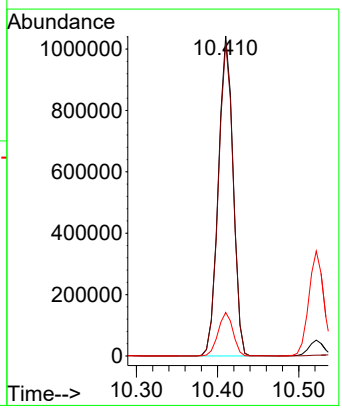


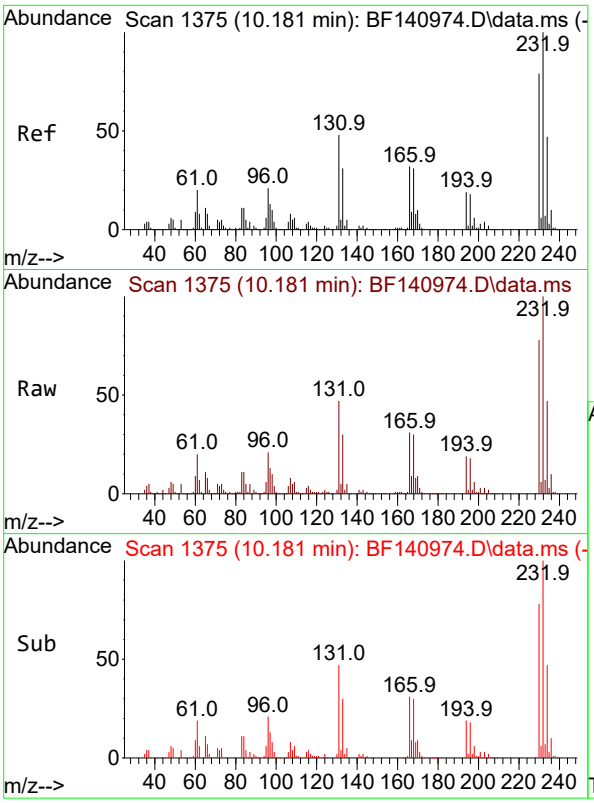


#58
Fluorene
Concen: 32.650 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:166 Resp: 1323793

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.3	117.5
167	13.6	10.9	16.3



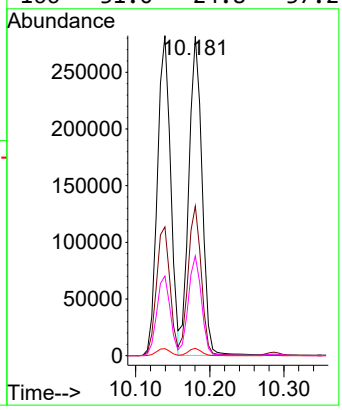


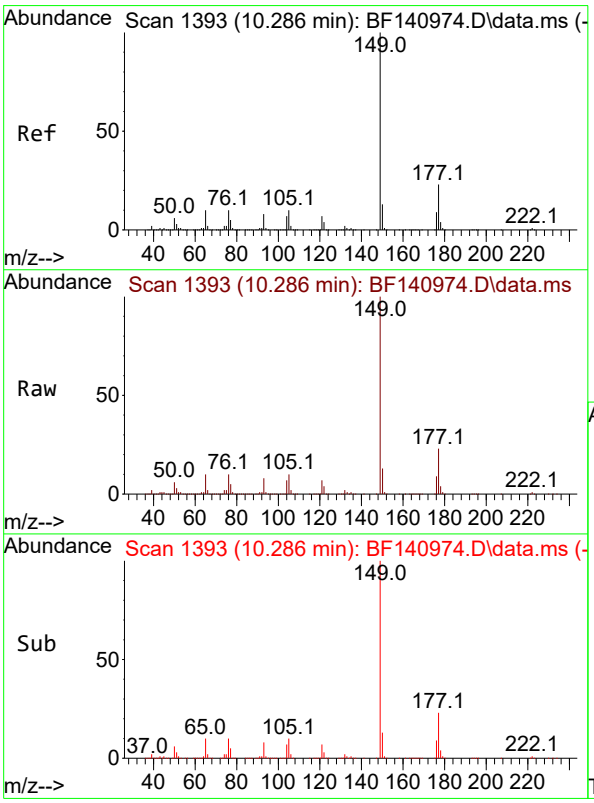
#59
2,3,4,6-Tetrachlorophenol
Concen: 37.236 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 348605

Ion	Ratio	Lower	Upper
232	100		
131	46.8	37.4	56.2
130	2.3	1.8	2.8
166	31.0	24.8	37.2

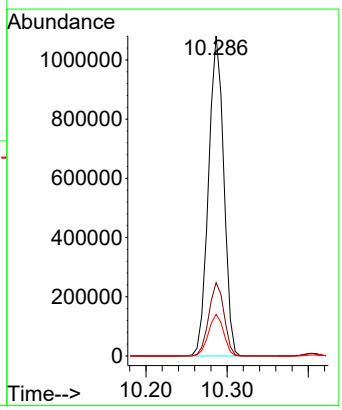


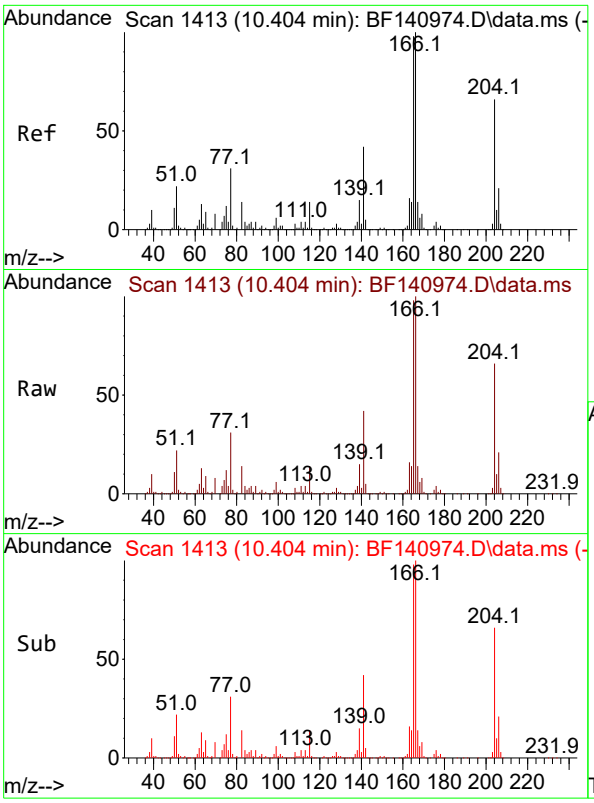


#60
Diethylphthalate
Concen: 34.630 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:149 Resp: 1406132

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	13.0	10.4	15.6



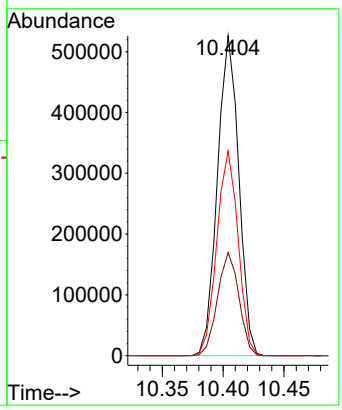


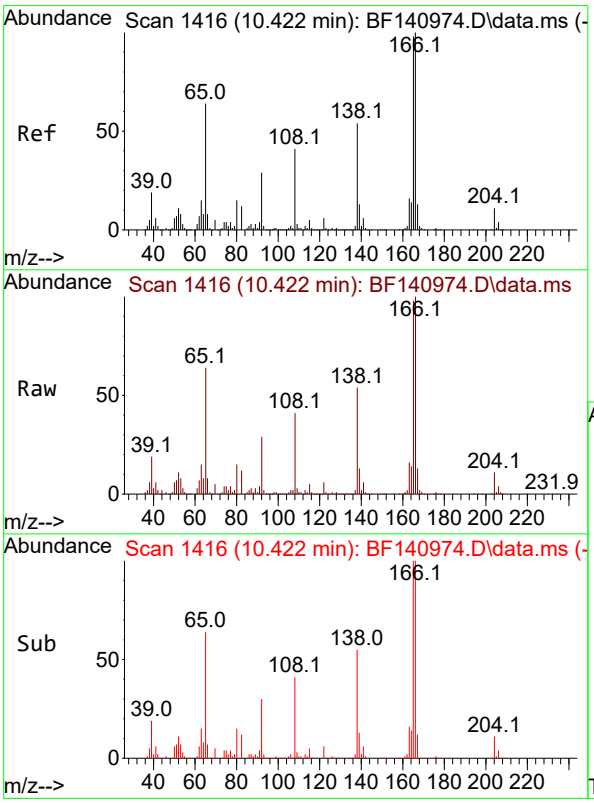
#61
4-Chlorophenyl-phenylether
Concen: 31.558 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 642732

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.8	38.6
141	64.0	51.2	76.8

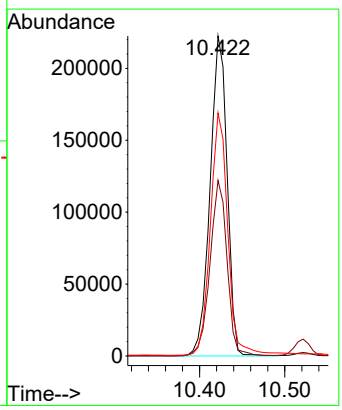


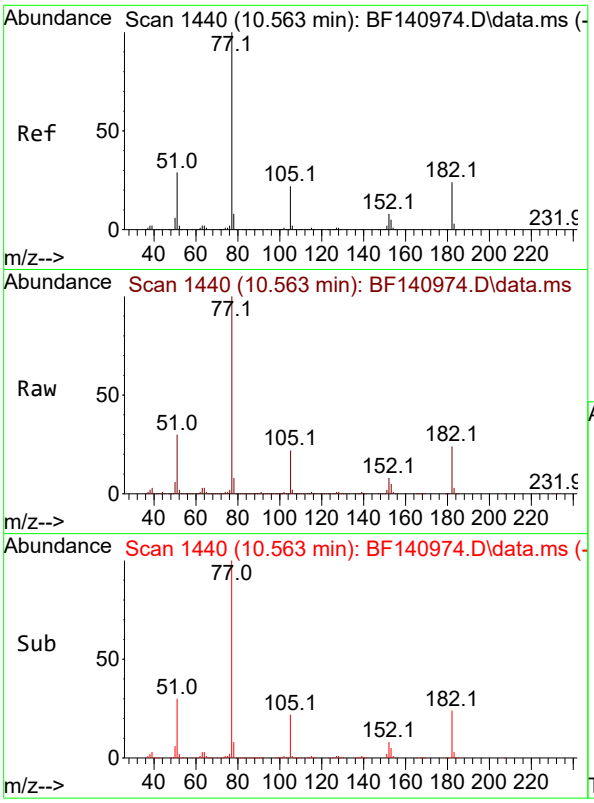


#62
4-Nitroaniline
Concen: 33.321 ng
RT: 10.422 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:138 Resp: 309322

Ion	Ratio	Lower	Upper
138	100		
92	54.8	34.8	74.8
108	75.9	55.9	95.9



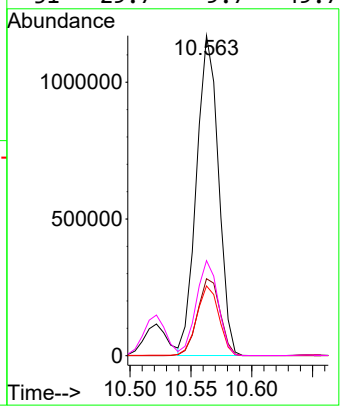


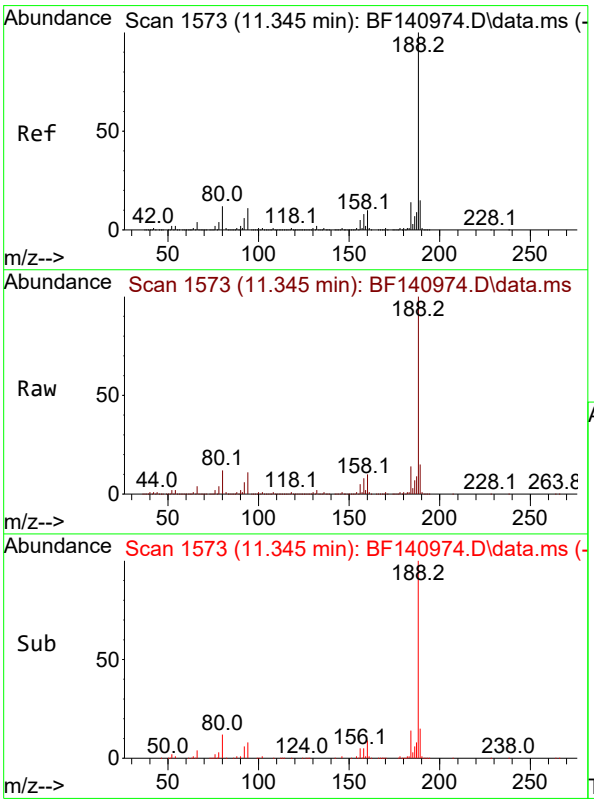
#63
Azobenzene
Concen: 38.390 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1465453

Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.1	44.1
105	21.8	1.8	41.8
51	29.7	9.7	49.7

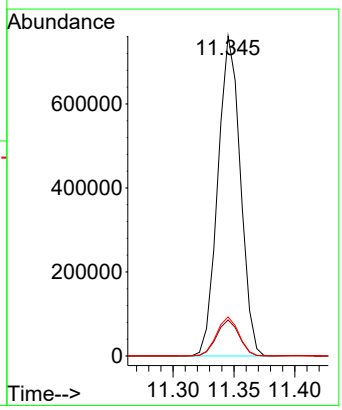


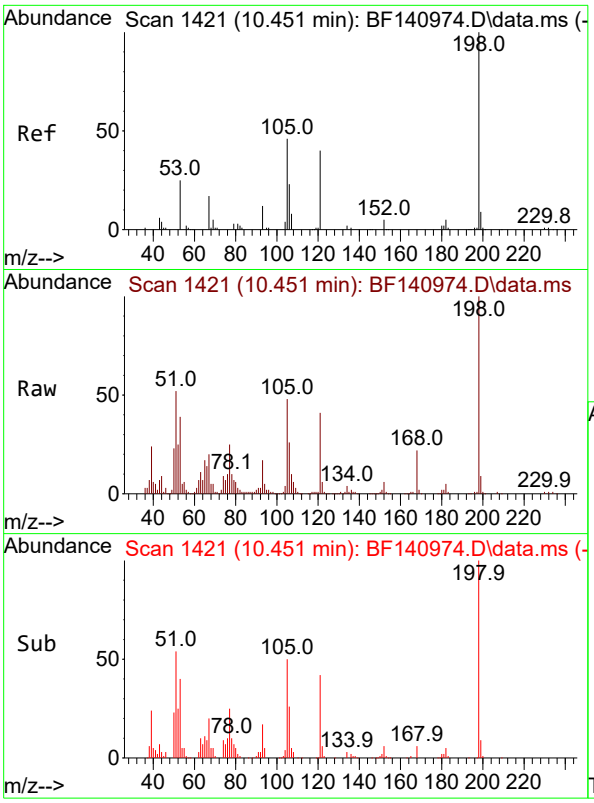


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:188 Resp: 980435

Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.0	13.6
80	12.2	9.8	14.6



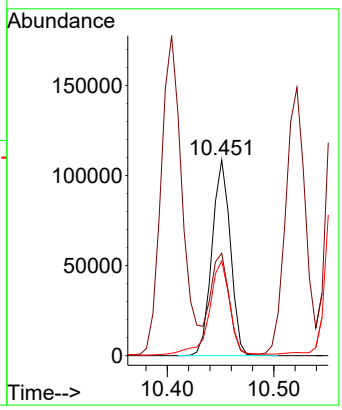


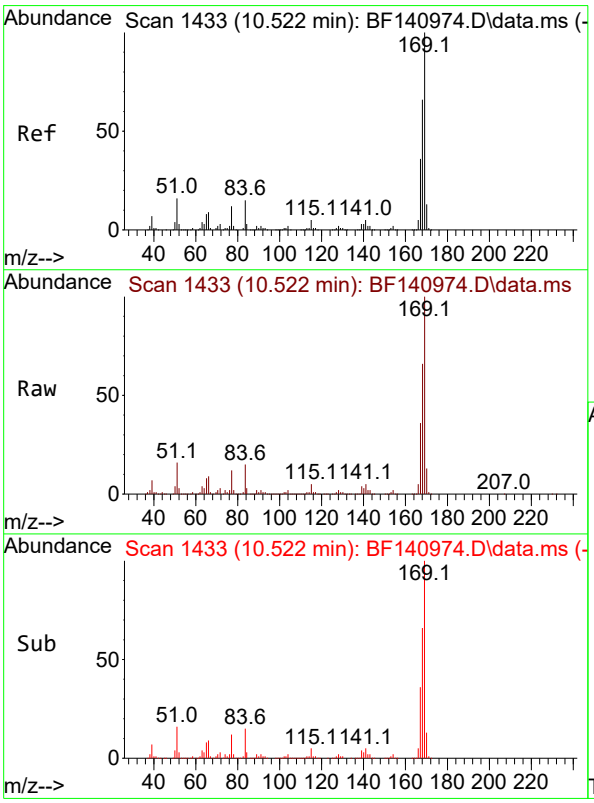
#65
4,6-Dinitro-2-methylphenol
Concen: 23.468 ng
RT: 10.451 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 130378

Ion	Ratio	Lower	Upper
198	100		
51	52.3	32.3	72.3
105	48.4	28.4	68.4

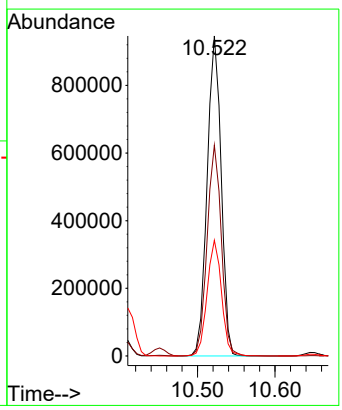


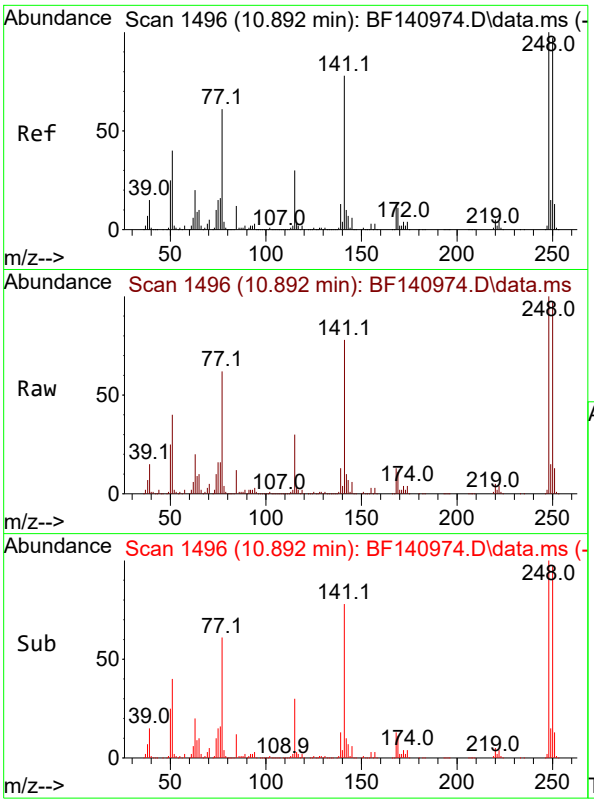


#66
n-Nitrosodiphenylamine
Concen: 39.385 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:169 Resp: 1187207

Ion	Ratio	Lower	Upper
169	100		
168	65.8	52.6	79.0
167	36.2	29.0	43.4



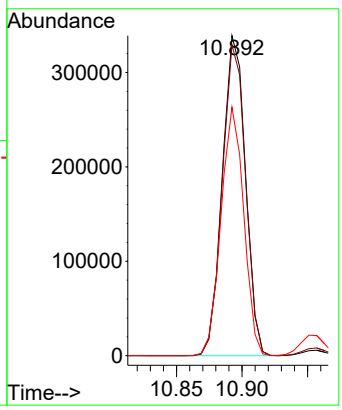


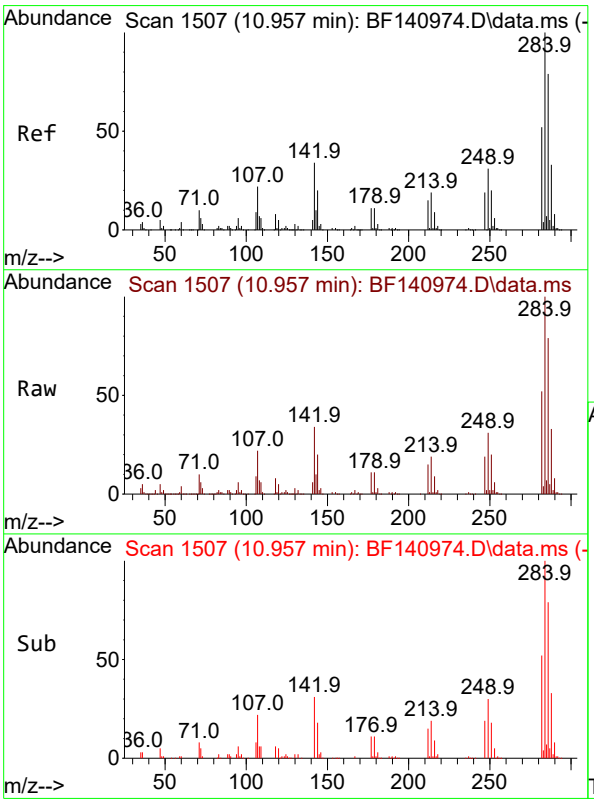
#67
4-Bromophenyl-phenylether
Concen: 38.003 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 416835

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.7	116.5
141	77.6	62.1	93.1

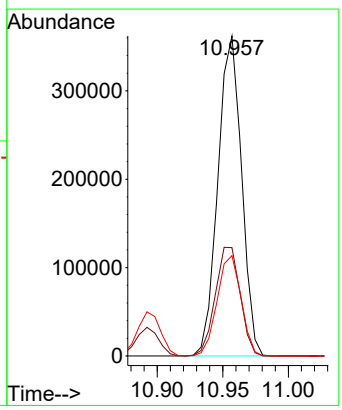


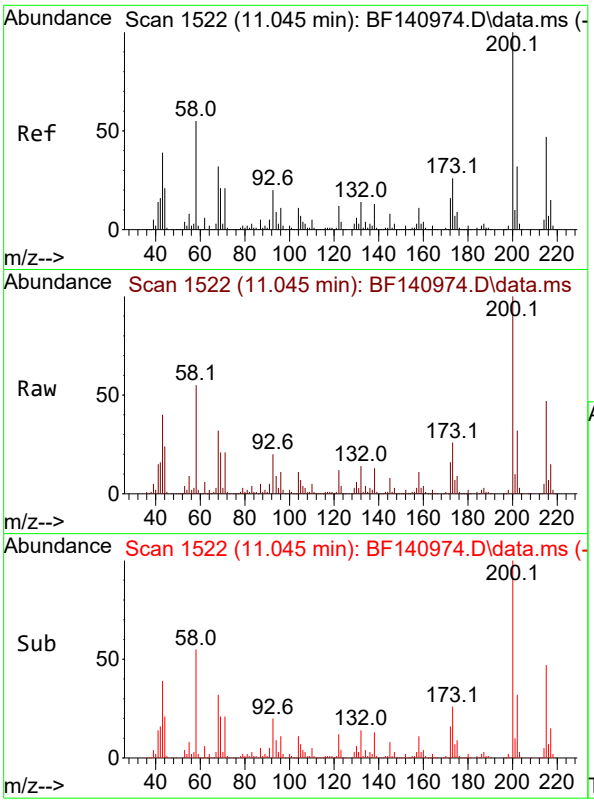


#68
Hexachlorobenzene
Concen: 36.522 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:284 Resp: 454182

Ion	Ratio	Lower	Upper
284	100		
142	33.9	27.1	40.7
249	31.4	25.1	37.7



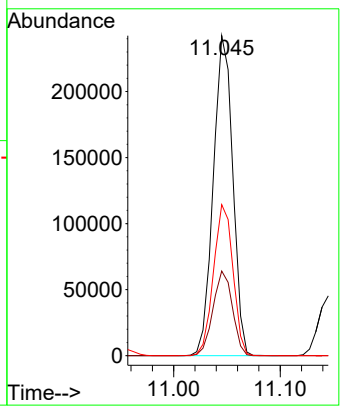


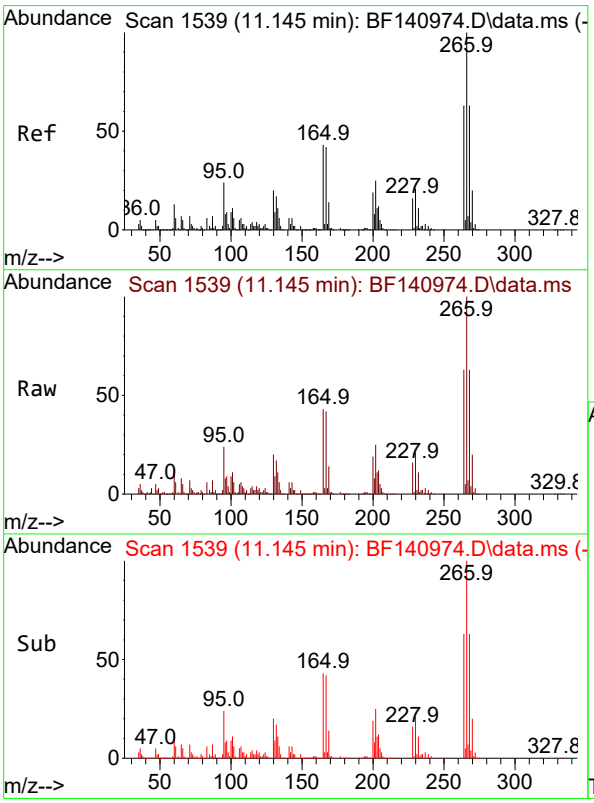
#69
Atrazine
Concen: 36.430 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 306702

Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.4	46.4
215	47.2	27.2	67.2

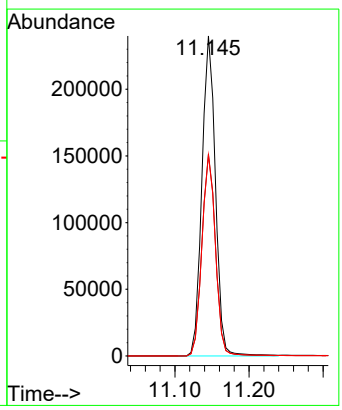


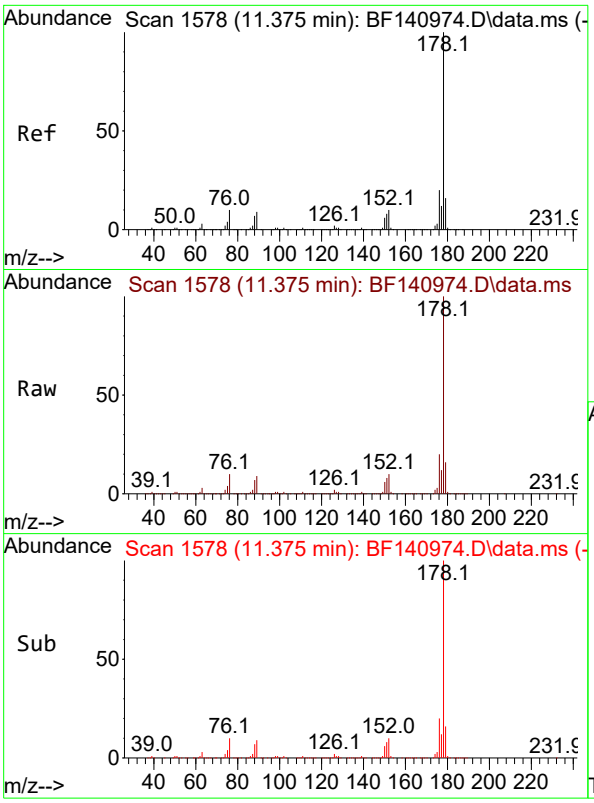


#70
Pentachlorophenol
Concen: 66.877 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:266 Resp: 304066

Ion	Ratio	Lower	Upper
266	100		
268	63.1	50.5	75.7
264	62.8	50.2	75.4



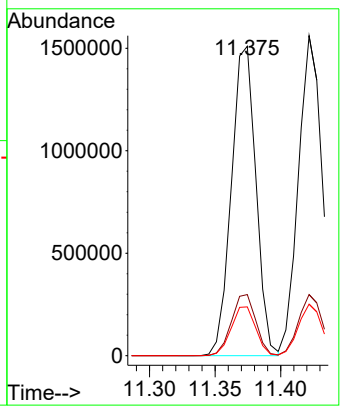


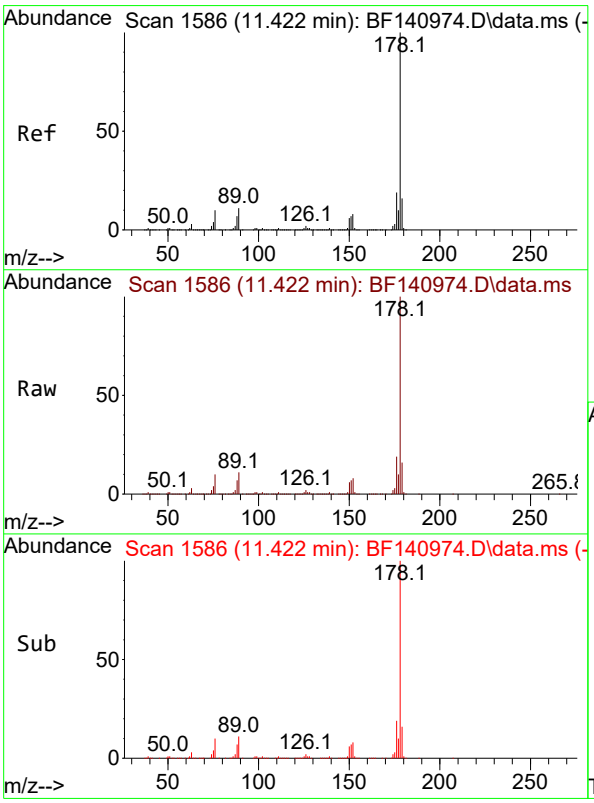
#71
Phenanthrene
Concen: 39.075 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 1970080

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	15.8	12.6	19.0

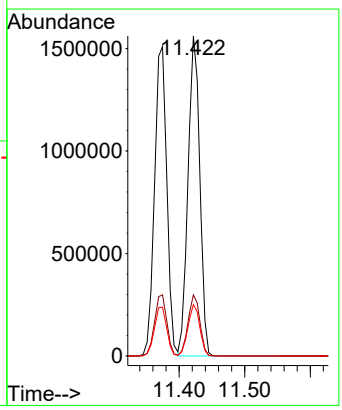


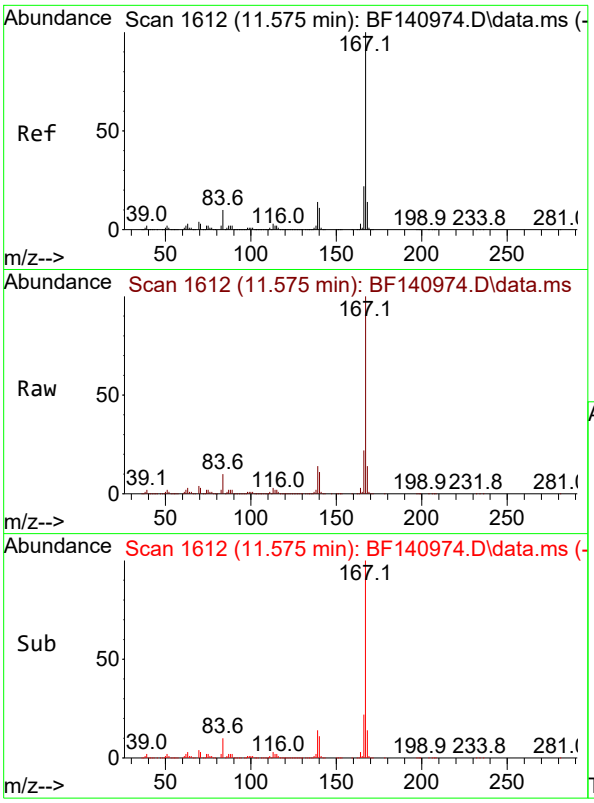


#72
Anthracene
Concen: 39.142 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:178 Resp: 1943496

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	16.1	12.9	19.3



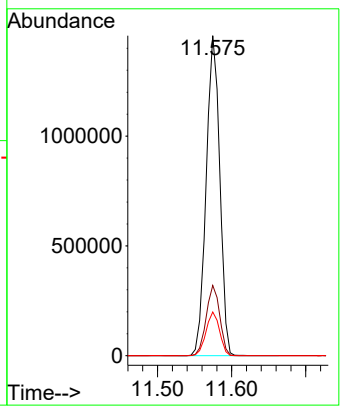


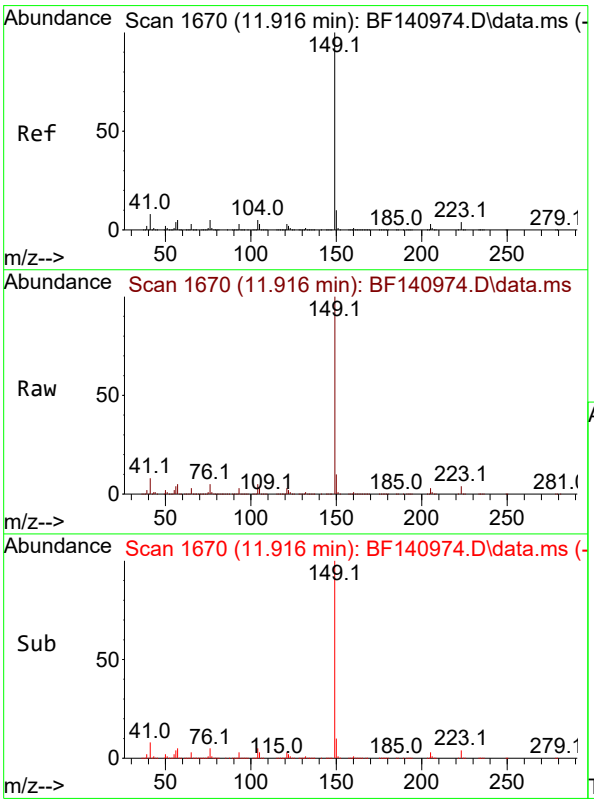
#73
Carbazole
Concen: 38.167 ng
RT: 11.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 1856207

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.7	11.0	16.4

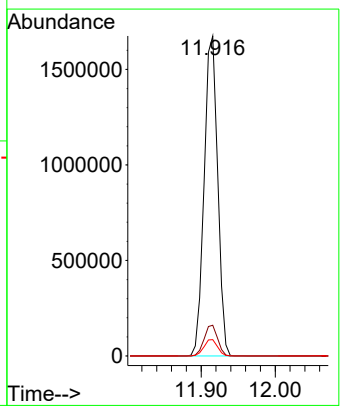


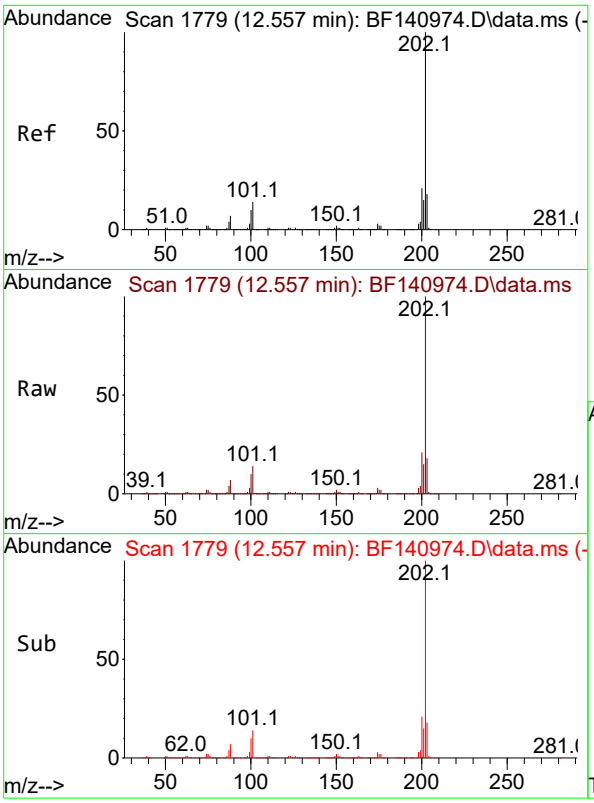


#74
Di-n-butylphthalate
Concen: 37.219 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:149 Resp: 2124340

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	5.1	4.1	6.1



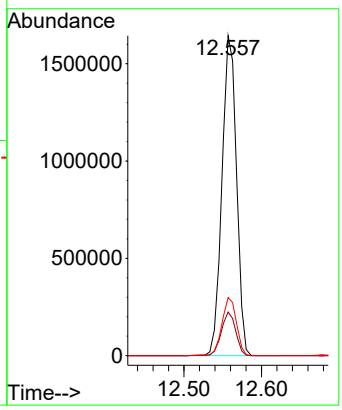


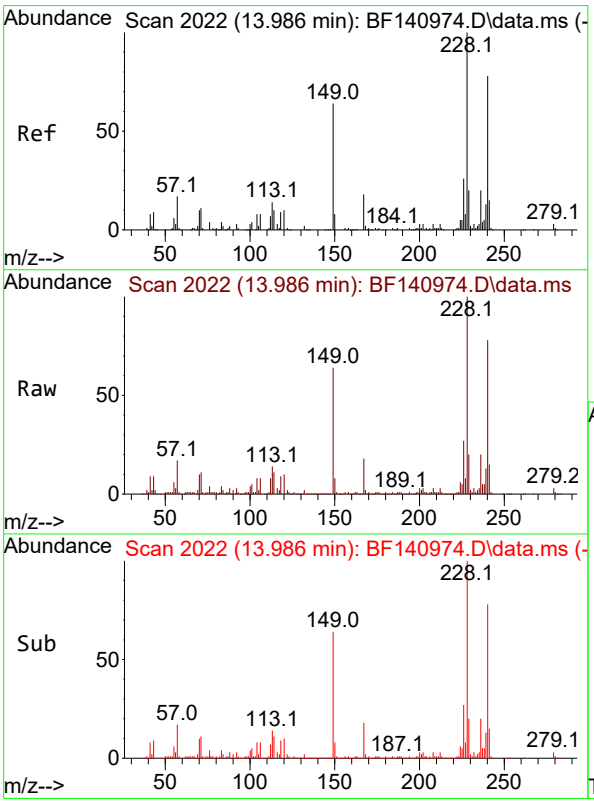
#75
Fluoranthene
Concen: 36.857 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 2140117

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.7
203	18.1	0.0	38.1

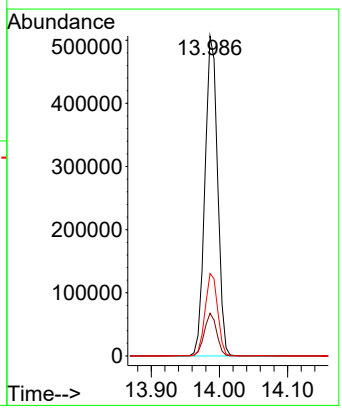


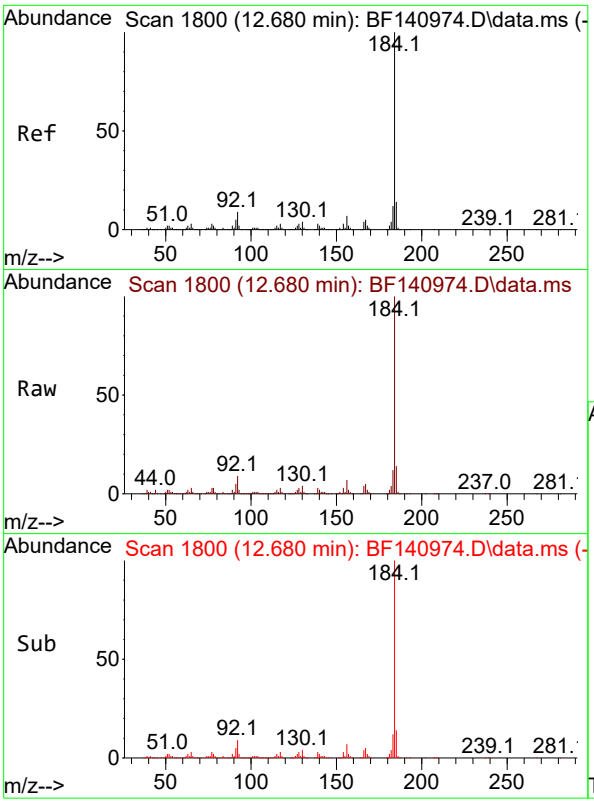


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:240 Resp: 652144

Ion	Ratio	Lower	Upper
240	100		
120	13.4	10.7	16.1
236	25.8	20.6	31.0



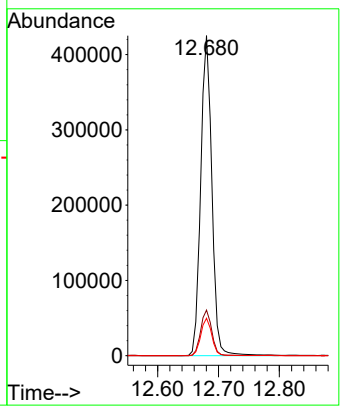


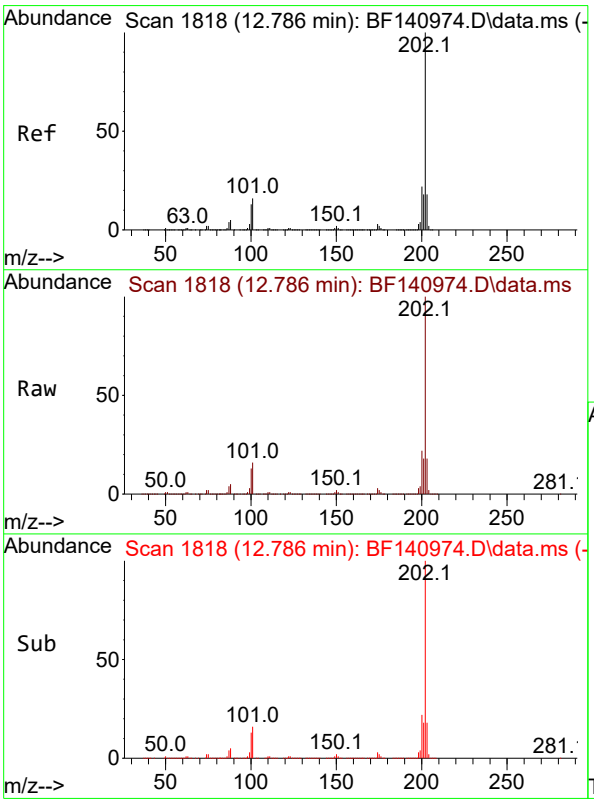
#77
Benzidine
Concen: 40.641 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 540933

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.7	9.4	14.0

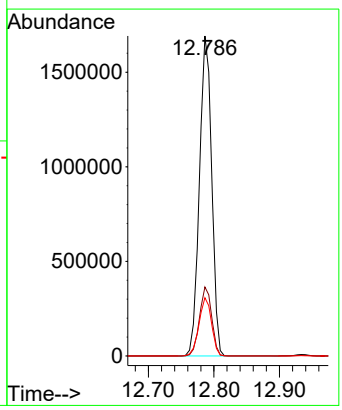


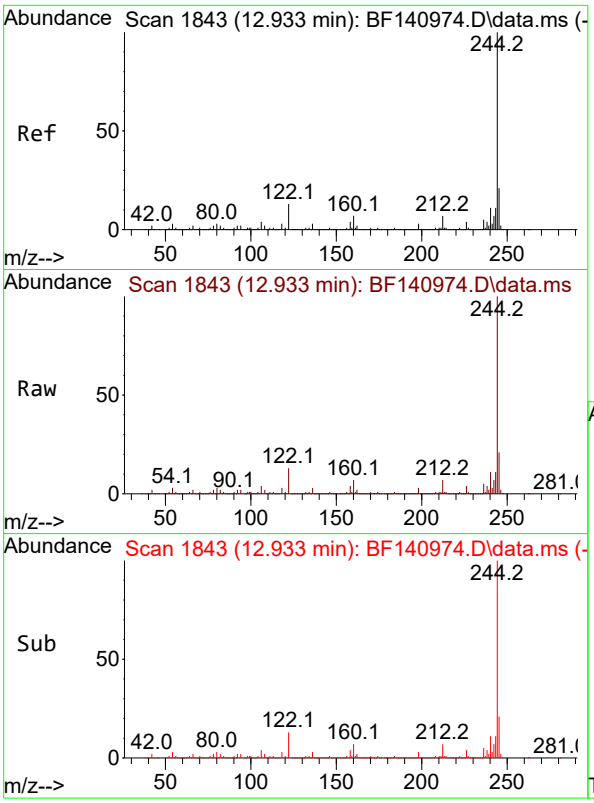


#78
Pyrene
Concen: 38.055 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:202 Resp: 2206885

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.2	14.6	21.8



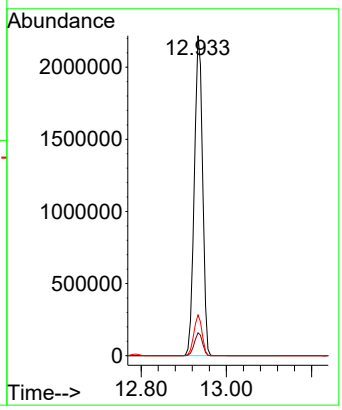


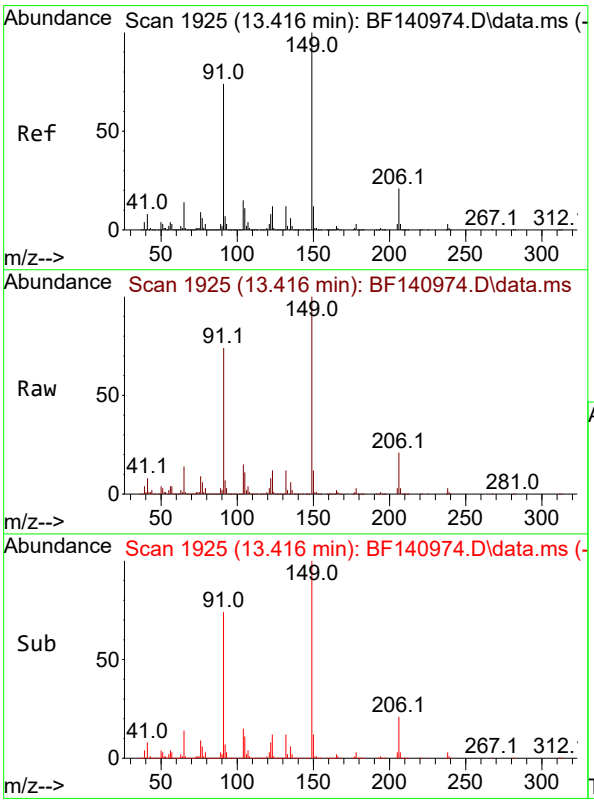
#79
Terphenyl-d14
Concen: 71.976 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 2976692

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.7	10.2	15.2

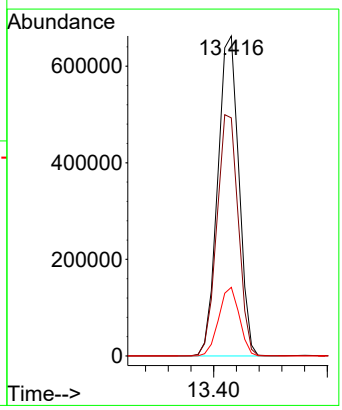


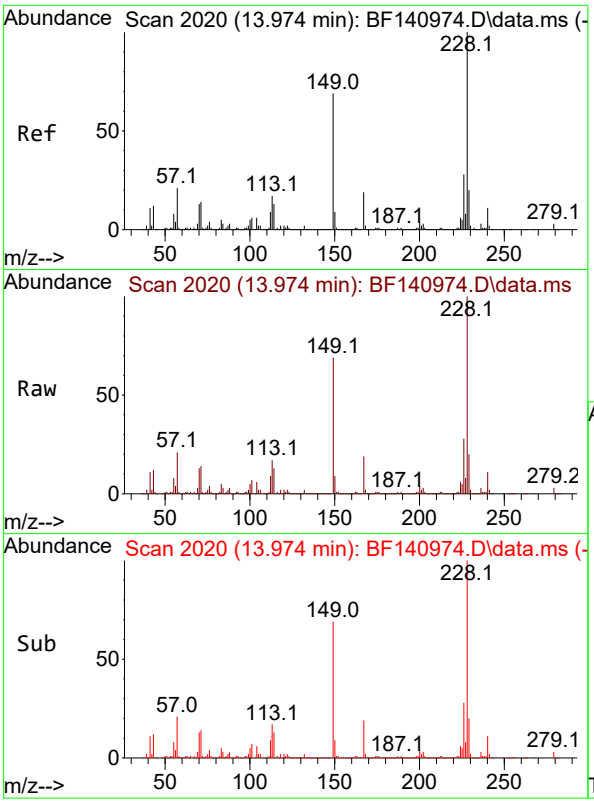


#80
Butylbenzylphthalate
Concen: 40.123 ng
RT: 13.416 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:149 Resp: 856154

Ion	Ratio	Lower	Upper
149	100		
91	74.4	59.5	89.3
206	21.4	17.1	25.7



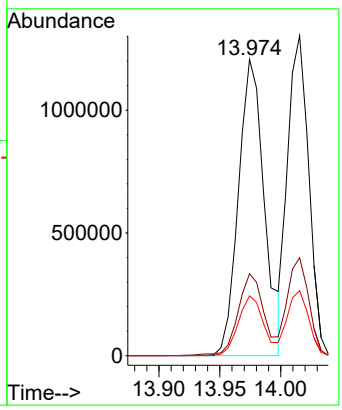


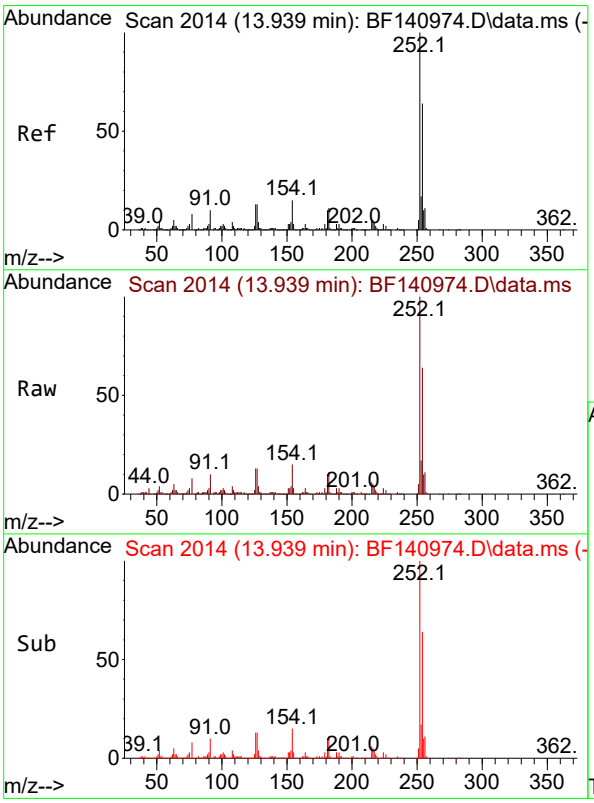
#81
Benzo(a)anthracene
Concen: 38.643 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 1786080

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	20.2	16.2	24.2

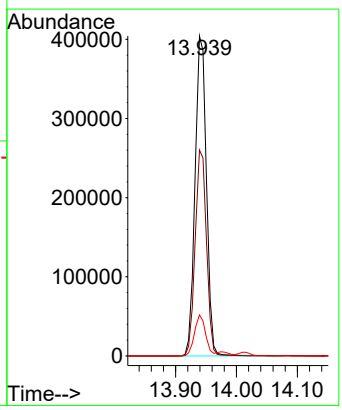


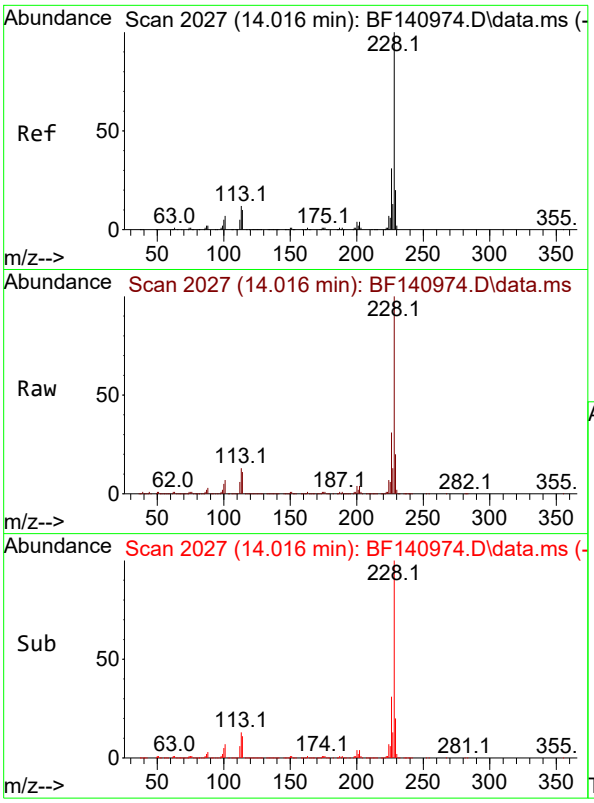


#82
3,3'-Dichlorobenzidine
Concen: 37.648 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:252 Resp: 524994

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	12.9	10.3	15.5



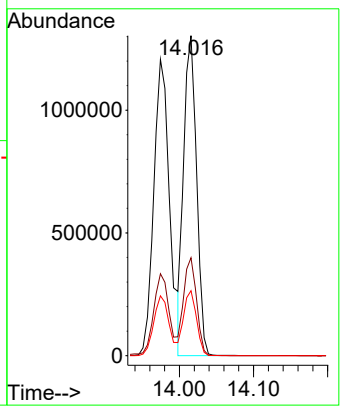


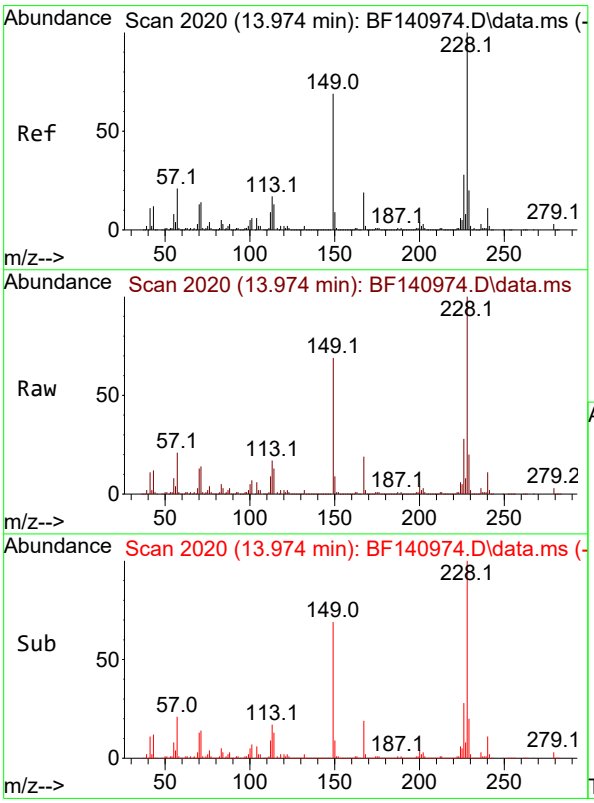
#83
Chrysene
Concen: 37.474 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 1574996

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	20.3	16.2	24.4

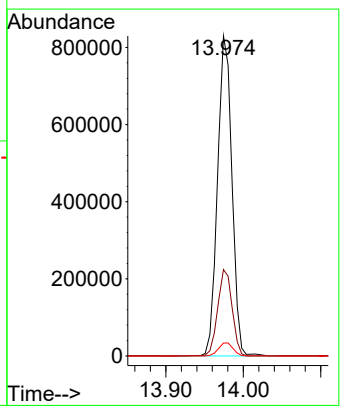


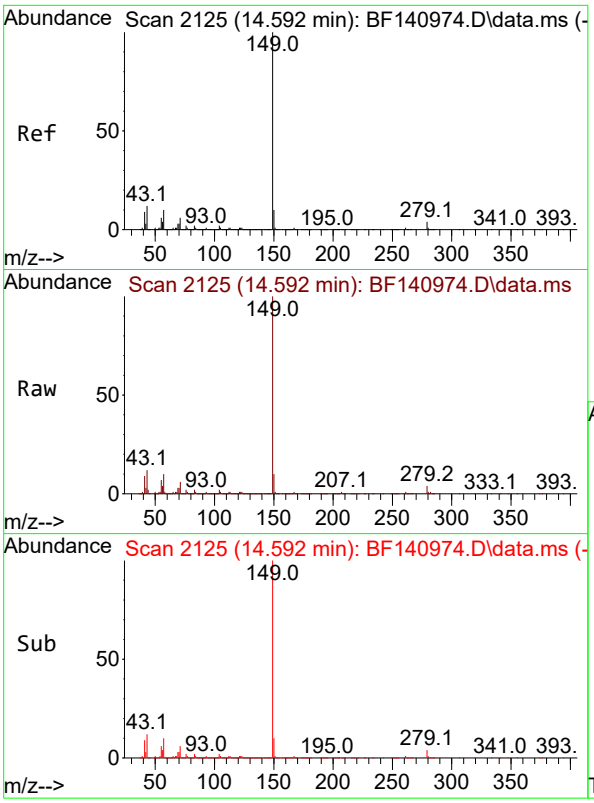


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.889 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:149 Resp: 1069992

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.6	32.4
279	4.0	3.2	4.8



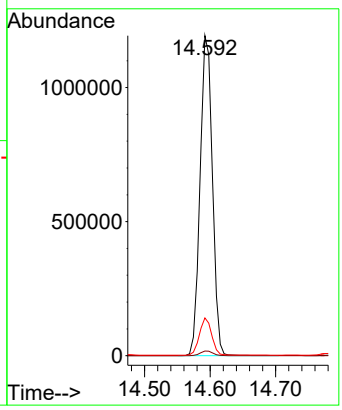


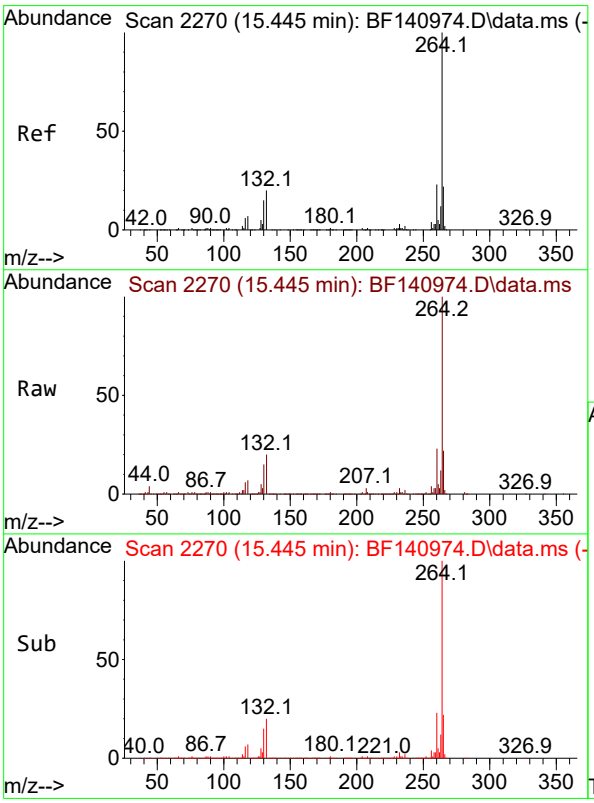
#85
Di-n-octyl phthalate
Concen: 37.556 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 1563317

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.6	9.3	13.9

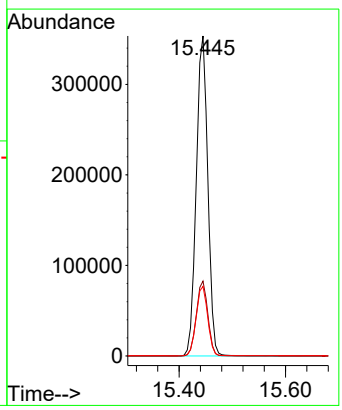


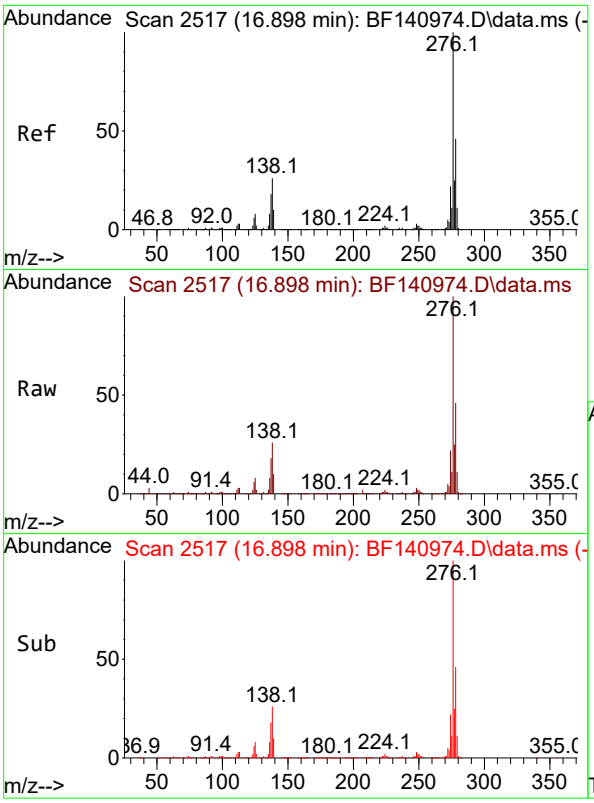


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:264 Resp: 531798

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.8	17.4	26.2



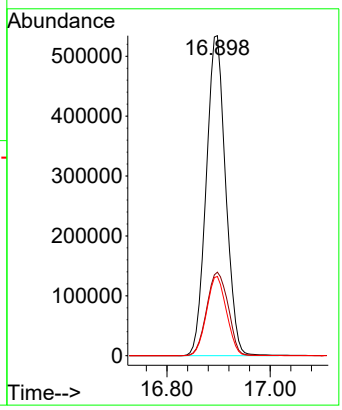


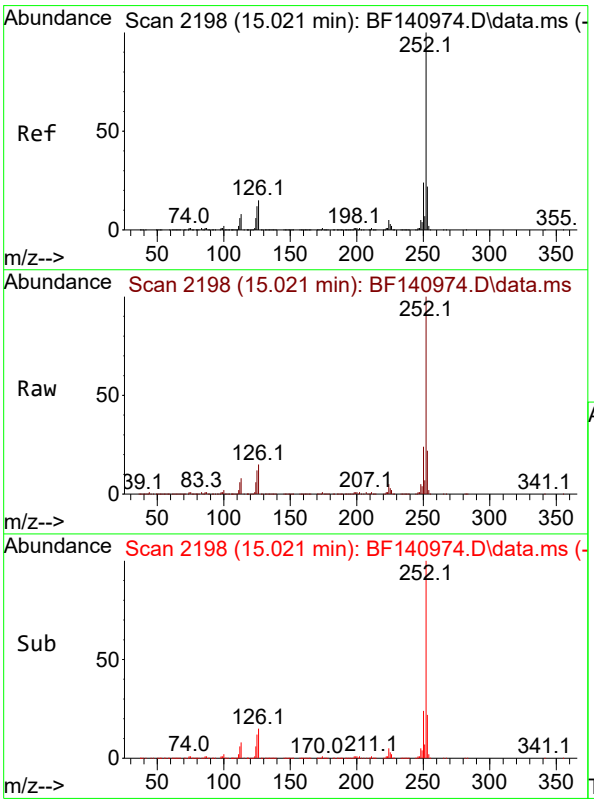
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.008 ng
RT: 16.898 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 1394102

Ion	Ratio	Lower	Upper
276	100		
138	28.9	23.1	34.7
277	25.5	20.4	30.6

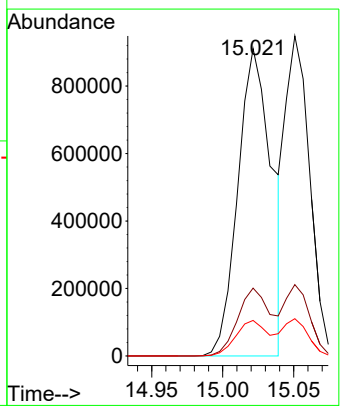


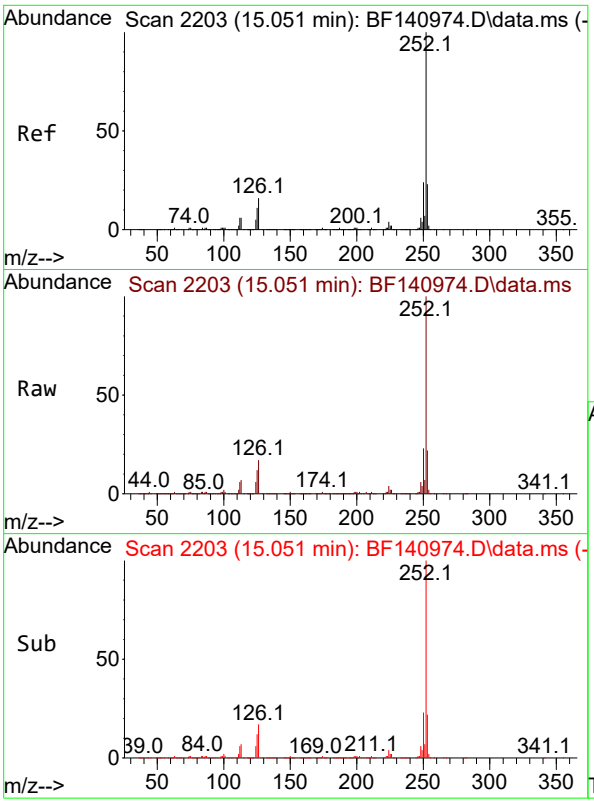


#88
Benzo(b)fluoranthene
Concen: 40.818 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:252 Resp: 1506798

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.6	9.3	13.9



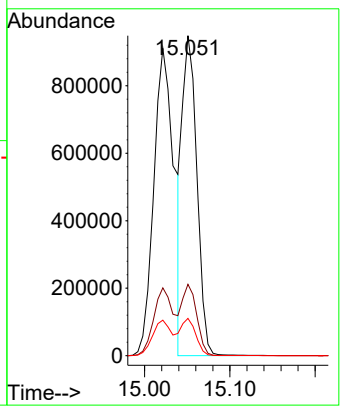


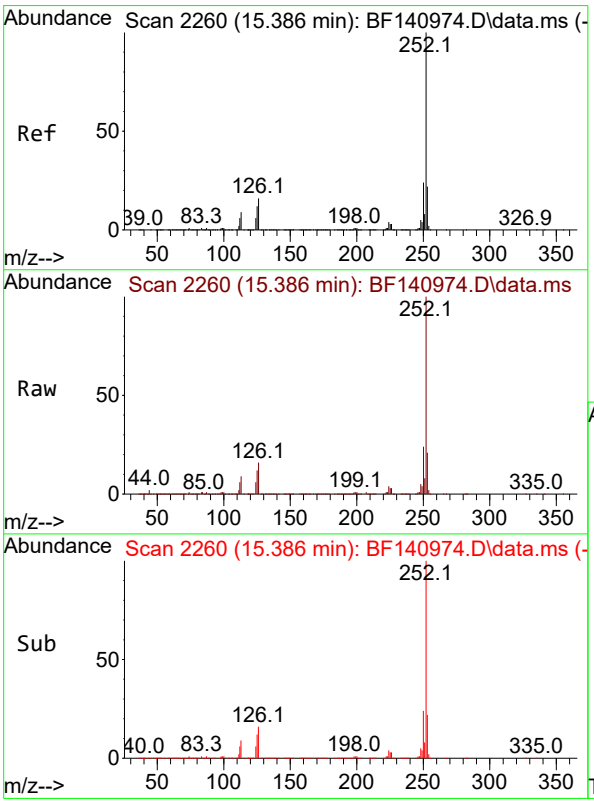
#89
Benzo(k)fluoranthene
Concen: 35.781 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 1133027

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.7	9.4	14.0

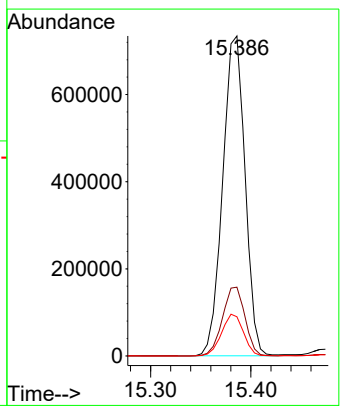


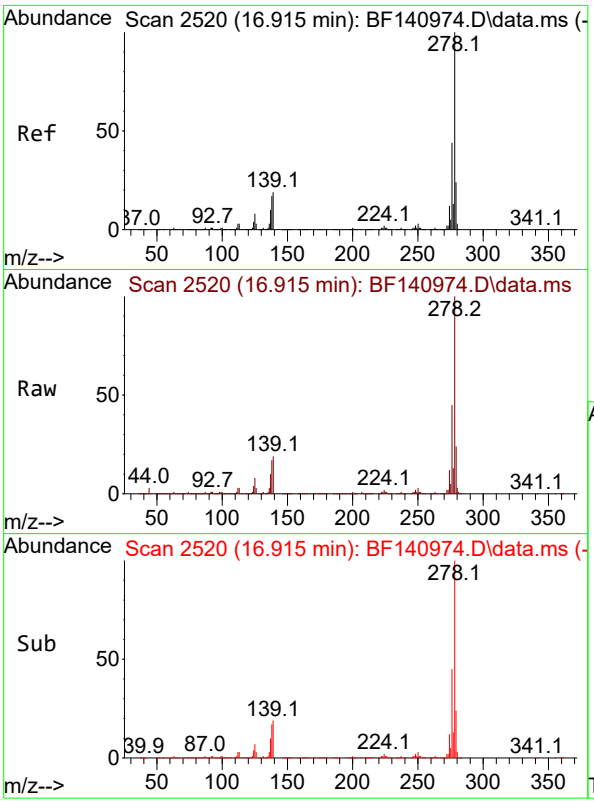


#90
Benzo(a)pyrene
Concen: 39.319 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:252 Resp: 1136531

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	12.3	9.8	14.8



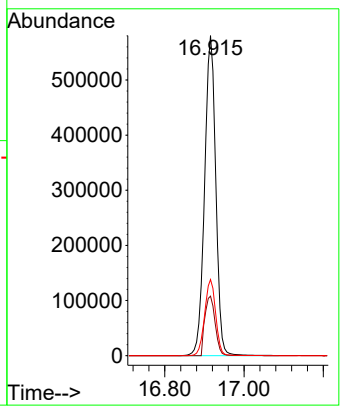


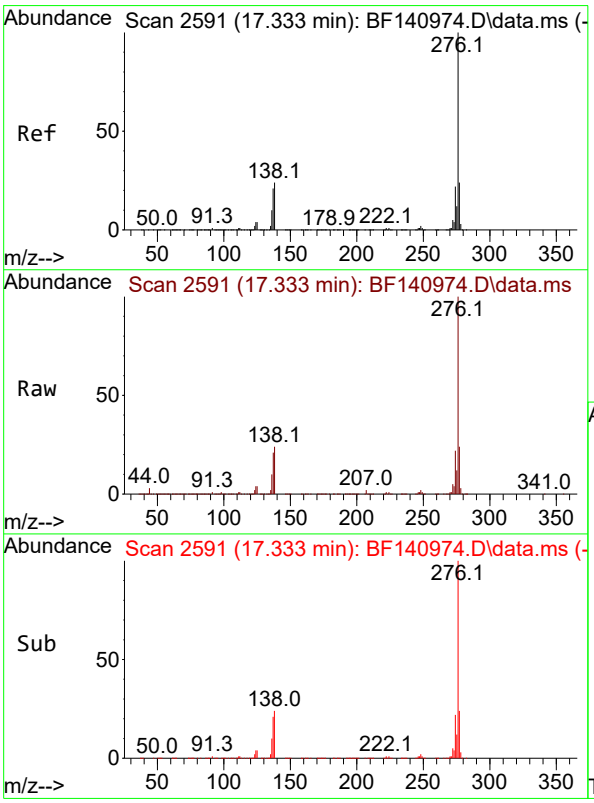
#91
Dibenzo(a,h)anthracene
Concen: 41.391 ng
RT: 16.915 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 1137962

Ion	Ratio	Lower	Upper
278	100		
139	18.6	14.9	22.3
279	23.8	19.0	28.6

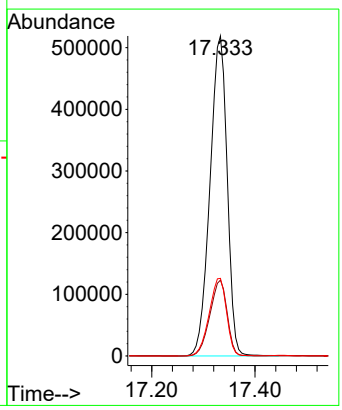




#92
Benzo(g,h,i)perylene
Concen: 42.808 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:276 Resp: 1197853

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	24.3	19.4	29.2



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140975.D
Acq On : 26 Dec 2024 18:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Dec 26 23:49:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.828	152	275845	20.000	ng		0.00
21) Naphthalene-d8	8.110	136	1074985	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	568540	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	984477	20.000	ng		0.00
76) Chrysene-d12	13.986	240	594739	20.000	ng		0.00
86) Perylene-d12	15.445	264	515270	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	1735294	103.559	ng		0.00
7) Phenol-d6	6.451	99	2240716	100.959	ng		0.00
23) Nitrobenzene-d5	7.398	82	1814319	84.441	ng		0.00
42) 2,4,6-Tribromophenol	10.651	330	561625	83.523	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	3208983	77.600	ng		0.00
79) Terphenyl-d14	12.939	244	3551774	94.170	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.563	88	404513	56.045	ng		100
3) Pyridine	3.304	79	961017	57.494	ng		100
4) n-Nitrosodimethylamine	3.257	42	511762	60.733	ng		98
6) Aniline	6.492	93	463947	24.448	ng		99
8) 2-Chlorophenol	6.616	128	922056	50.460	ng		98
9) Benzaldehyde	6.381	77	546478	44.438	ng		98
10) Phenol	6.469	94	1160486	50.450	ng		98
11) bis(2-Chloroethyl)ether	6.569	93	976603	56.930	ng		97
12) 1,3-Dichlorobenzene	6.769	146	1008461	48.433	ng		99
13) 1,4-Dichlorobenzene	6.845	146	1018871	48.206	ng		99
14) 1,2-Dichlorobenzene	7.004	146	942310	47.253	ng		99
15) Benzyl Alcohol	6.969	79	826544	52.085	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1412151	69.879	ng		100
17) 2-Methylphenol	7.075	107	775619	53.165	ng		99
18) Hexachloroethane	7.345	117	371106	47.165	ng		99
19) n-Nitroso-di-n-propyla...	7.251	70	681599	51.197	ng		98
20) 3+4-Methylphenols	7.233	107	956631	49.450	ng		91
22) Acetophenone	7.239	105	1233868	45.884	ng	#	95
24) Nitrobenzene	7.416	77	997447	45.314	ng		98
25) Isophorone	7.651	82	1758021	48.832	ng		99
26) 2-Nitrophenol	7.728	139	381135	37.595	ng		99
27) 2,4-Dimethylphenol	7.763	122	648052	54.736	ng		99
28) bis(2-Chloroethoxy)met...	7.863	93	1107863	49.270	ng		100
29) 2,4-Dichlorophenol	7.963	162	755436	46.216	ng		99
30) 1,2,4-Trichlorobenzene	8.051	180	815821	43.538	ng		99
31) Naphthalene	8.133	128	2656943	44.995	ng		100
32) Benzoic acid	7.880	122	533388	47.502	ng		98
33) 4-Chloroaniline	8.186	127	988410	50.398	ng		100
34) Hexachlorobutadiene	8.251	225	485520	38.512	ng		99
35) Caprolactam	8.551	113	252501	51.888	ng		99
36) 4-Chloro-3-methylphenol	8.651	107	817788	44.451	ng		99
37) 2-Methylnaphthalene	8.822	142	1691438	43.302	ng		100
38) 1-Methylnaphthalene	8.922	142	1659875	42.967	ng		100
40) 1,2,4,5-Tetrachloroben...	8.986	216	748540	42.835	ng		100
41) Hexachlorocyclopentadiene	8.975	237	268748	61.611	ng		99
43) 2,4,6-Trichlorophenol	9.092	196	505859	47.275	ng		100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140975.D
Acq On : 26 Dec 2024 18:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Dec 26 23:49:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	548701	46.654	ng		98
46) 1,1'-Biphenyl	9.286	154	2019837	44.678	ng		99
47) 2-Chloronaphthalene	9.310	162	1584423	45.811	ng		99
48) 2-Nitroaniline	9.404	65	434235	41.572	ng		95
49) Acenaphthylene	9.727	152	2300924	45.270	ng		99
50) Dimethylphthalate	9.592	163	1771217	44.188	ng		100
51) 2,6-Dinitrotoluene	9.645	165	382604	41.753	ng		96
52) Acenaphthene	9.898	154	1557911	47.985	ng		100
53) 3-Nitroaniline	9.816	138	410444	45.135	ng		96
54) 2,4-Dinitrophenol	9.916	184	121967	32.491	ng	#	6
55) Dibenzofuran	10.069	168	2165075	43.035	ng		99
56) 4-Nitrophenol	9.963	139	337300	79.040	ng		97
57) 2,4-Dinitrotoluene	10.051	165	463773	38.466	ng		100
58) Fluorene	10.410	166	1628964	39.248	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.180	232	436271	45.523	ng		100
60) Diethylphthalate	10.286	149	1748454	42.065	ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	796072	38.183	ng		99
62) 4-Nitroaniline	10.427	138	412091	43.365	ng		99
63) Azobenzene	10.569	77	1840946	47.112	ng		99
65) 4,6-Dinitro-2-methylph...	10.457	198	193168	34.627	ng		97
66) n-Nitrosodiphenylamine	10.522	169	1463039	48.336	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	521276	47.330	ng		97
68) Hexachlorobenzene	10.957	284	567592	45.454	ng		98
69) Atrazine	11.051	200	362786	42.915	ng		98
70) Pentachlorophenol	11.145	266	383398	83.980	ng		99
71) Phenanthrene	11.374	178	2417558	47.753	ng		99
72) Anthracene	11.427	178	2370103	47.538	ng		100
73) Carbazole	11.574	167	2272076	46.527	ng		100
74) Di-n-butylphthalate	11.916	149	2595020	45.279	ng		100
75) Fluoranthene	12.557	202	2583438	44.310	ng		99
77) Benzidine	12.680	184	651097	53.639	ng		100
78) Pyrene	12.786	202	2651339	50.132	ng		100
80) Butylbenzylphthalate	13.415	149	1016502	52.235	ng		99
81) Benzo(a)anthracene	13.974	228	1991732	47.252	ng		100
82) 3,3'-Dichlorobenzidine	13.939	252	568561	44.708	ng		100
83) Chrysene	14.015	228	1774901	46.306	ng		99
84) Bis(2-ethylhexyl)phtha...	13.974	149	1230112	49.023	ng		100
85) Di-n-octyl phthalate	14.598	149	1740215	45.841	ng		99
87) Indeno(1,2,3-cd)pyrene	16.898	276	1799974	55.978	ng		100
88) Benzo(b)fluoranthene	15.021	252	1682869	47.050	ng		100
89) Benzo(k)fluoranthene	15.051	252	1382080	45.046	ng		100
90) Benzo(a)pyrene	15.386	252	1349208	48.174	ng		99
91) Dibenzo(a,h)anthracene	16.921	278	1451477	54.488	ng		99
92) Benzo(g,h,i)perylene	17.339	276	1537634	56.714	ng		99

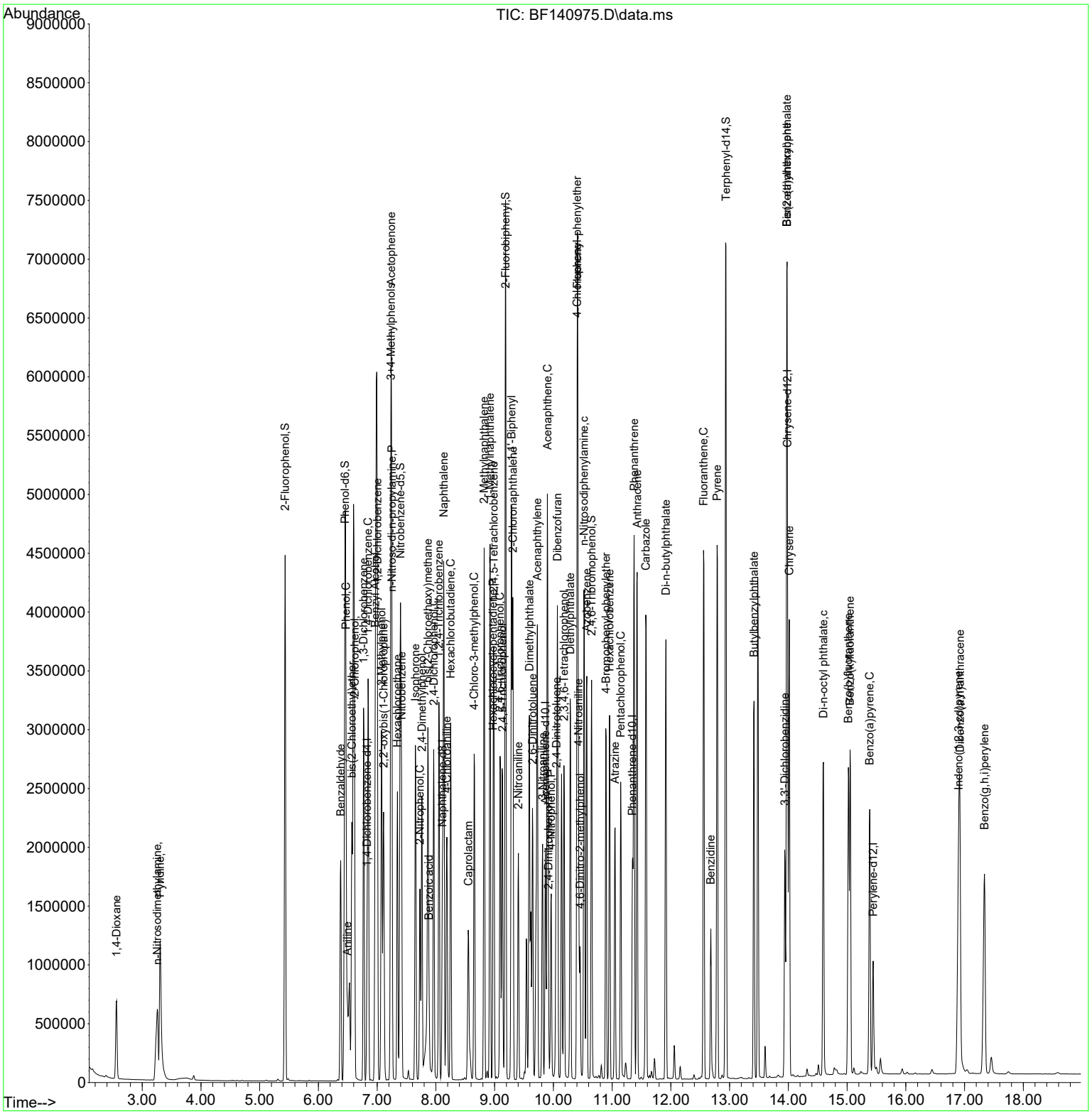
(#) = qualifier out of range (m) = manual integration (+) = signals summed

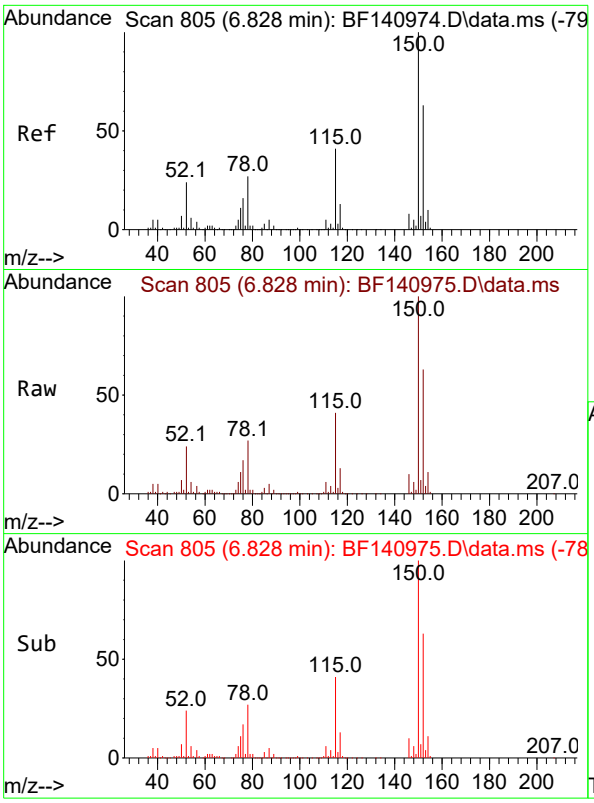
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140975.D
Acq On : 26 Dec 2024 18:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Dec 26 23:49:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration



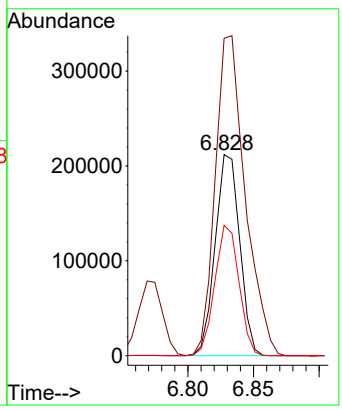


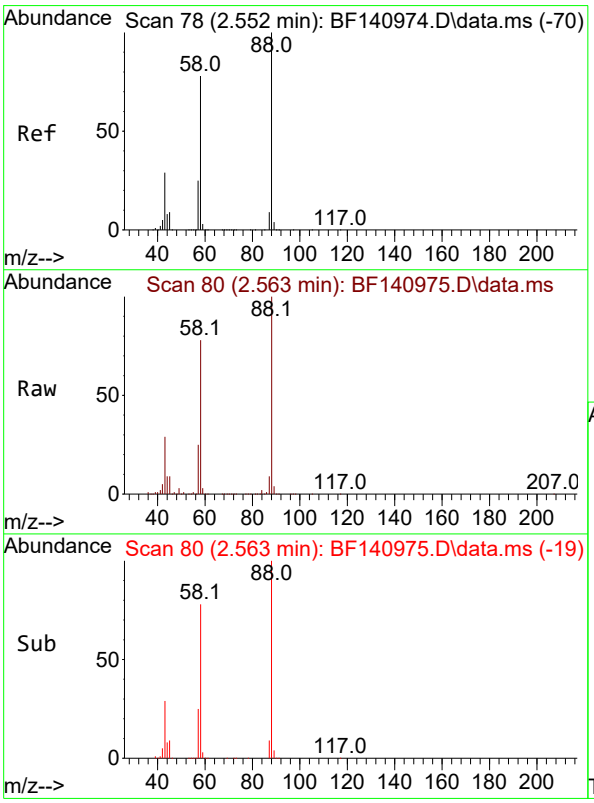
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 275845

Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.0	190.6
115	64.8	51.7	77.5

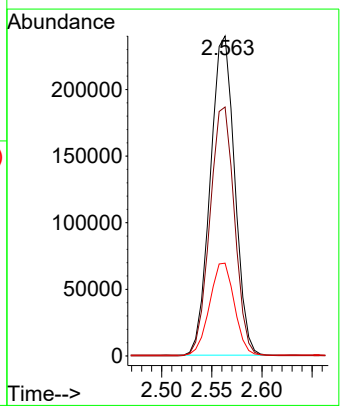


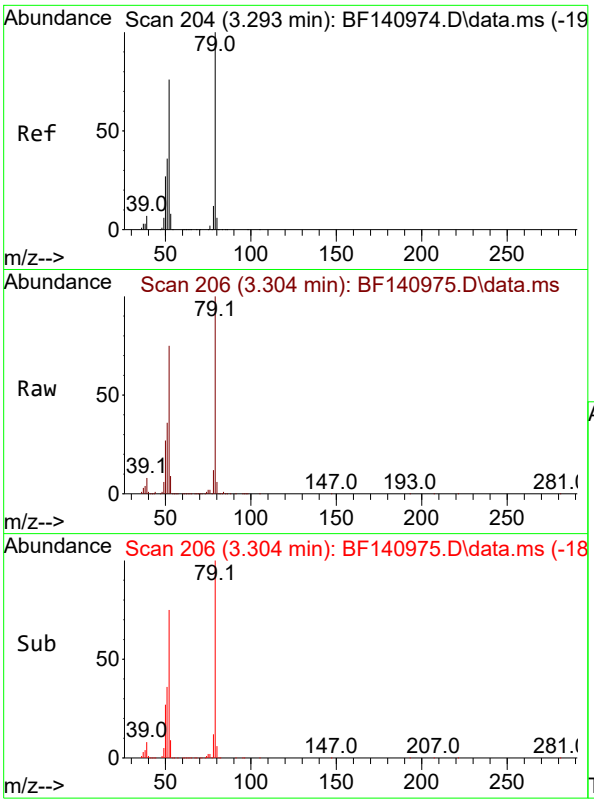


#2
1,4-Dioxane
Concen: 56.045 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.012 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 88 Resp: 404513

Ion	Ratio	Lower	Upper
88	100		
58	78.9	63.0	94.4
43	29.4	23.4	35.2



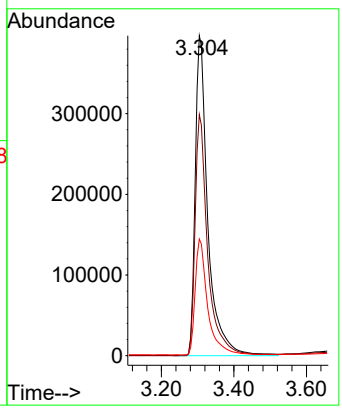


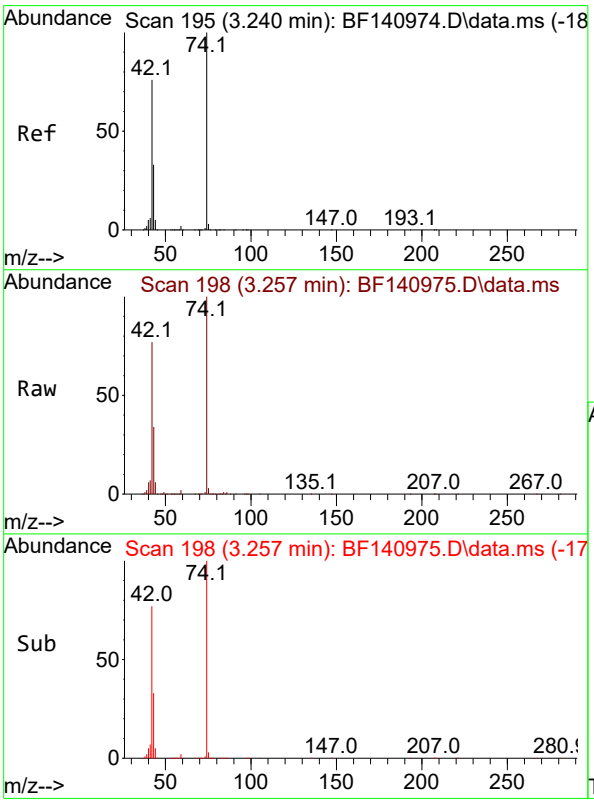
#3
Pyridine
Concen: 57.494 ng
RT: 3.304 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 961017

Ion	Ratio	Lower	Upper
79	100		
52	75.4	60.4	90.6
51	36.4	28.8	43.2

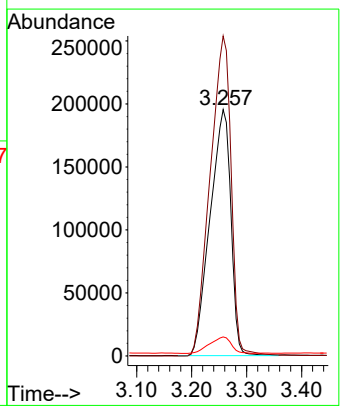


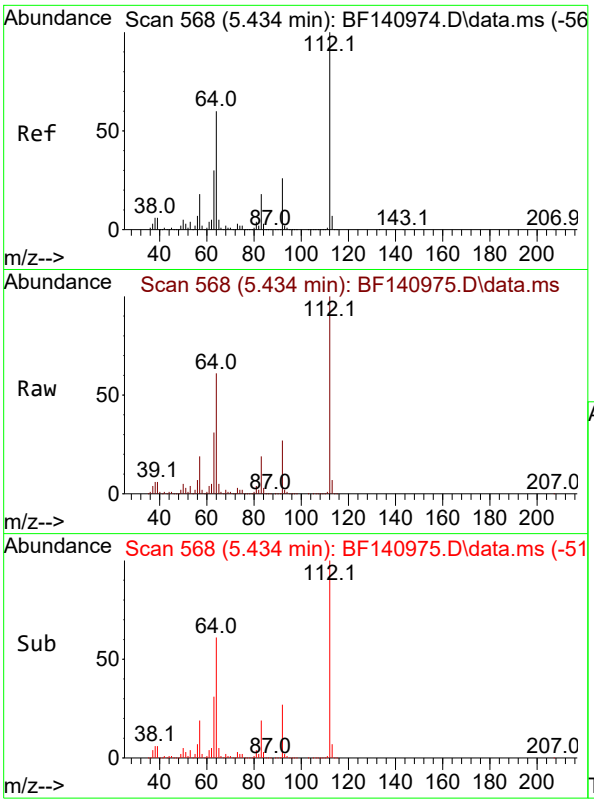


#4
n-Nitrosodimethylamine
Concen: 60.733 ng
RT: 3.257 min Scan# 198
Delta R.T. 0.017 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 42 Resp: 511762

Ion	Ratio	Lower	Upper
42	100		
74	129.9	105.8	158.6
44	7.7	6.6	10.0



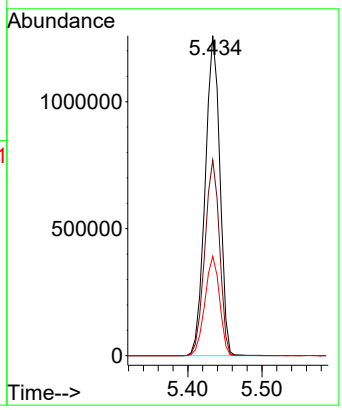


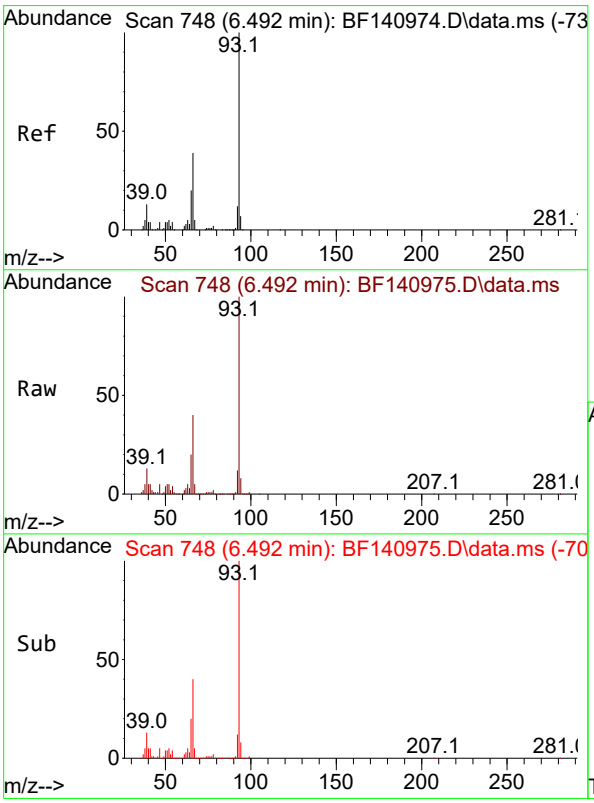
#5
2-Fluorophenol
Concen: 103.559 ng
RT: 5.434 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1735294

Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.7	71.5
63	31.1	24.2	36.2

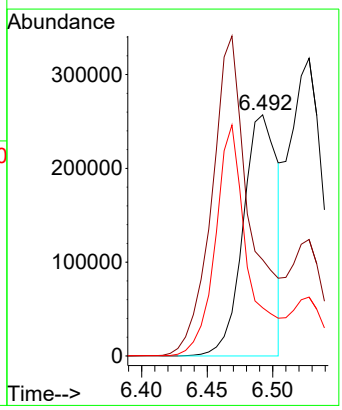


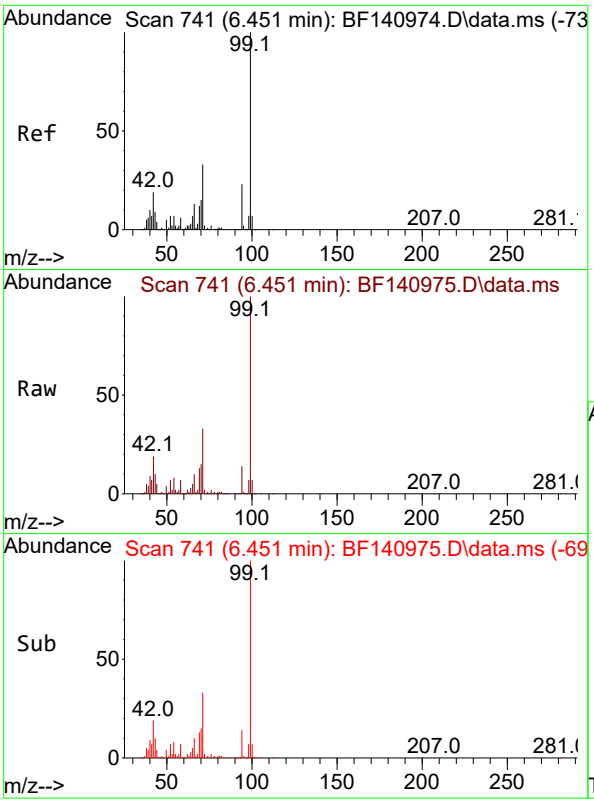


#6
Aniline
Concen: 24.448 ng
RT: 6.492 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 93 Resp: 463947

Ion	Ratio	Lower	Upper
93	100		
66	39.9	31.8	47.8
65	20.0	15.4	23.0



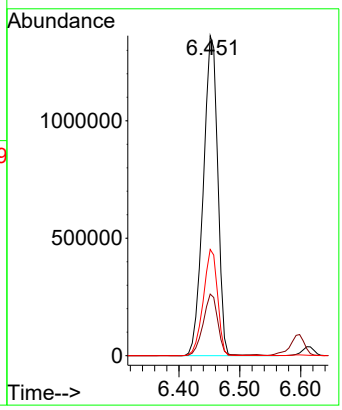


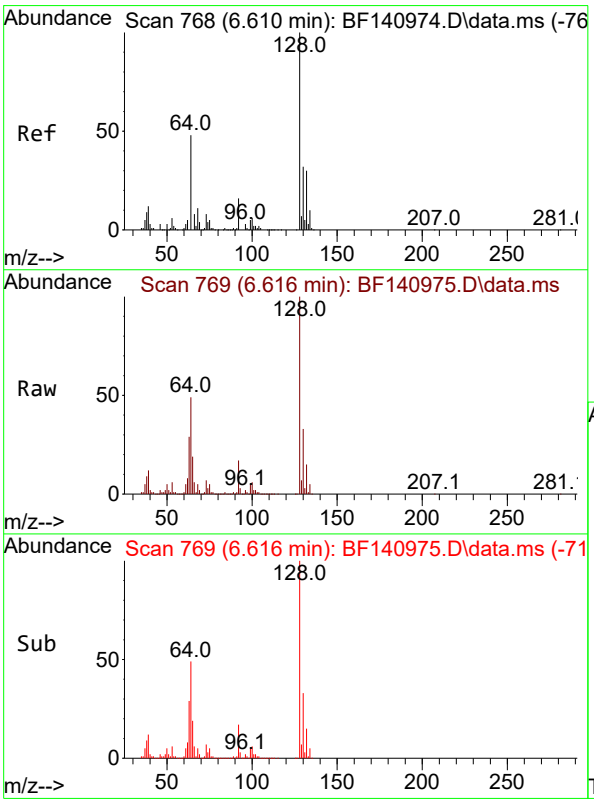
#7
Phenol-d6
Concen: 100.959 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2240716

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.0	22.4
71	33.2	26.2	39.2

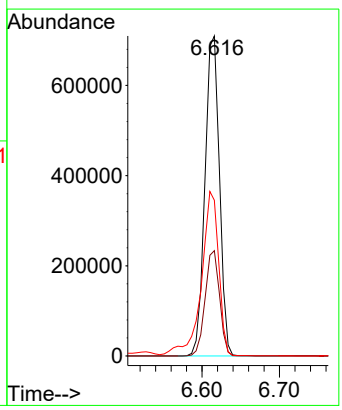


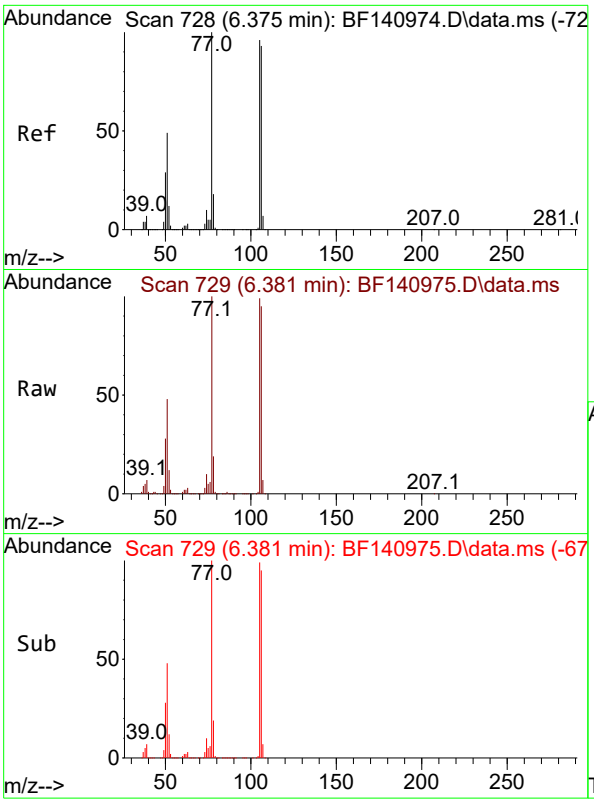


#8
2-Chlorophenol
Concen: 50.460 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:128 Resp: 922056

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.2	52.2
64	48.6	30.3	70.3



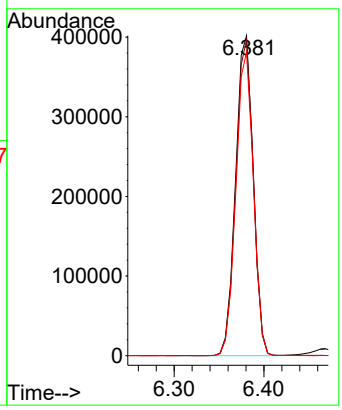


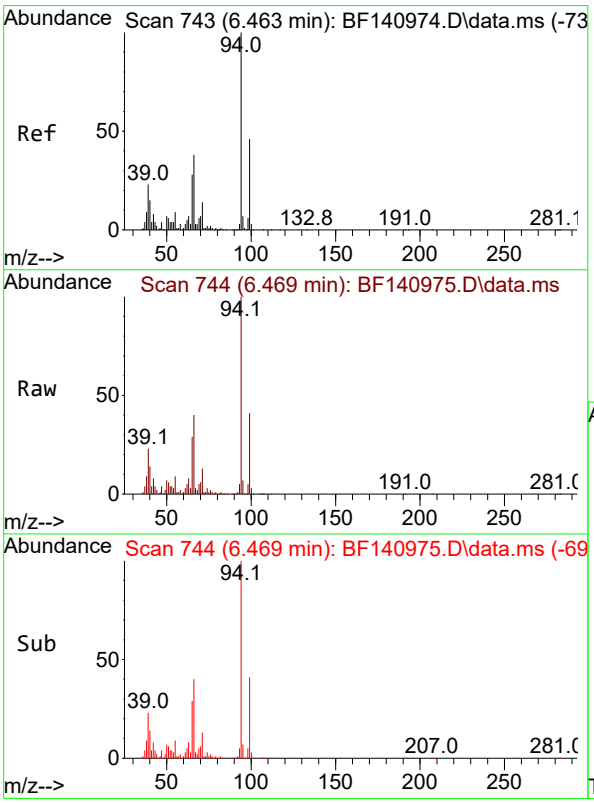
#9
Benzaldehyde
Concen: 44.438 ng
RT: 6.381 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 546478

Ion	Ratio	Lower	Upper
77	100		
105	98.8	76.2	116.2
106	94.8	73.4	113.4

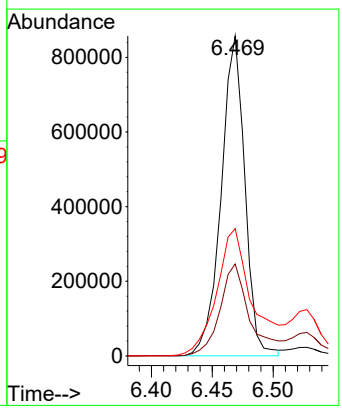


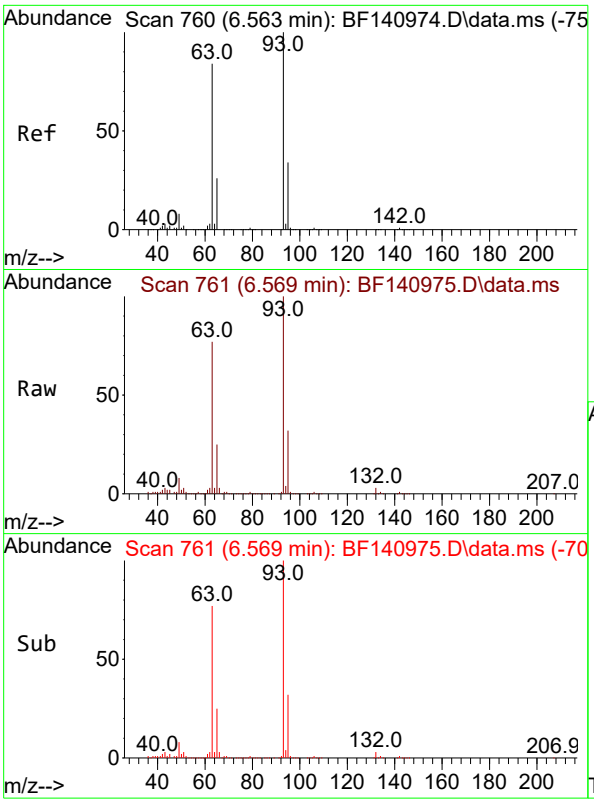


#10
Phenol
Concen: 50.450 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 94 Resp: 1160486

Ion	Ratio	Lower	Upper
94	100		
65	28.7	8.1	48.1
66	39.8	18.7	58.7



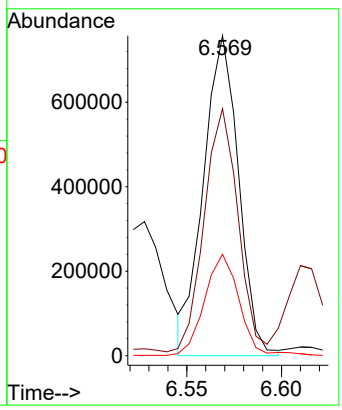


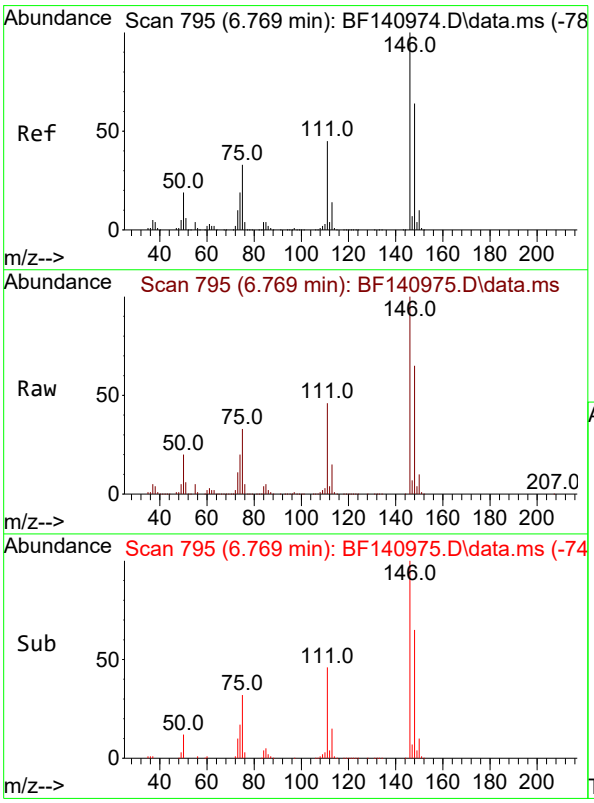
#11
bis(2-Chloroethyl)ether
Concen: 56.930 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 976603

Ion	Ratio	Lower	Upper
93	100		
63	77.2	60.3	100.3
95	31.7	12.2	52.2

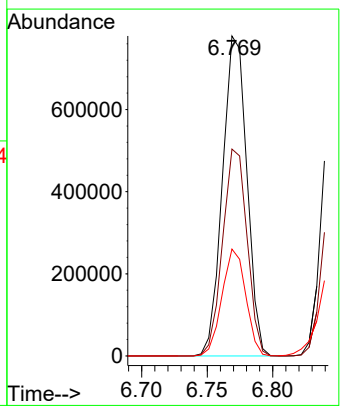


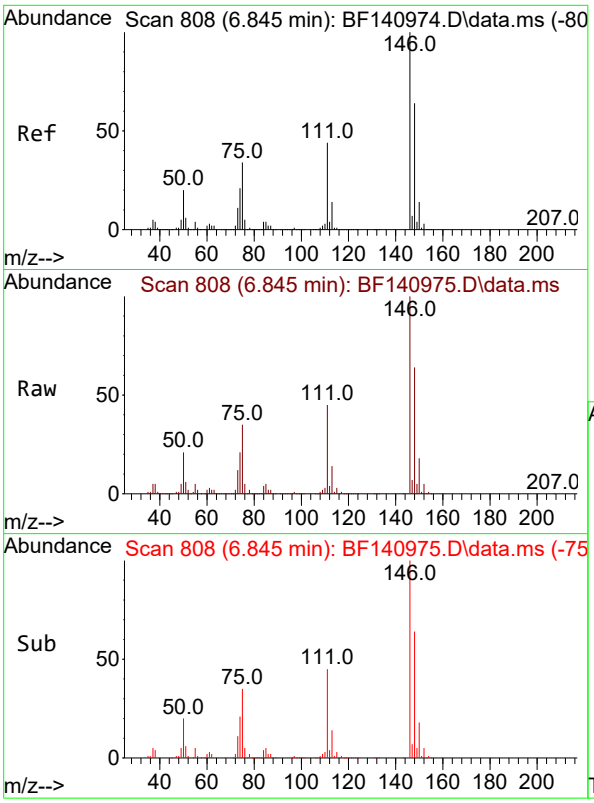


#12
1,3-Dichlorobenzene
Concen: 48.433 ng
RT: 6.769 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:146 Resp: 1008461

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.4
75	33.4	26.1	39.1



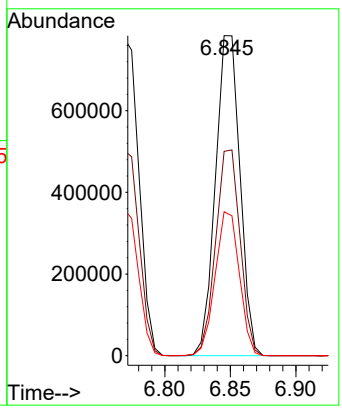


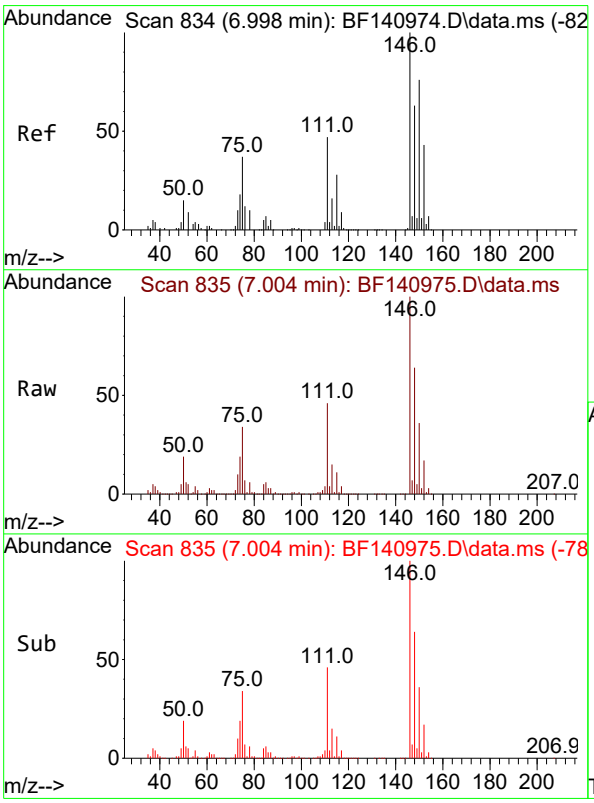
#13
1,4-Dichlorobenzene
Concen: 48.206 ng
RT: 6.845 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 1018871

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.3	76.9
111	45.0	35.3	52.9

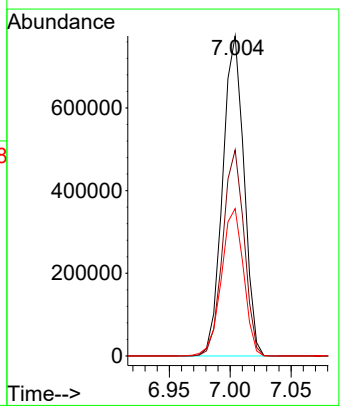


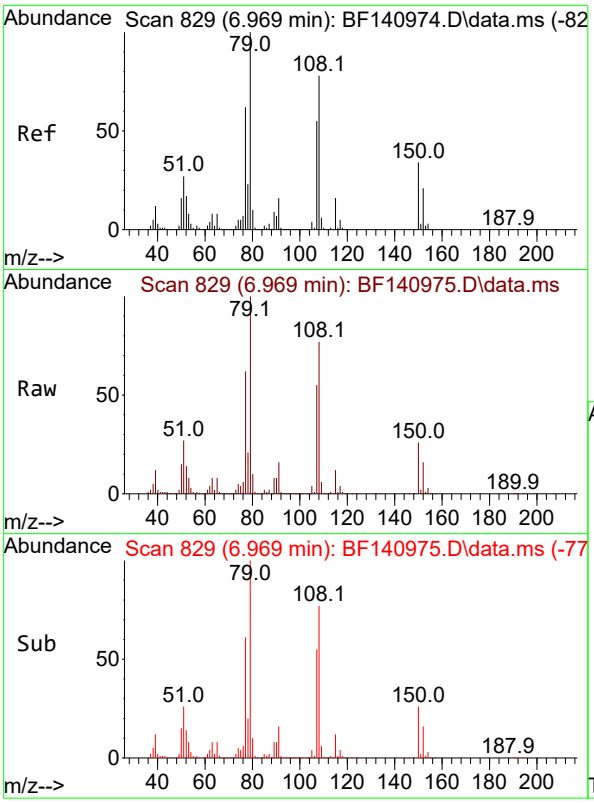


#14
1,2-Dichlorobenzene
Concen: 47.253 ng
RT: 7.004 min Scan# 835
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:146 Resp: 942310

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.6	76.0
111	46.1	37.3	55.9



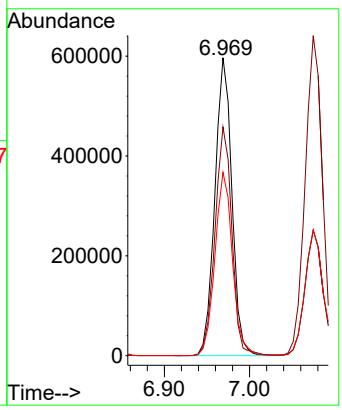


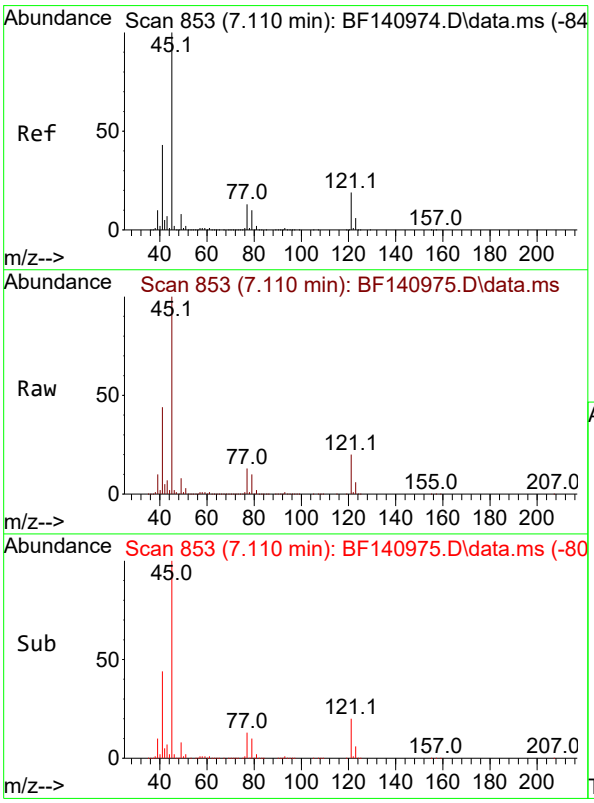
#15
Benzyl Alcohol
Concen: 52.085 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 826544

Ion	Ratio	Lower	Upper
79	100		
108	76.8	62.5	93.7
77	61.5	49.3	73.9

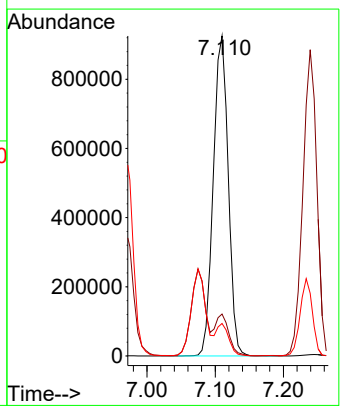


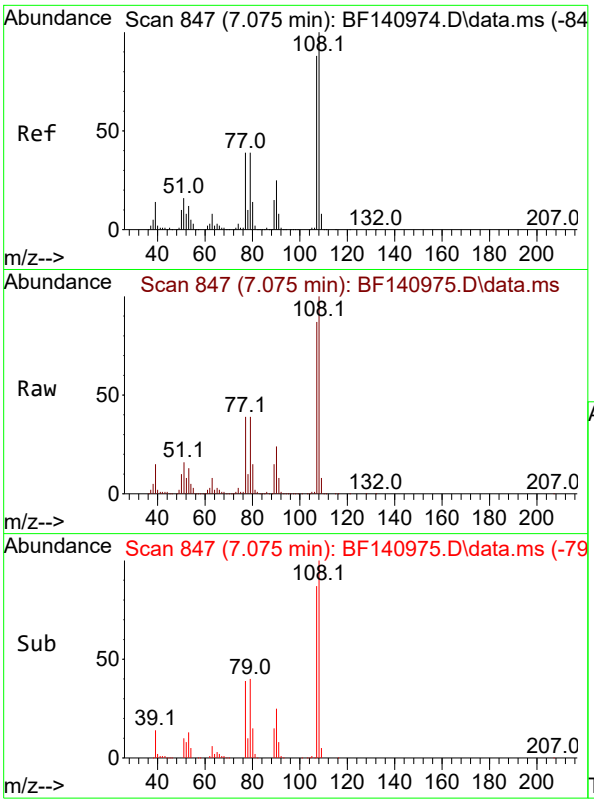


#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.879 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 45 Resp: 1412151

Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	33.1
79	10.2	0.0	30.1



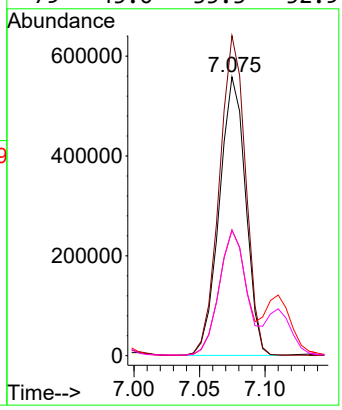


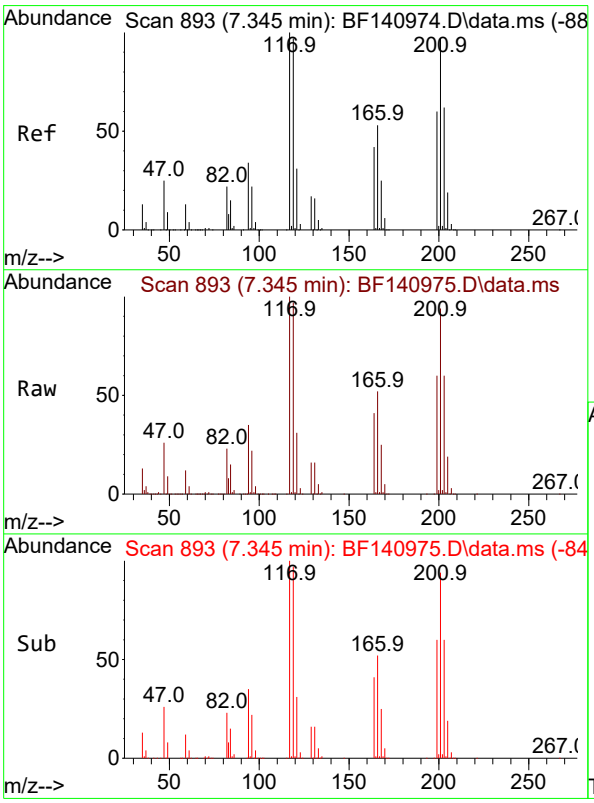
#17
2-Methylphenol
Concen: 53.165 ng
RT: 7.075 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 775619

Ion	Ratio	Lower	Upper
107	100		
108	114.8	90.6	136.0
77	45.1	35.3	52.9
79	45.0	35.3	52.9

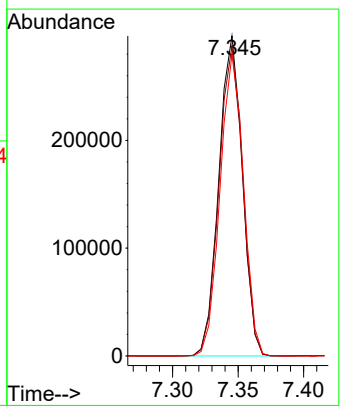


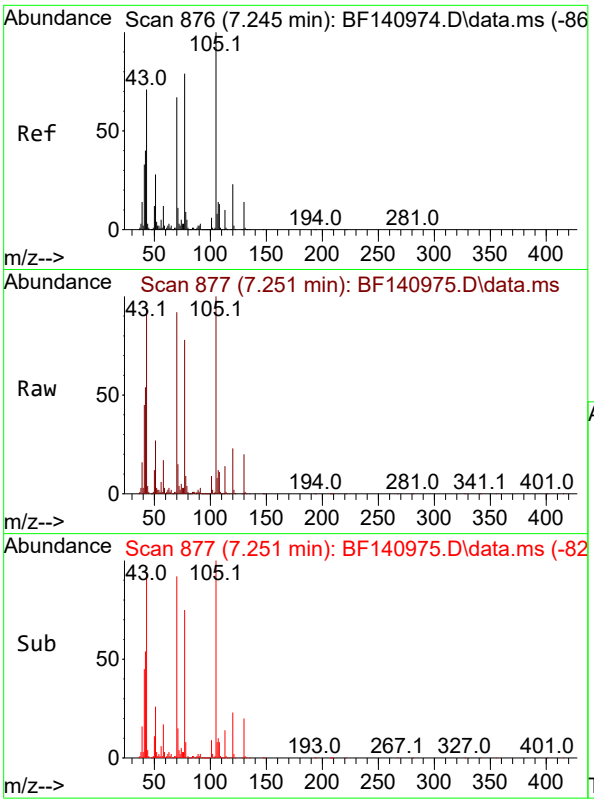


#18
Hexachloroethane
Concen: 47.165 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:117 Resp: 371106

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
201	94.2	77.4	116.2



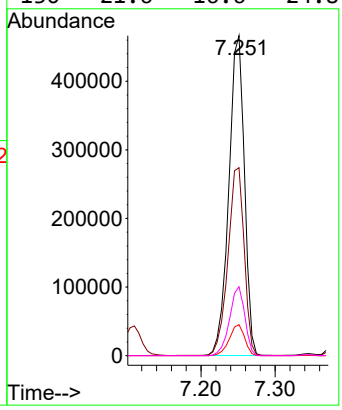


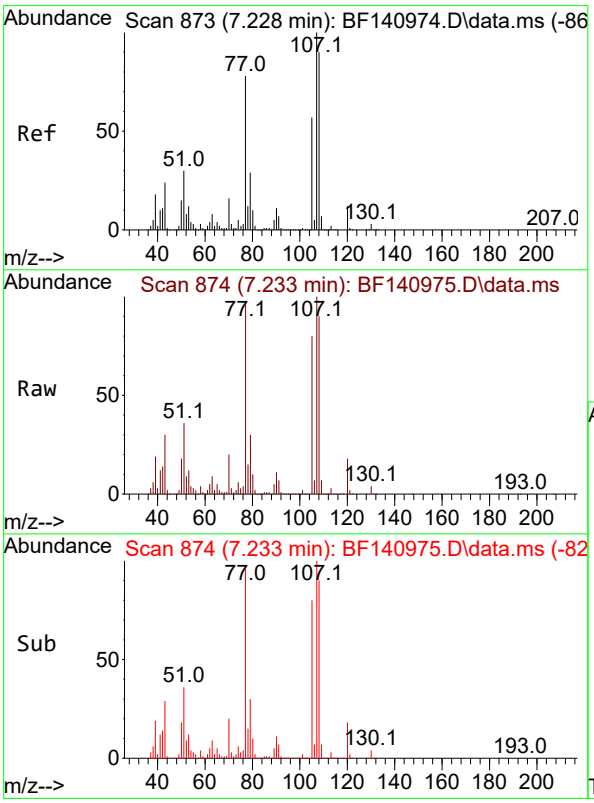
#19
n-Nitroso-di-n-propylamine
Concen: 51.197 ng
RT: 7.251 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 681599

Ion	Ratio	Lower	Upper
70	100		
42	58.8	48.1	72.1
101	9.7	7.6	11.4
130	21.6	16.6	24.8

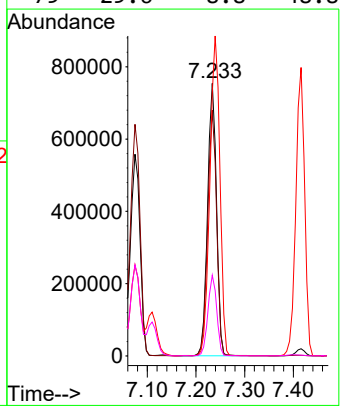


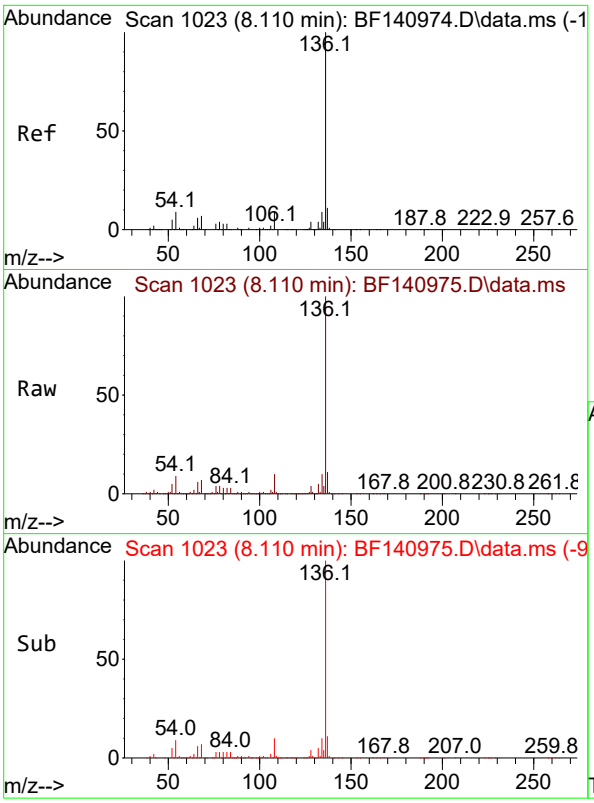


#20
3+4-Methylphenols
Concen: 49.450 ng
RT: 7.233 min Scan# 874
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:107 Resp: 956631

Ion	Ratio	Lower	Upper
107	100		
108	90.1	69.6	109.6
77	96.2	57.6	97.6
79	29.6	8.8	48.8



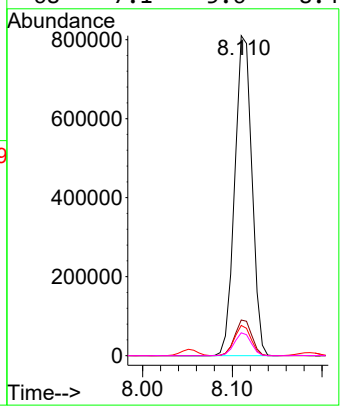


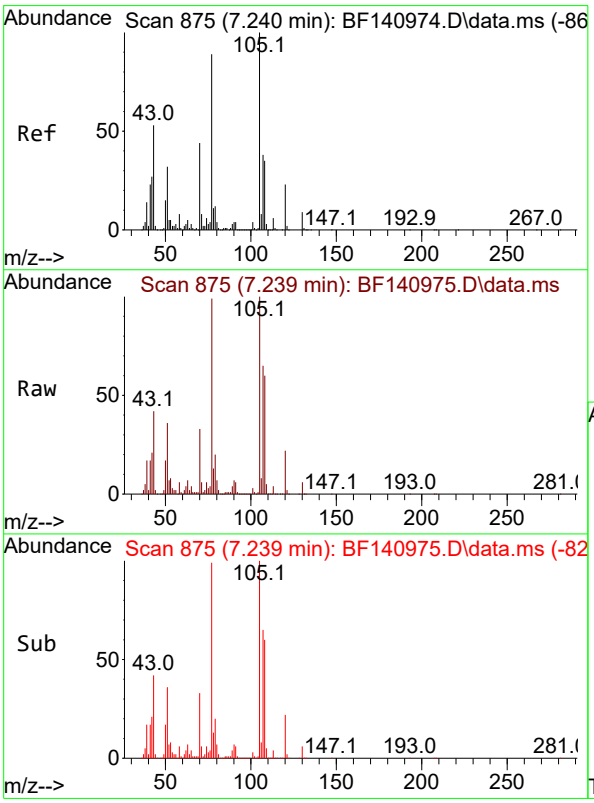
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1074985

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.4	7.6	11.4
68	7.1	5.6	8.4

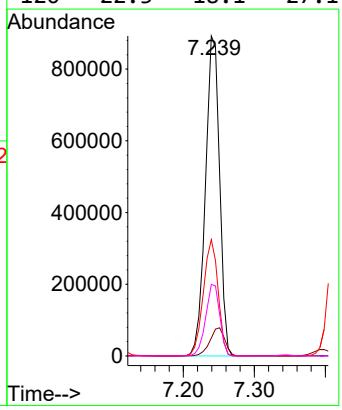


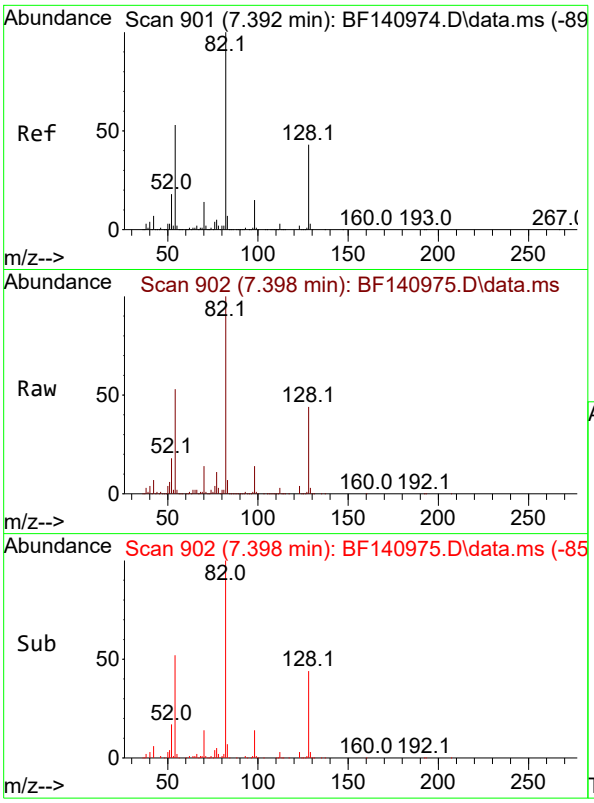


#22
Acetophenone
Concen: 45.884 ng
RT: 7.239 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:105 Resp: 1233868

Ion	Ratio	Lower	Upper
105	100		
71	5.6	6.1	9.1#
51	36.3	25.8	38.6
120	22.3	18.1	27.1



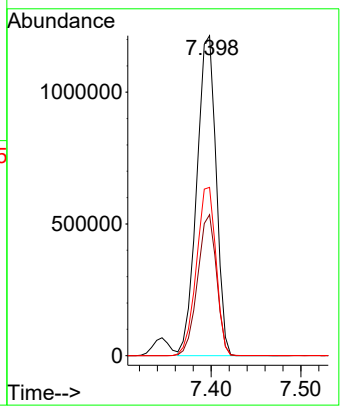


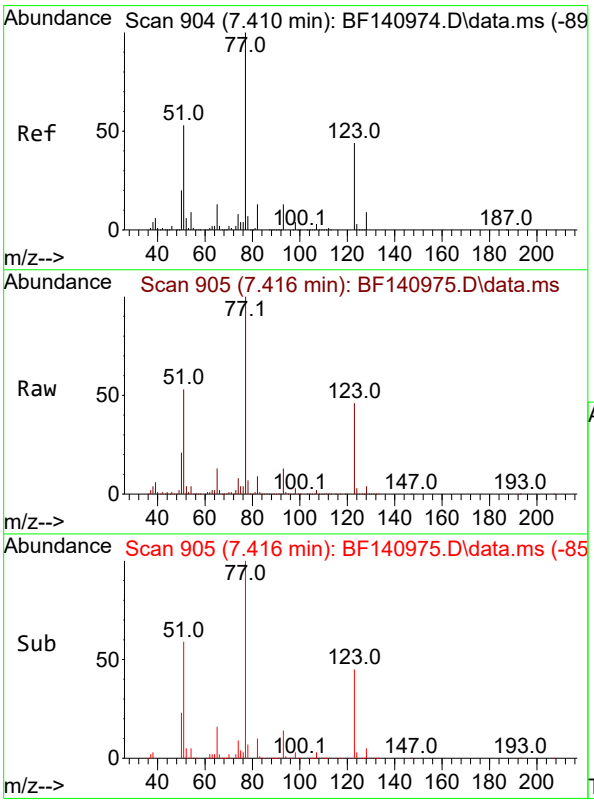
#23
Nitrobenzene-d5
Concen: 84.441 ng
RT: 7.398 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1814319

Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.4	51.6
54	52.6	42.4	63.6

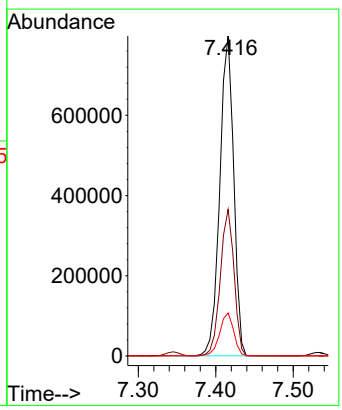


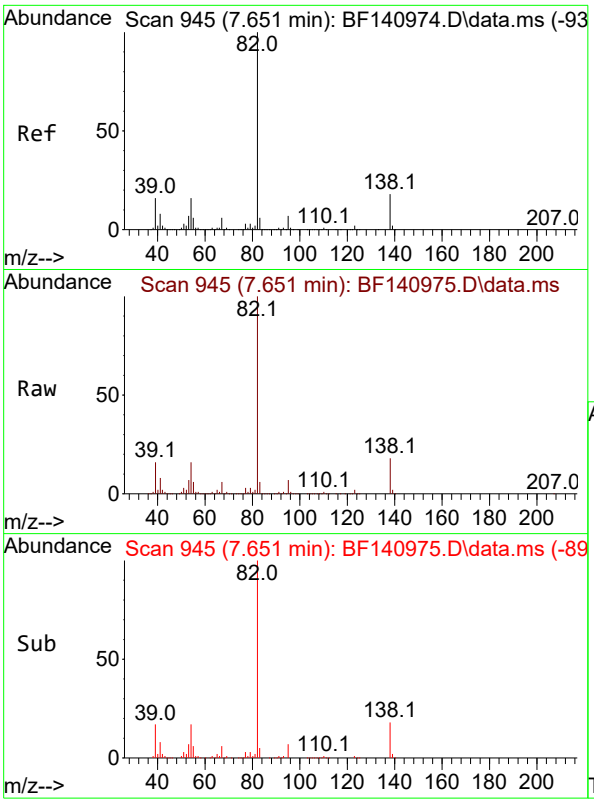


#24
Nitrobenzene
Concen: 45.314 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 77 Resp: 997447

Ion	Ratio	Lower	Upper
77	100		
123	45.8	35.4	53.2
65	13.5	10.7	16.1



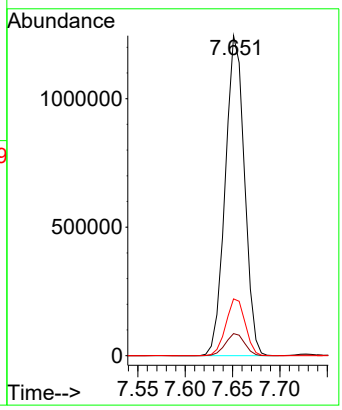


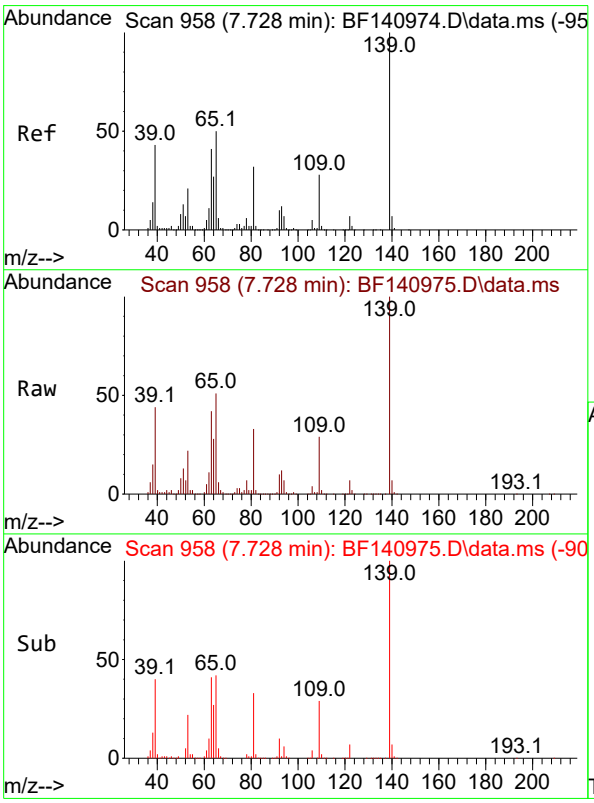
#25
Isophorone
Concen: 48.832 ng
RT: 7.651 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1758021

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.6	8.4
138	17.7	14.6	21.8

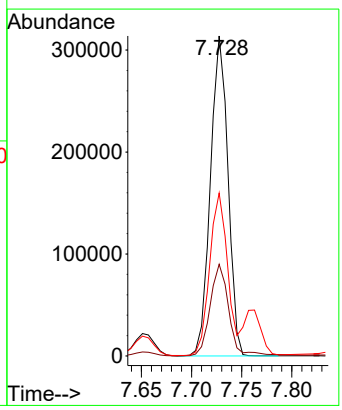


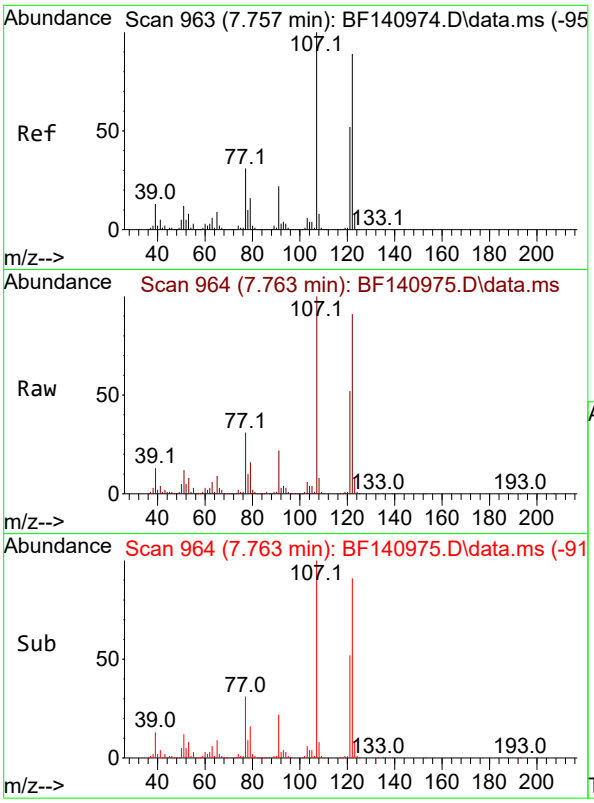


#26
2-Nitrophenol
Concen: 37.595 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:139 Resp: 381135

Ion	Ratio	Lower	Upper
139	100		
109	28.7	22.2	33.4
65	50.9	40.2	60.4



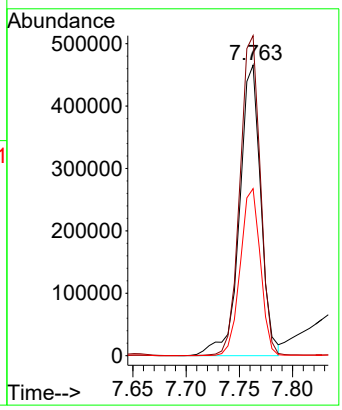


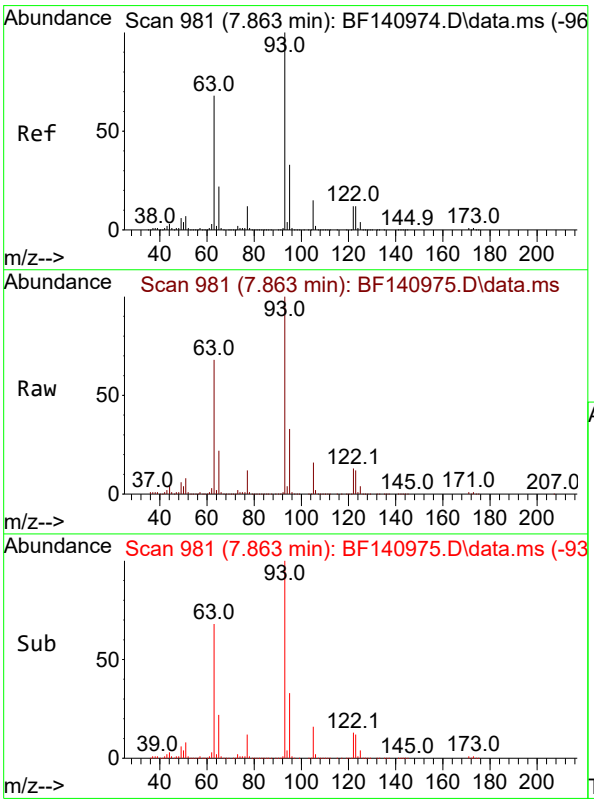
#27
2,4-Dimethylphenol
Concen: 54.736 ng
RT: 7.763 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 648052

Ion	Ratio	Lower	Upper
122	100		
107	110.1	89.4	134.2
121	57.5	46.7	70.1

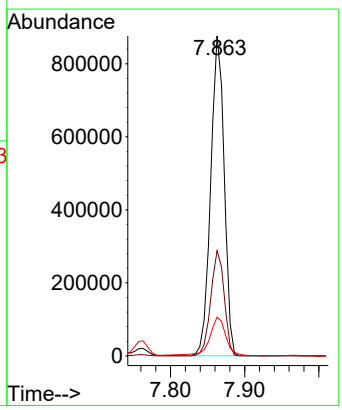


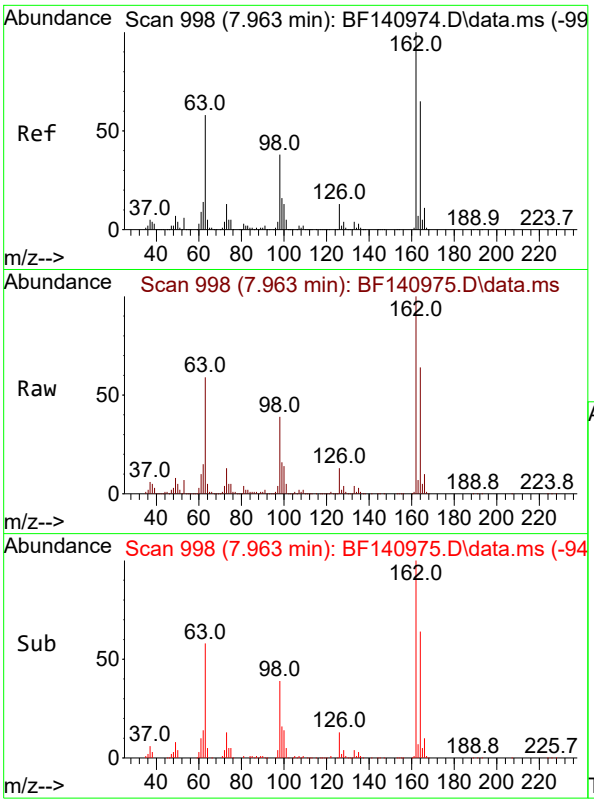


#28
bis(2-Chloroethoxy)methane
Concen: 49.270 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 93 Resp: 1107863

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.4
123	12.1	9.9	14.9



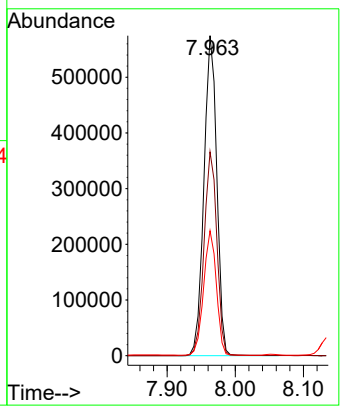


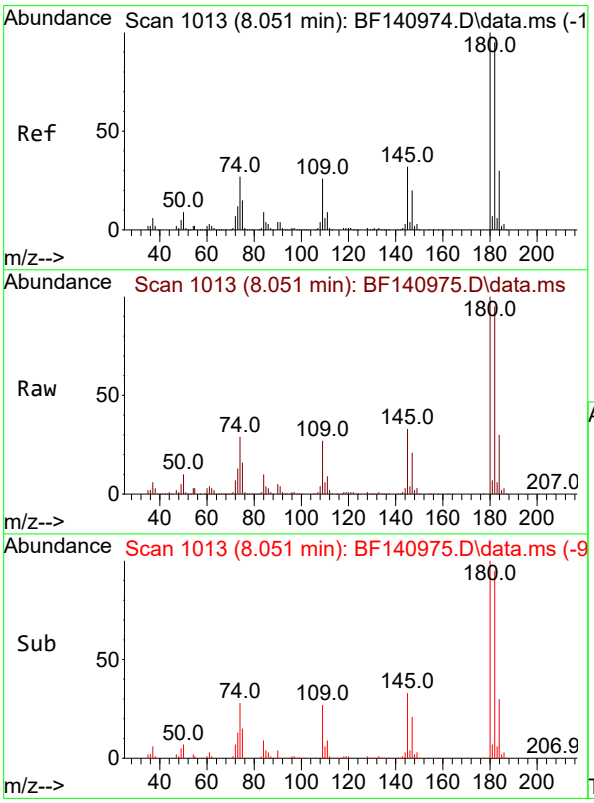
#29
2,4-Dichlorophenol
Concen: 46.216 ng
RT: 7.963 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 755436

Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.8	84.8
98	39.1	18.6	58.6

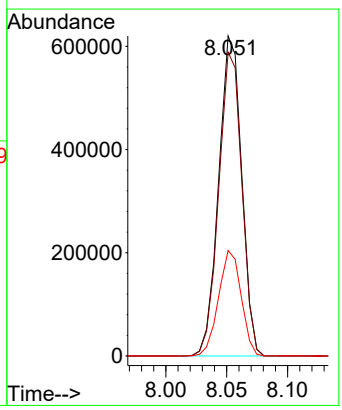


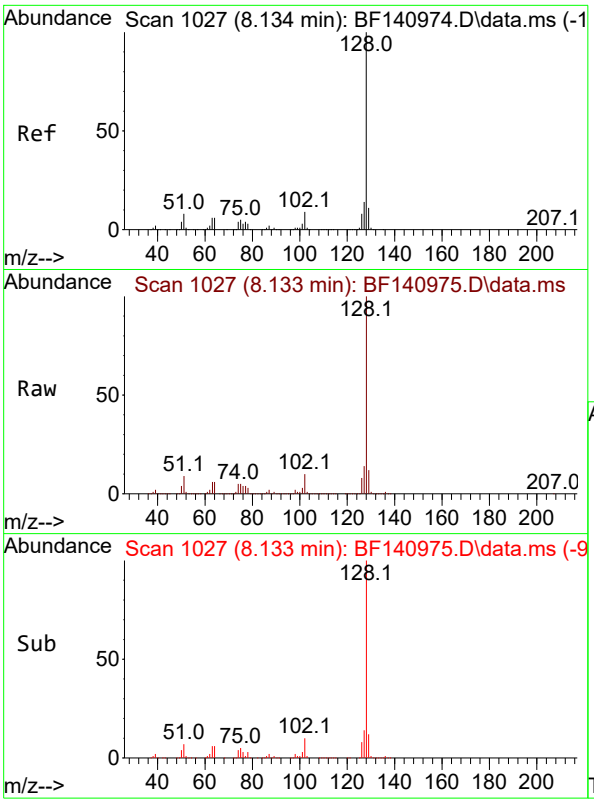


#30
1,2,4-Trichlorobenzene
Concen: 43.538 ng
RT: 8.051 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:180 Resp: 815821

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.4
145	32.9	25.4	38.2



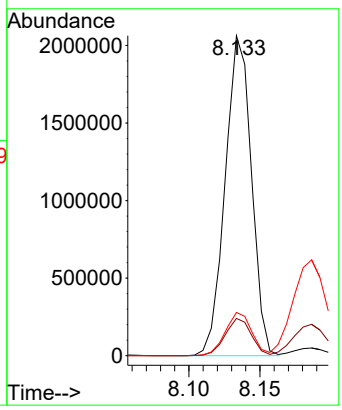


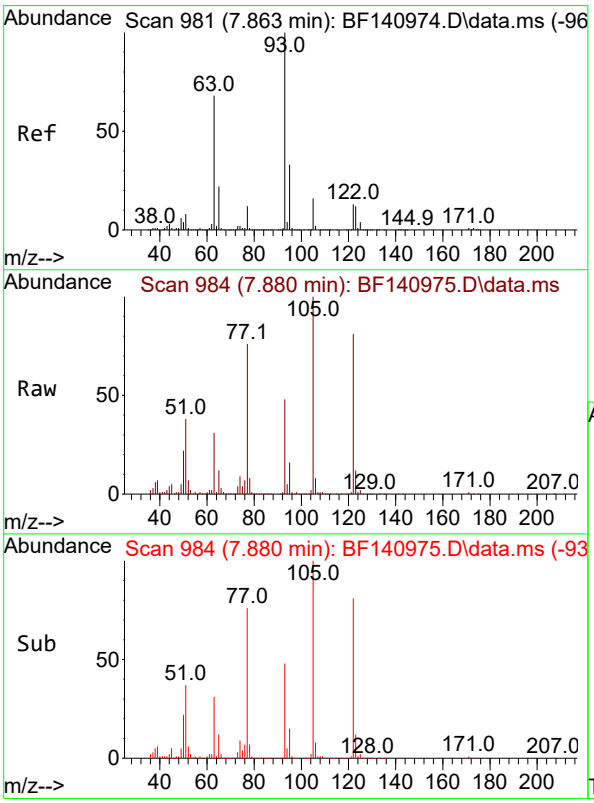
#31
Naphthalene
Concen: 44.995 ng
RT: 8.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 2656943

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.2	13.8
127	13.5	11.0	16.4

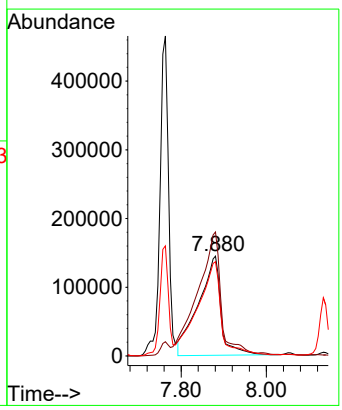


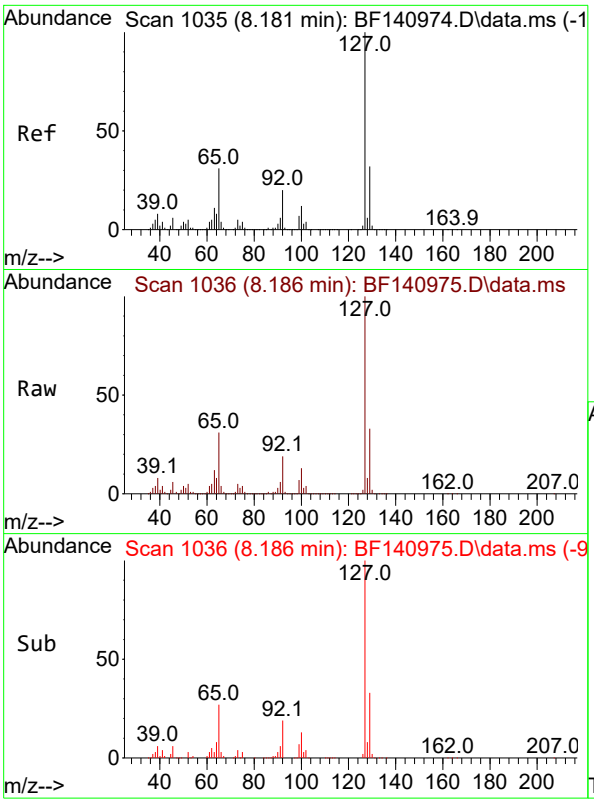


#32
Benzoic acid
Concen: 47.502 ng
RT: 7.880 min Scan# 984
Delta R.T. 0.017 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:122 Resp: 533388

Ion	Ratio	Lower	Upper
122	100		
105	124.1	105.4	145.4
77	94.3	76.4	116.4



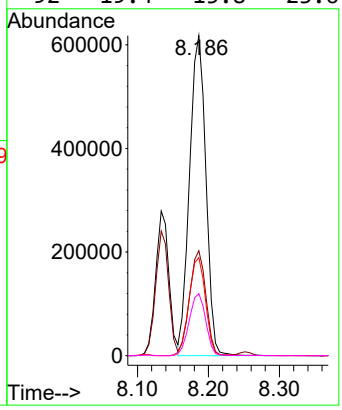


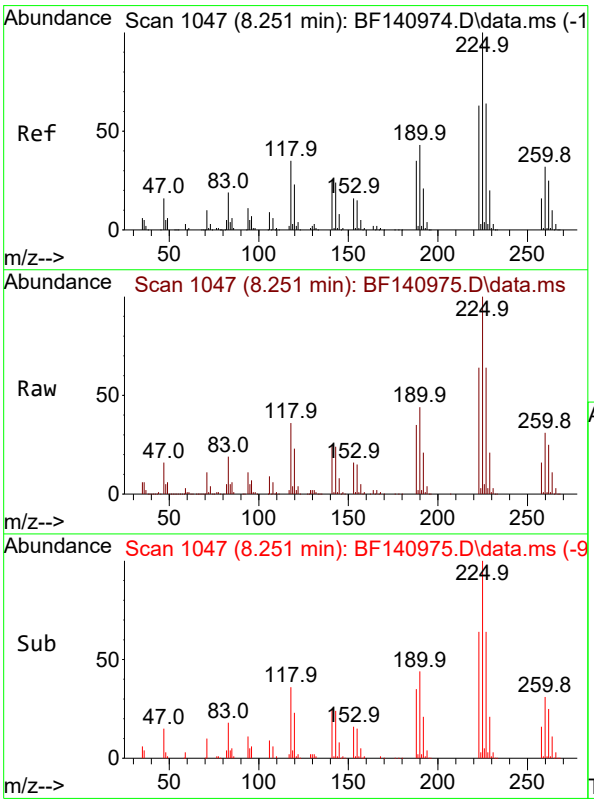
#33
4-Chloroaniline
Concen: 50.398 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 988410

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.1	39.1
65	30.6	24.6	37.0
92	19.4	15.8	23.6

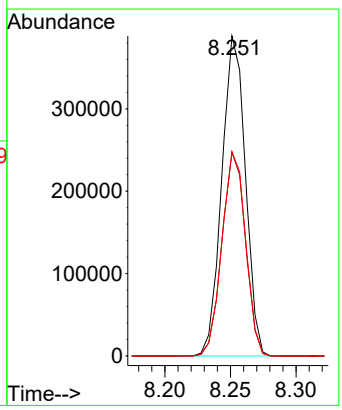


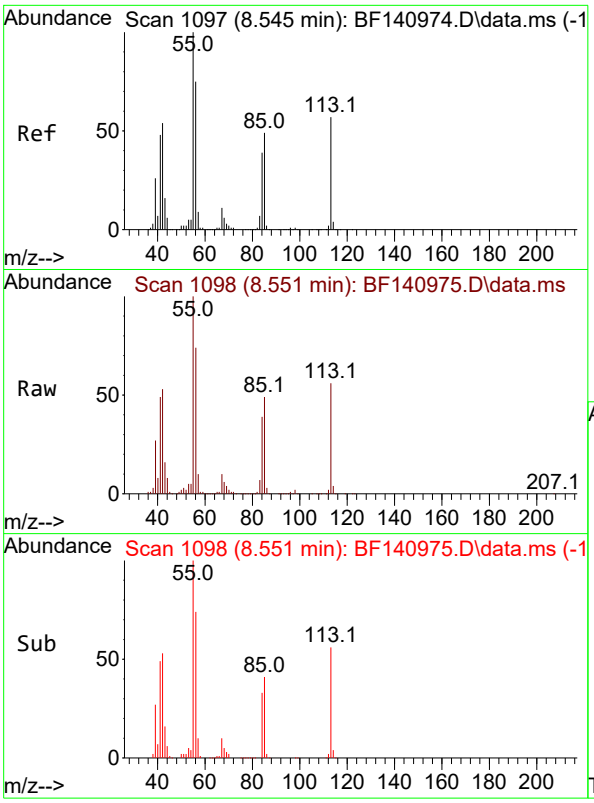


#34
Hexachlorobutadiene
Concen: 38.512 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:225 Resp: 485520

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	63.9	50.8	76.2



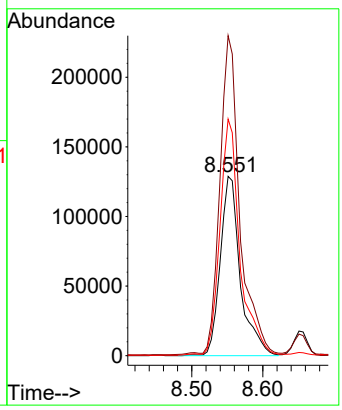


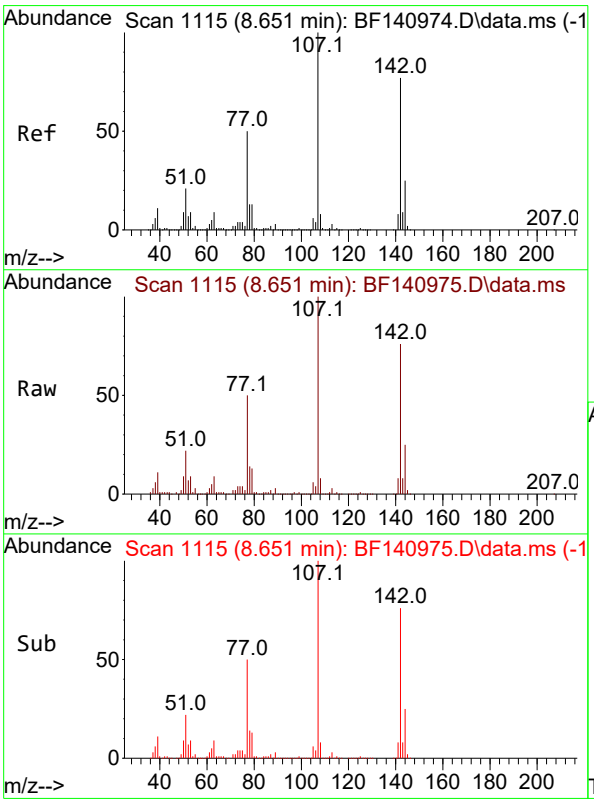
#35
Caprolactam
Concen: 51.888 ng
RT: 8.551 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 252501

Ion	Ratio	Lower	Upper
113	100		
55	178.4	156.6	196.6
56	132.0	111.7	151.7

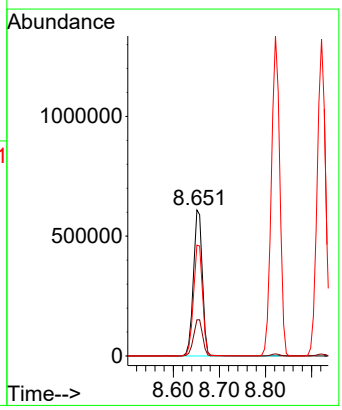


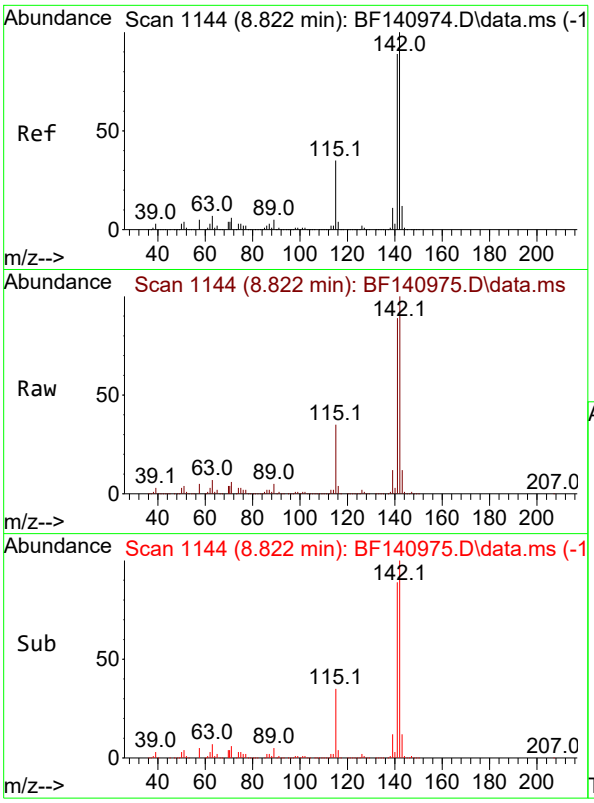


#36
4-Chloro-3-methylphenol
Concen: 44.451 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:107 Resp: 817788

Ion	Ratio	Lower	Upper
107	100		
144	24.8	19.9	29.9
142	75.9	61.8	92.8



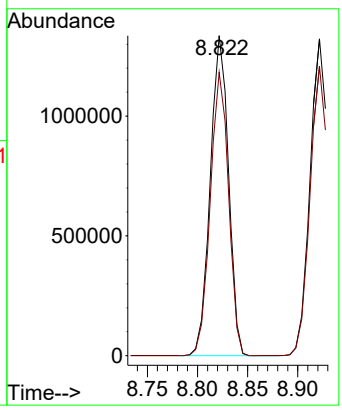


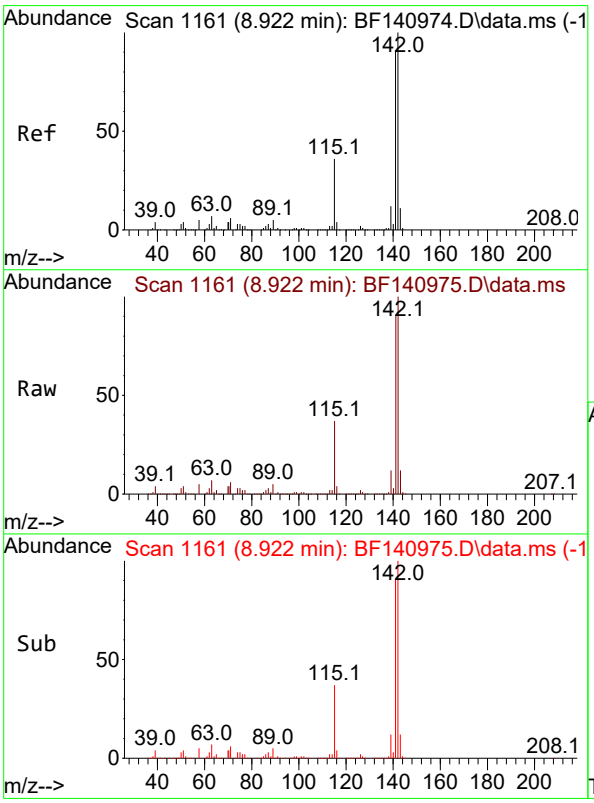
#37
2-Methylnaphthalene
Concen: 43.302 ng
RT: 8.822 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1691438

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.1	106.7

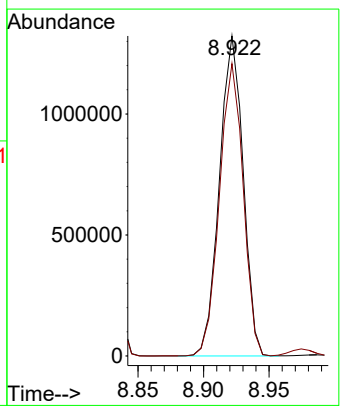


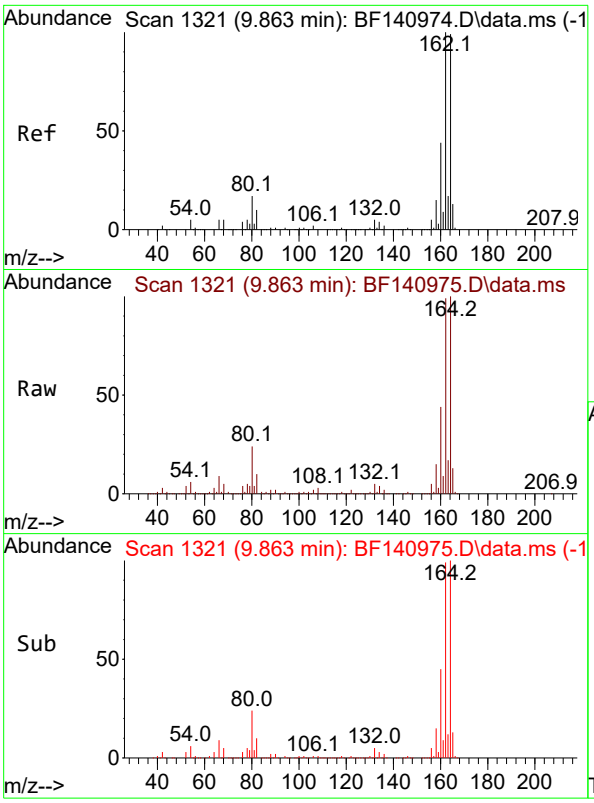


#38
1-Methylnaphthalene
Concen: 42.967 ng
RT: 8.922 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:142 Resp: 1659875

Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.7	109.1



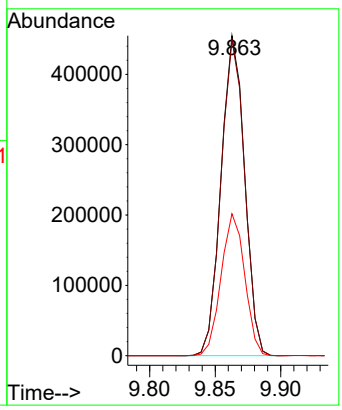


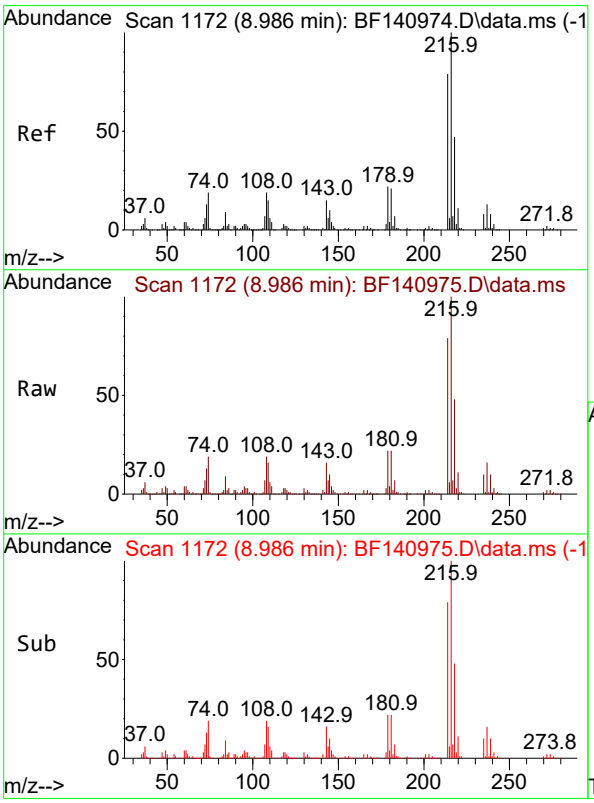
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 568540

Ion	Ratio	Lower	Upper
164	100		
162	98.7	80.6	120.8
160	44.3	35.7	53.5

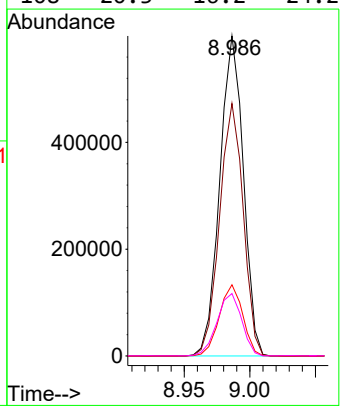


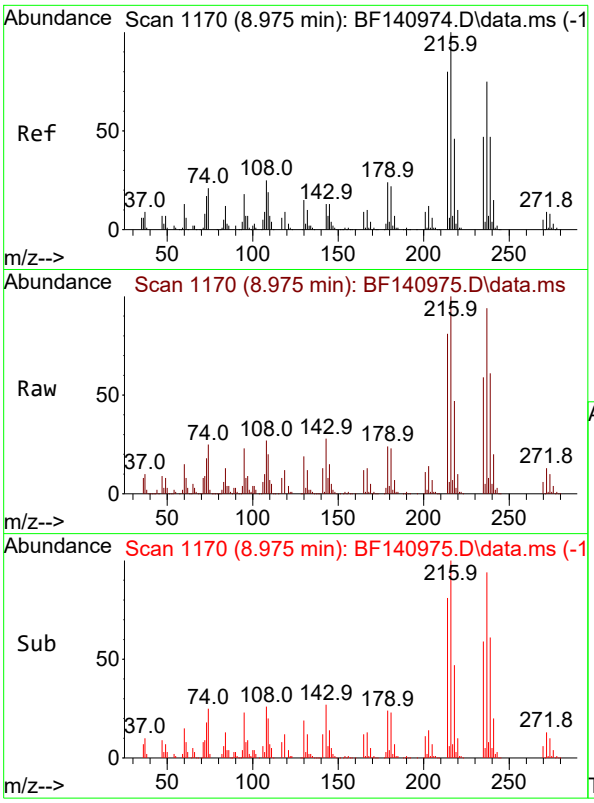


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.835 ng
RT: 8.986 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:216 Resp: 748540

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.6
179	22.2	17.9	26.9
108	20.3	16.2	24.2



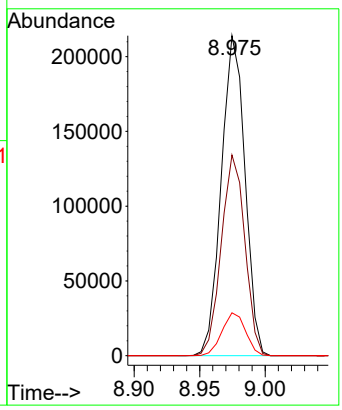


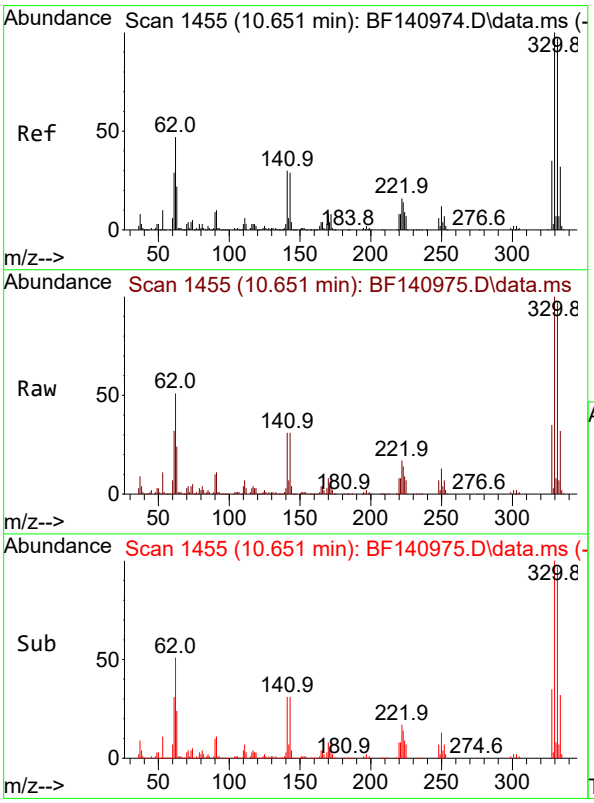
#41
Hexachlorocyclopentadiene
Concen: 61.611 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 268748

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.4	83.4
272	13.4	0.0	32.6

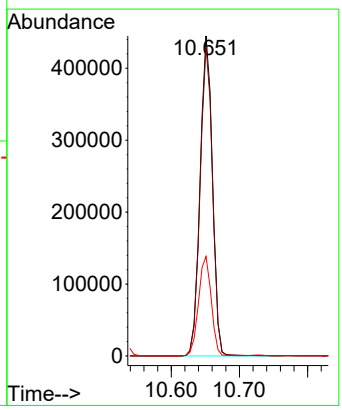


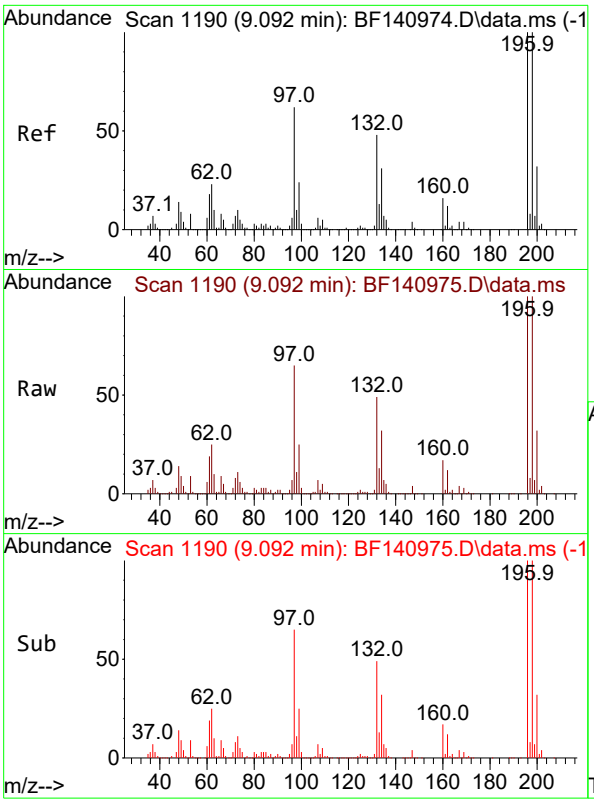


#42
2,4,6-Tribromophenol
Concen: 83.523 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:330 Resp: 561625

Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.0	117.0
141	31.9	26.4	39.6



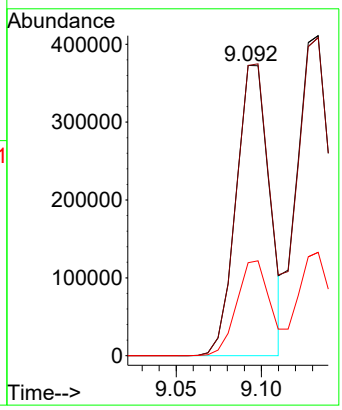


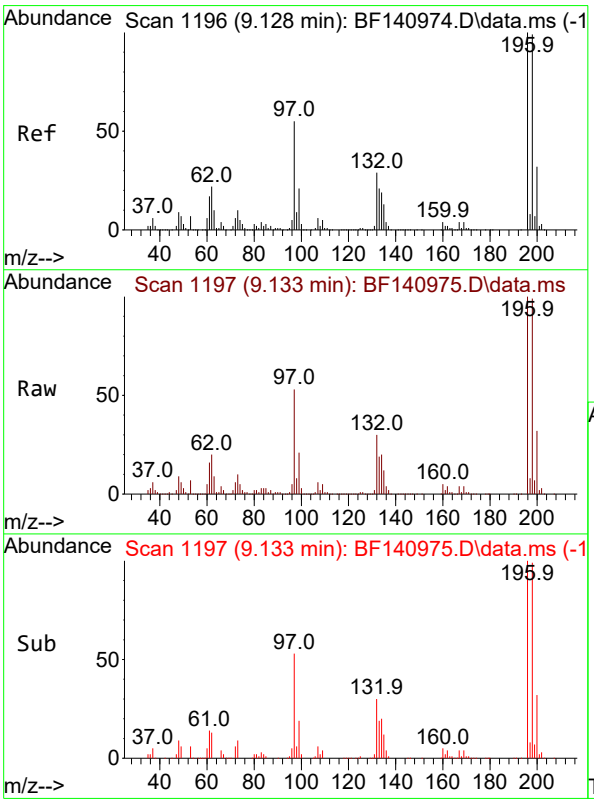
#43
2,4,6-Trichlorophenol
Concen: 47.275 ng
RT: 9.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 505859

Ion	Ratio	Lower	Upper
196	100		
198	100.0	80.2	120.4
200	32.0	25.8	38.6

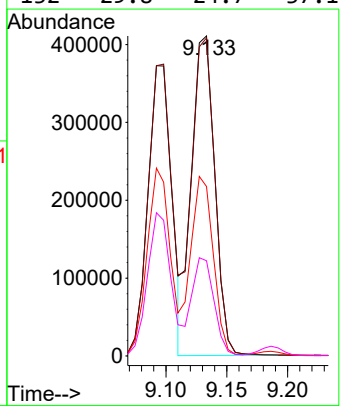


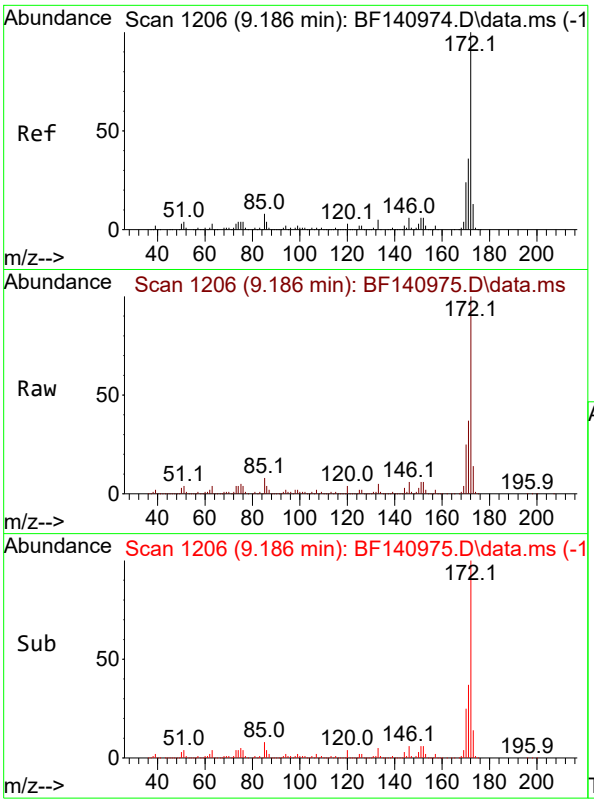


#44
2,4,5-Trichlorophenol
Concen: 46.654 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:196 Resp: 548701

Ion	Ratio	Lower	Upper
196	100		
198	99.4	79.9	119.9
97	53.0	44.3	66.5
132	29.8	24.7	37.1



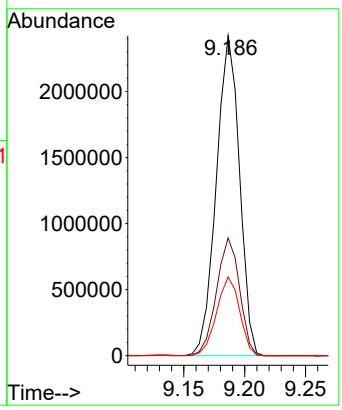


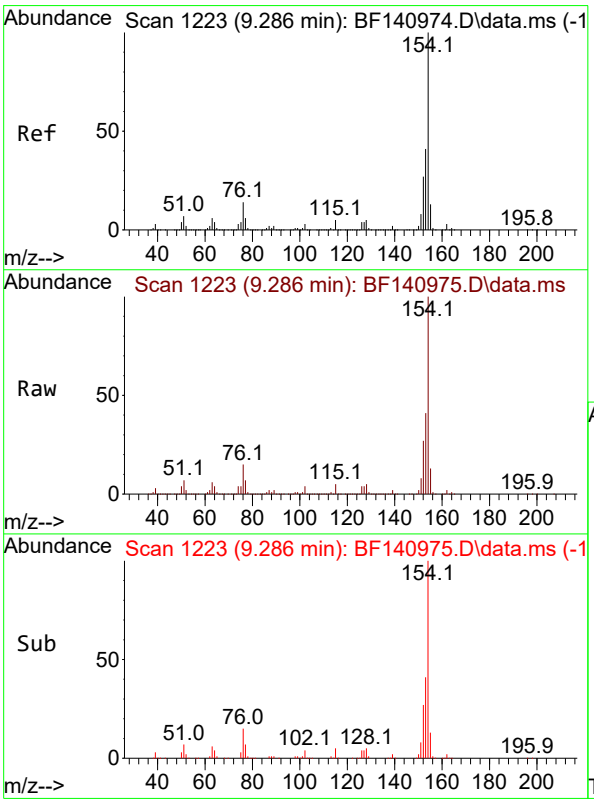
#45
2-Fluorobiphenyl
Concen: 77.600 ng
RT: 9.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 3208983

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.4
170	24.6	19.6	29.4

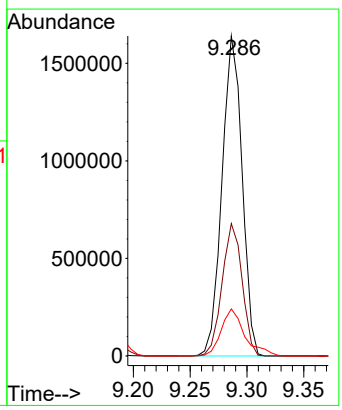


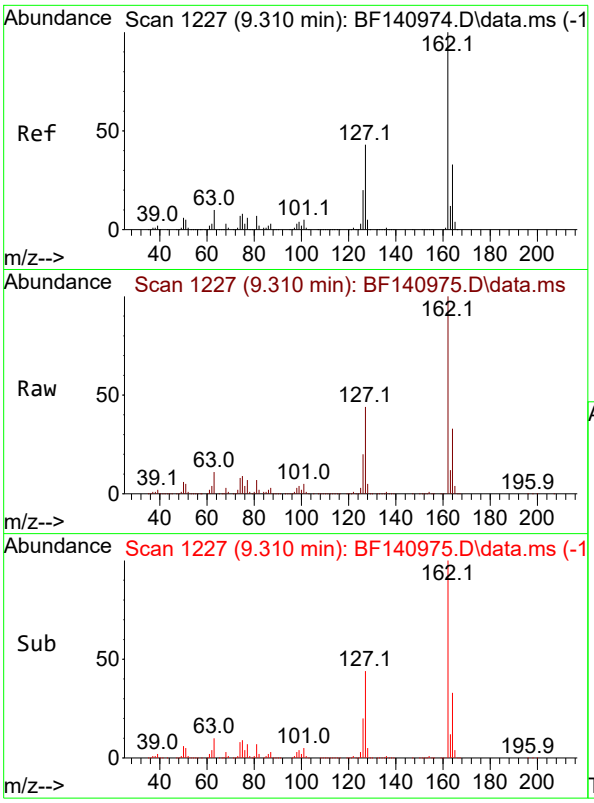


#46
1,1'-Biphenyl
Concen: 44.678 ng
RT: 9.286 min Scan# 1223
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:154 Resp: 2019837

Ion	Ratio	Lower	Upper
154	100		
153	41.3	20.9	60.9
76	14.7	0.0	34.0



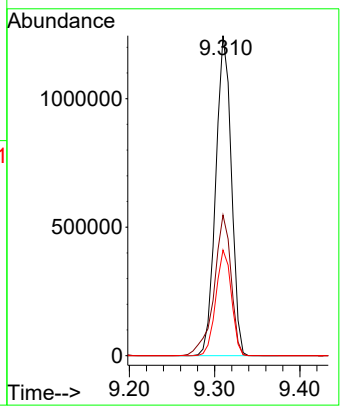


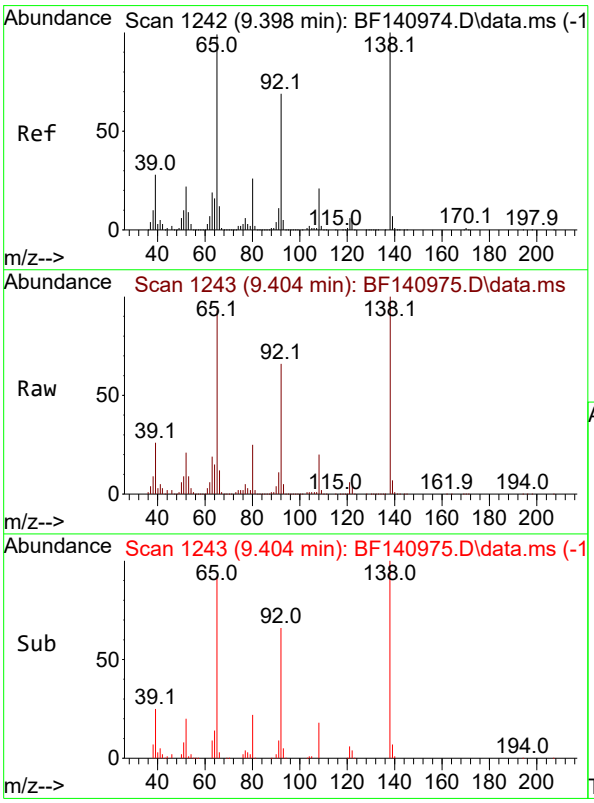
#47
2-Chloronaphthalene
Concen: 45.811 ng
RT: 9.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1584423

Ion	Ratio	Lower	Upper
162	100		
127	43.9	34.2	51.4
164	33.0	26.6	40.0

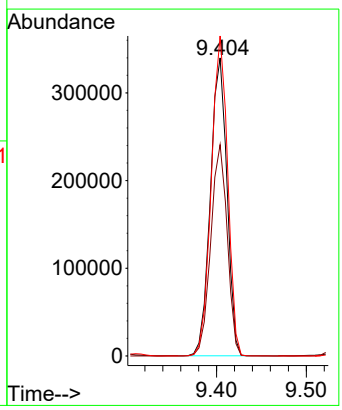


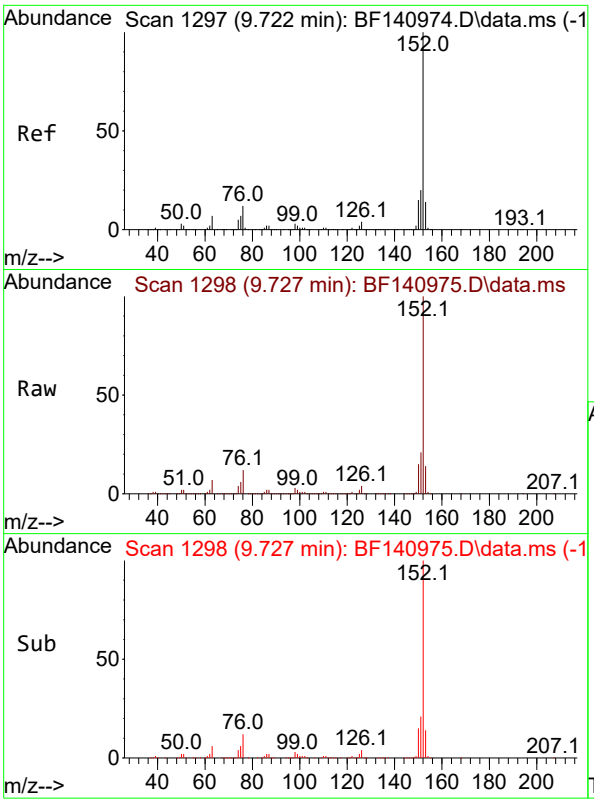


#48
2-Nitroaniline
Concen: 41.572 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 65 Resp: 434235

Ion	Ratio	Lower	Upper
65	100		
92	70.9	55.6	83.4
138	107.4	80.5	120.7



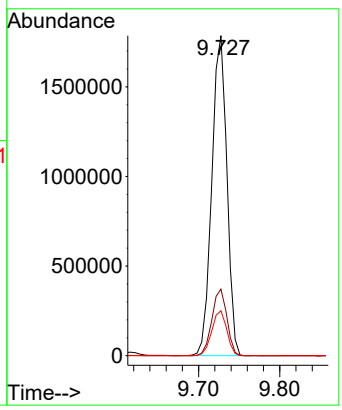


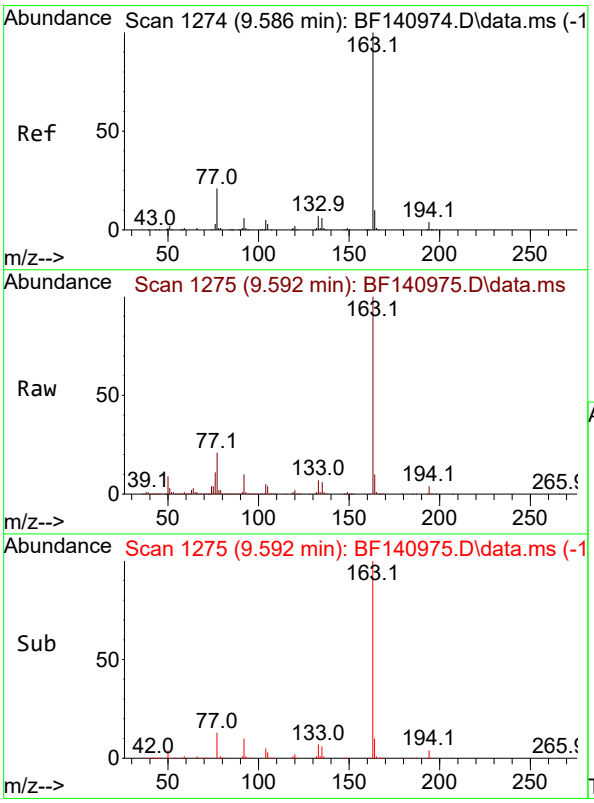
#49
Acenaphthylene
Concen: 45.270 ng
RT: 9.727 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 2300924

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.4
153	14.0	11.4	17.0

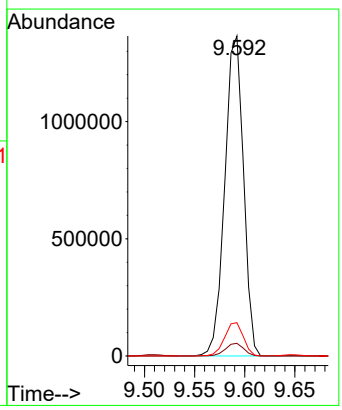


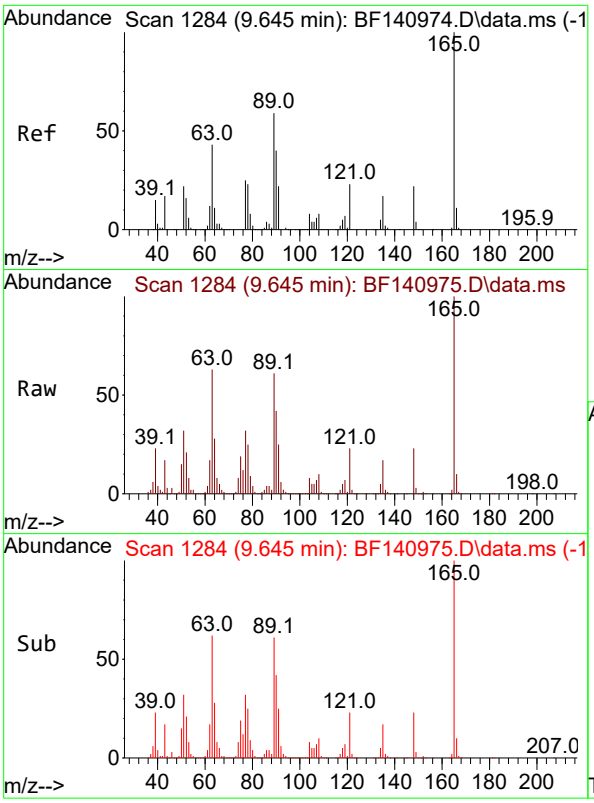


#50
Dimethylphthalate
Concen: 44.188 ng
RT: 9.592 min Scan# 1275
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:163 Resp: 1771217

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.4	8.3	12.5



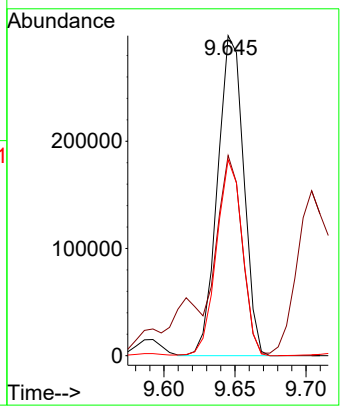


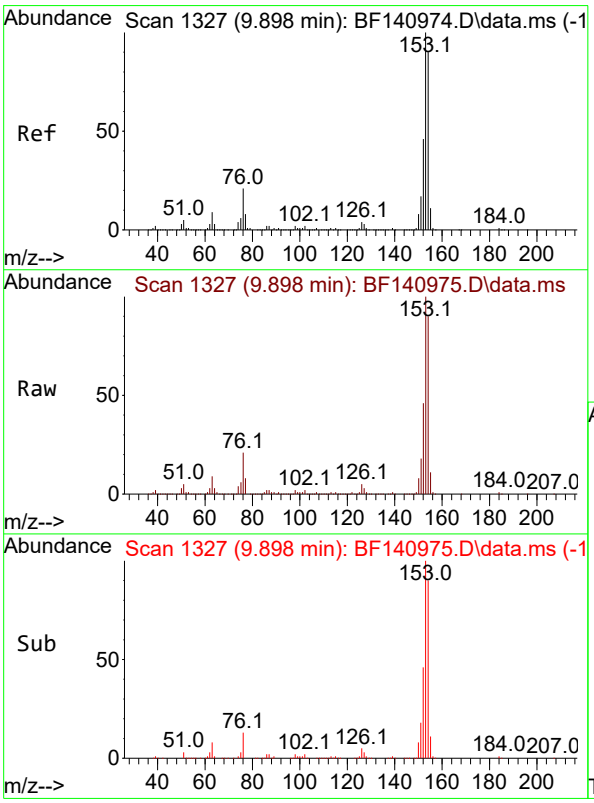
#51
2,6-Dinitrotoluene
Concen: 41.753 ng
RT: 9.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 382604

Ion	Ratio	Lower	Upper
165	100		
63	62.6	47.1	70.7
89	61.2	47.0	70.4

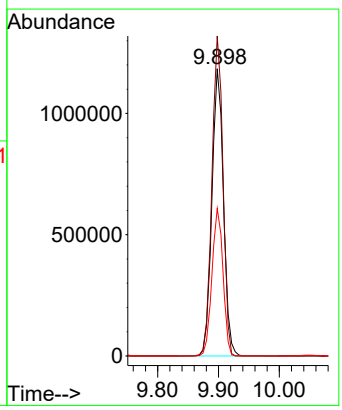


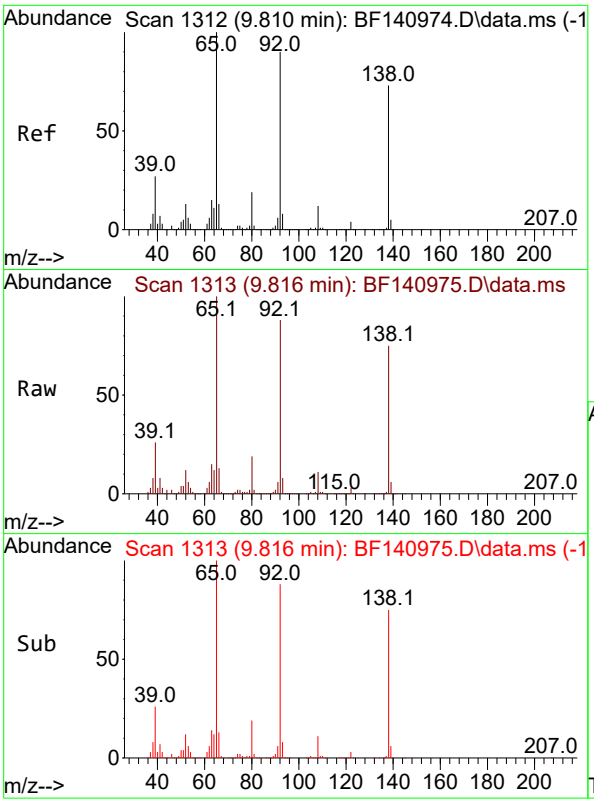


#52
Acenaphthene
Concen: 47.985 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:154 Resp: 1557911

Ion	Ratio	Lower	Upper
154	100		
153	111.4	89.2	133.8
152	51.4	40.9	61.3



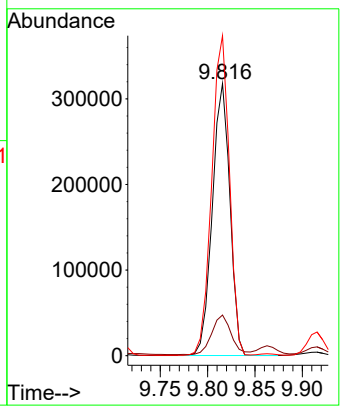


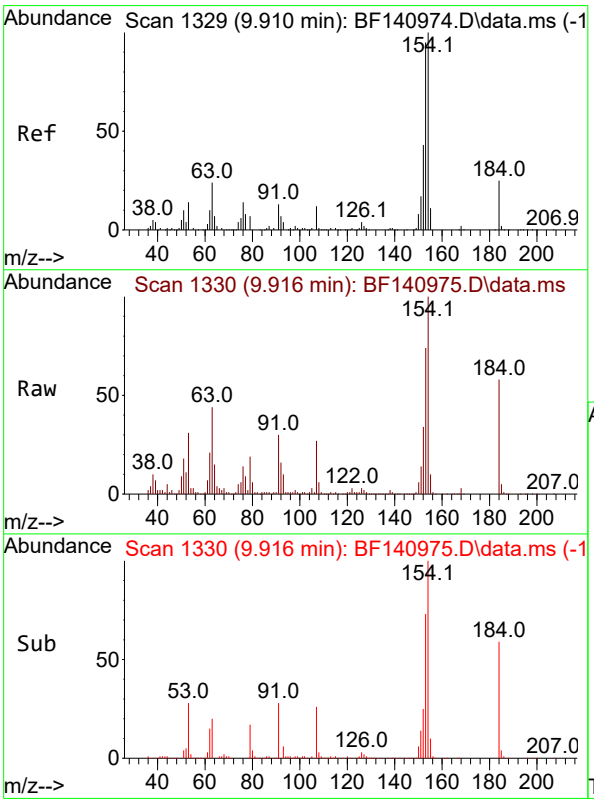
#53
3-Nitroaniline
Concen: 45.135 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 410444

Ion	Ratio	Lower	Upper
138	100		
108	14.9	13.5	20.3
92	117.6	97.7	146.5

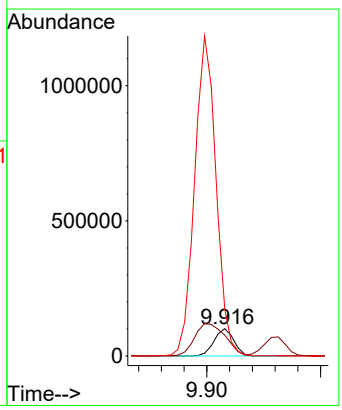


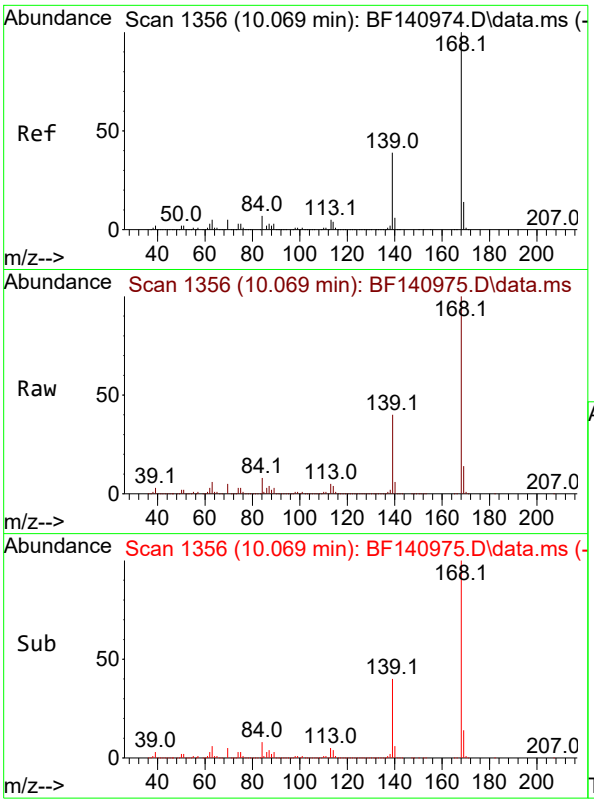


#54
2,4-Dinitrophenol
Concen: 32.491 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:184 Resp: 121967

Ion	Ratio	Lower	Upper
184	100		
63	76.0	81.6	122.4#
154	171.1	363.5	545.3#



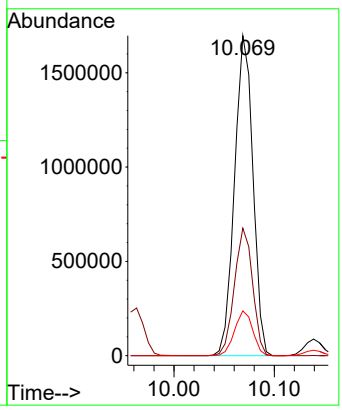


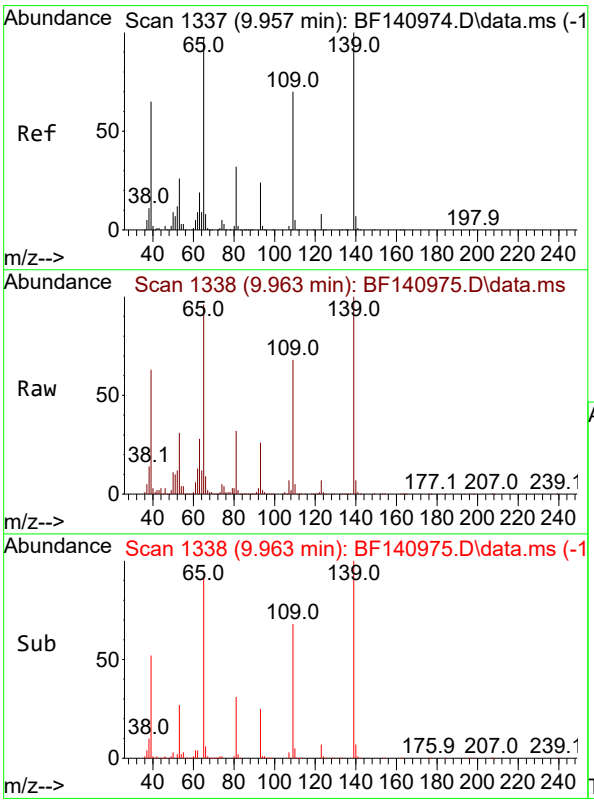
#55
Dibenzofuran
Concen: 43.035 ng
RT: 10.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 2165075

Ion	Ratio	Lower	Upper
168	100		
139	39.8	31.6	47.4
169	14.0	11.0	16.6

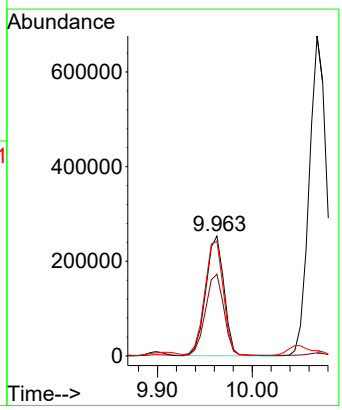


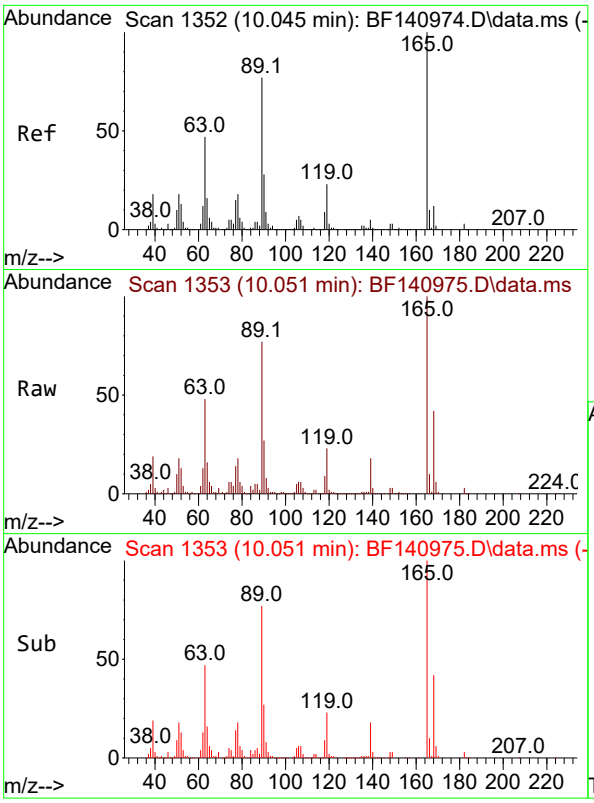


#56
4-Nitrophenol
Concen: 79.040 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:139 Resp: 337300

Ion	Ratio	Lower	Upper
139	100		
109	68.3	50.8	90.8
65	95.9	78.5	118.5



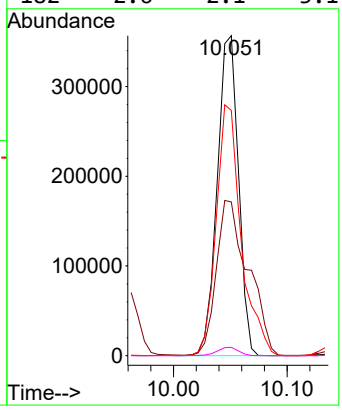


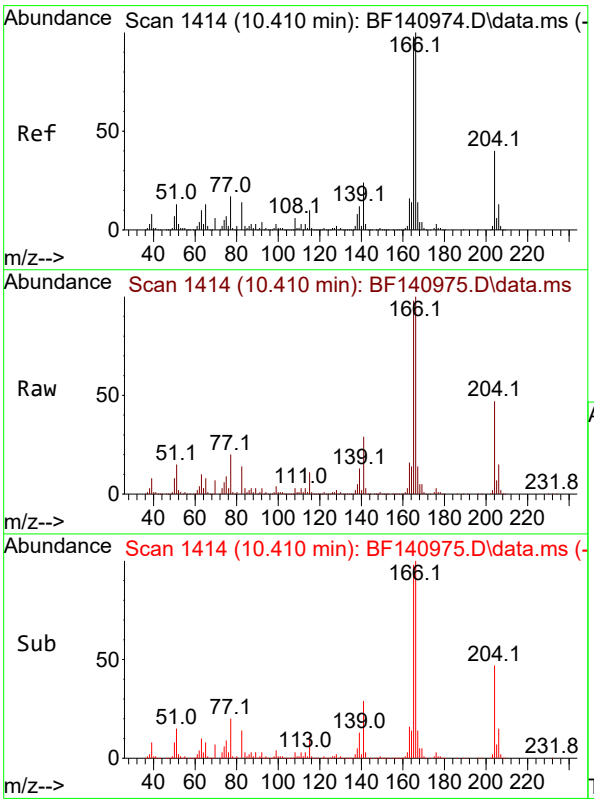
#57
2,4-Dinitrotoluene
Concen: 38.466 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 463773

Ion	Ratio	Lower	Upper
165	100		
63	48.1	38.1	57.1
89	76.6	61.4	92.2
182	2.6	2.1	3.1

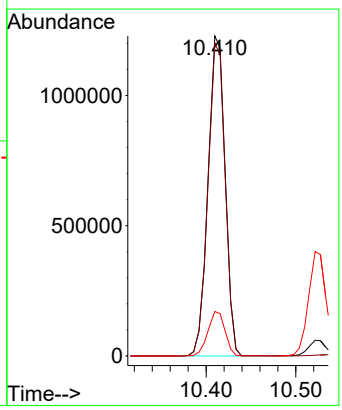


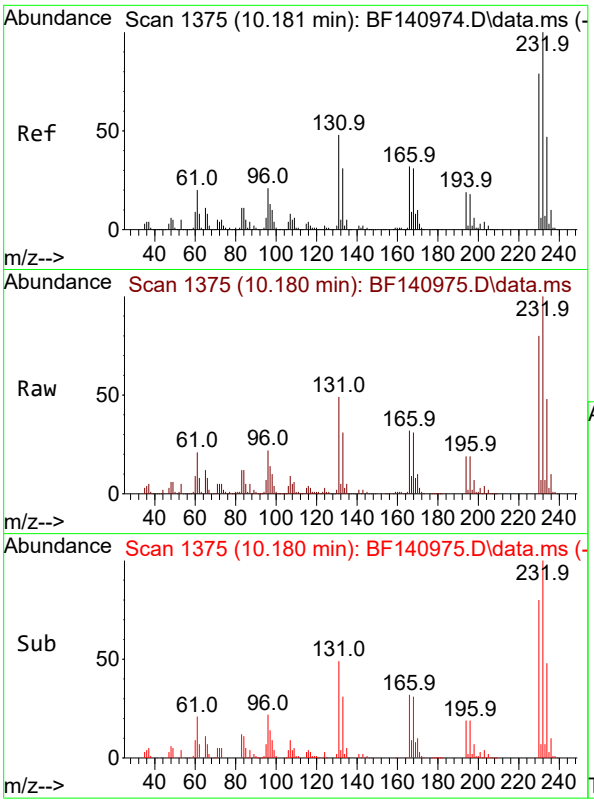


#58
Fluorene
Concen: 39.248 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:166 Resp: 1628964

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.3	117.5
167	13.9	10.9	16.3



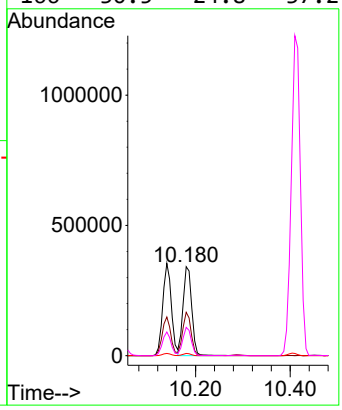


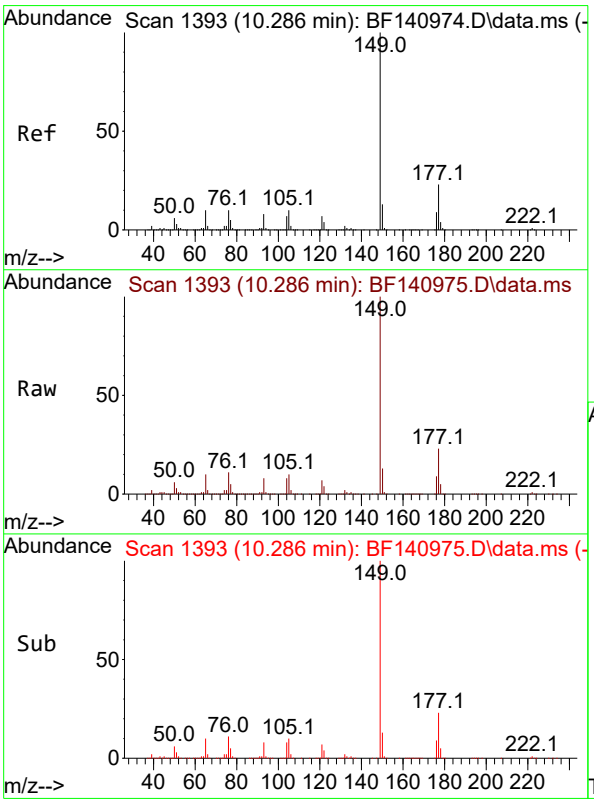
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.523 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 436271

Ion	Ratio	Lower	Upper
232	100		
131	46.9	37.4	56.2
130	2.3	1.8	2.8
166	30.5	24.8	37.2

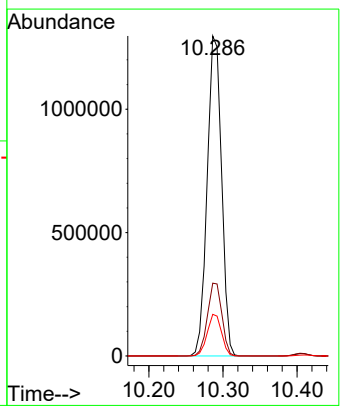


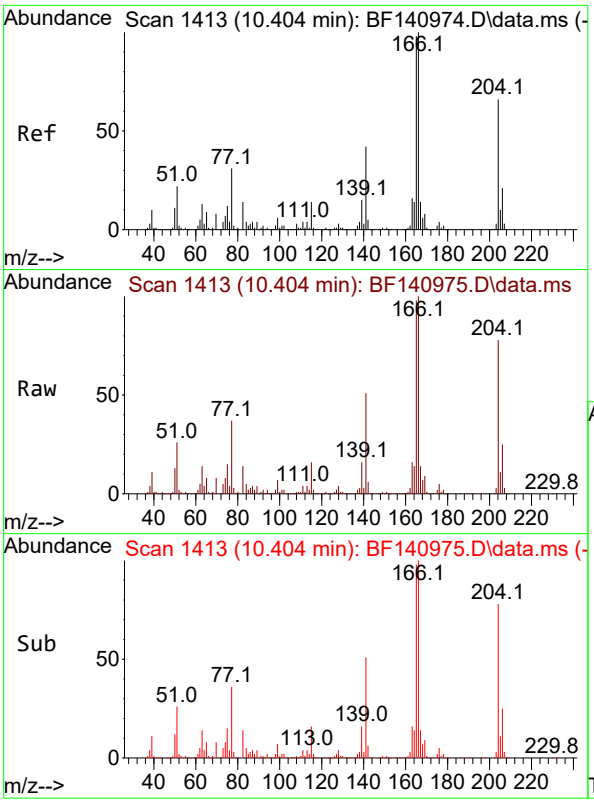


#60
Diethylphthalate
Concen: 42.065 ng
RT: 10.286 min Scan# 1393
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:149 Resp: 1748454

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.3	27.5
150	13.0	10.4	15.6



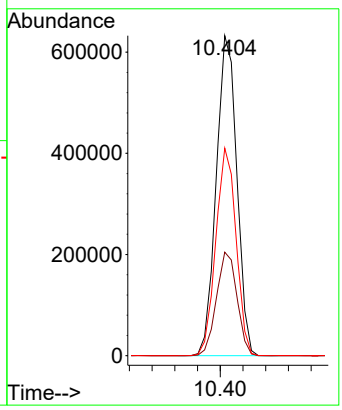


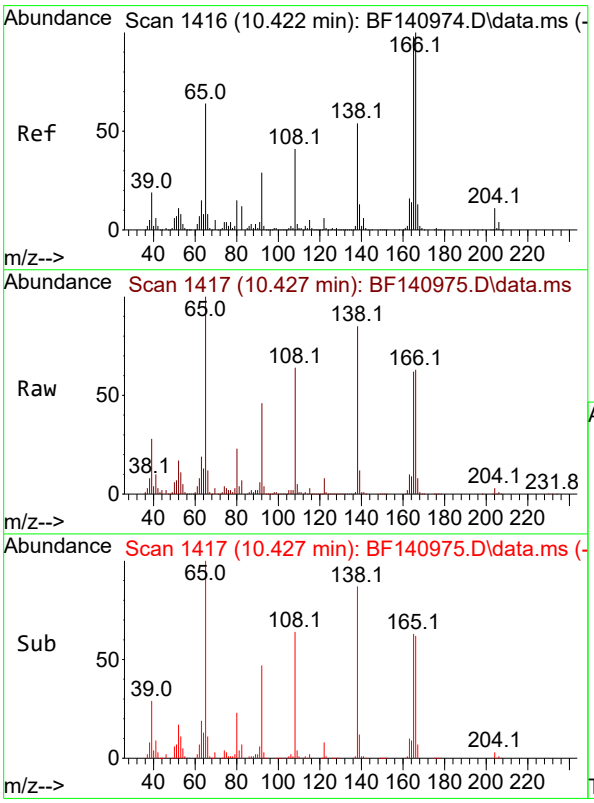
#61
4-Chlorophenyl-phenylether
Concen: 38.183 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 796072

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.6
141	64.9	51.2	76.8

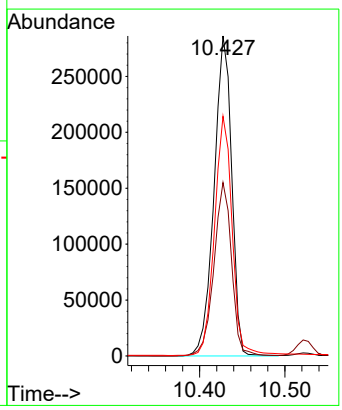


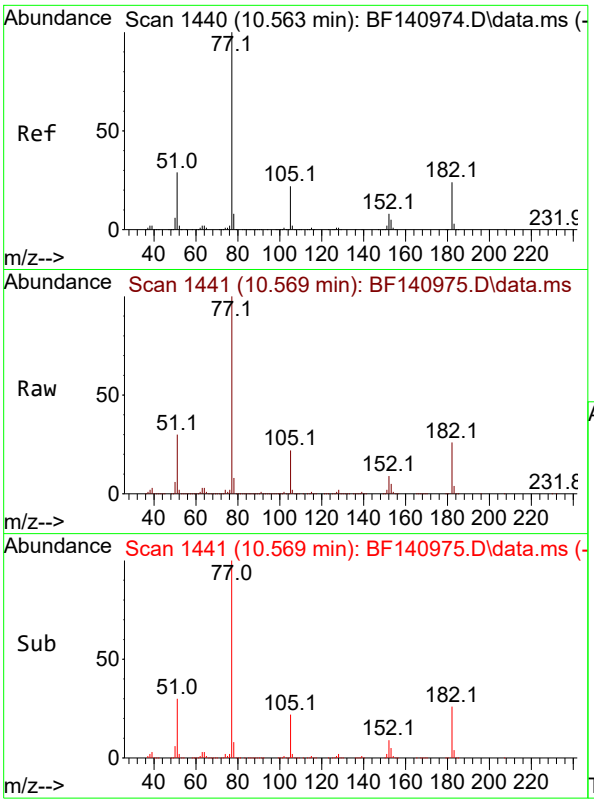


#62
4-Nitroaniline
Concen: 43.365 ng
RT: 10.427 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:138 Resp: 412091

Ion	Ratio	Lower	Upper
138	100		
92	54.2	34.8	74.8
108	74.9	55.9	95.9



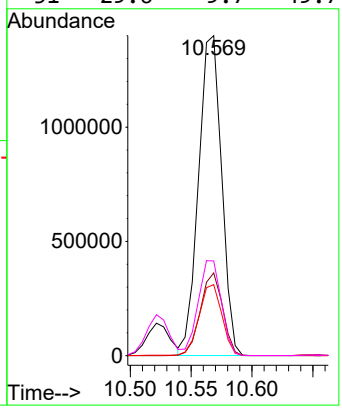


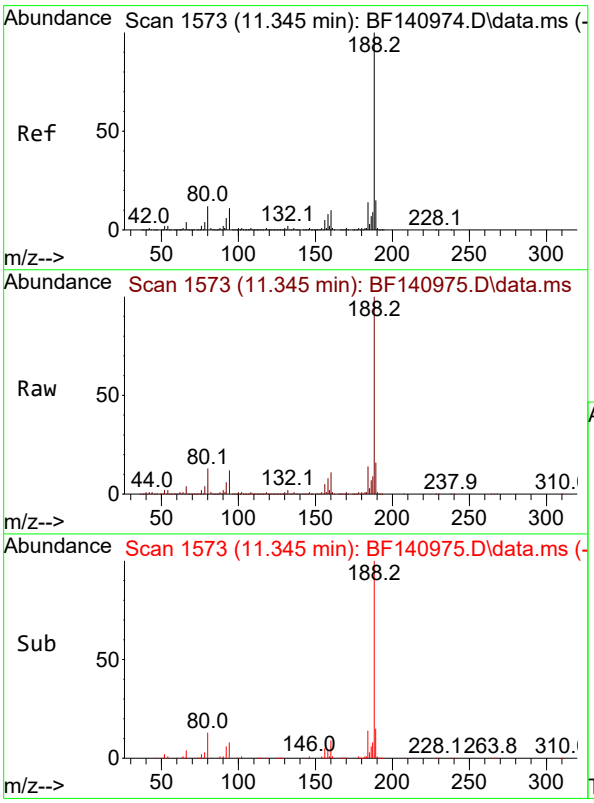
#63
Azobenzene
Concen: 47.112 ng
RT: 10.569 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1840946

Ion	Ratio	Lower	Upper
77	100		
182	25.9	4.1	44.1
105	22.2	1.8	41.8
51	29.6	9.7	49.7

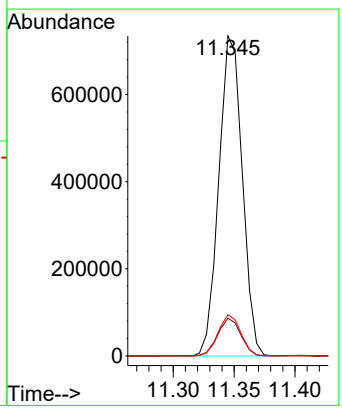


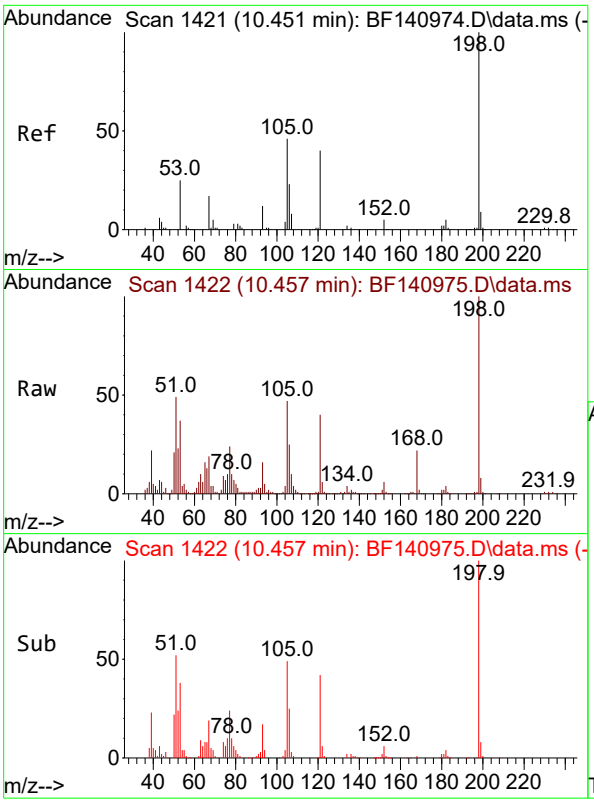


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:188 Resp: 984477

Ion	Ratio	Lower	Upper
188	100		
94	11.8	9.0	13.6
80	12.9	9.8	14.6



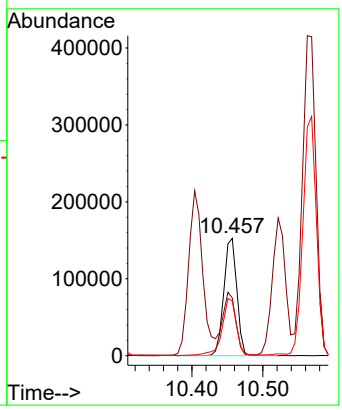


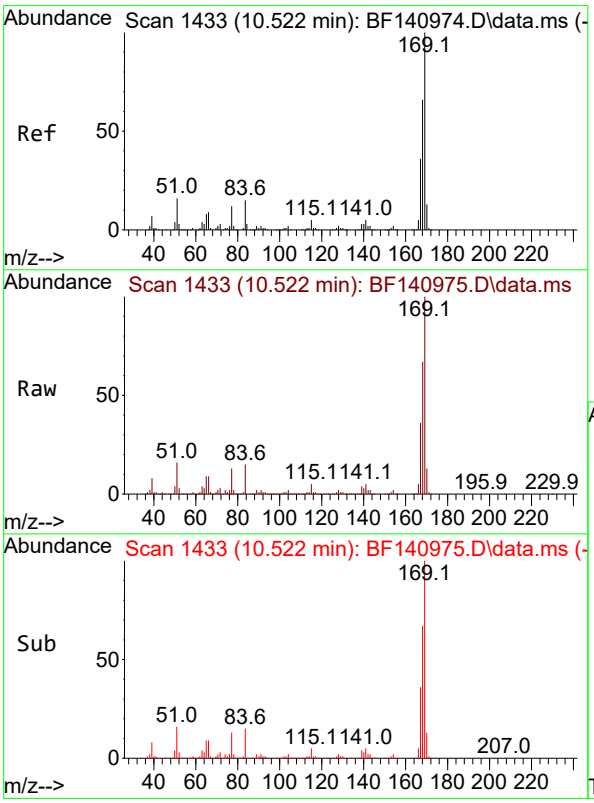
#65
4,6-Dinitro-2-methylphenol
Concen: 34.627 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 193168

Ion	Ratio	Lower	Upper
198	100		
51	49.3	32.3	72.3
105	46.8	28.4	68.4

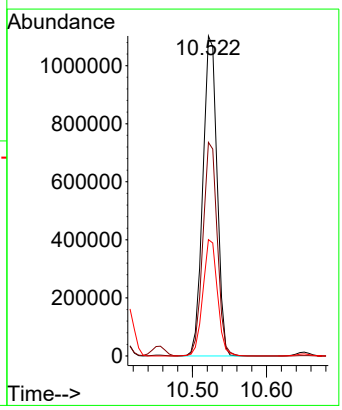


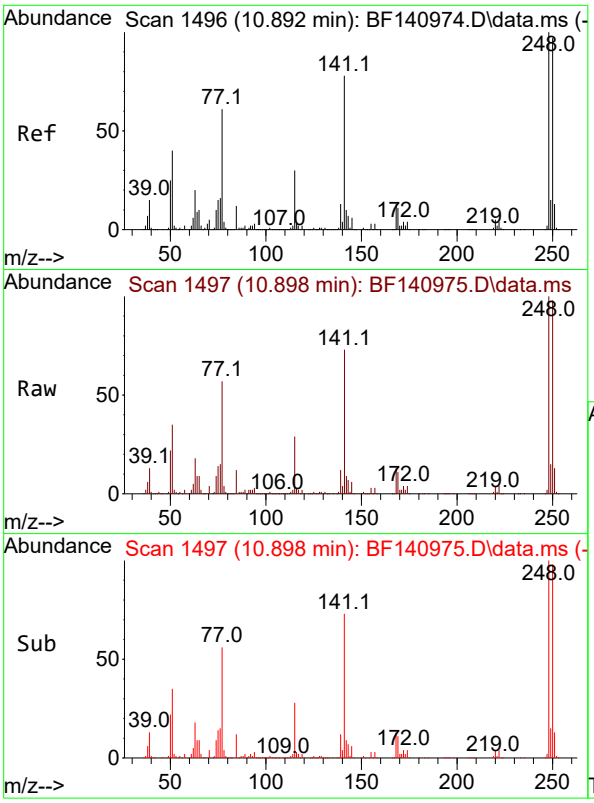


#66
n-Nitrosodiphenylamine
Concen: 48.336 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:169 Resp: 1463039

Ion	Ratio	Lower	Upper
169	100		
168	66.8	52.6	79.0
167	36.4	29.0	43.4



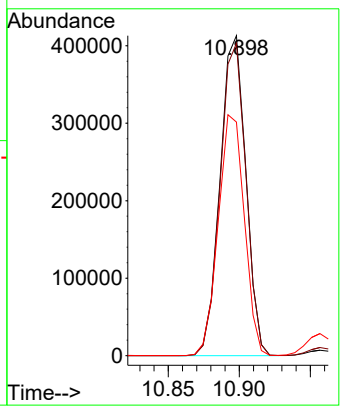


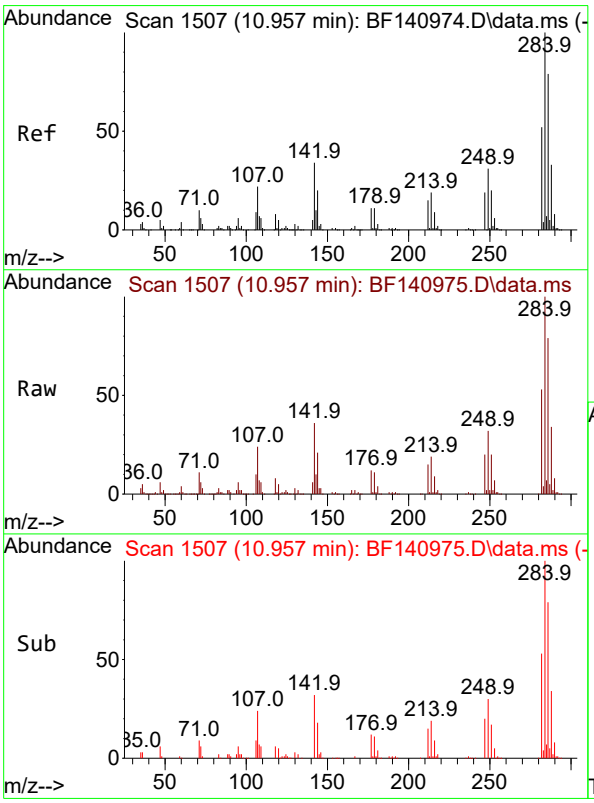
#67
4-Bromophenyl-phenylether
Concen: 47.330 ng
RT: 10.898 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 521276

Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.7	116.5
141	73.0	62.1	93.1

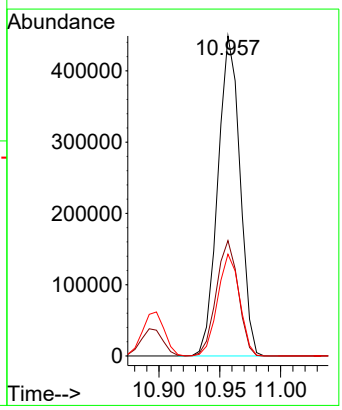


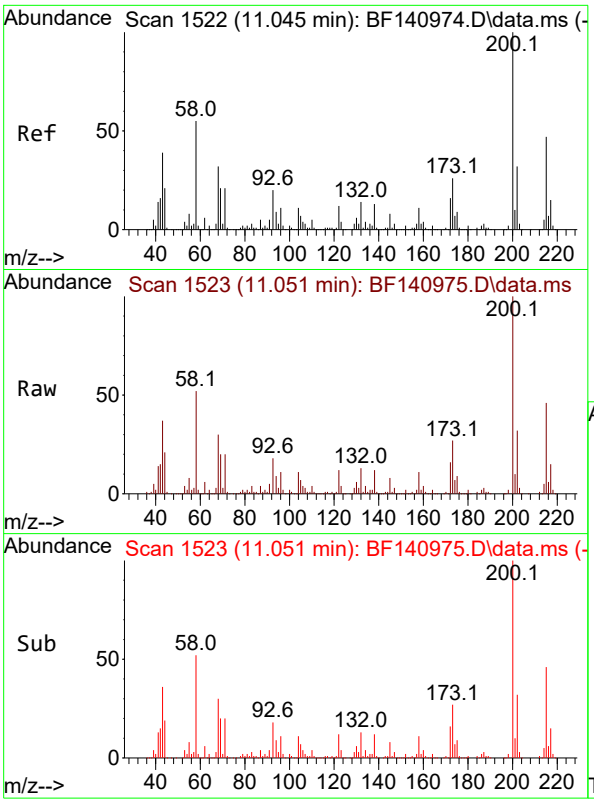


#68
Hexachlorobenzene
Concen: 45.454 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:284 Resp: 567592

Ion	Ratio	Lower	Upper
284	100		
142	36.0	27.1	40.7
249	31.8	25.1	37.7



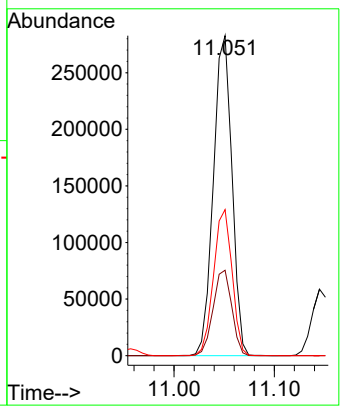


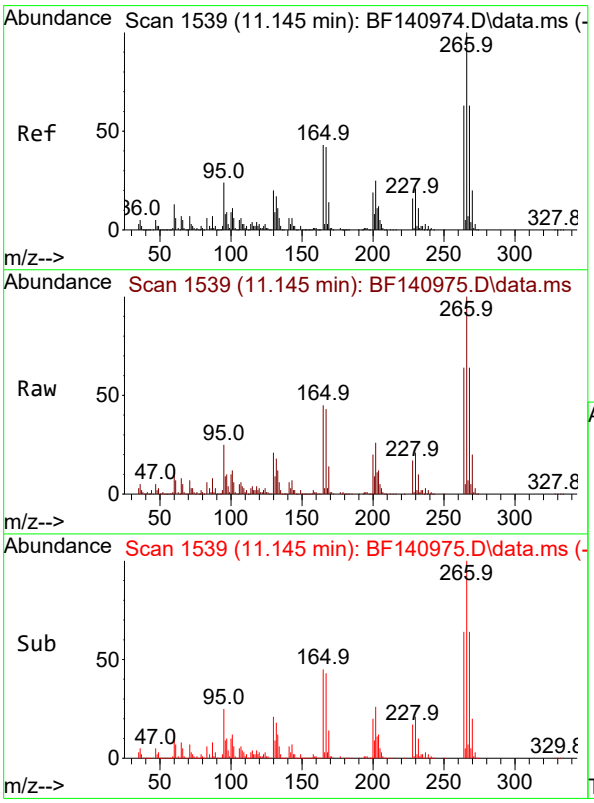
#69
Atrazine
Concen: 42.915 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 362786

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.4	46.4
215	45.6	27.2	67.2

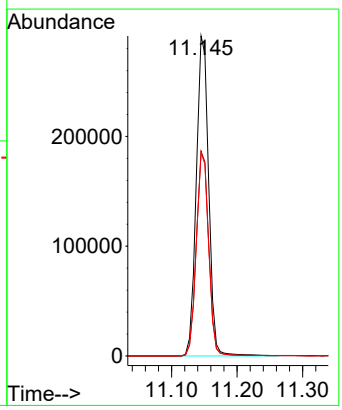


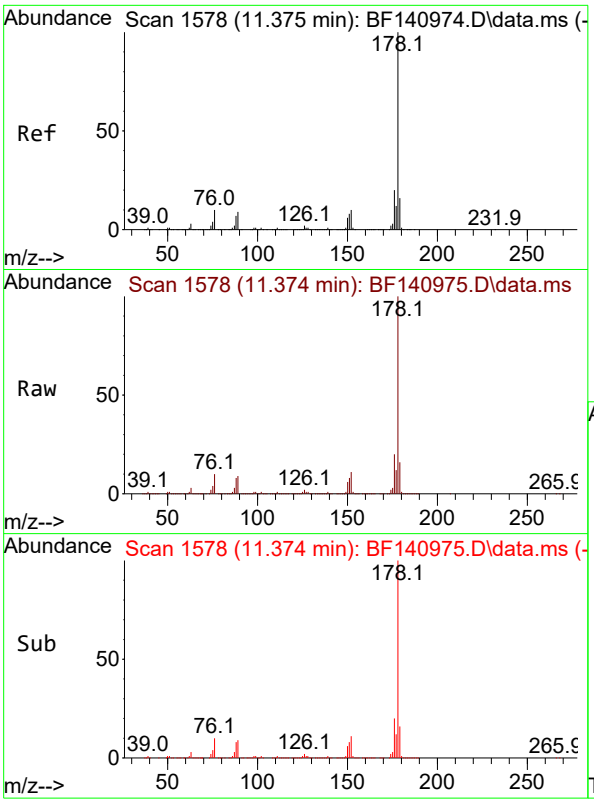


#70
Pentachlorophenol
Concen: 83.980 ng
RT: 11.145 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:266 Resp: 383398

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.5	75.7
264	63.6	50.2	75.4



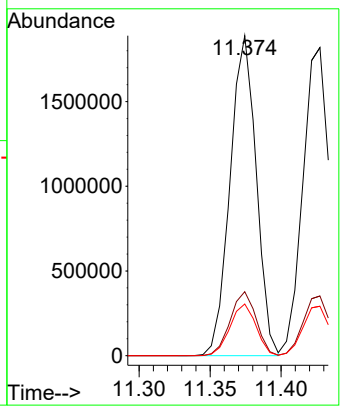


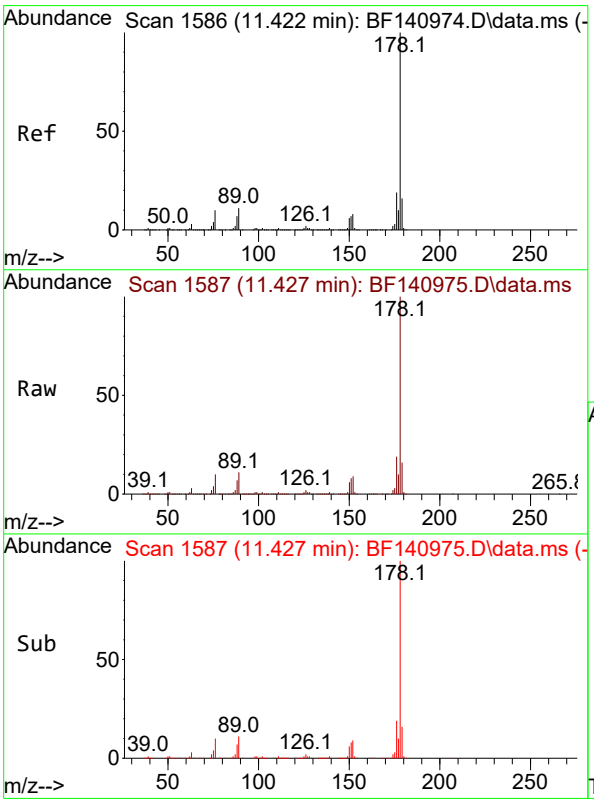
#71
Phenanthrene
Concen: 47.753 ng
RT: 11.374 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 2417558

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.6
179	16.2	12.6	19.0

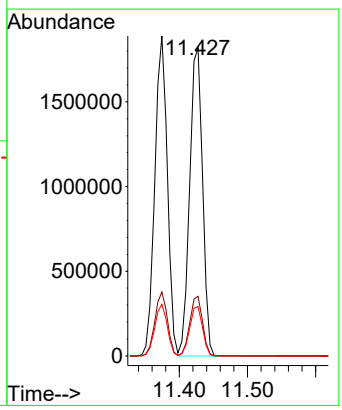


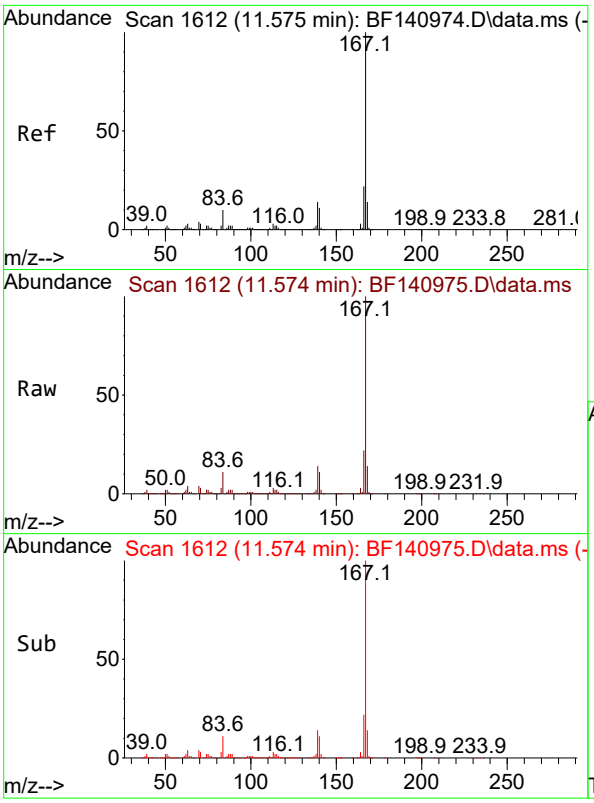


#72
Anthracene
Concen: 47.538 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:178 Resp: 2370103

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	16.0	12.9	19.3



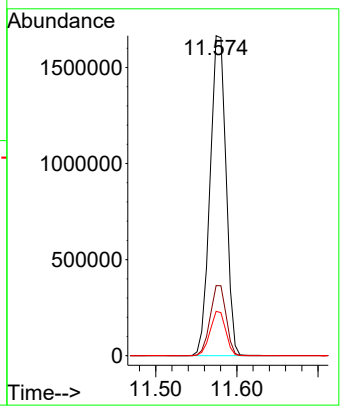


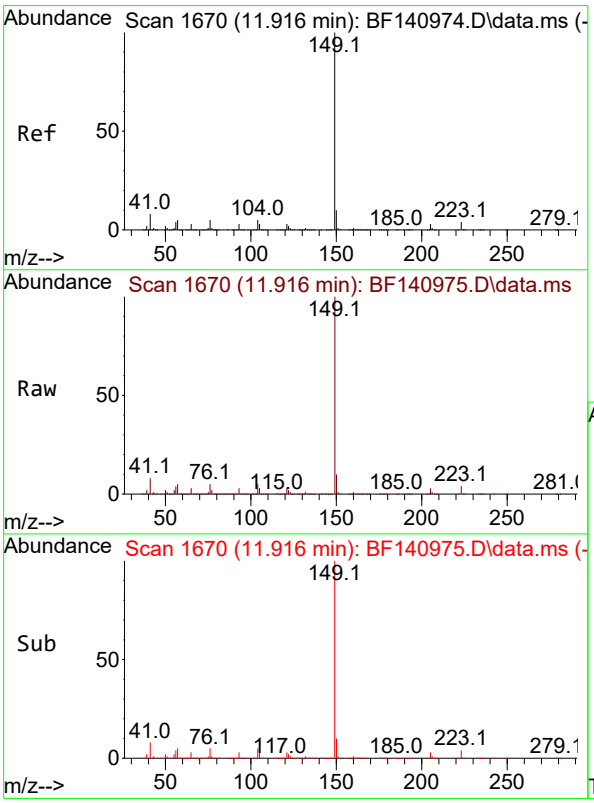
#73
Carbazole
Concen: 46.527 ng
RT: 11.574 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 2272076

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.8	11.0	16.4

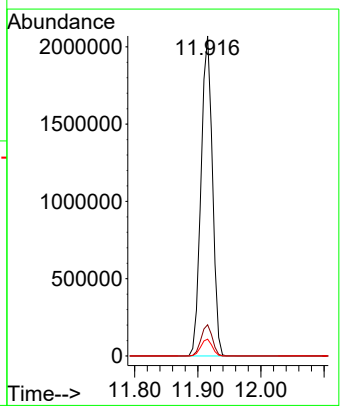


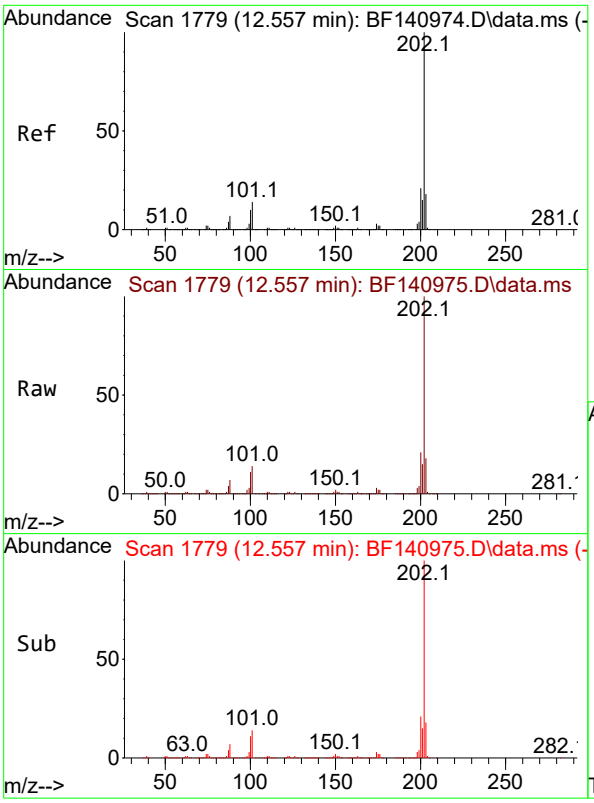


#74
Di-n-butylphthalate
Concen: 45.279 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:149 Resp: 2595020

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.3	4.1	6.1



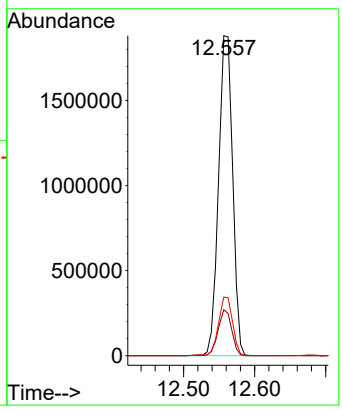


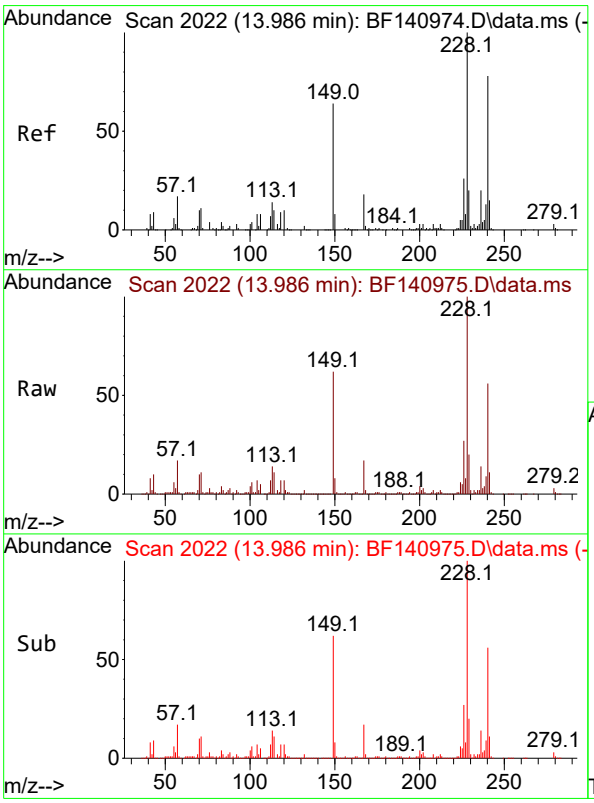
#75
Fluoranthene
Concen: 44.310 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 2583438

Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	33.7
203	18.3	0.0	38.1

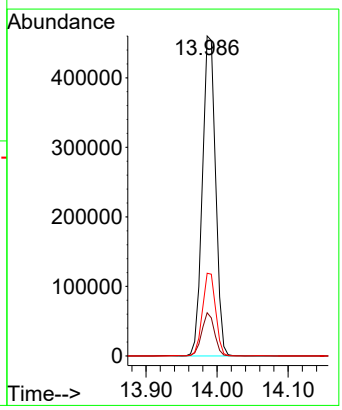


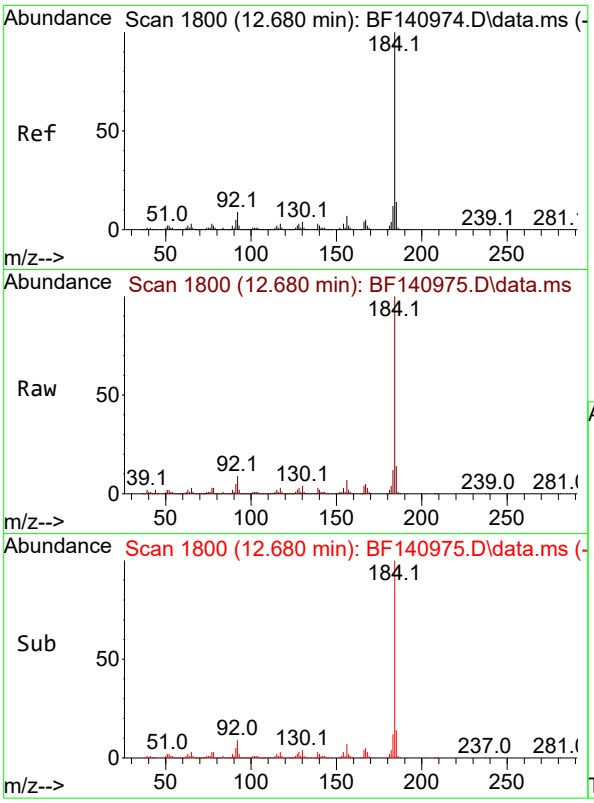


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:240 Resp: 594739

Ion	Ratio	Lower	Upper
240	100		
120	13.5	10.7	16.1
236	25.8	20.6	31.0



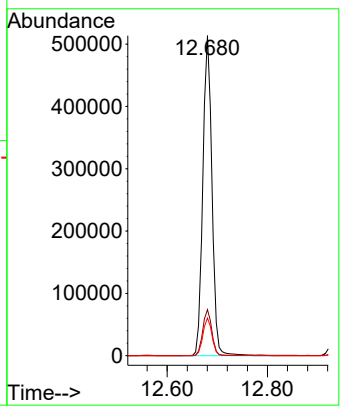


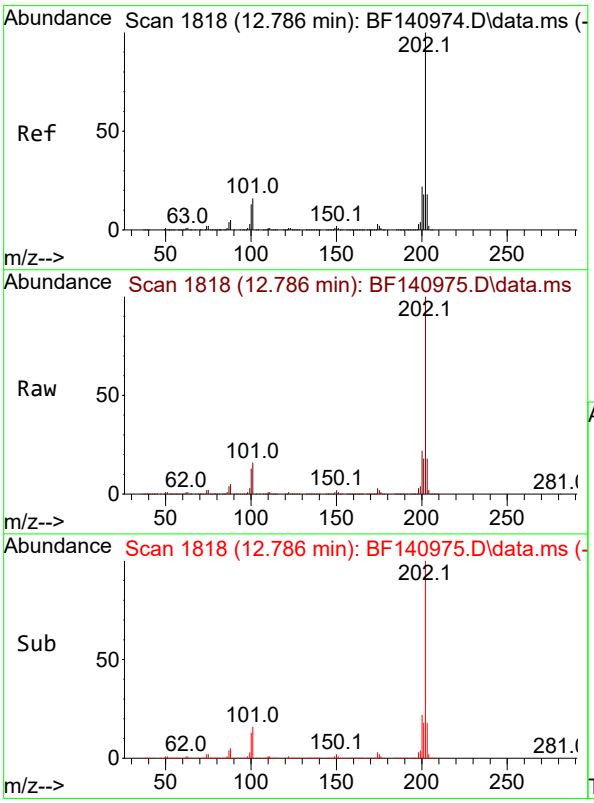
#77
Benzidine
Concen: 53.639 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 651097

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.2
183	11.8	9.4	14.0

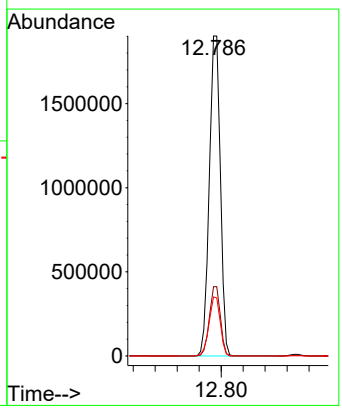


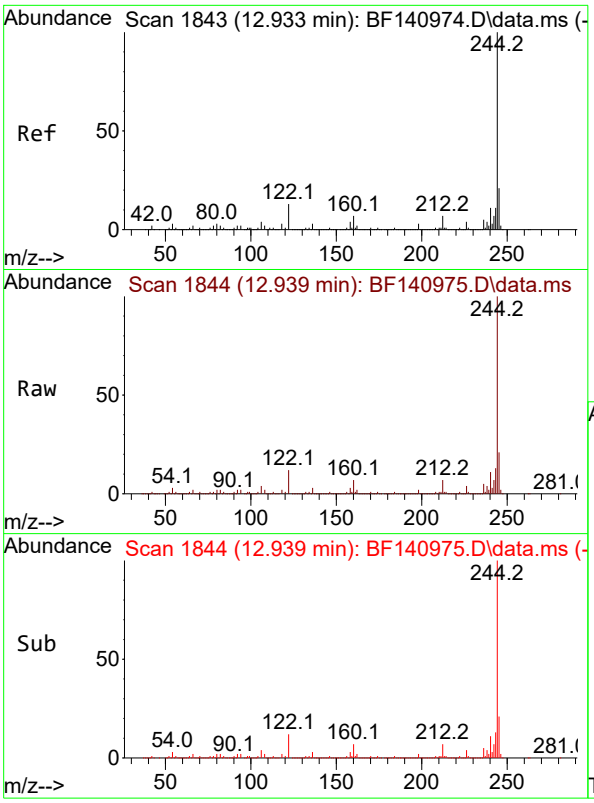


#78
Pyrene
Concen: 50.132 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:202 Resp: 2651339

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.5	14.6	21.8



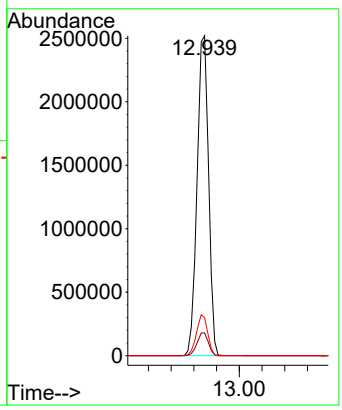


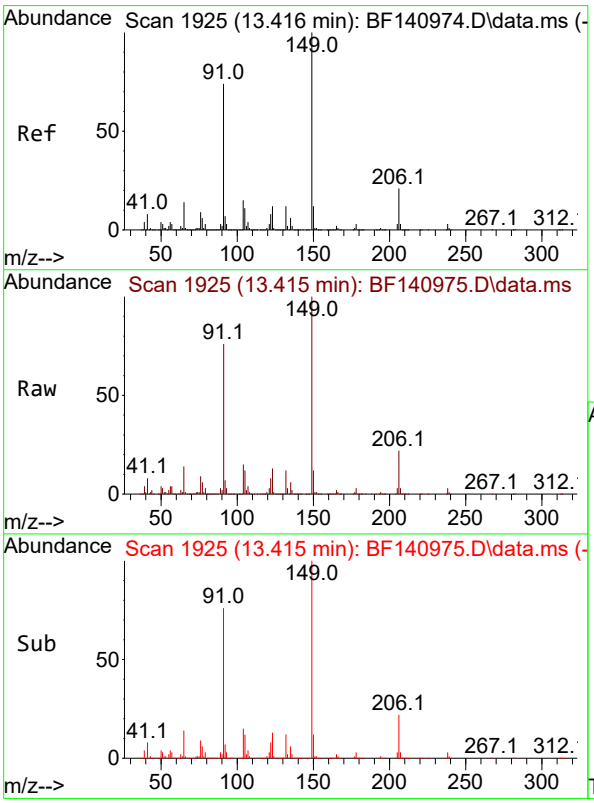
#79
Terphenyl-d14
Concen: 94.170 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 3551774

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.9	10.2	15.2

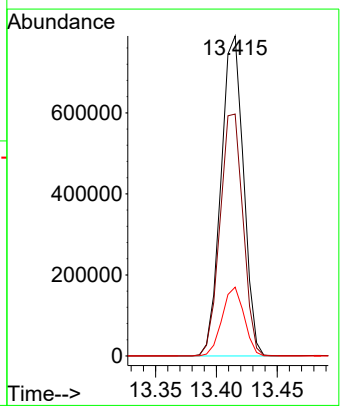


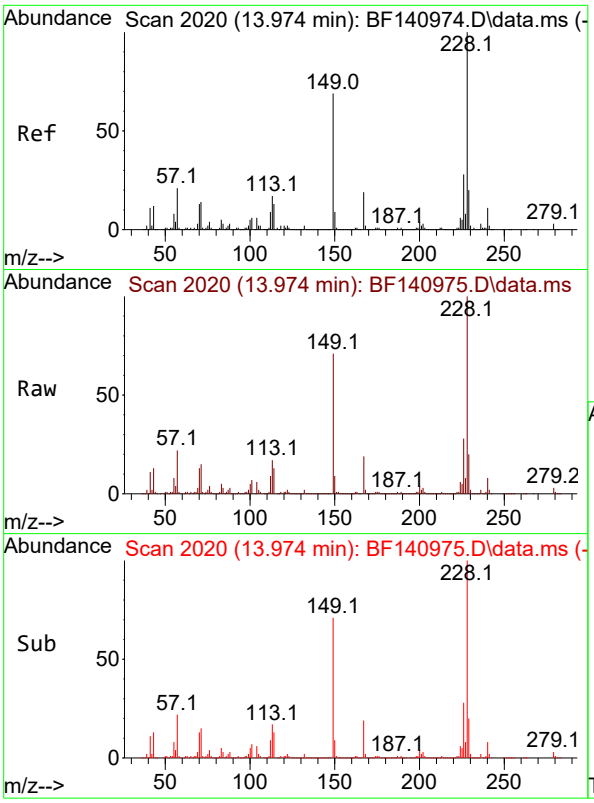


#80
Butylbenzylphthalate
Concen: 52.235 ng
RT: 13.415 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:149 Resp: 1016502

Ion	Ratio	Lower	Upper
149	100		
91	75.6	59.5	89.3
206	21.5	17.1	25.7



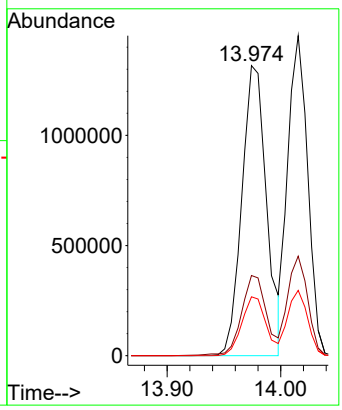


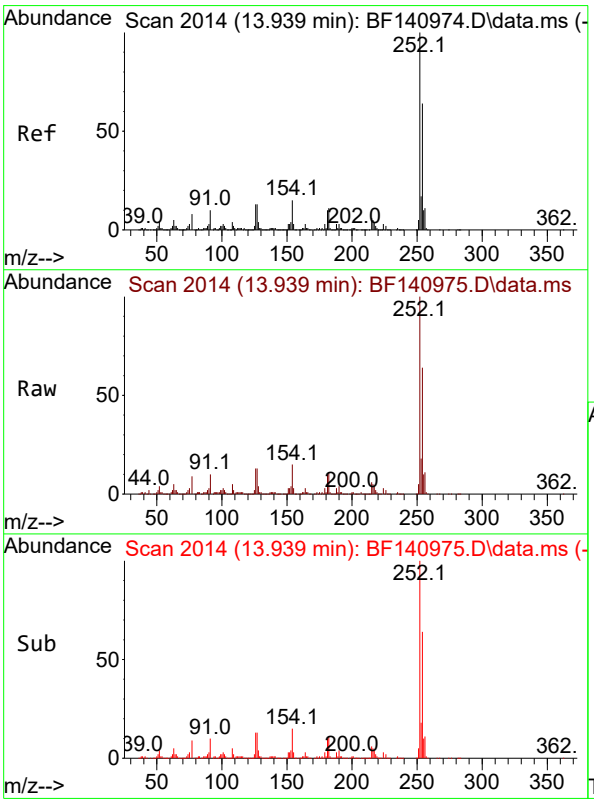
#81
Benzo(a)anthracene
Concen: 47.252 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1991732

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	20.3	16.2	24.2

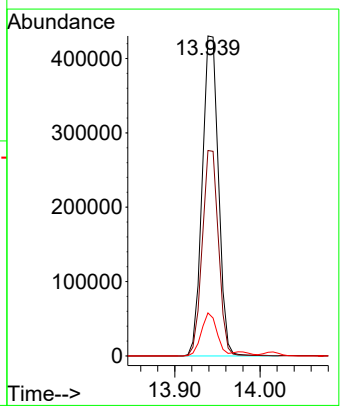


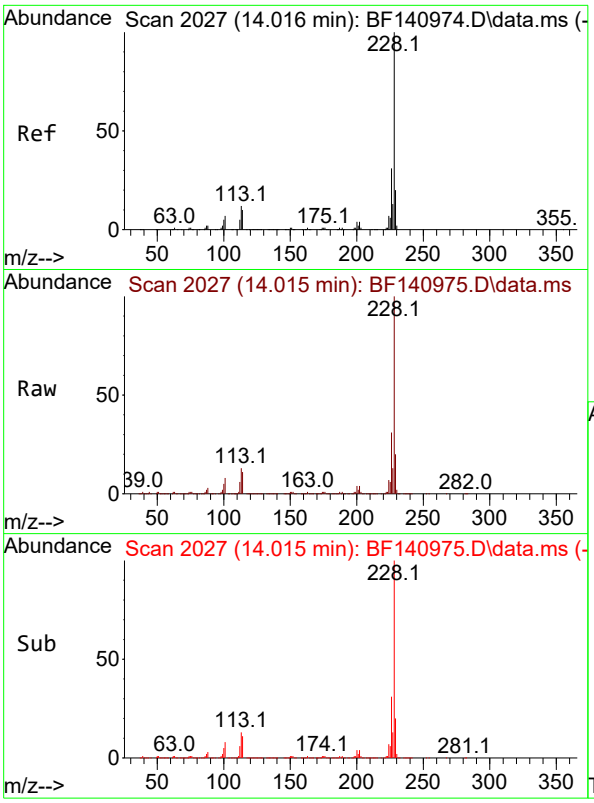


#82
3,3'-Dichlorobenzidine
Concen: 44.708 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:252 Resp: 568561

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.5	77.3
126	13.4	10.3	15.5



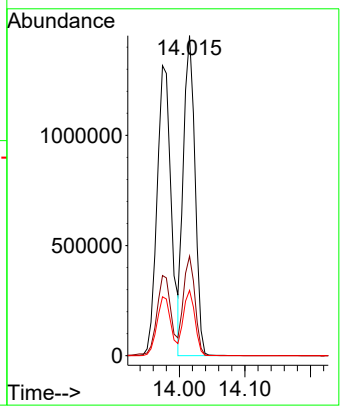


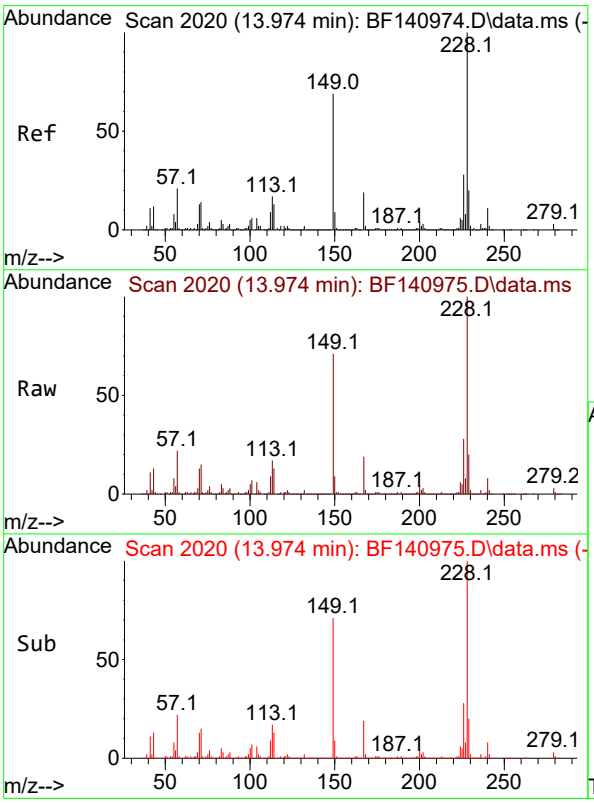
#83
Chrysene
Concen: 46.306 ng
RT: 14.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1774901

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.5	36.7
229	20.4	16.2	24.4

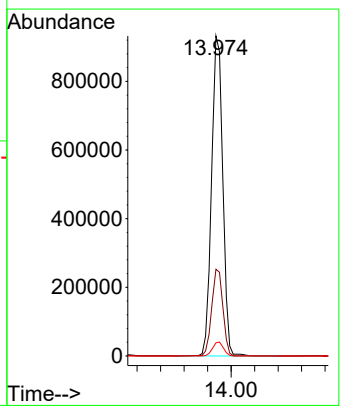


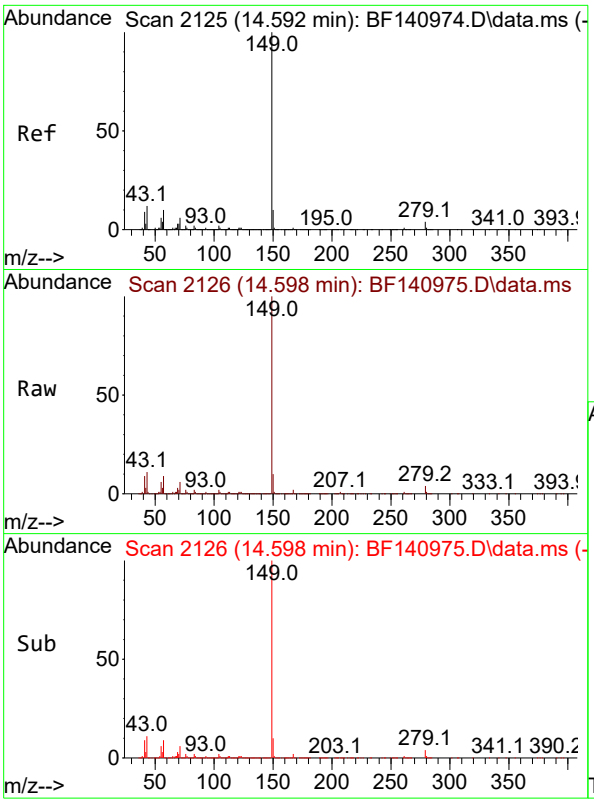


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.023 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:149 Resp: 1230112

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.6	32.4
279	4.1	3.2	4.8



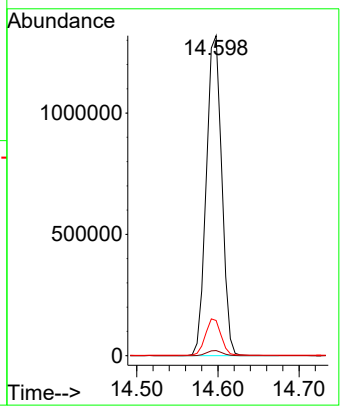


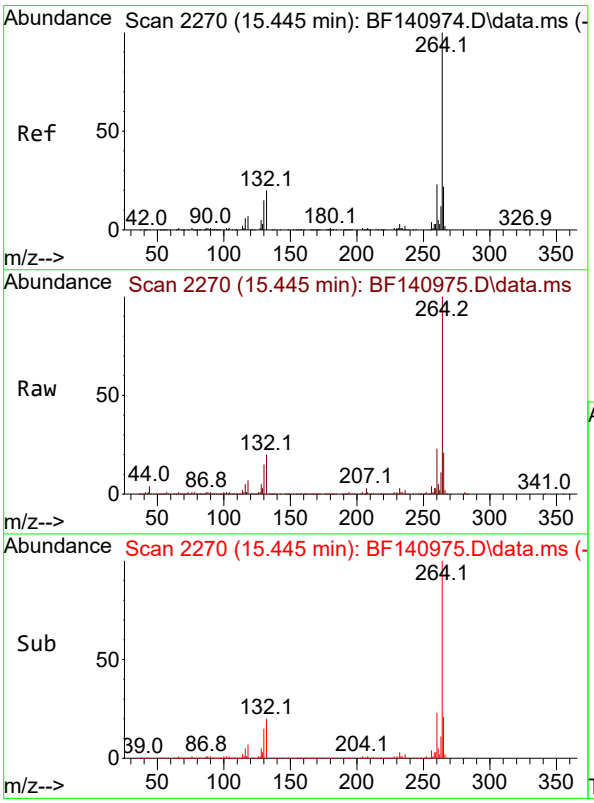
#85
Di-n-octyl phthalate
Concen: 45.841 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 1740215

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	11.4	9.3	13.9

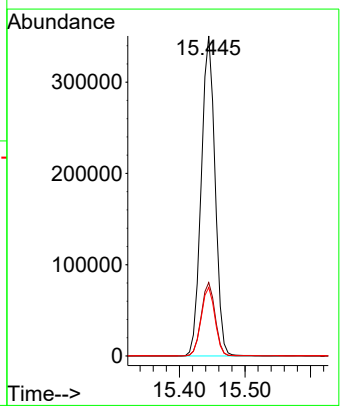


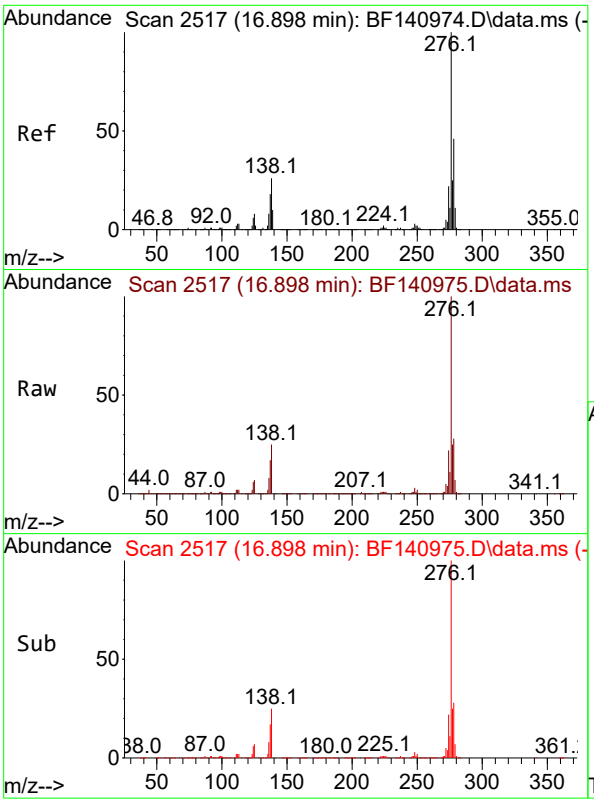


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:264 Resp: 515270

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.4	17.4	26.2



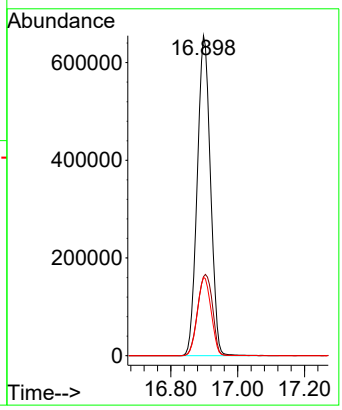


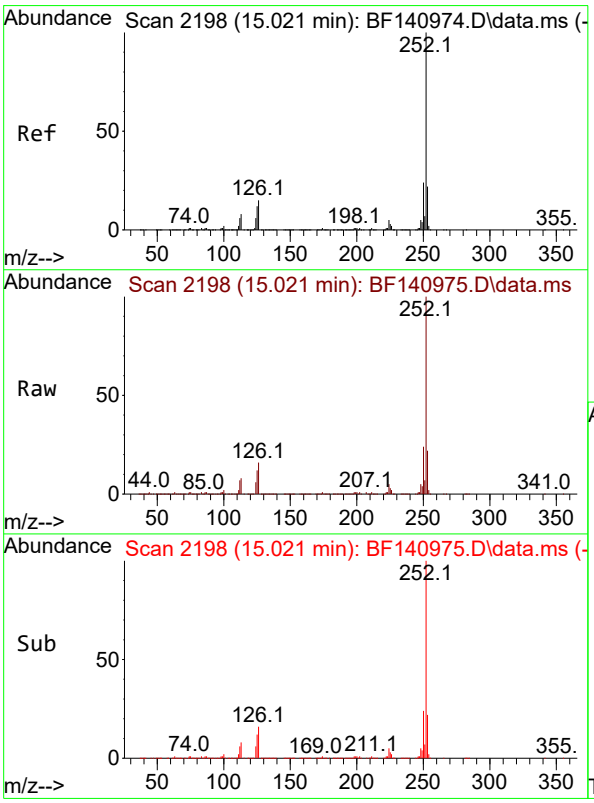
#87
Indeno(1,2,3-cd)pyrene
Concen: 55.978 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1799974

Ion	Ratio	Lower	Upper
276	100		
138	28.6	23.1	34.7
277	25.5	20.4	30.6

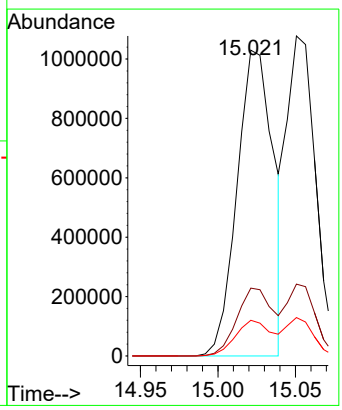


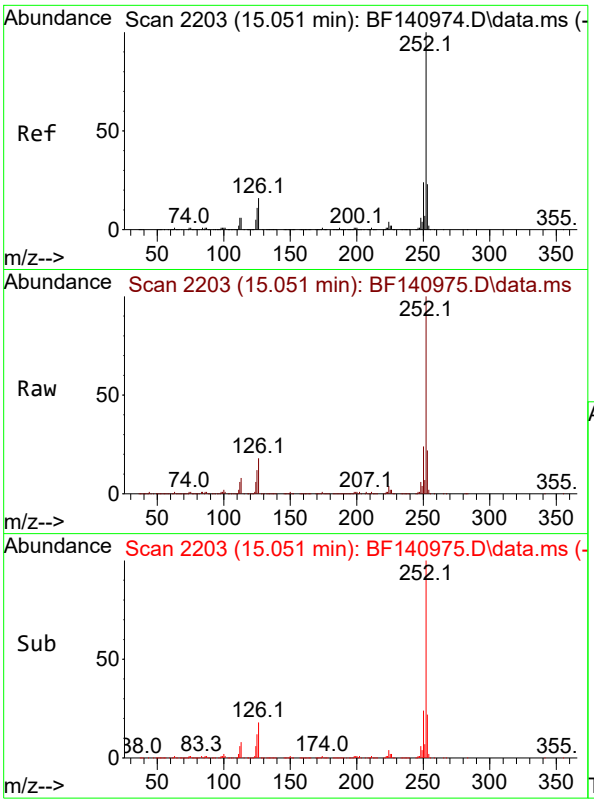


#88
Benzo(b)fluoranthene
Concen: 47.050 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:252 Resp: 1682869

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.7	9.3	13.9



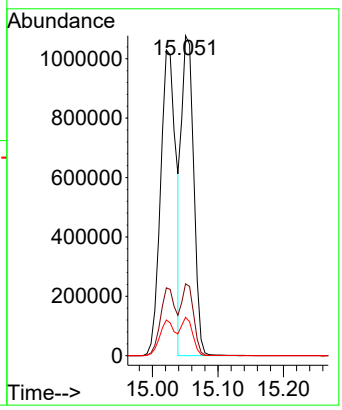


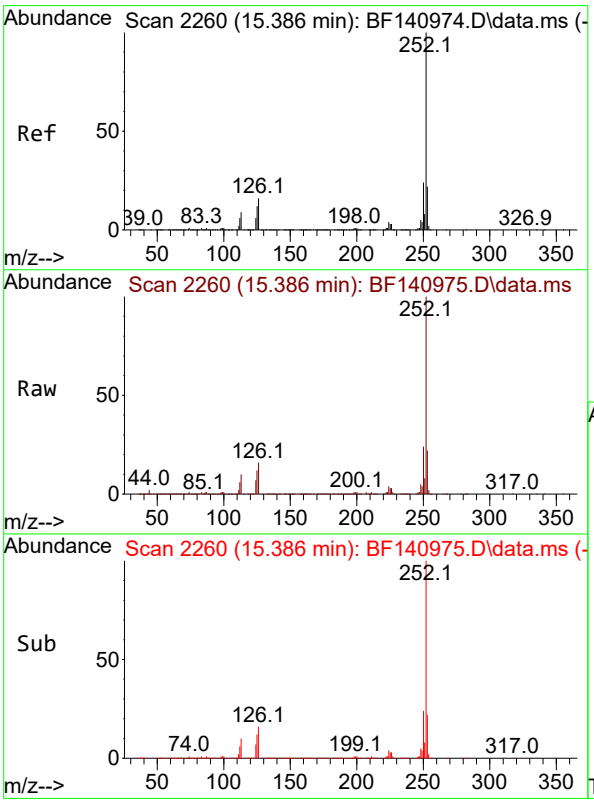
#89
Benzo(k)fluoranthene
Concen: 45.046 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 1382080

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	12.0	9.4	14.0

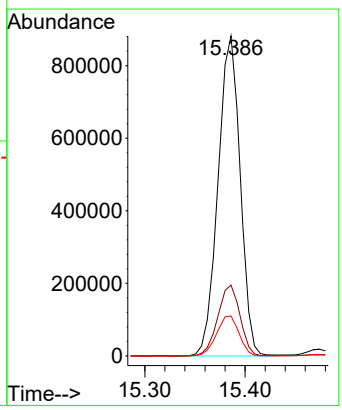


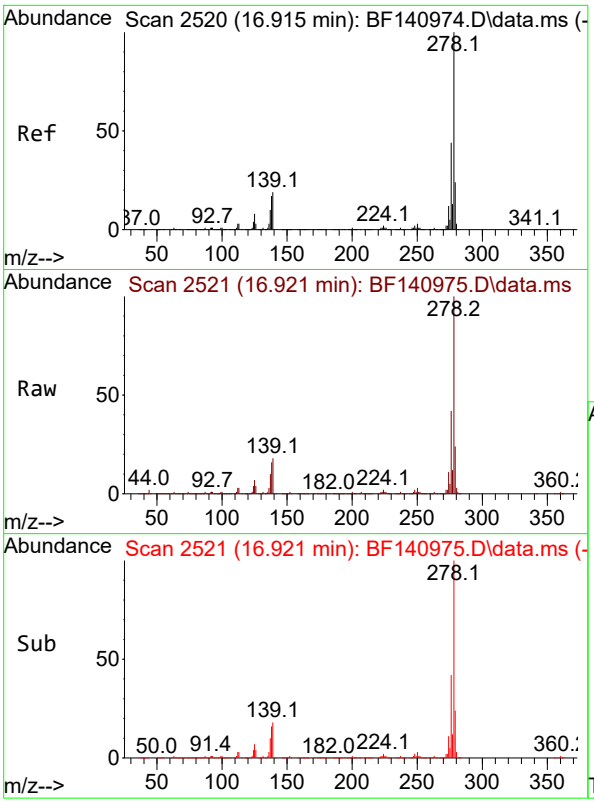


#90
Benzo(a)pyrene
Concen: 48.174 ng
RT: 15.386 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:252 Resp: 1349208

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.5	9.8	14.8



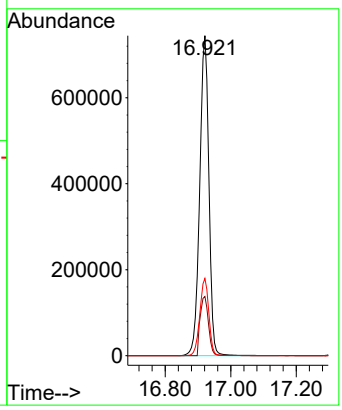


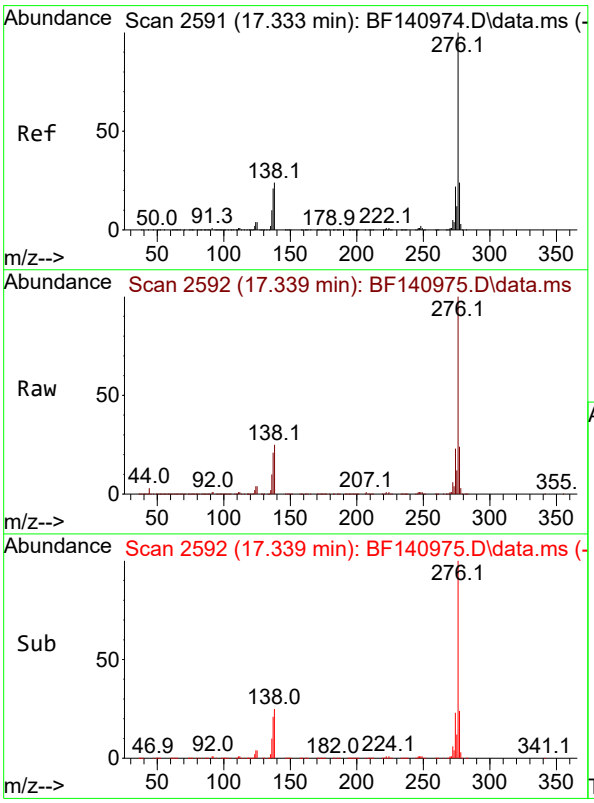
#91
Dibenzo(a,h)anthracene
Concen: 54.488 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 1451477

Ion	Ratio	Lower	Upper
278	100		
139	18.5	14.9	22.3
279	24.1	19.0	28.6

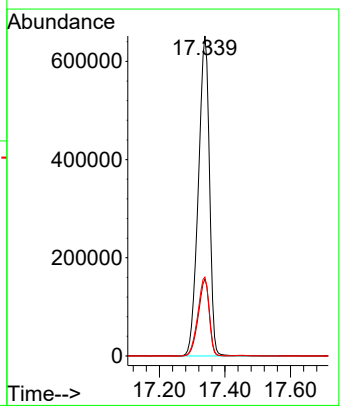




#92
Benzo(g,h,i)perylene
Concen: 56.714 ng
RT: 17.339 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:276 Resp: 1537634

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	24.6	19.4	29.2



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140976.D
Acq On : 26 Dec 2024 18:59
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Dec 26 23:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	268664	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	1029031	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	545680	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	952375	20.000	ng	0.00
76) Chrysene-d12	13.986	240	546797	20.000	ng	0.00
86) Perylene-d12	15.445	264	494154	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1988304	121.829	ng	0.00
7) Phenol-d6	6.457	99	2600411	120.297	ng	0.00
23) Nitrobenzene-d5	7.398	82	2156825	104.864	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	652968	101.175	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	3609485	90.942	ng	0.00
79) Terphenyl-d14	12.939	244	4068426	117.326	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.557	88	473973	67.424	ng	99
3) Pyridine	3.304	79	1105688	67.917	ng	99
4) n-Nitrosodimethylamine	3.263	42	598427	72.916	ng	100
6) Aniline	6.492	93	521441	28.213	ng	99
8) 2-Chlorophenol	6.616	128	1063361	59.748	ng	99
9) Benzaldehyde	6.381	77	619087	51.688	ng	99
10) Phenol	6.469	94	1365070	60.930	ng	97
11) bis(2-Chloroethyl)ether	6.569	93	1112573	66.589	ng	96
12) 1,3-Dichlorobenzene	6.769	146	1157733	57.088	ng	98
13) 1,4-Dichlorobenzene	6.851	146	1160534	56.376	ng	99
14) 1,2-Dichlorobenzene	7.004	146	1070694	55.127	ng	99
15) Benzyl Alcohol	6.969	79	944223	61.091	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1624495	82.535	ng	100
17) 2-Methylphenol	7.075	107	893930	62.912	ng	98
18) Hexachloroethane	7.345	117	432447	56.430	ng	98
19) n-Nitroso-di-n-propyla...	7.251	70	792252	61.099	ng	99
20) 3+4-Methylphenols	7.234	107	1091707	57.941	ng	94
22) Acetophenone	7.245	105	1400933	54.423	ng	99
24) Nitrobenzene	7.416	77	1168779	55.469	ng	98
25) Isophorone	7.657	82	2034290	59.029	ng	100
26) 2-Nitrophenol	7.728	139	467251	48.147	ng	98
27) 2,4-Dimethylphenol	7.763	122	754114	66.539	ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	1248974	58.026	ng	99
29) 2,4-Dichlorophenol	7.963	162	866778	55.396	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	943563	52.604	ng	99
31) Naphthalene	8.134	128	2998347	53.044	ng	99
32) Benzoic acid	7.886	122	681257	63.380	ng	98
33) 4-Chloroaniline	8.186	127	1133393	60.371	ng	99
34) Hexachlorobutadiene	8.251	225	561087	46.493	ng	100
35) Caprolactam	8.557	113	294367	63.193	ng	99
36) 4-Chloro-3-methylphenol	8.657	107	953935	54.167	ng	100
37) 2-Methylnaphthalene	8.822	142	1924796	51.477	ng	100
38) 1-Methylnaphthalene	8.922	142	1898518	51.339	ng	100
40) 1,2,4,5-Tetrachloroben...	8.986	216	860616	51.312	ng	100
41) Hexachlorocyclopentadiene	8.975	237	311667	74.443	ng	99
43) 2,4,6-Trichlorophenol	9.098	196	623356	60.697	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140976.D
Acq On : 26 Dec 2024 18:59
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Dec 26 23:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration

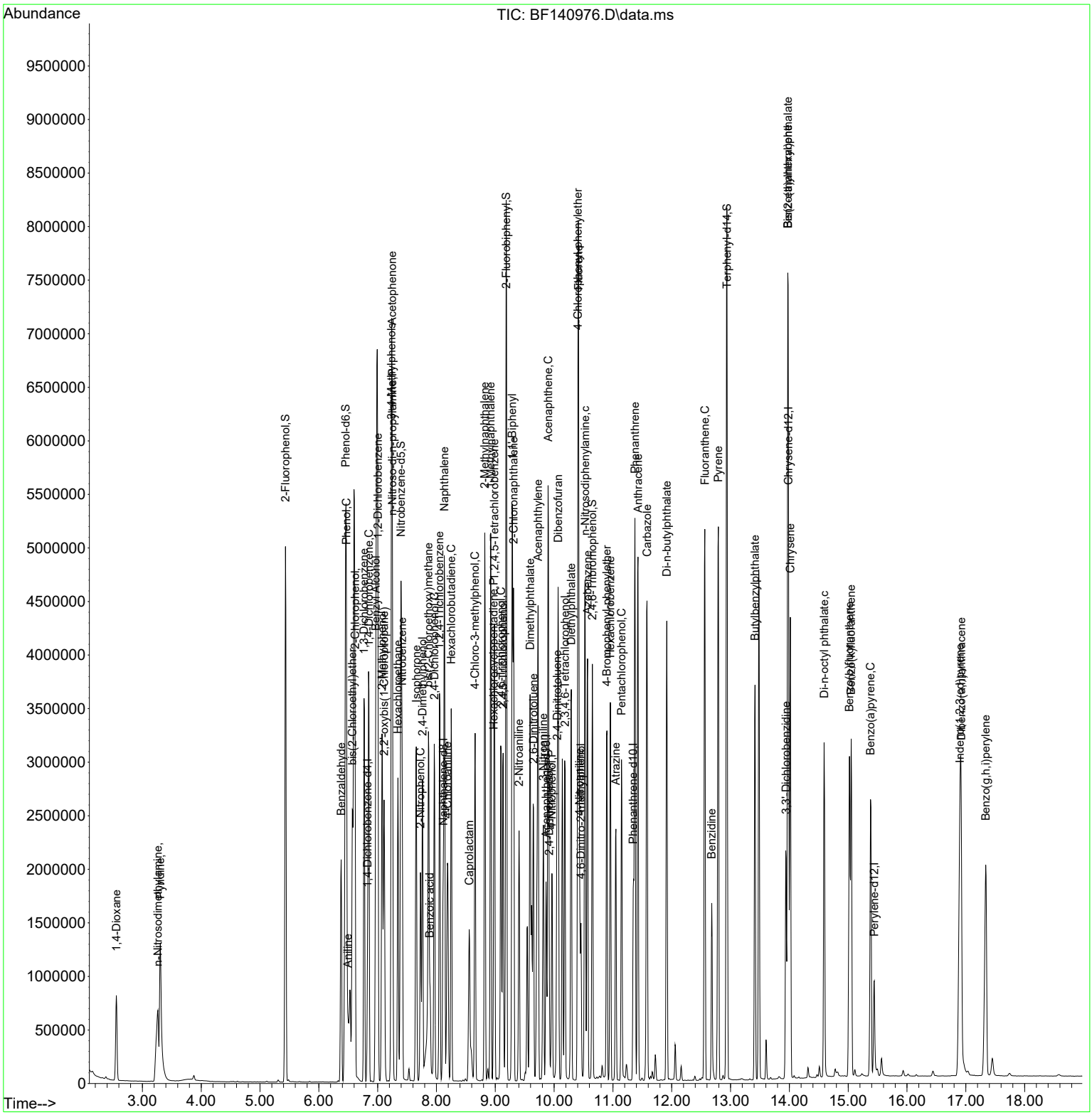
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	597336	52.917	ng		99
46) 1,1'-Biphenyl	9.286	154	2302280	53.058	ng		99
47) 2-Chloronaphthalene	9.310	162	1807450	54.449	ng		99
48) 2-Nitroaniline	9.404	65	538159	53.680	ng		97
49) Acenaphthylene	9.728	152	2603514	53.370	ng		99
50) Dimethylphthalate	9.592	163	2047854	53.230	ng		100
51) 2,6-Dinitrotoluene	9.651	165	455999	51.848	ng		99
52) Acenaphthene	9.898	154	1786036	57.316	ng		100
53) 3-Nitroaniline	9.816	138	498260	57.087	ng		98
54) 2,4-Dinitrophenol	9.916	184	160979	44.680	ng	#	13
55) Dibenzofuran	10.069	168	2477328	51.305	ng		99
56) 4-Nitrophenol	9.963	139	414262	101.141	ng		100
57) 2,4-Dinitrotoluene	10.051	165	568343	49.114	ng		99
58) Fluorene	10.416	166	1857483	46.628	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	518034	56.319	ng		99
60) Diethylphthalate	10.292	149	2016065	50.536	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	911842	45.568	ng		99
62) 4-Nitroaniline	10.433	138	492850	54.036	ng		98
63) Azobenzene	10.569	77	2116887	56.443	ng		99
65) 4,6-Dinitro-2-methylph...	10.457	198	244187	45.248	ng		99
66) n-Nitrosodiphenylamine	10.528	169	1699227	58.031	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	568559	53.363	ng		97
68) Hexachlorobenzene	10.957	284	655571	54.270	ng		98
69) Atrazine	11.051	200	399874	48.897	ng		99
70) Pentachlorophenol	11.145	266	459586	104.061	ng		100
71) Phenanthrene	11.374	178	2736242	55.870	ng		99
72) Anthracene	11.427	178	2700285	55.987	ng		99
73) Carbazole	11.580	167	2591020	54.846	ng		99
74) Di-n-butylphthalate	11.916	149	2982533	53.795	ng		100
75) Fluoranthene	12.563	202	2957043	52.427	ng		99
77) Benzidine	12.680	184	840598	75.323	ng		99
78) Pyrene	12.792	202	3019750	62.104	ng		99
80) Butylbenzylphthalate	13.416	149	1164076	65.063	ng		99
81) Benzo(a)anthracene	13.974	228	2189499	56.498	ng		100
82) 3,3'-Dichlorobenzidine	13.945	252	633054	54.144	ng		99
83) Chrysene	14.015	228	1979370	56.169	ng		99
84) Bis(2-ethylhexyl)phtha...	13.974	149	1372706	59.503	ng		100
85) Di-n-octyl phthalate	14.592	149	1956498	56.057	ng		99
87) Indeno(1,2,3-cd)pyrene	16.898	276	2132438	69.152	ng		100
88) Benzo(b)fluoranthene	15.021	252	2019420	58.872	ng		100
89) Benzo(k)fluoranthene	15.051	252	1506683	51.206	ng		100
90) Benzo(a)pyrene	15.380	252	1578812	58.781	ng		98
91) Dibenzo(a,h)anthracene	16.921	278	1726815	67.594	ng		99
92) Benzo(g,h,i)perylene	17.339	276	1843269	70.892	ng		100

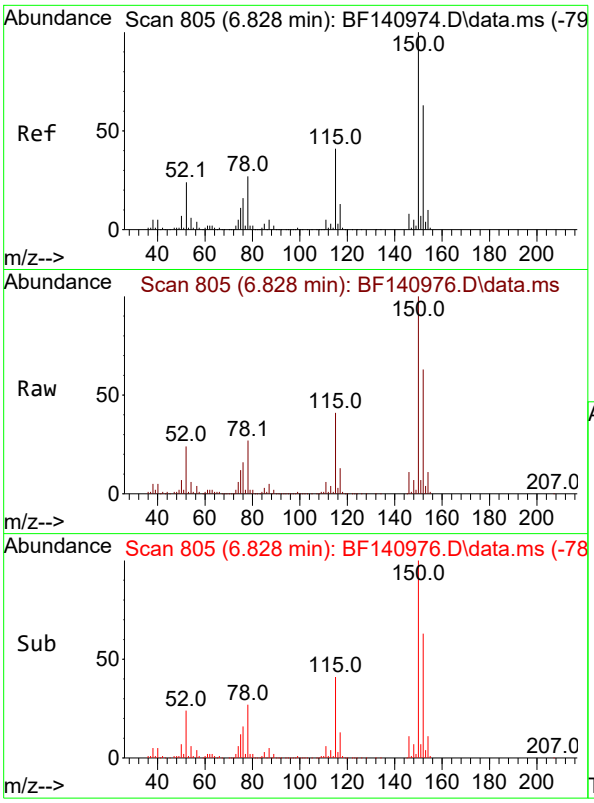
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140976.D
Acq On : 26 Dec 2024 18:59
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Dec 26 23:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration



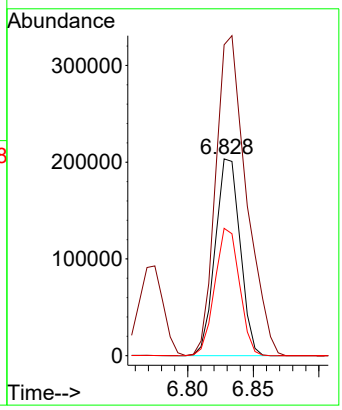


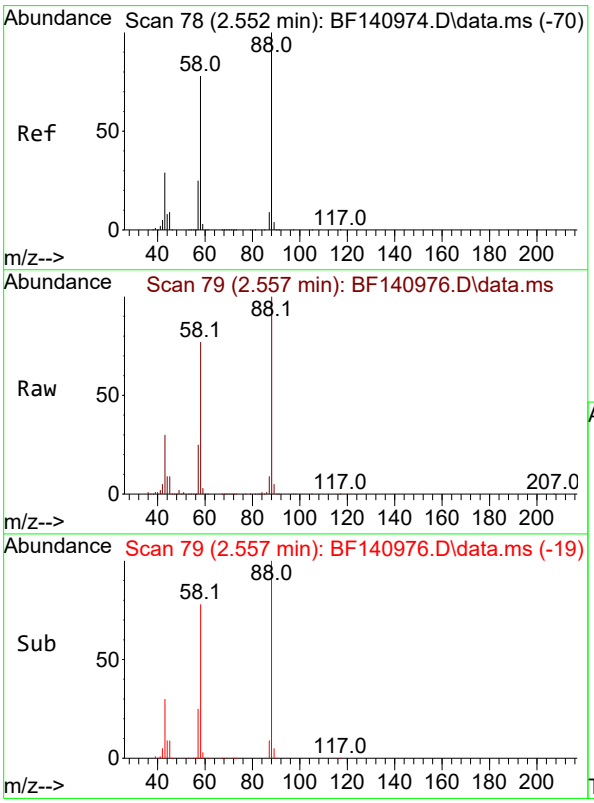
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 268664

Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.0	190.6
115	64.7	51.7	77.5

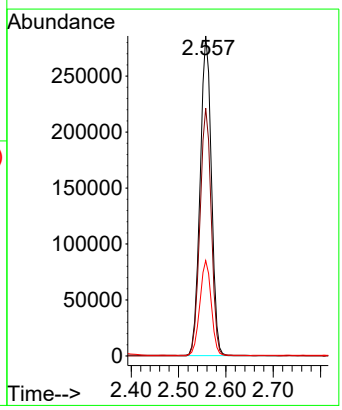


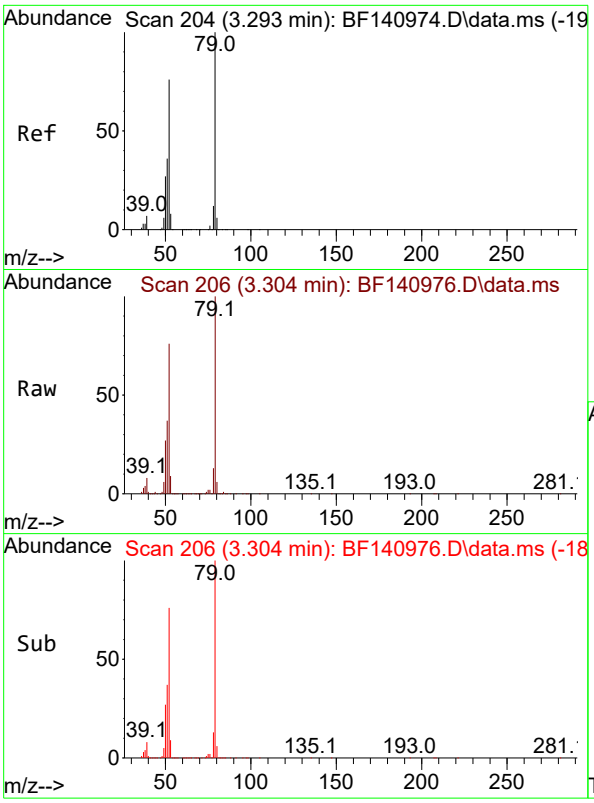


#2
1,4-Dioxane
Concen: 67.424 ng
RT: 2.557 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 88 Resp: 473973

Ion	Ratio	Lower	Upper
88	100		
58	77.7	63.0	94.4
43	29.8	23.4	35.2



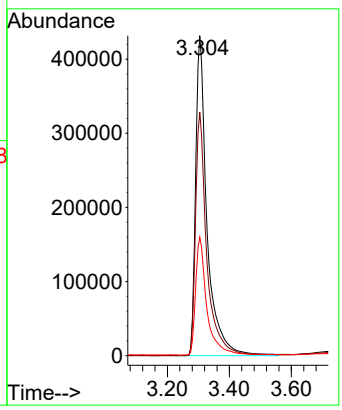


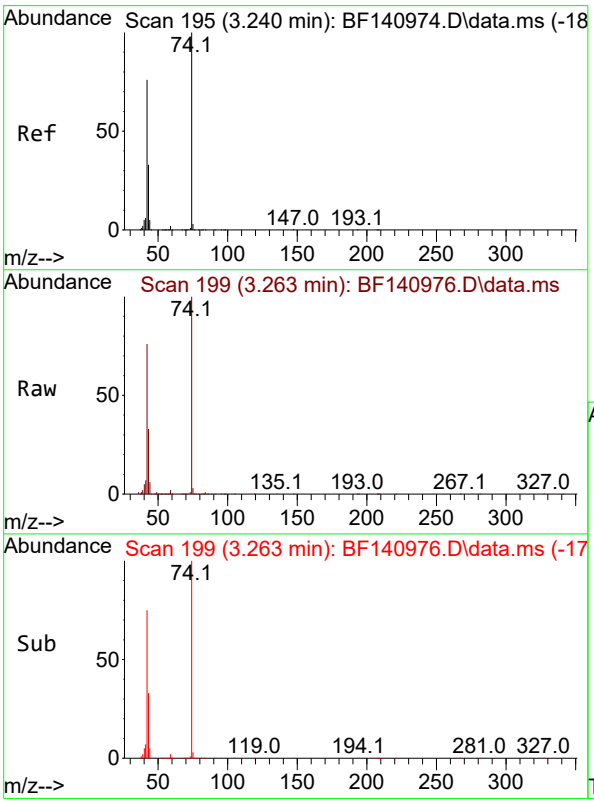
#3
Pyridine
Concen: 67.917 ng
RT: 3.304 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1105688

Ion	Ratio	Lower	Upper
79	100		
52	76.1	60.4	90.6
51	37.0	28.8	43.2

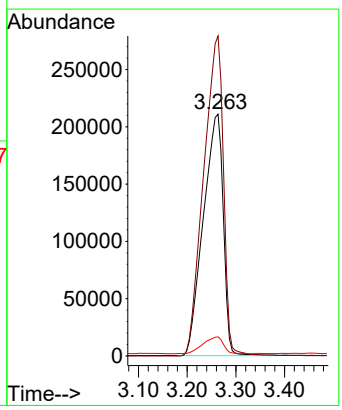


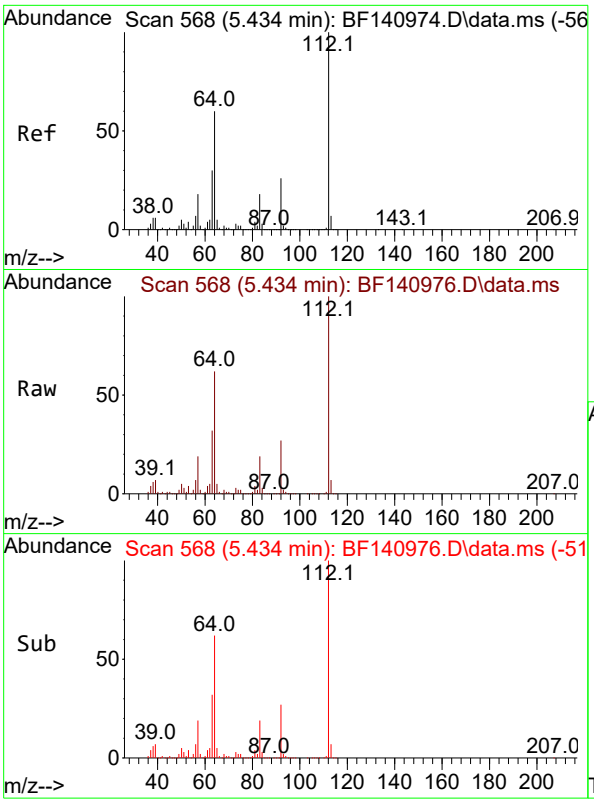


#4
n-Nitrosodimethylamine
Concen: 72.916 ng
RT: 3.263 min Scan# 199
Delta R.T. 0.023 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 42 Resp: 598427

Ion	Ratio	Lower	Upper
42	100		
74	132.3	105.8	158.6
44	7.9	6.6	10.0



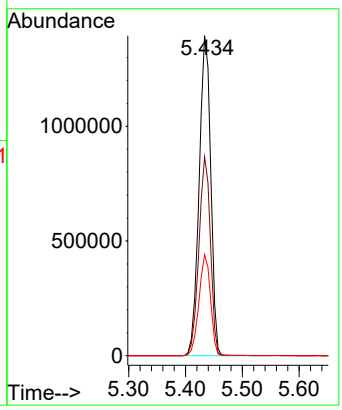


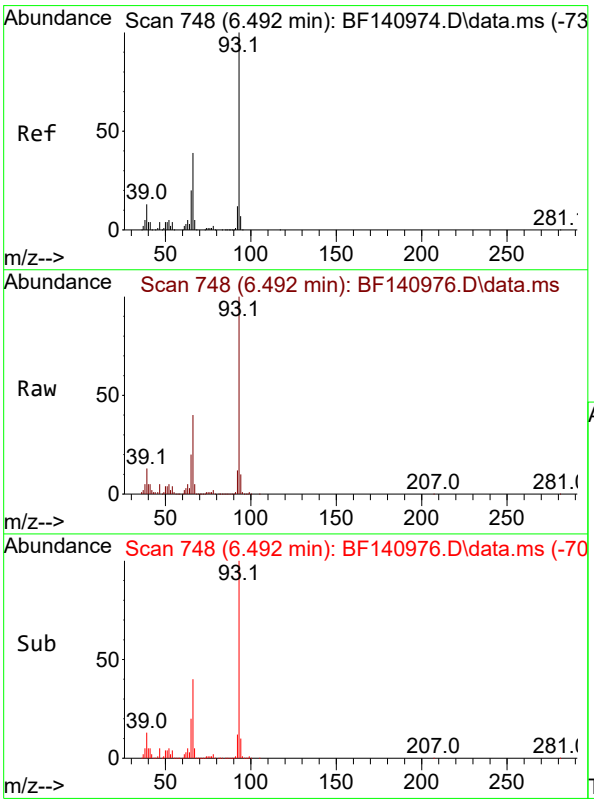
#5
2-Fluorophenol
Concen: 121.829 ng
RT: 5.434 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1988304

Ion	Ratio	Lower	Upper
112	100		
64	62.1	47.7	71.5
63	31.6	24.2	36.2

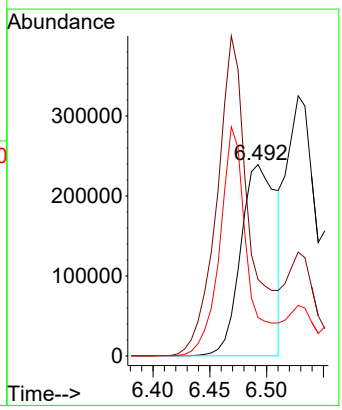


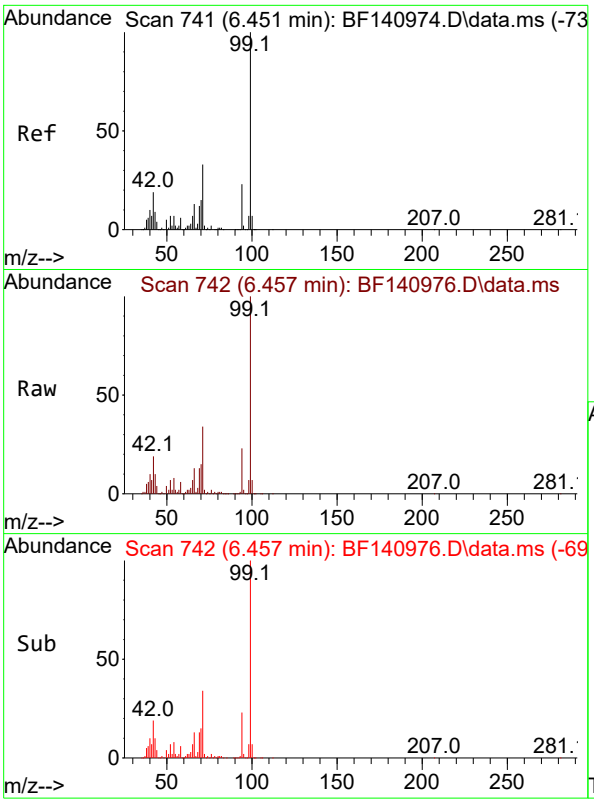


#6
Aniline
Concen: 28.213 ng
RT: 6.492 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 93 Resp: 521441

Ion	Ratio	Lower	Upper
93	100		
66	40.0	31.8	47.8
65	20.0	15.4	23.0



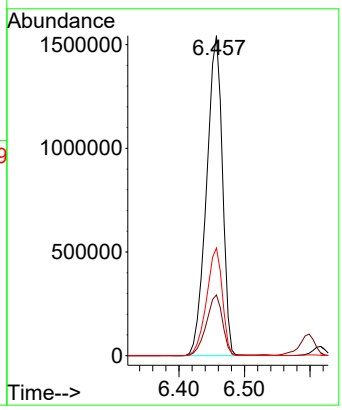


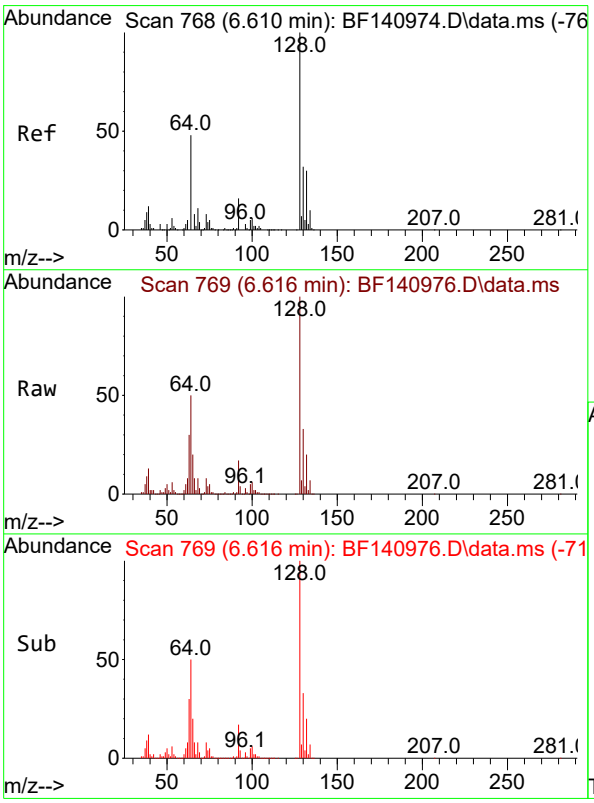
#7
Phenol-d6
Concen: 120.297 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 2600411

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.0	22.4
71	33.7	26.2	39.2

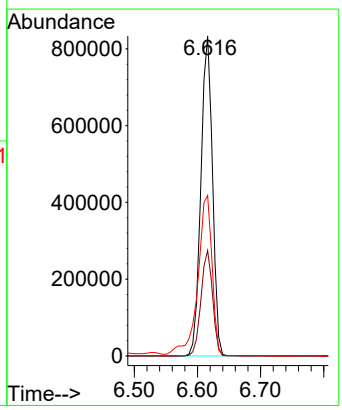


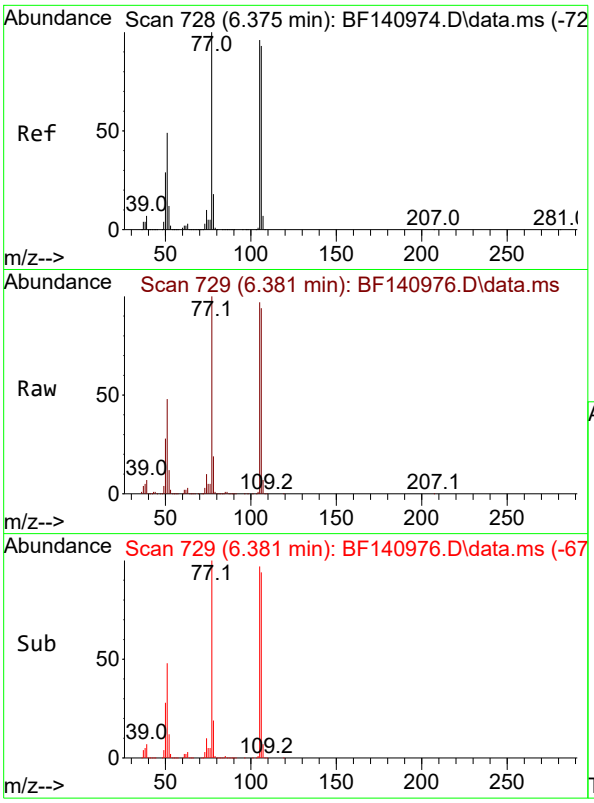


#8
2-Chlorophenol
Concen: 59.748 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:128 Resp: 1063361

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.2	52.2
64	50.2	30.3	70.3



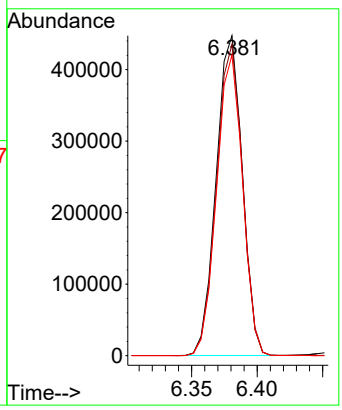


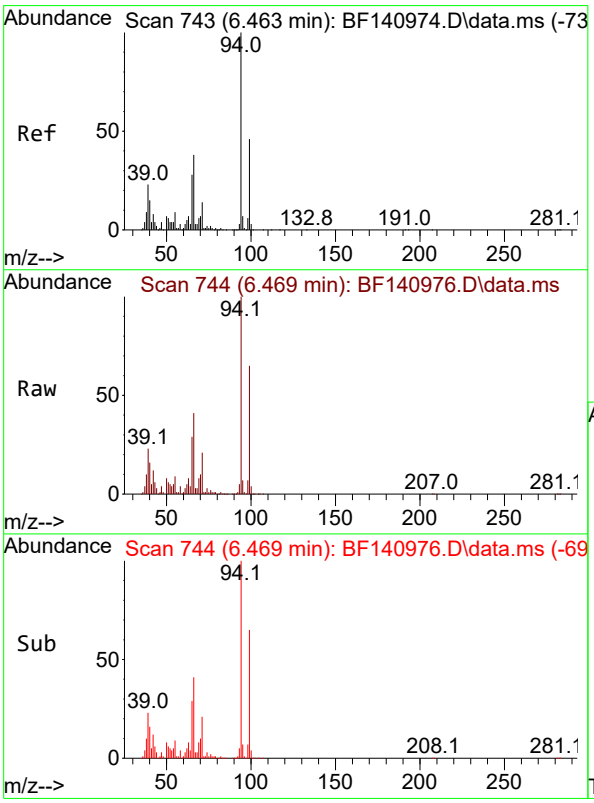
#9
Benzaldehyde
Concen: 51.688 ng
RT: 6.381 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 619087

Ion	Ratio	Lower	Upper
77	100		
105	97.3	76.2	116.2
106	94.0	73.4	113.4

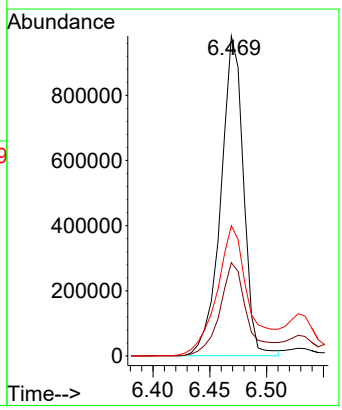


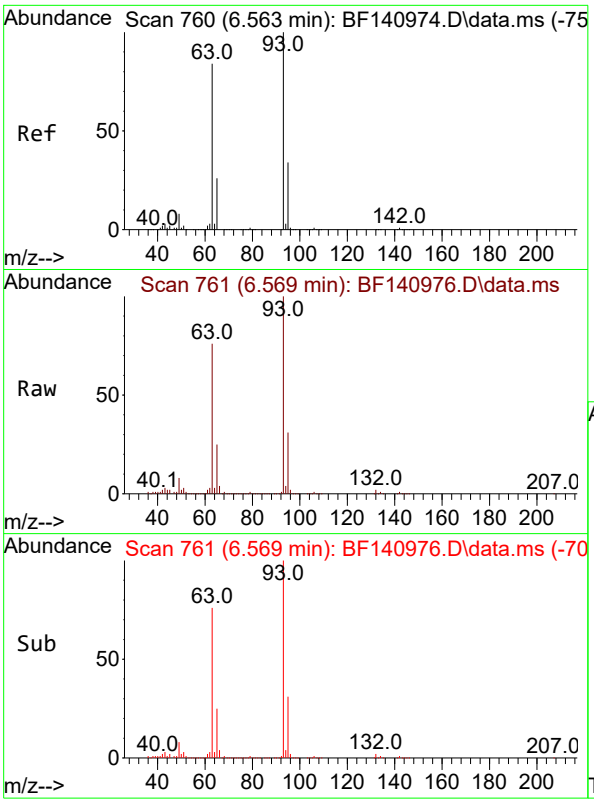


#10
Phenol
Concen: 60.930 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 94 Resp: 1365070

Ion	Ratio	Lower	Upper
94	100		
65	29.1	8.1	48.1
66	40.7	18.7	58.7



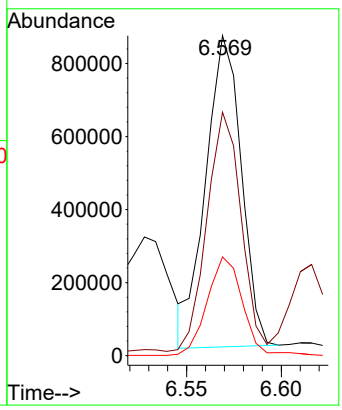


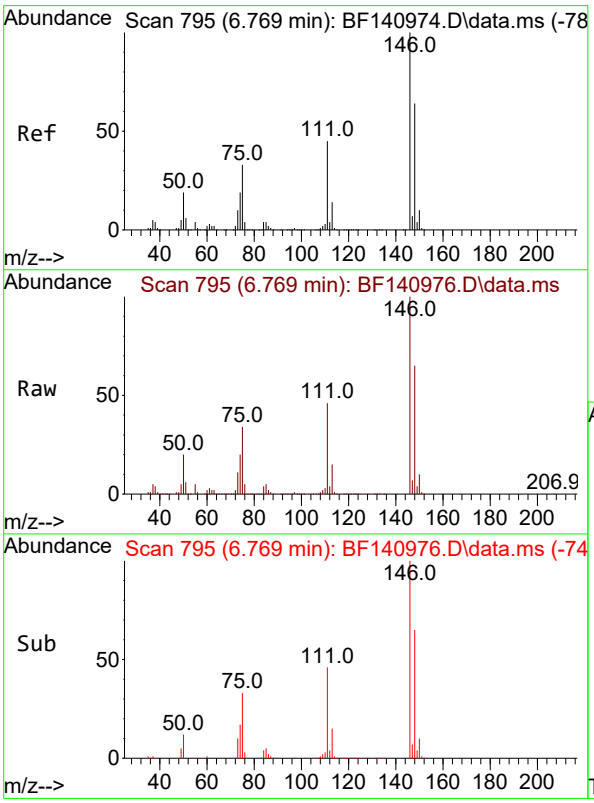
#11
bis(2-Chloroethyl)ether
Concen: 66.589 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1112573

Ion	Ratio	Lower	Upper
93	100		
63	76.1	60.3	100.3
95	30.9	12.2	52.2

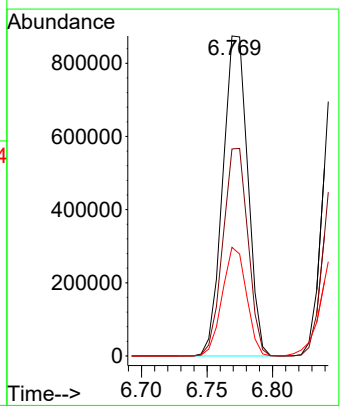


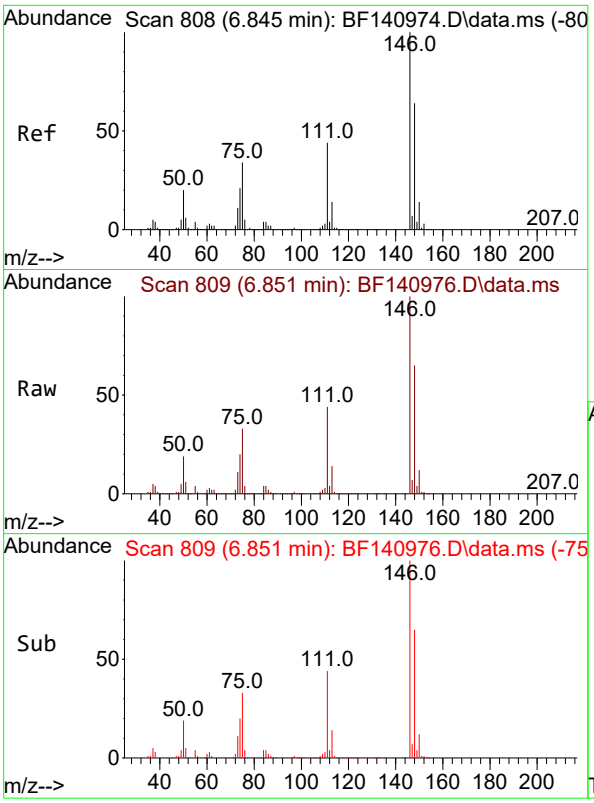


#12
1,3-Dichlorobenzene
Concen: 57.088 ng
RT: 6.769 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:146 Resp: 1157733

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.4
75	33.9	26.1	39.1



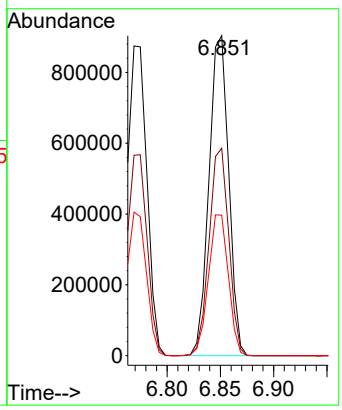


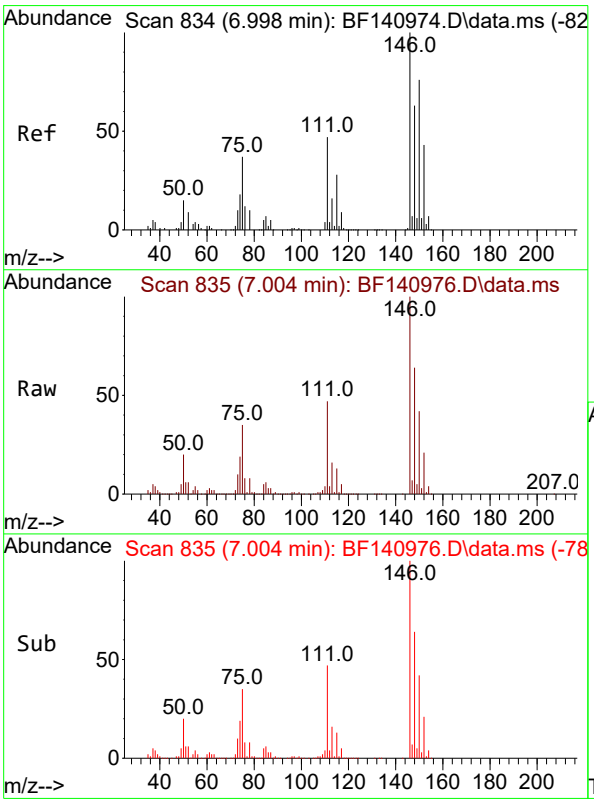
#13
1,4-Dichlorobenzene
Concen: 56.376 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1160534

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.3	76.9
111	43.9	35.3	52.9

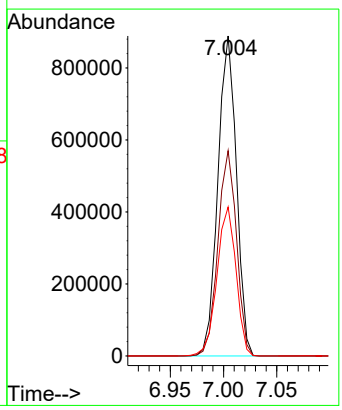


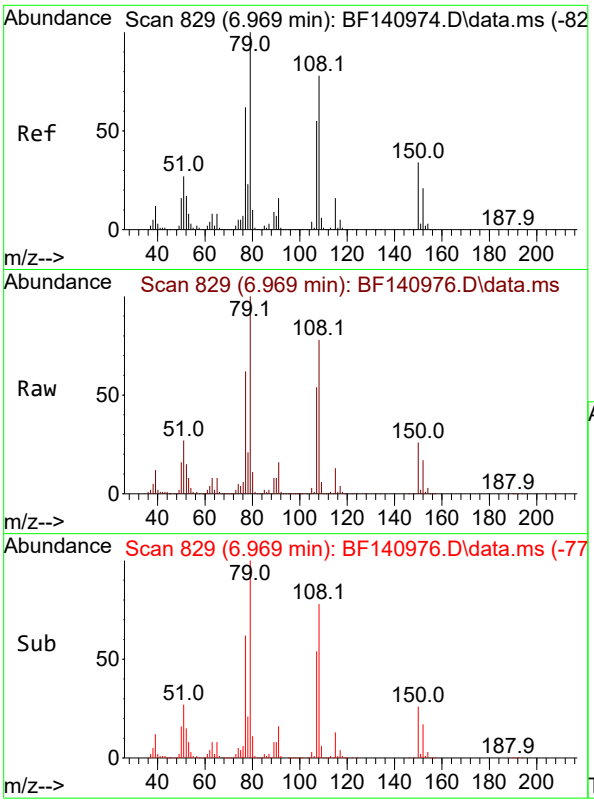


#14
1,2-Dichlorobenzene
Concen: 55.127 ng
RT: 7.004 min Scan# 835
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:146 Resp: 1070694

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.6	76.0
111	46.6	37.3	55.9



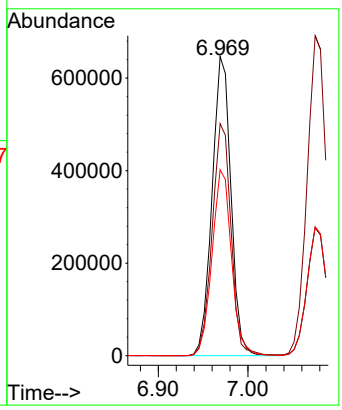


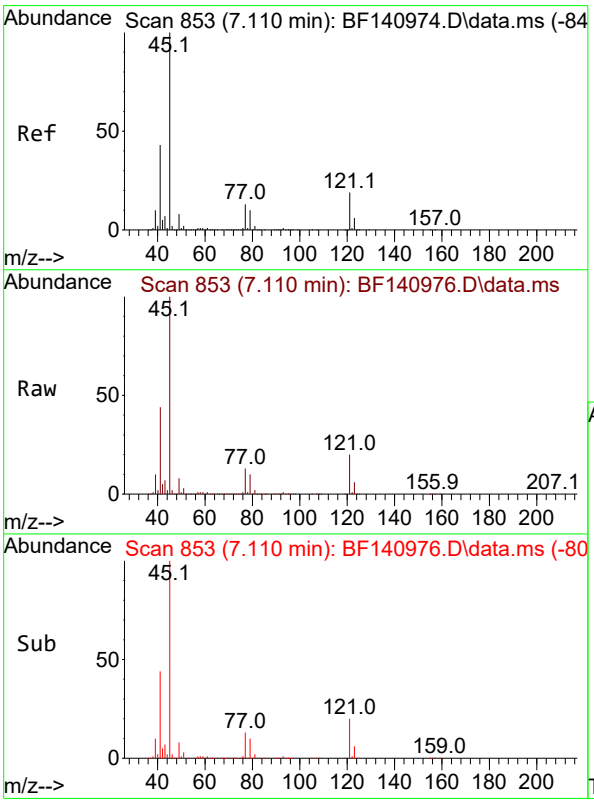
#15
Benzyl Alcohol
Concen: 61.091 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 944223

Ion	Ratio	Lower	Upper
79	100		
108	77.5	62.5	93.7
77	62.2	49.3	73.9

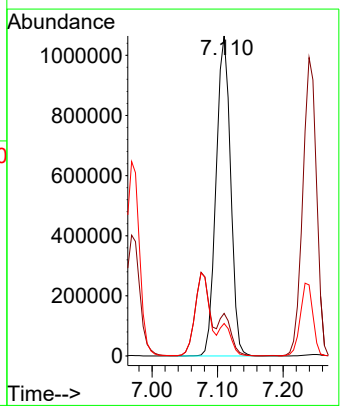


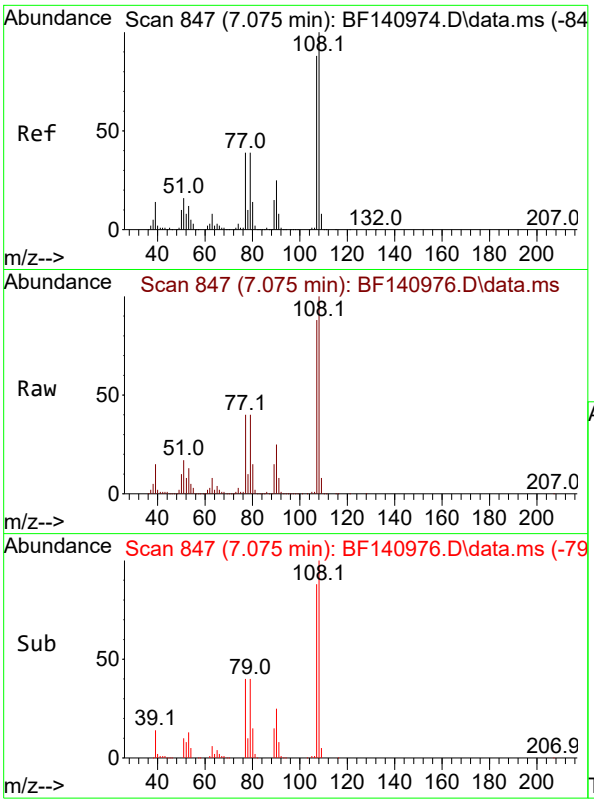


#16
2,2'-oxybis(1-Chloropropane)
Concen: 82.535 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 45 Resp: 1624495

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	33.1
79	10.2	0.0	30.1



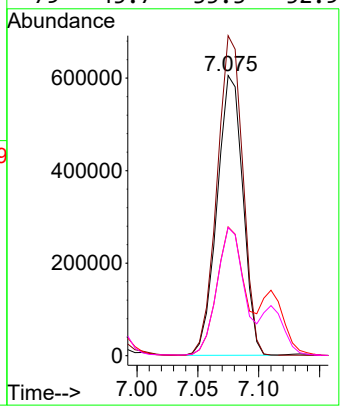


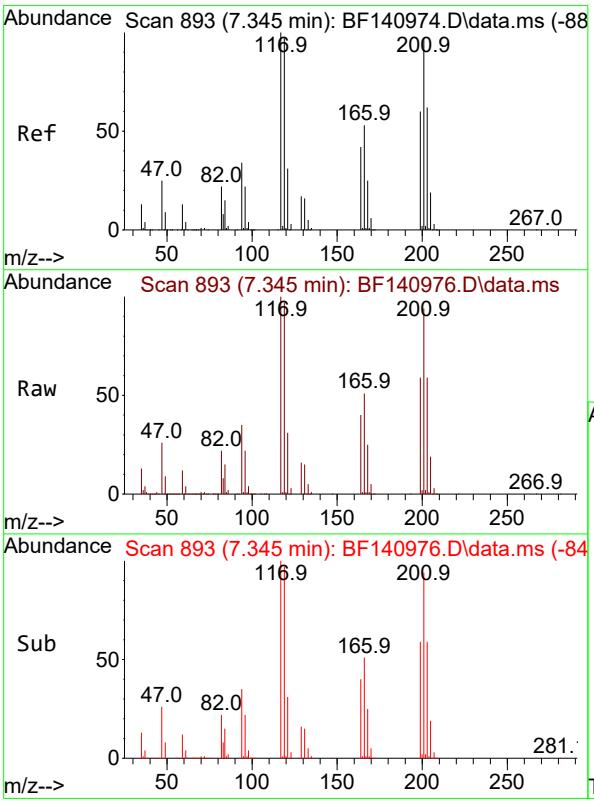
#17
2-Methylphenol
Concen: 62.912 ng
RT: 7.075 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 893930

Ion	Ratio	Lower	Upper
107	100		
108	114.2	90.6	136.0
77	46.0	35.3	52.9
79	45.7	35.3	52.9

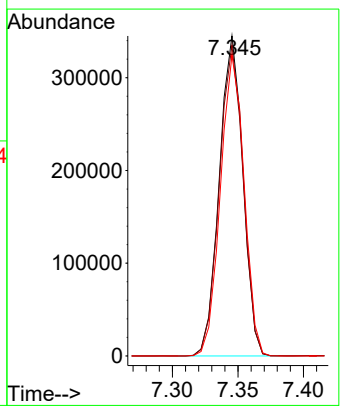


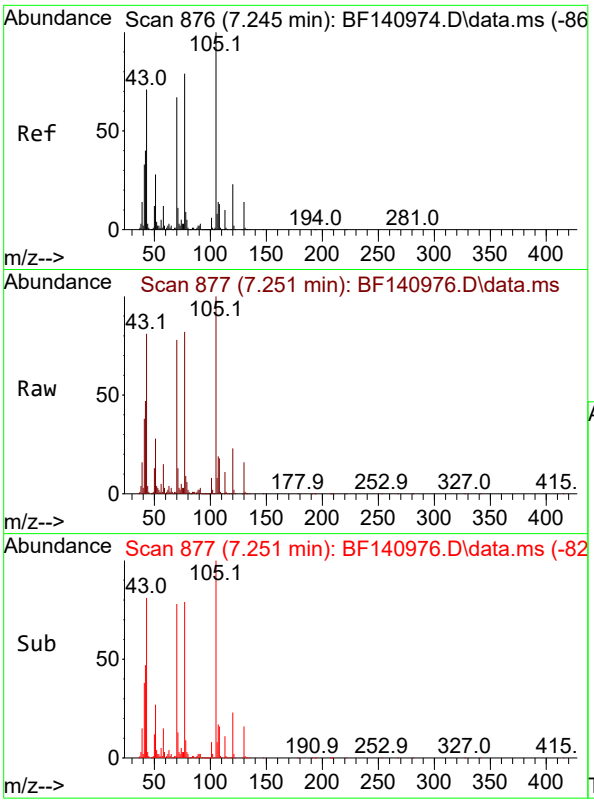


#18
Hexachloroethane
Concen: 56.430 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:117 Resp: 432447

Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.5	116.3
201	94.0	77.4	116.2



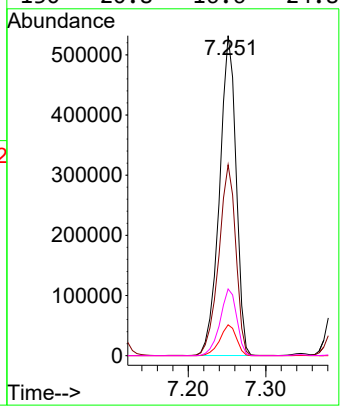


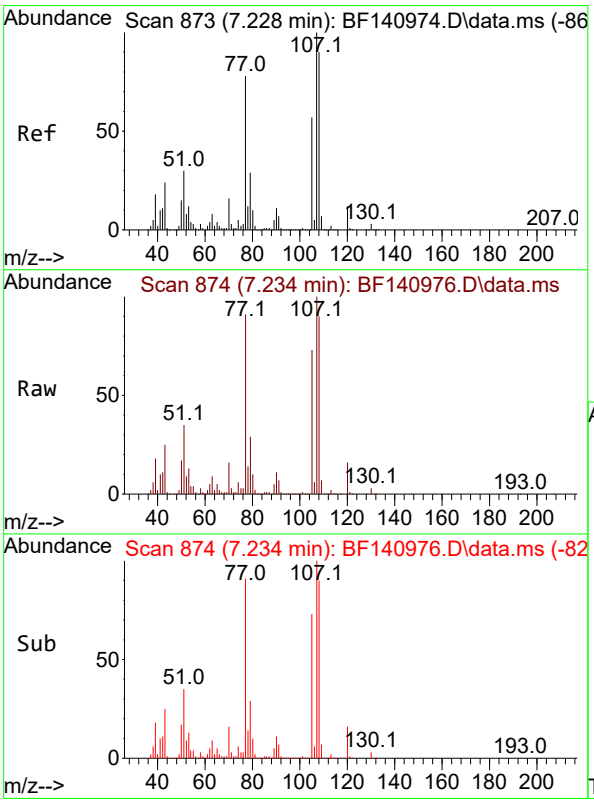
#19
n-Nitroso-di-n-propylamine
Concen: 61.099 ng
RT: 7.251 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 792252

Ion	Ratio	Lower	Upper
70	100		
42	59.7	48.1	72.1
101	9.7	7.6	11.4
130	20.8	16.6	24.8

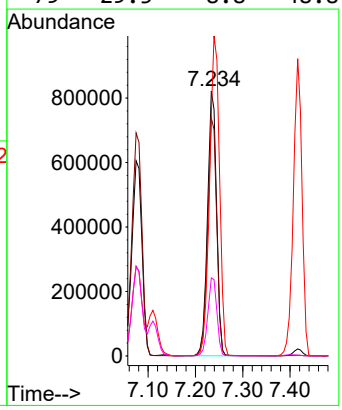


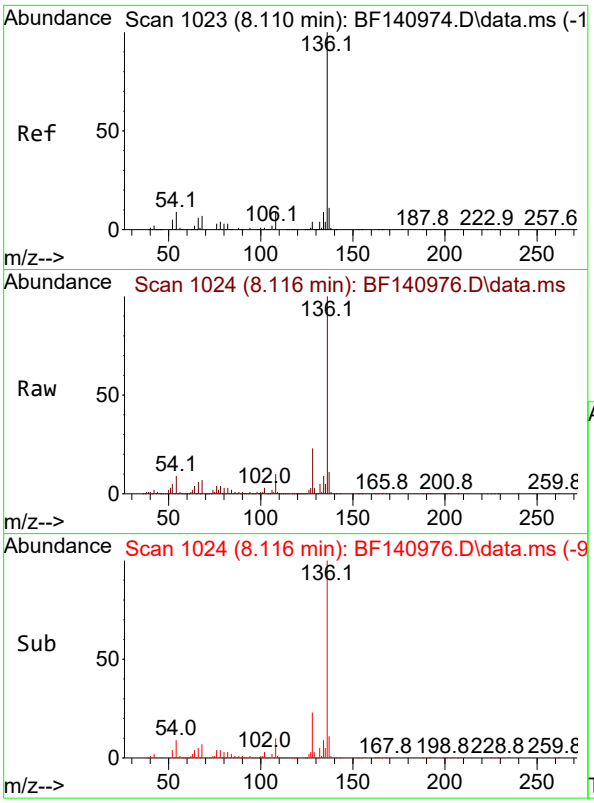


#20
3+4-Methylphenols
Concen: 57.941 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:107 Resp: 1091707

Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.6	109.6
77	91.0	57.6	97.6
79	29.5	8.8	48.8



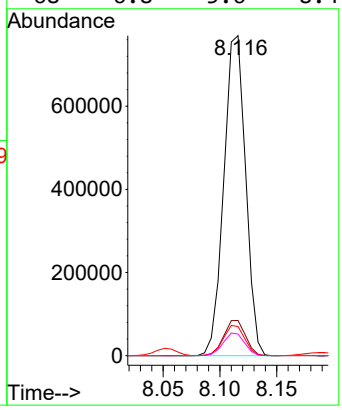


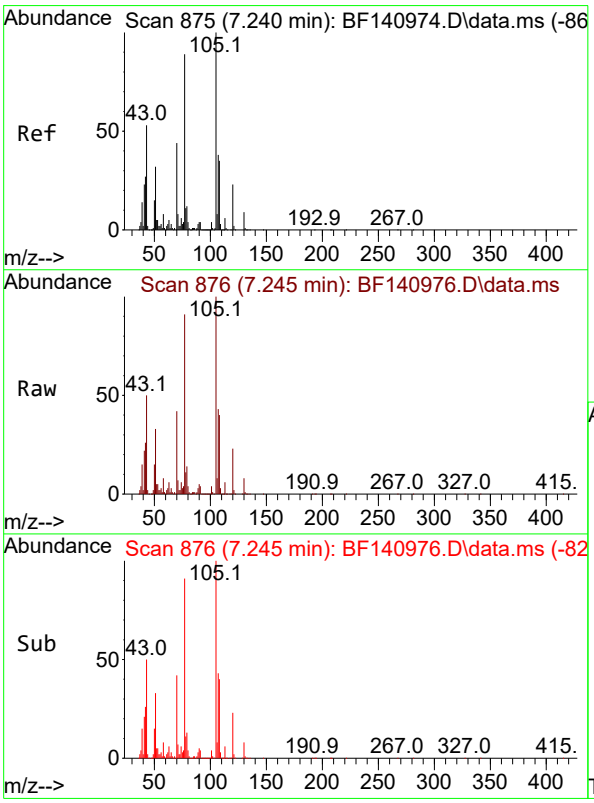
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 1029031

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.1	7.6	11.4
68	6.8	5.6	8.4

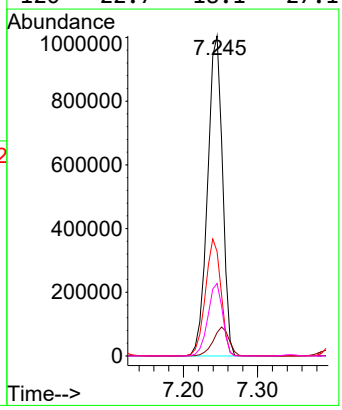


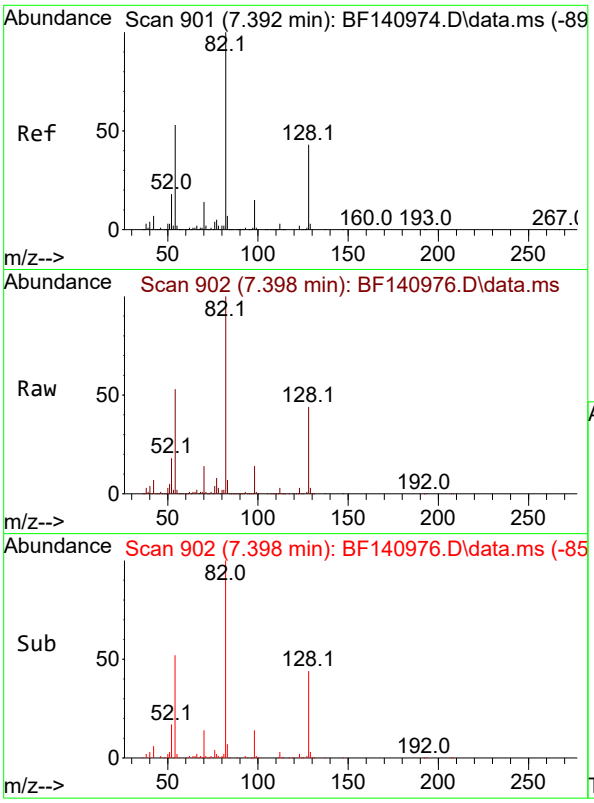


#22
Acetophenone
Concen: 54.423 ng
RT: 7.245 min Scan# 876
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:105 Resp: 1400933

Ion	Ratio	Lower	Upper
105	100		
71	7.3	6.1	9.1
51	32.7	25.8	38.6
120	22.7	18.1	27.1



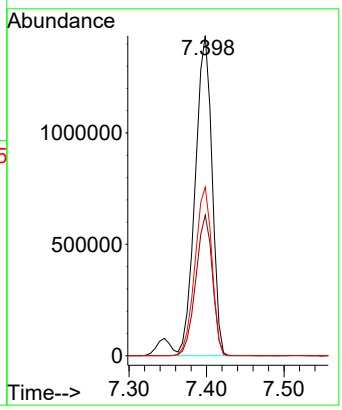


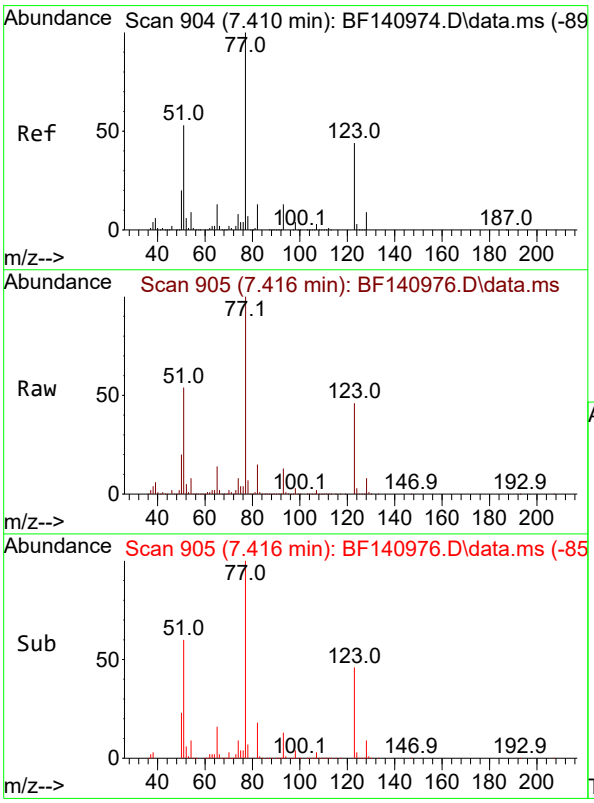
#23
Nitrobenzene-d5
Concen: 104.864 ng
RT: 7.398 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2156825

Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.4	51.6
54	52.7	42.4	63.6

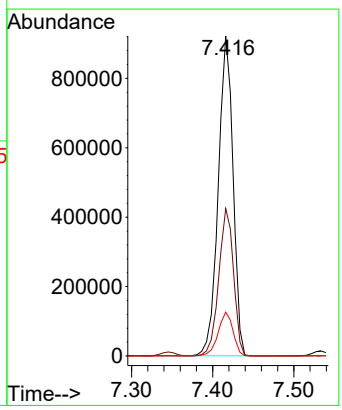


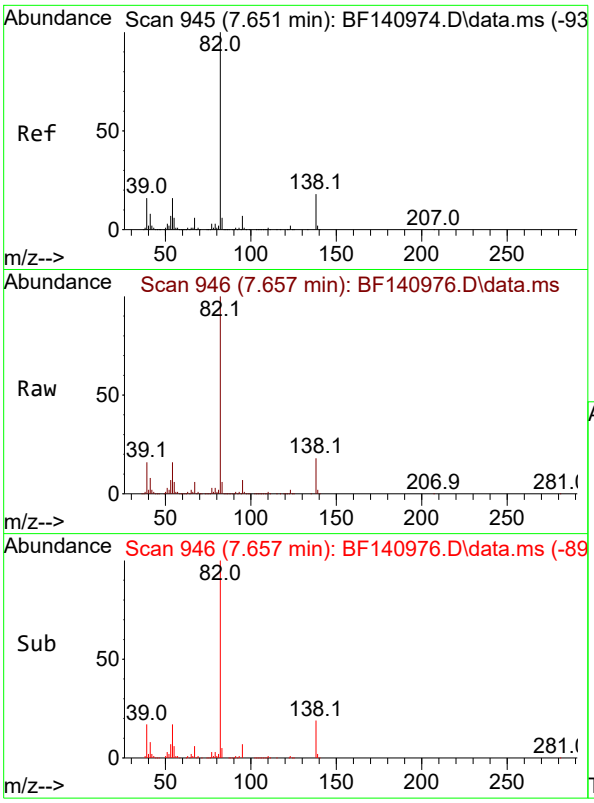


#24
Nitrobenzene
Concen: 55.469 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 77 Resp: 1168779

Ion	Ratio	Lower	Upper
77	100		
123	46.1	35.4	53.2
65	13.7	10.7	16.1



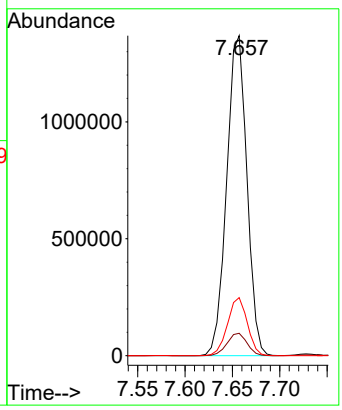


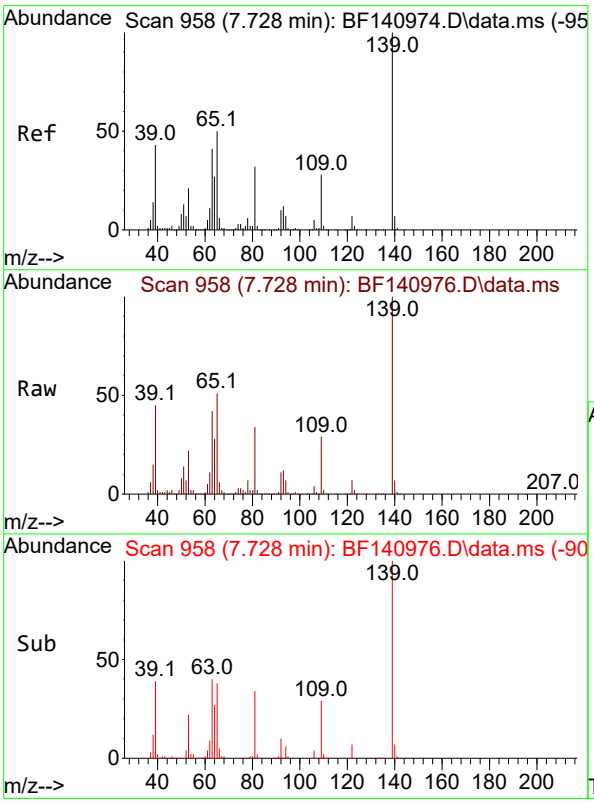
#25
Isophorone
Concen: 59.029 ng
RT: 7.657 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2034290

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	18.1	14.6	21.8

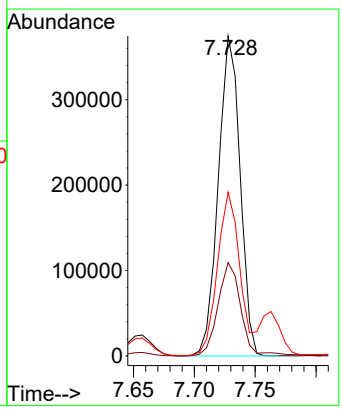


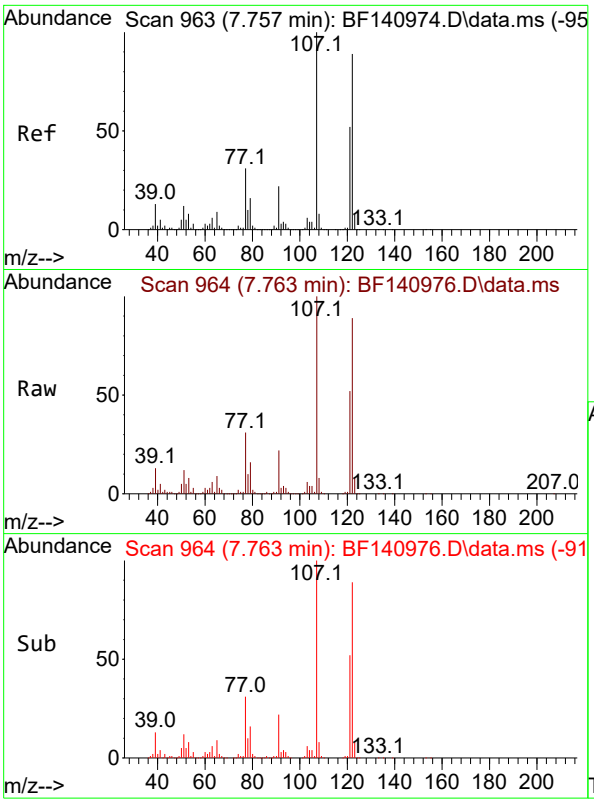


#26
2-Nitrophenol
Concen: 48.147 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:139 Resp: 467251

Ion	Ratio	Lower	Upper
139	100		
109	29.2	22.2	33.4
65	51.1	40.2	60.4



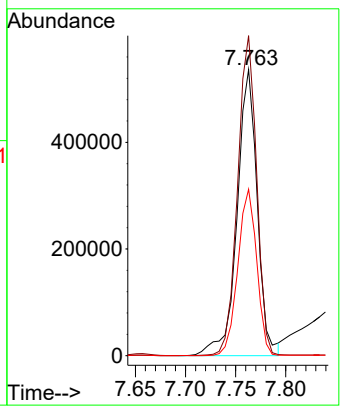


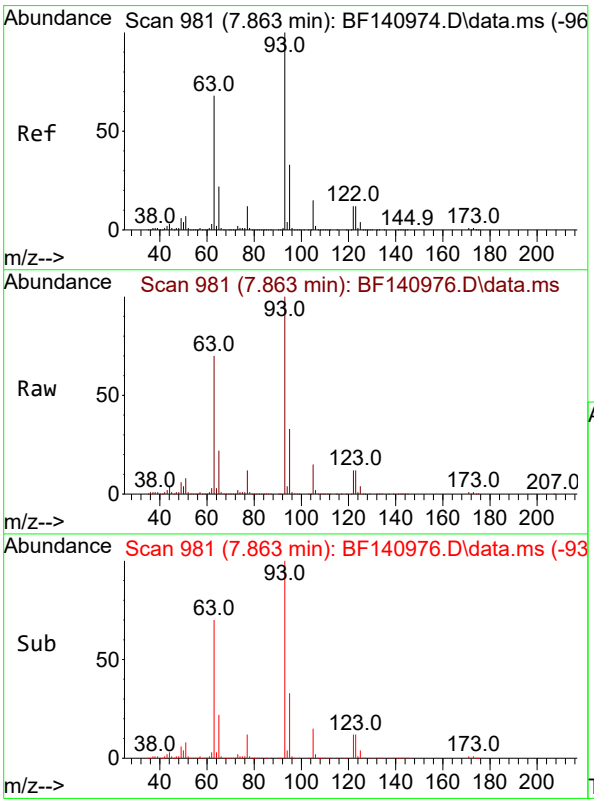
#27
2,4-Dimethylphenol
Concen: 66.539 ng
RT: 7.763 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 754114

Ion	Ratio	Lower	Upper
122	100		
107	111.8	89.4	134.2
121	58.1	46.7	70.1

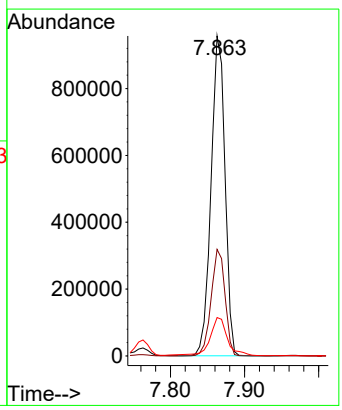


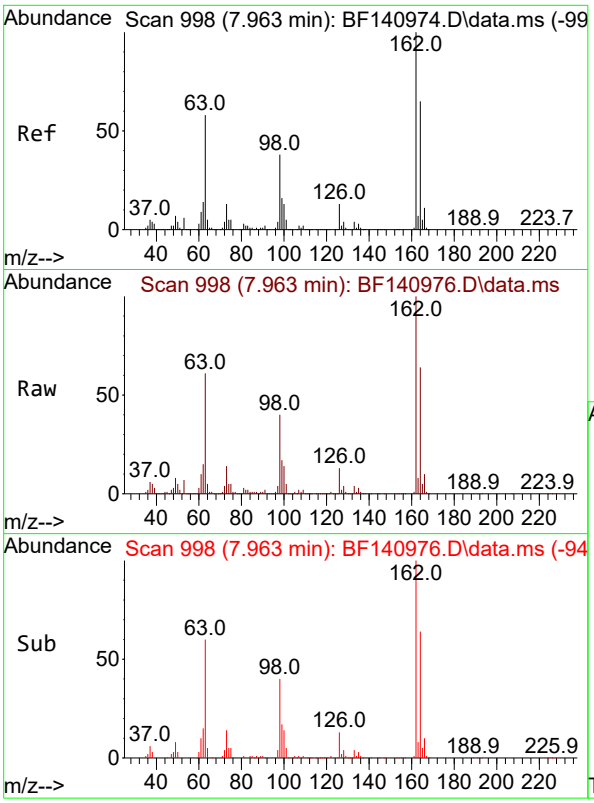


#28
bis(2-Chloroethoxy)methane
Concen: 58.026 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 93 Resp: 1248974

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.2	39.4
123	12.0	9.9	14.9



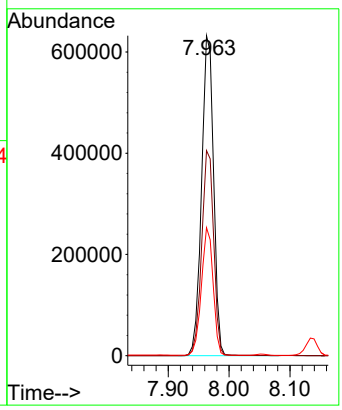


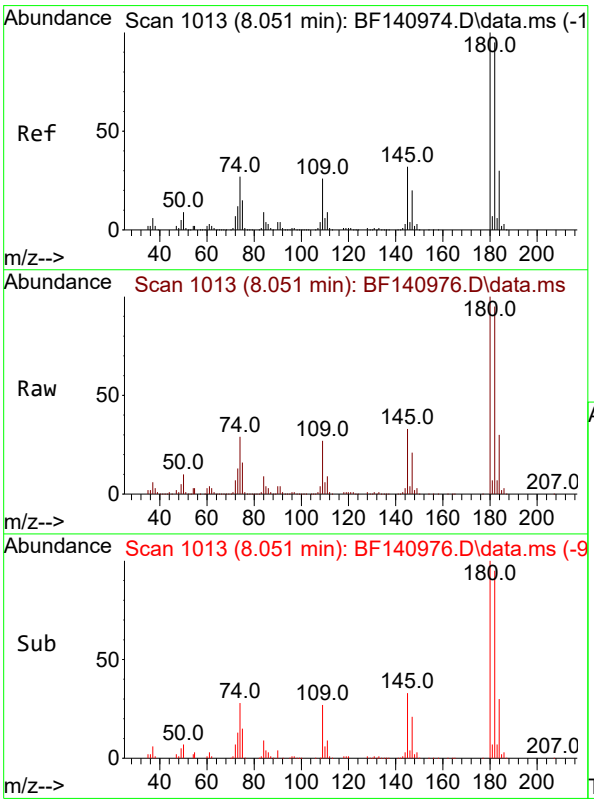
#29
2,4-Dichlorophenol
Concen: 55.396 ng
RT: 7.963 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 866778

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.8	84.8
98	40.0	18.6	58.6

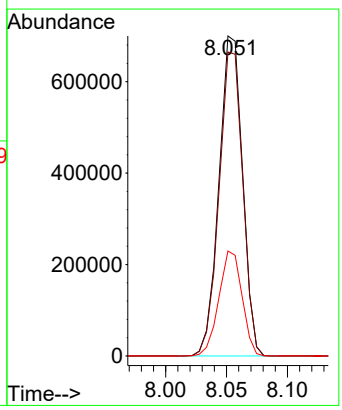


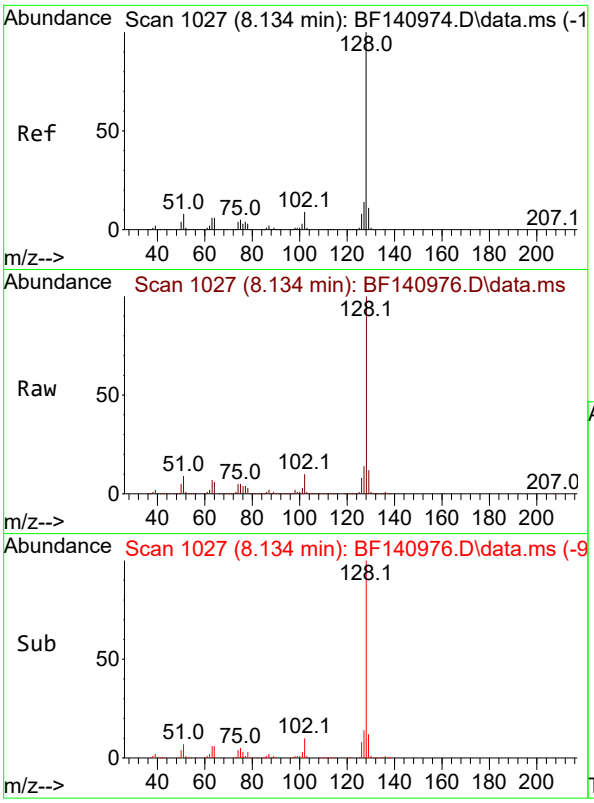


#30
1,2,4-Trichlorobenzene
Concen: 52.604 ng
RT: 8.051 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:180 Resp: 943563

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
145	32.8	25.4	38.2



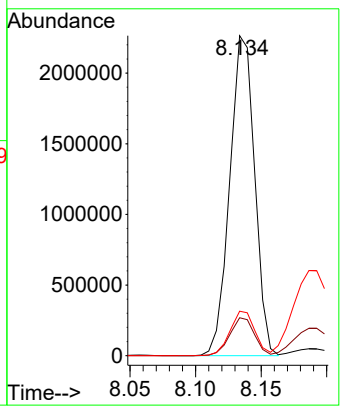


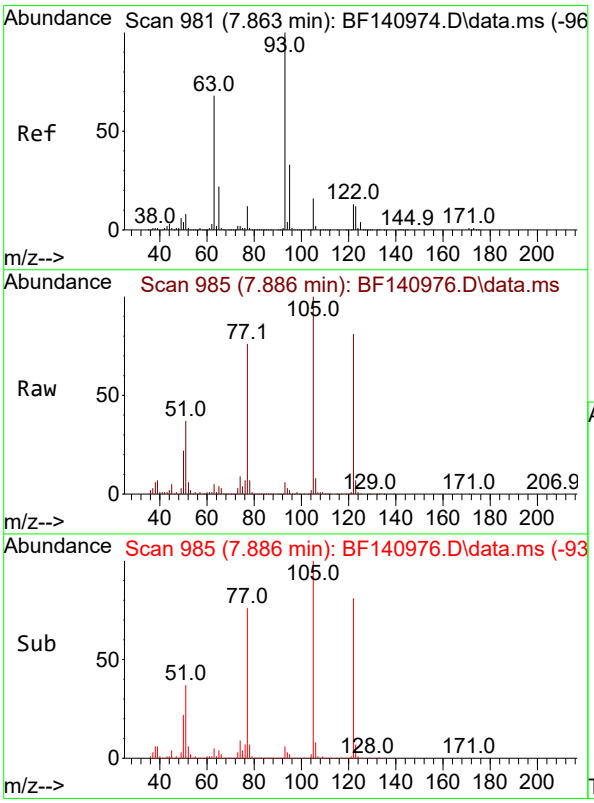
#31
Naphthalene
Concen: 53.044 ng
RT: 8.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 2998347

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.2	13.8
127	13.9	11.0	16.4

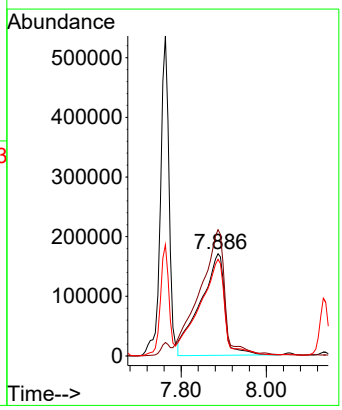


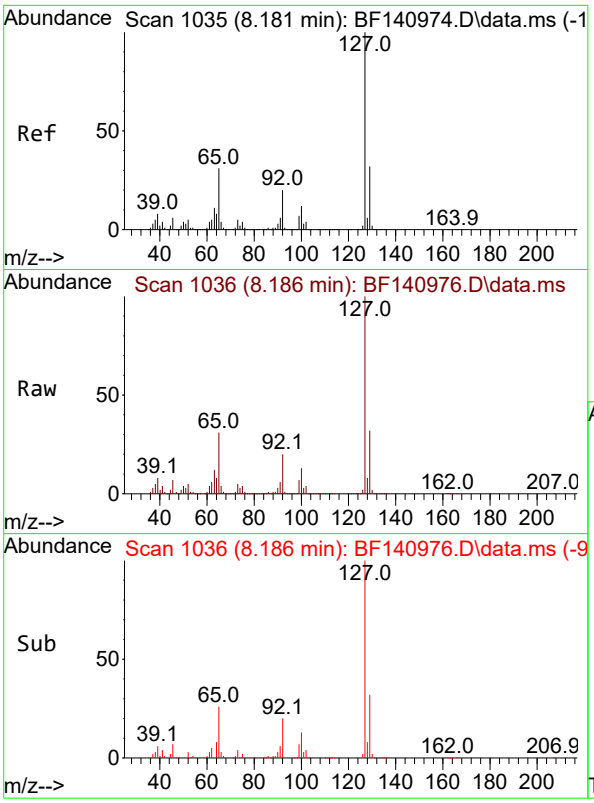


#32
Benzoic acid
Concen: 63.380 ng
RT: 7.886 min Scan# 985
Delta R.T. 0.023 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:122 Resp: 681257

Ion	Ratio	Lower	Upper
122	100		
105	123.4	105.4	145.4
77	94.4	76.4	116.4



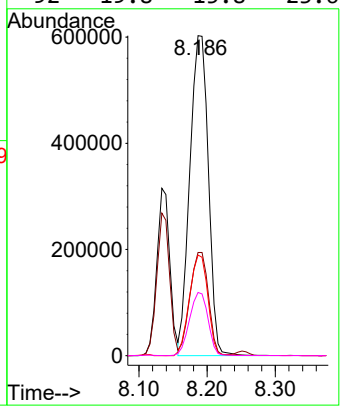


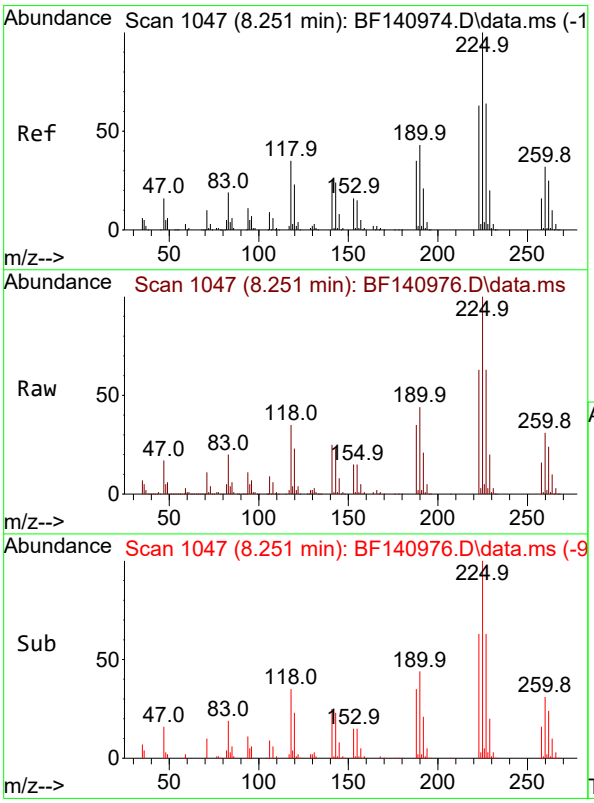
#33
4-Chloroaniline
Concen: 60.371 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1133393

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	31.5	24.6	37.0
92	19.8	15.8	23.6

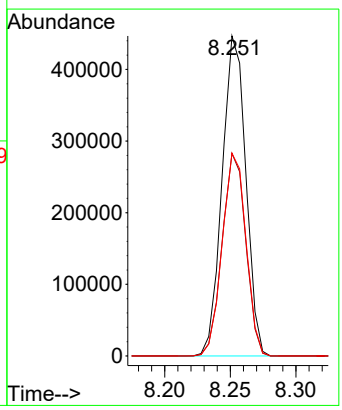


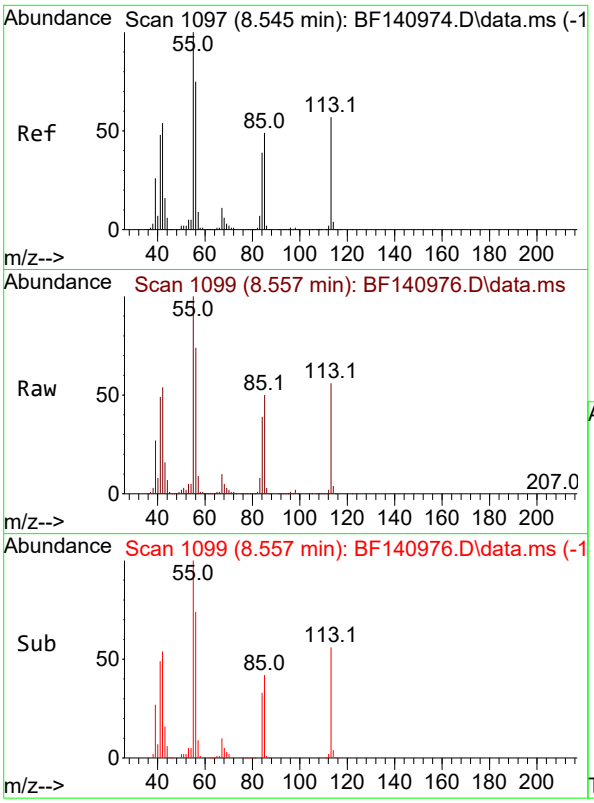


#34
Hexachlorobutadiene
Concen: 46.493 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:225 Resp: 561087

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.3	75.5
227	63.4	50.8	76.2



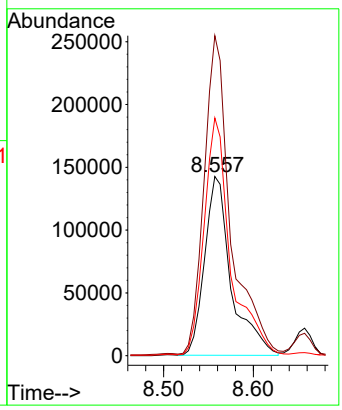


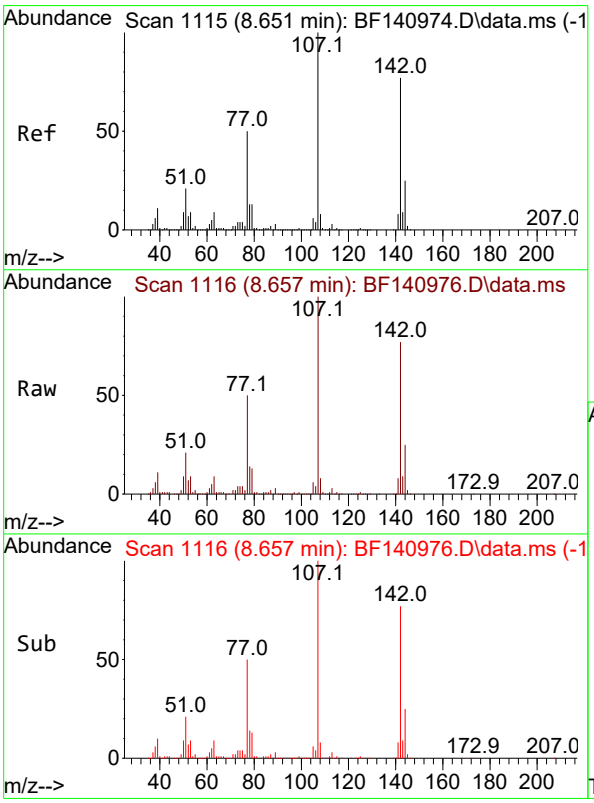
#35
Caprolactam
Concen: 63.193 ng
RT: 8.557 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 294367

Ion	Ratio	Lower	Upper
113	100		
55	178.6	156.6	196.6
56	132.7	111.7	151.7

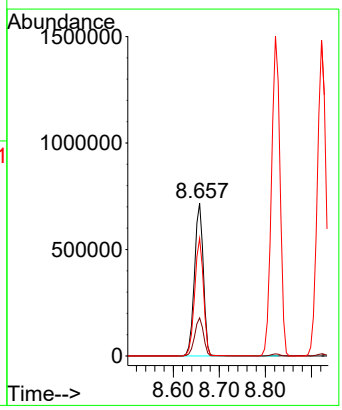


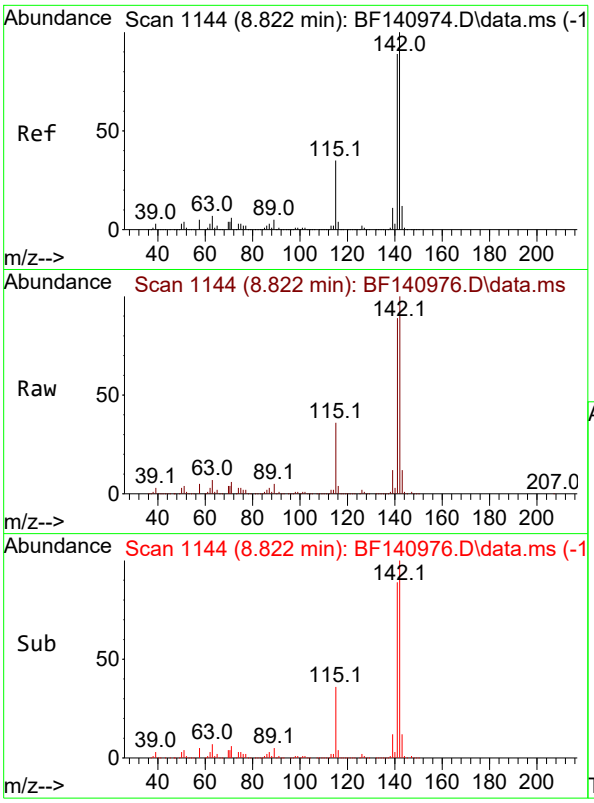


#36
4-Chloro-3-methylphenol
Concen: 54.167 ng
RT: 8.657 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:107 Resp: 953935

Ion	Ratio	Lower	Upper
107	100		
144	25.0	19.9	29.9
142	77.0	61.8	92.8



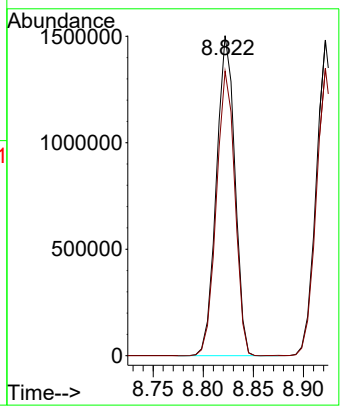


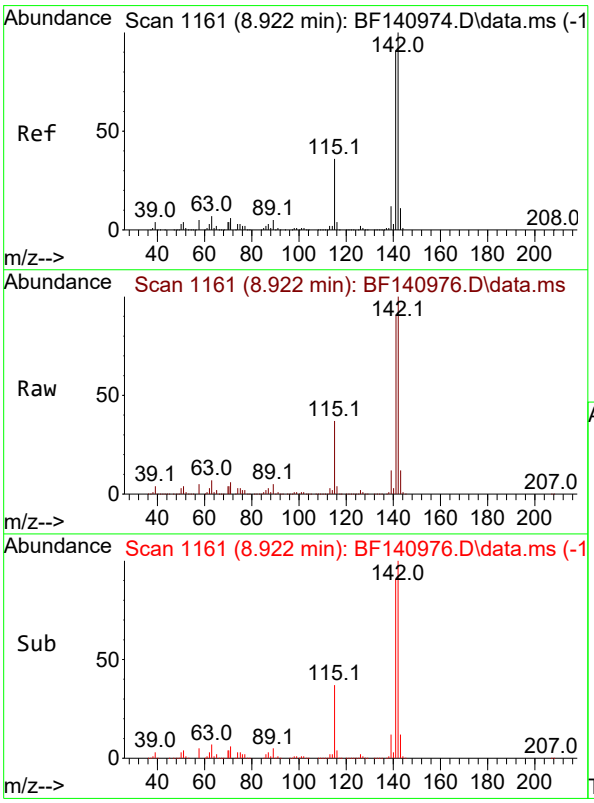
#37
2-Methylnaphthalene
Concen: 51.477 ng
RT: 8.822 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1924796

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.1	106.7

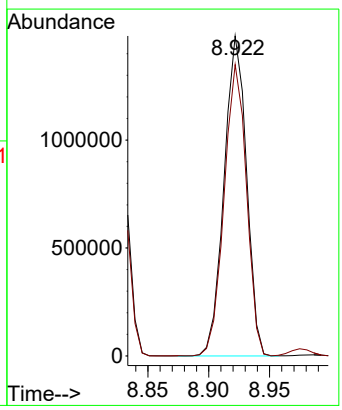


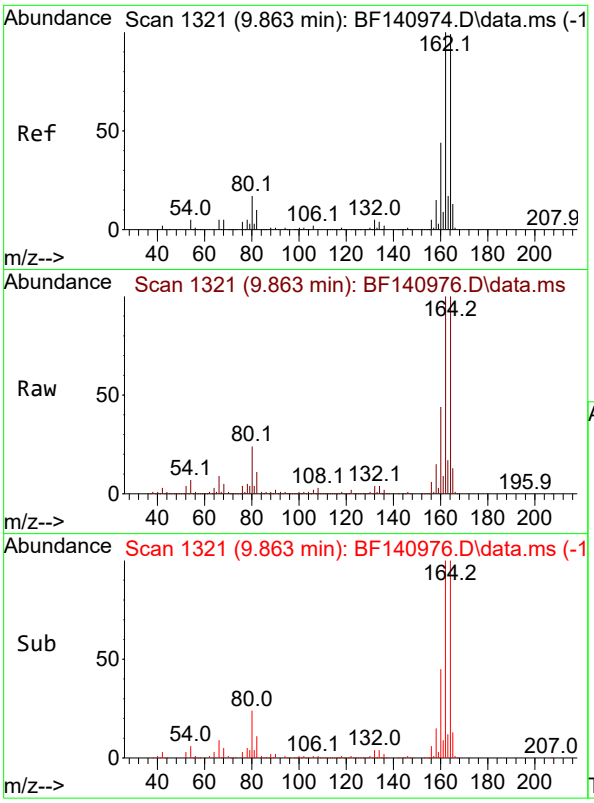


#38
1-Methylnaphthalene
Concen: 51.339 ng
RT: 8.922 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:142 Resp: 1898518

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.7	109.1



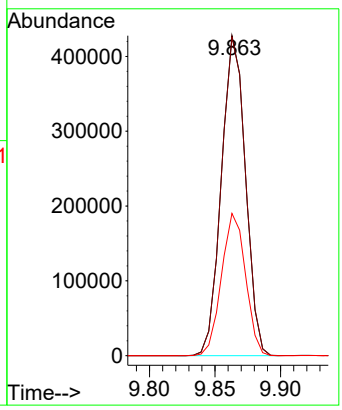


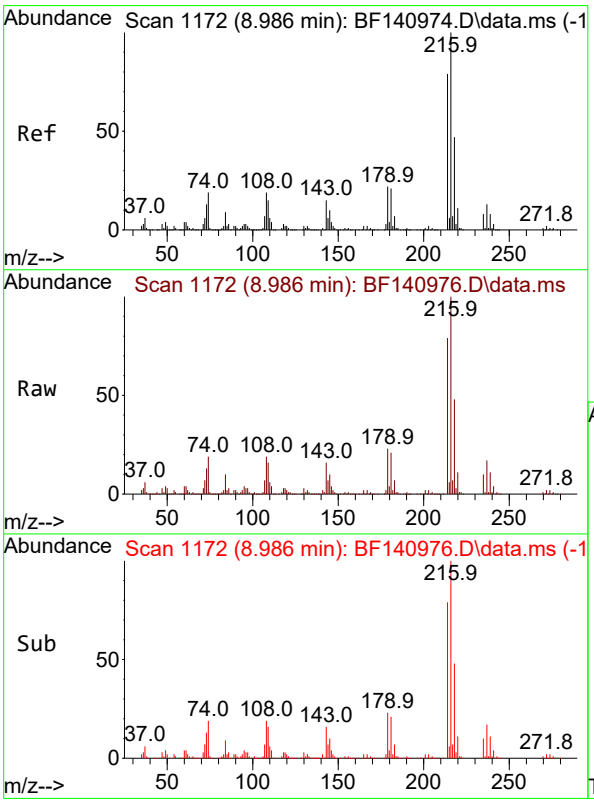
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 545680

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	44.5	35.7	53.5

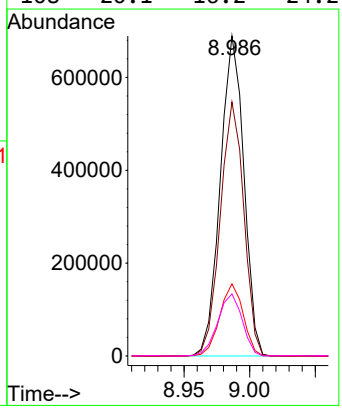


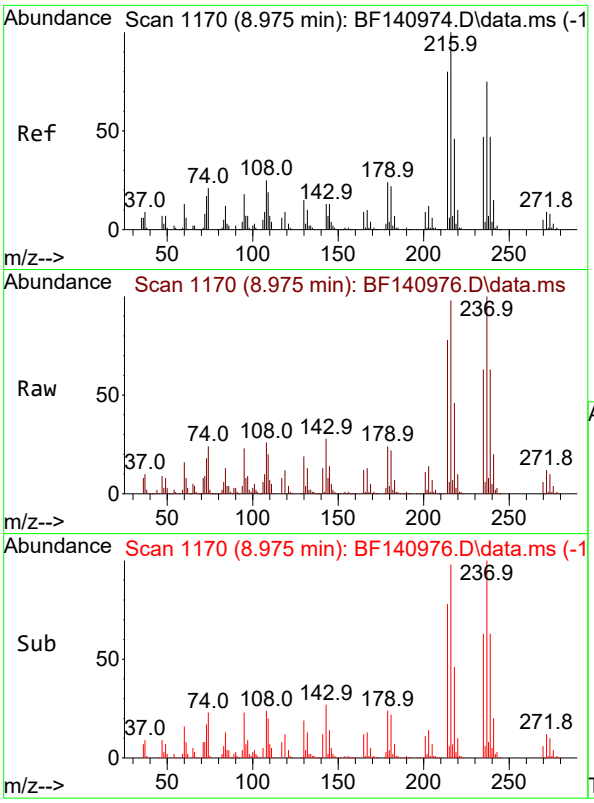


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.312 ng
RT: 8.986 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:216 Resp: 860616

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.6
179	22.4	17.9	26.9
108	20.1	16.2	24.2



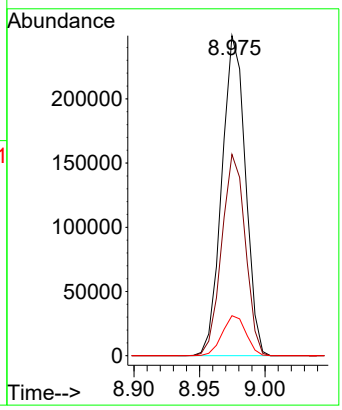


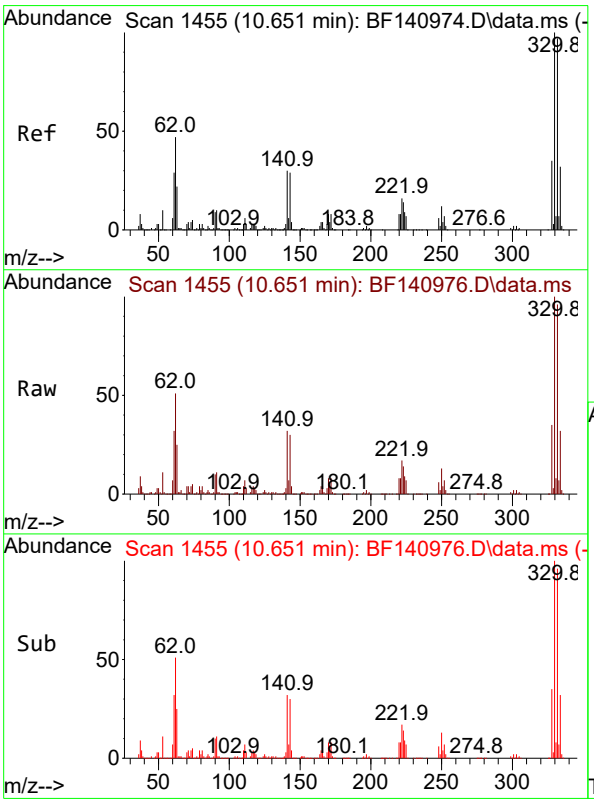
#41
Hexachlorocyclopentadiene
Concen: 74.443 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 311667

Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.4	83.4
272	12.5	0.0	32.6

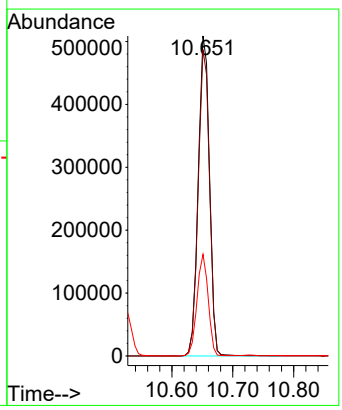


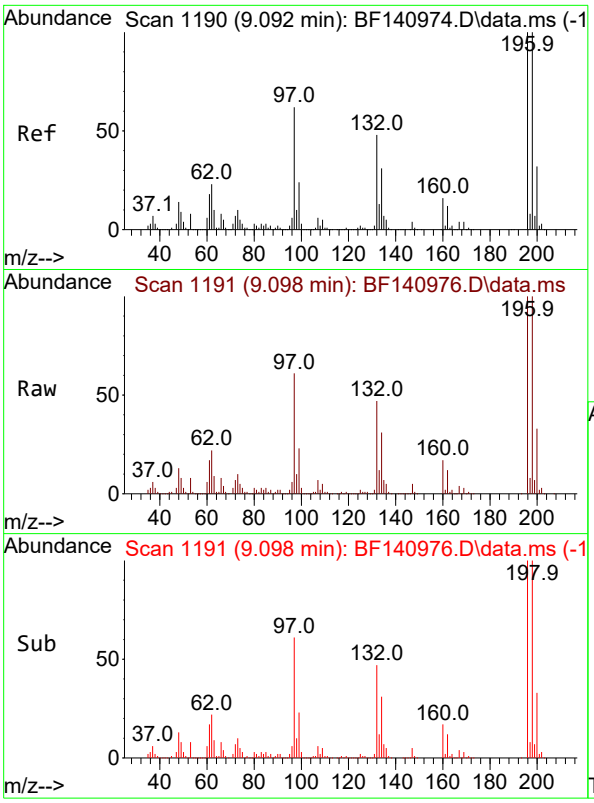


#42
2,4,6-Tribromophenol
Concen: 101.175 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:330 Resp: 652968

Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.0	117.0
141	31.5	26.4	39.6



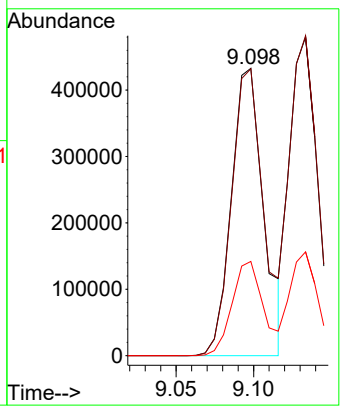


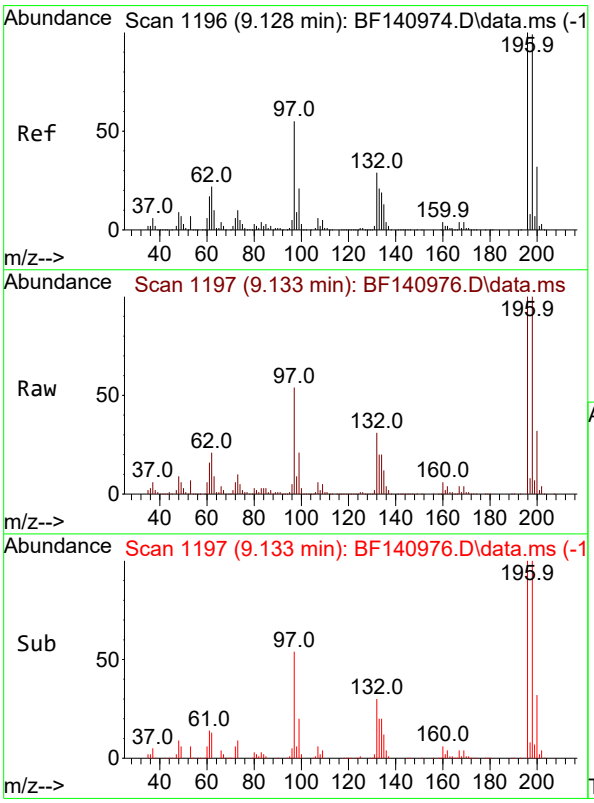
#43
2,4,6-Trichlorophenol
Concen: 60.697 ng
RT: 9.098 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 623356

Ion	Ratio	Lower	Upper
196	100		
198	99.8	80.2	120.4
200	32.8	25.8	38.6

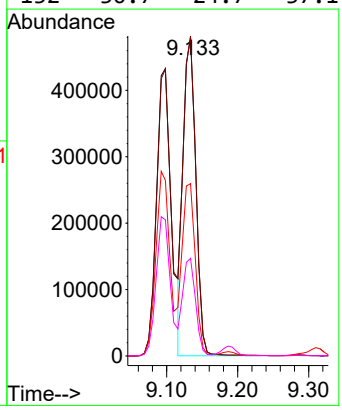


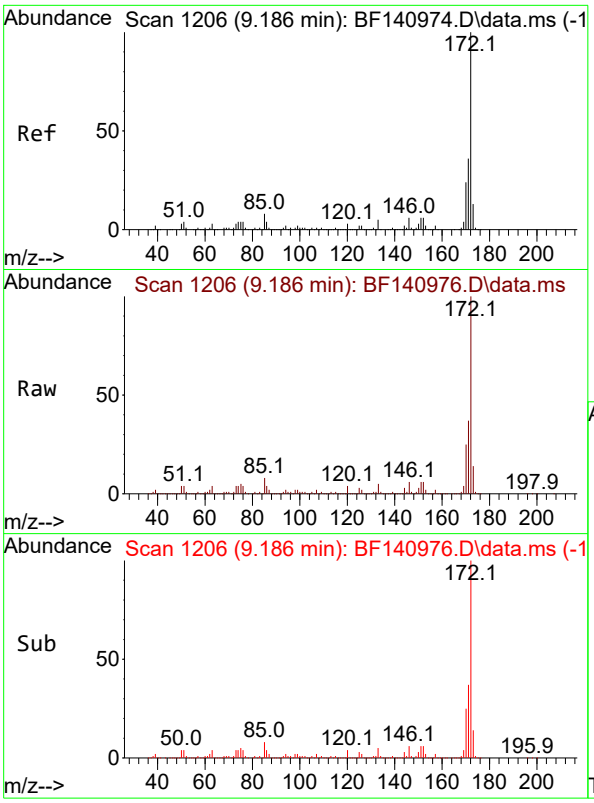


#44
2,4,5-Trichlorophenol
Concen: 52.917 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:196 Resp: 597336

Ion	Ratio	Lower	Upper
196	100		
198	100.4	79.9	119.9
97	54.1	44.3	66.5
132	30.7	24.7	37.1



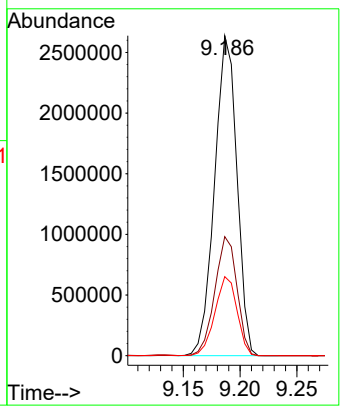


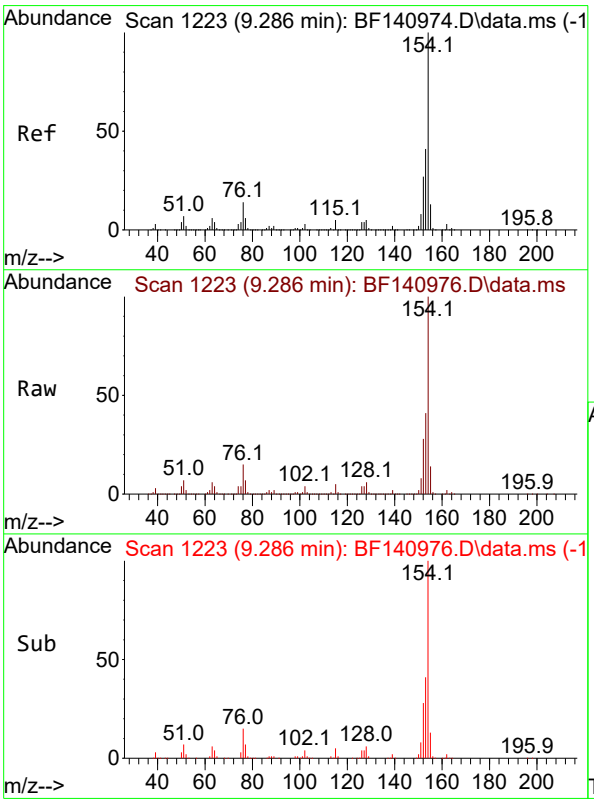
#45
2-Fluorobiphenyl
Concen: 90.942 ng
RT: 9.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 3609485

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.0	43.4
170	24.7	19.6	29.4

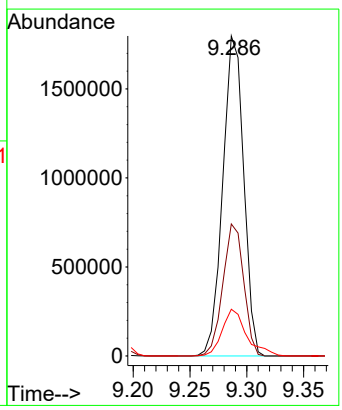


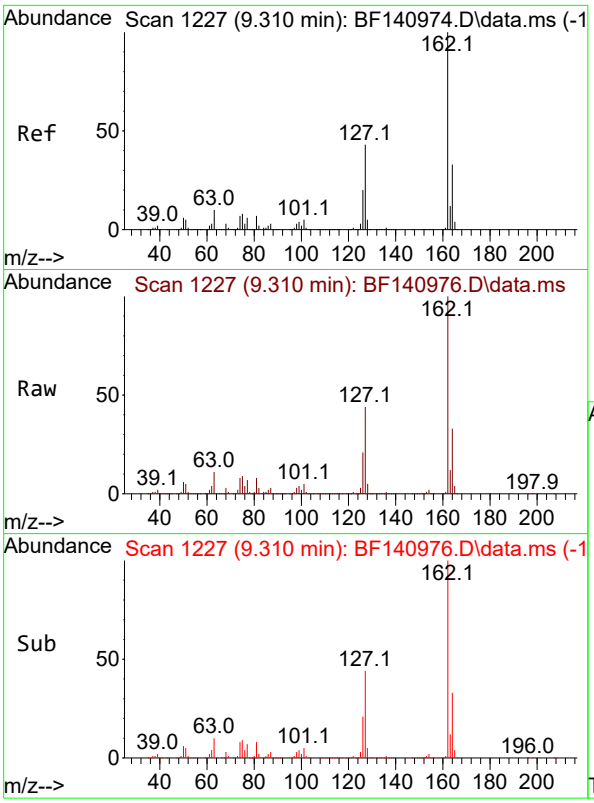


#46
1,1'-Biphenyl
Concen: 53.058 ng
RT: 9.286 min Scan# 1223
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:154 Resp: 2302280

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.9	60.9
76	14.6	0.0	34.0



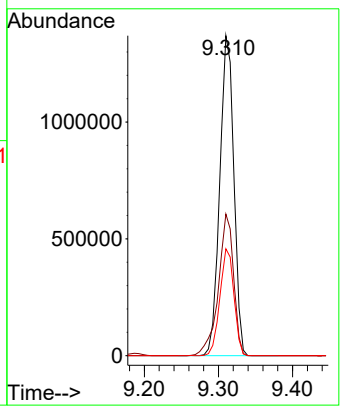


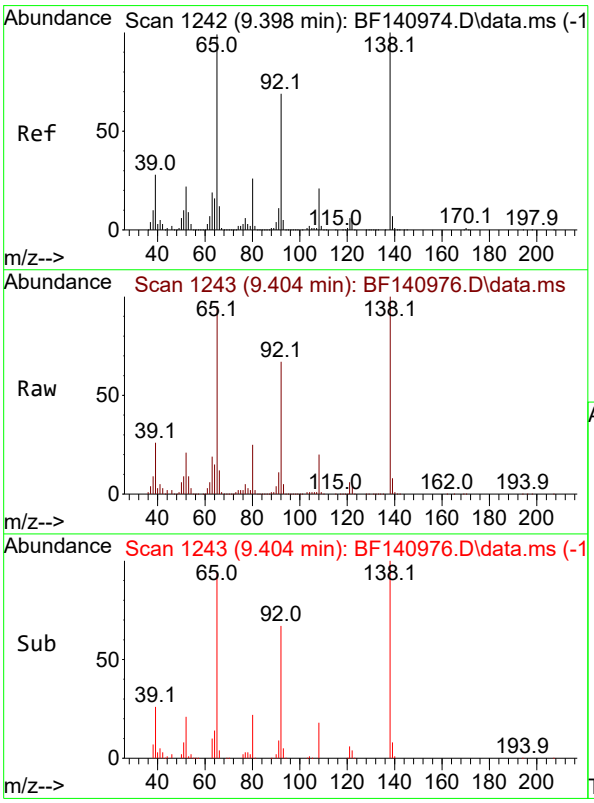
#47
2-Chloronaphthalene
Concen: 54.449 ng
RT: 9.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1807450

Ion	Ratio	Lower	Upper
162	100		
127	44.3	34.2	51.4
164	33.4	26.6	40.0

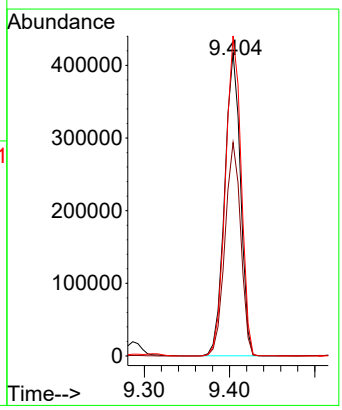


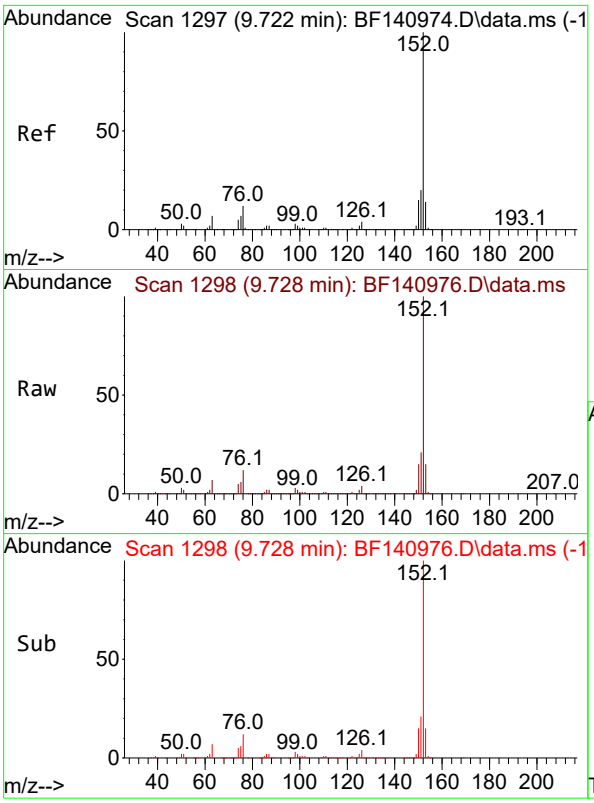


#48
2-Nitroaniline
Concen: 53.680 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 65 Resp: 538159

Ion	Ratio	Lower	Upper
65	100		
92	70.4	55.6	83.4
138	105.4	80.5	120.7



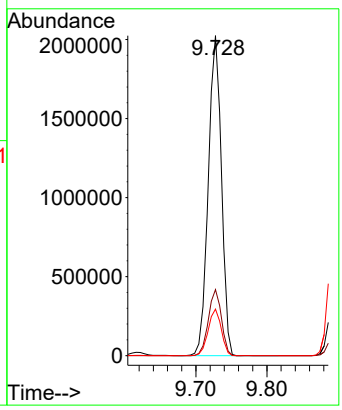


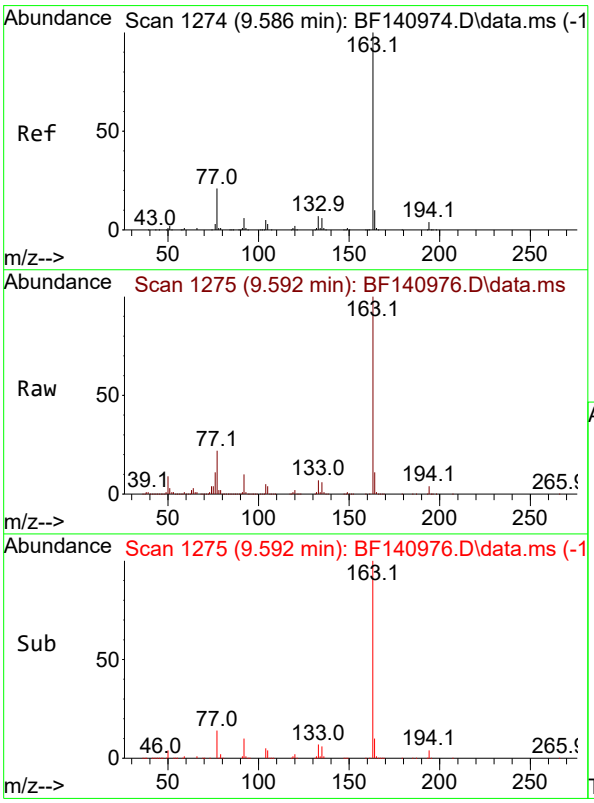
#49
Acenaphthylene
Concen: 53.370 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 2603514

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.2	24.4
153	14.6	11.4	17.0

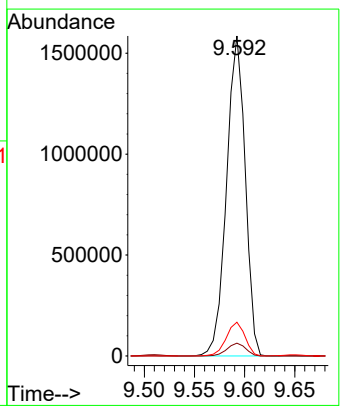


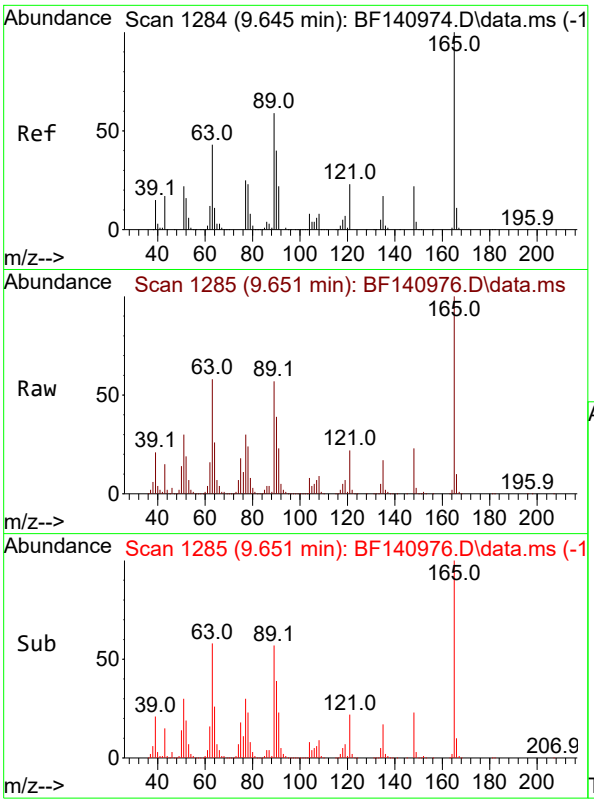


#50
Dimethylphthalate
Concen: 53.230 ng
RT: 9.592 min Scan# 1275
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:163 Resp: 2047854

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.5	8.3	12.5



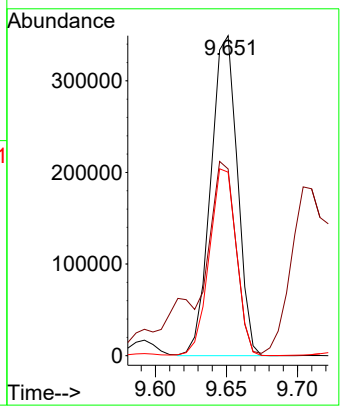


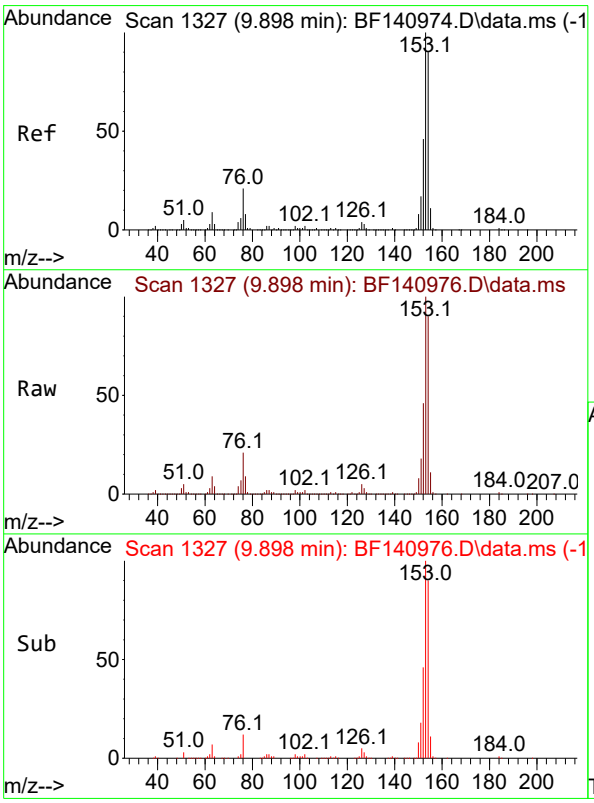
#51
2,6-Dinitrotoluene
Concen: 51.848 ng
RT: 9.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 455999

Ion	Ratio	Lower	Upper
165	100		
63	58.3	47.1	70.7
89	57.3	47.0	70.4

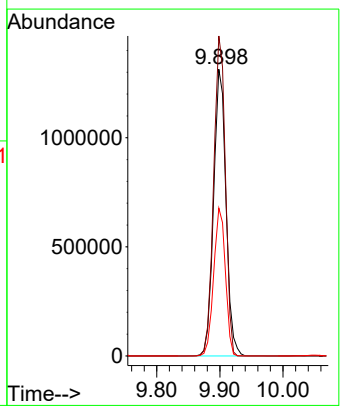


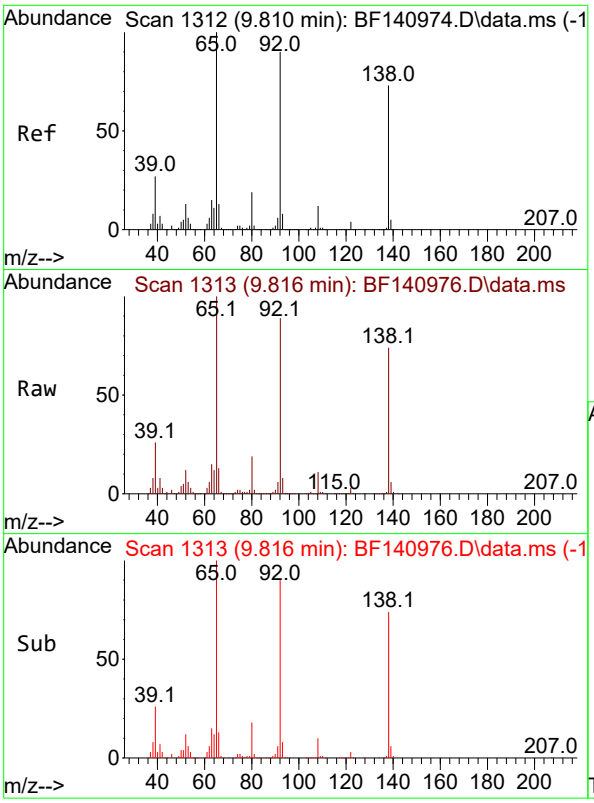


#52
Acenaphthene
Concen: 57.316 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:154 Resp: 1786036

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.2	133.8
152	51.5	40.9	61.3



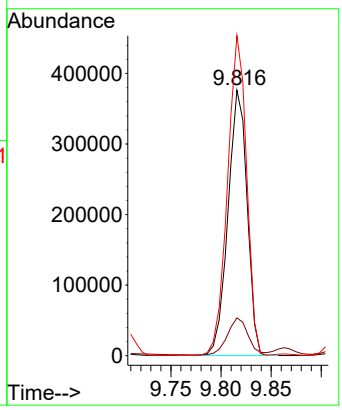


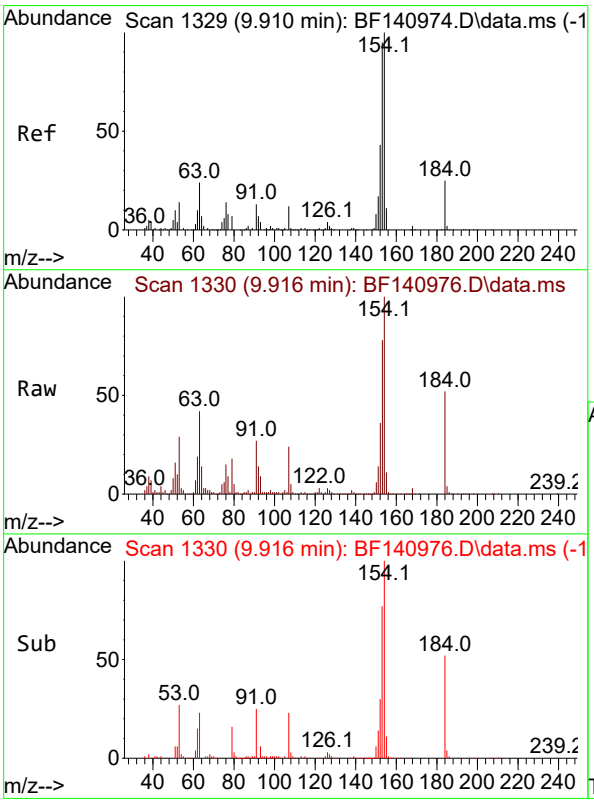
#53
3-Nitroaniline
Concen: 57.087 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 498260

Ion	Ratio	Lower	Upper
138	100		
108	14.2	13.5	20.3
92	120.6	97.7	146.5

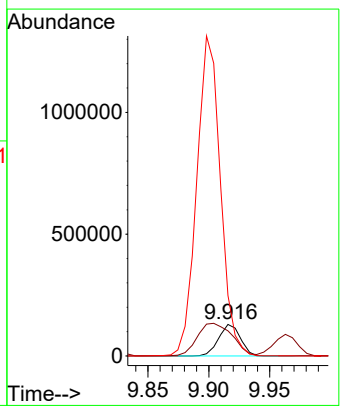


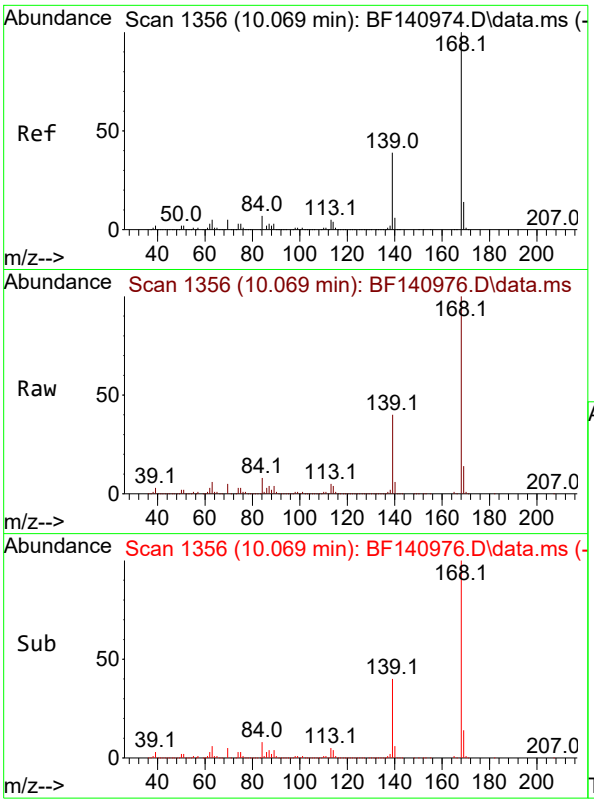


#54
2,4-Dinitrophenol
Concen: 44.680 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:184 Resp: 160979

Ion	Ratio	Lower	Upper
184	100		
63	79.8	81.6	122.4#
154	191.8	363.5	545.3#



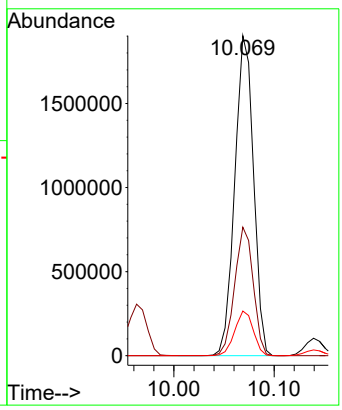


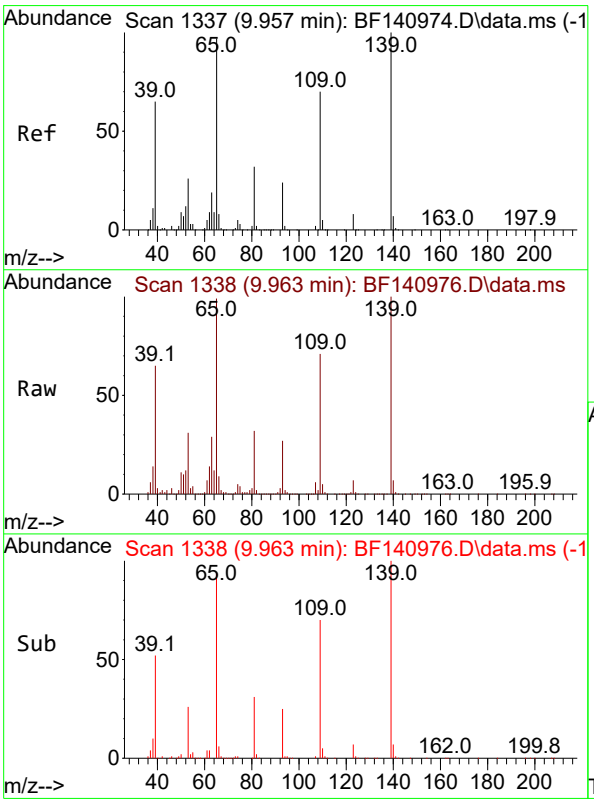
#55
Dibenzofuran
Concen: 51.305 ng
RT: 10.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 2477328

Ion	Ratio	Lower	Upper
168	100		
139	40.2	31.6	47.4
169	14.0	11.0	16.6

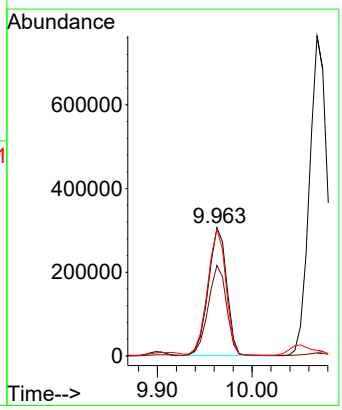


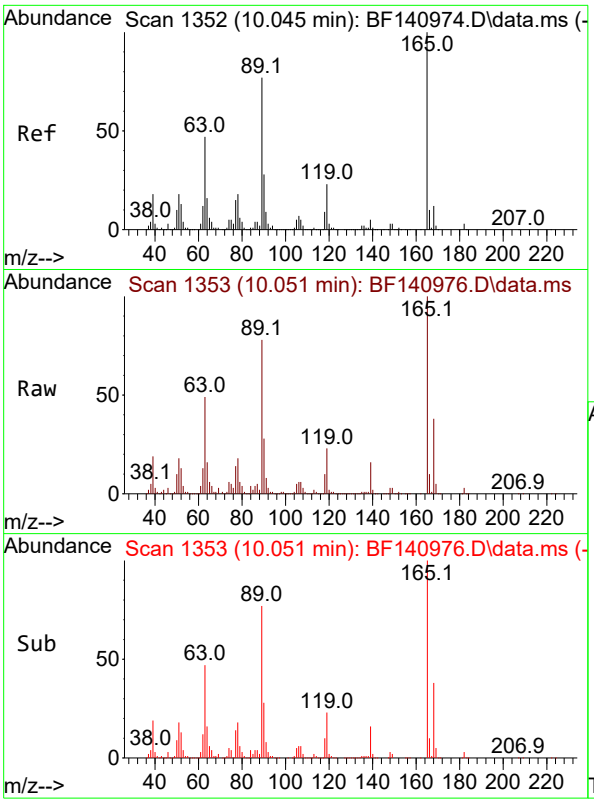


#56
4-Nitrophenol
Concen: 101.141 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:139 Resp: 414262

Ion	Ratio	Lower	Upper
139	100		
109	70.5	50.8	90.8
65	99.0	78.5	118.5



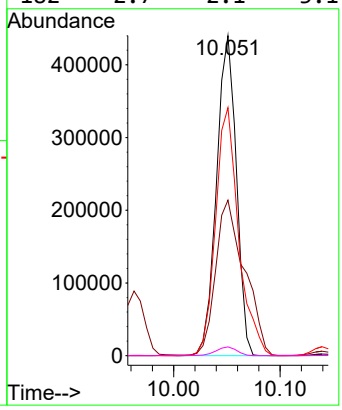


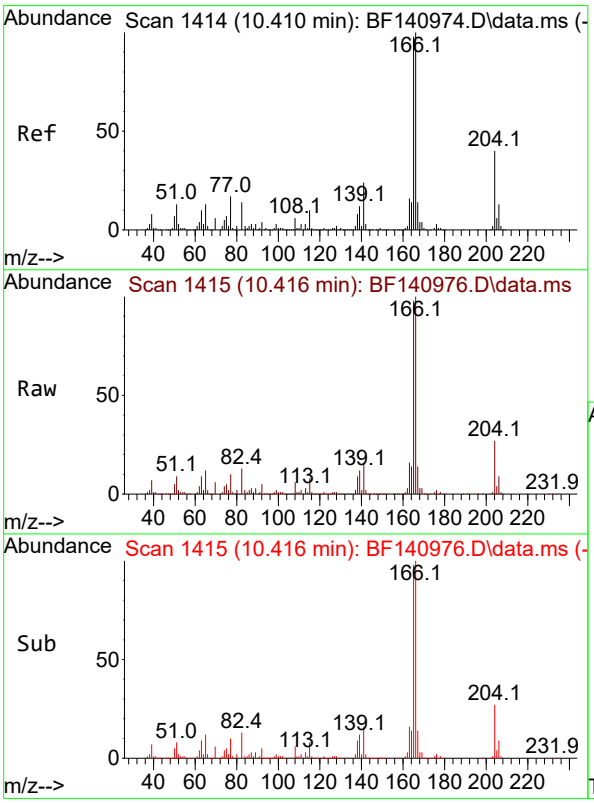
#57
2,4-Dinitrotoluene
Concen: 49.114 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 568343

Ion	Ratio	Lower	Upper
165	100		
63	48.6	38.1	57.1
89	77.5	61.4	92.2
182	2.7	2.1	3.1

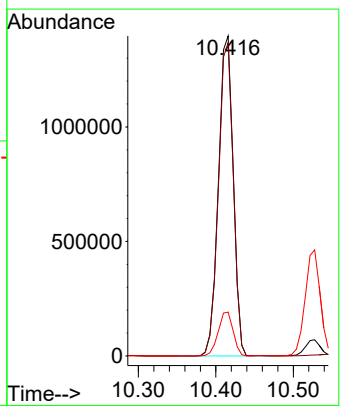


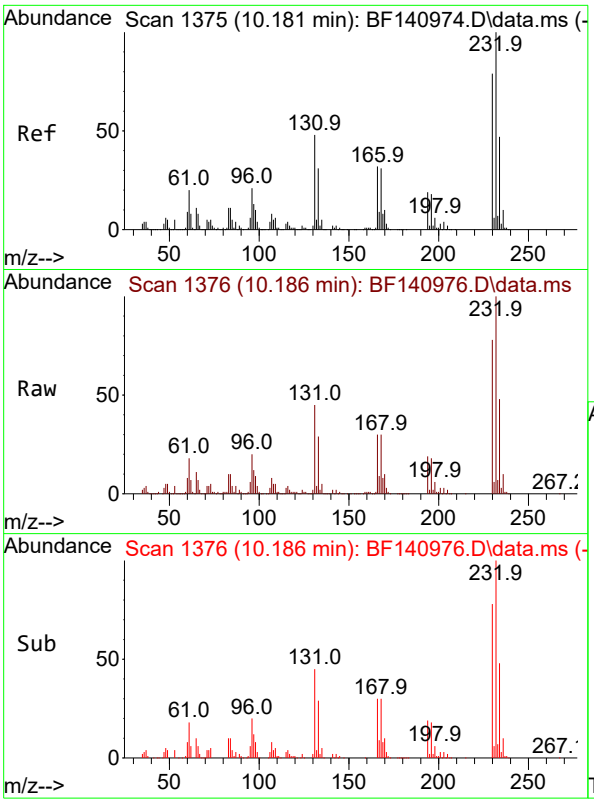


#58
Fluorene
Concen: 46.628 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:166 Resp: 1857483

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.3	117.5
167	13.7	10.9	16.3



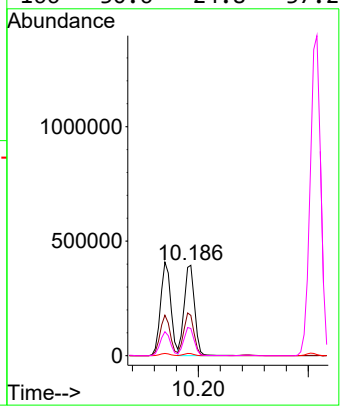


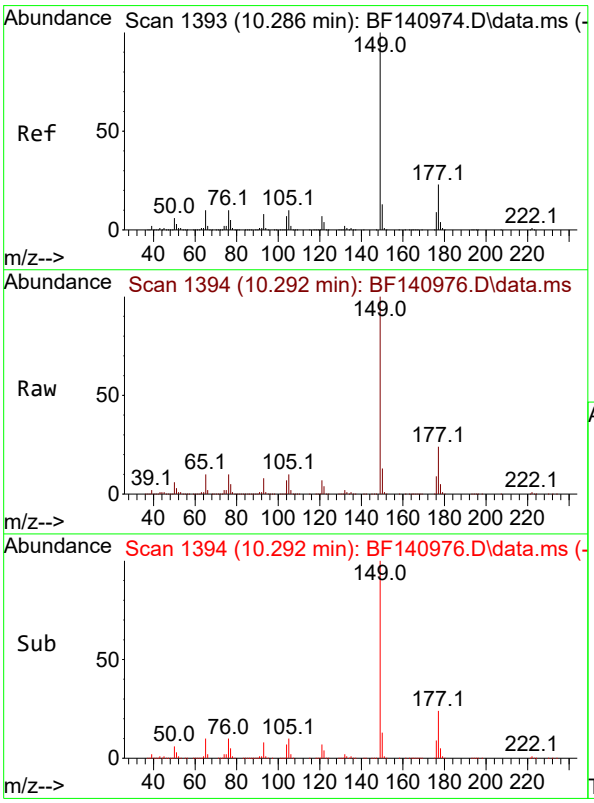
#59
2,3,4,6-Tetrachlorophenol
Concen: 56.319 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 518034

Ion	Ratio	Lower	Upper
232	100		
131	45.9	37.4	56.2
130	2.3	1.8	2.8
166	30.6	24.8	37.2

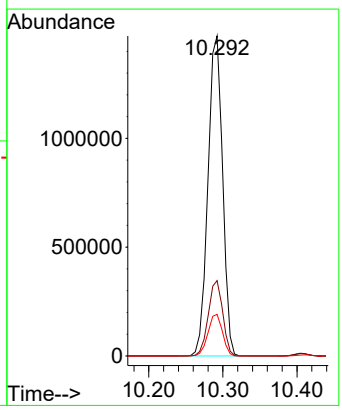


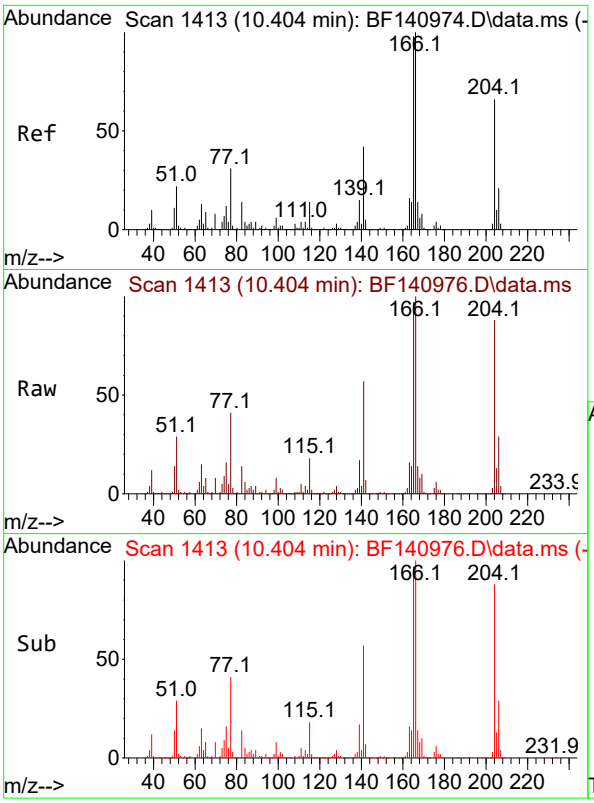


#60
Diethylphthalate
Concen: 50.536 ng
RT: 10.292 min Scan# 1394
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:149 Resp: 2016065

Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.3	27.5
150	13.0	10.4	15.6



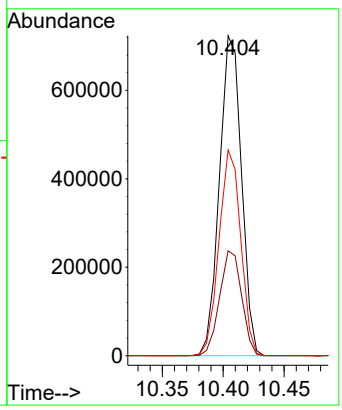


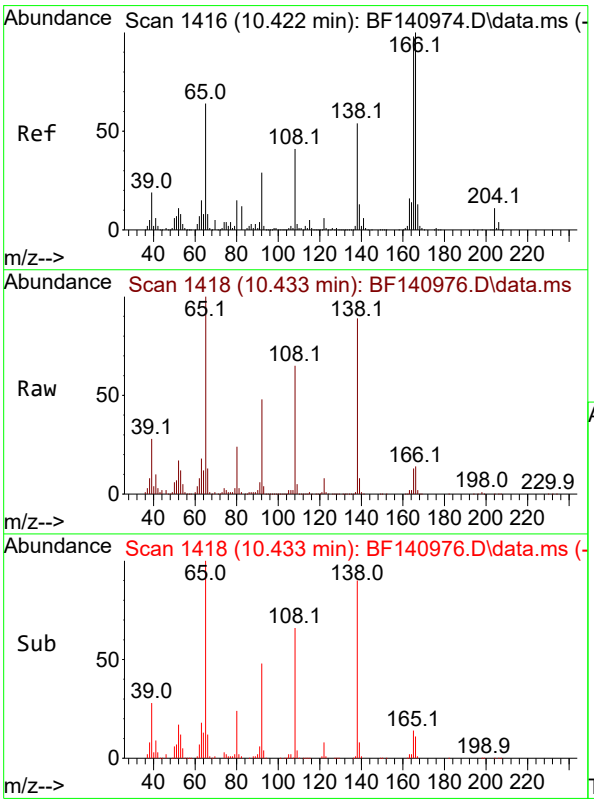
#61
4-Chlorophenyl-phenylether
Concen: 45.568 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 911842

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.6
141	64.3	51.2	76.8

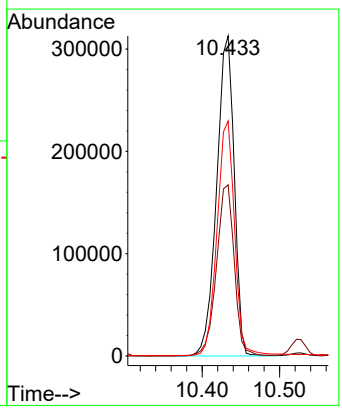


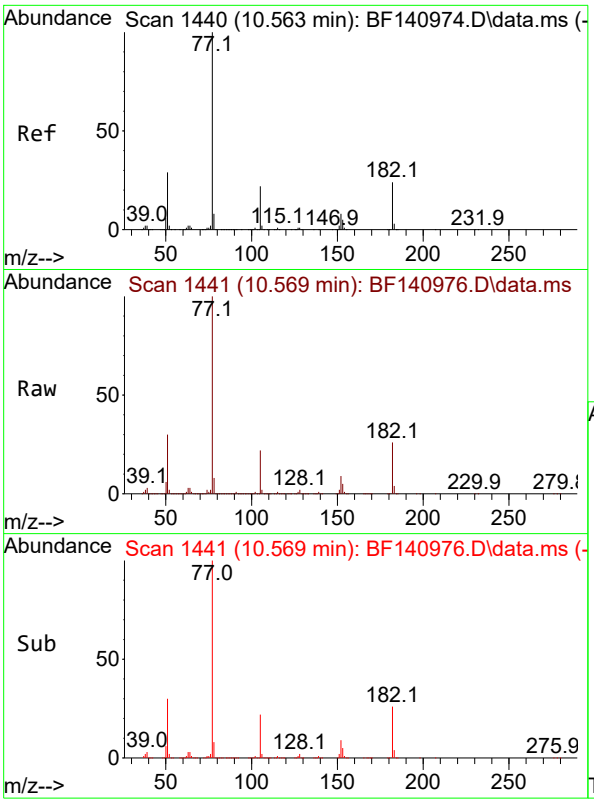


#62
4-Nitroaniline
Concen: 54.036 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.012 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:138 Resp: 492850

Ion	Ratio	Lower	Upper
138	100		
92	53.5	34.8	74.8
108	73.4	55.9	95.9



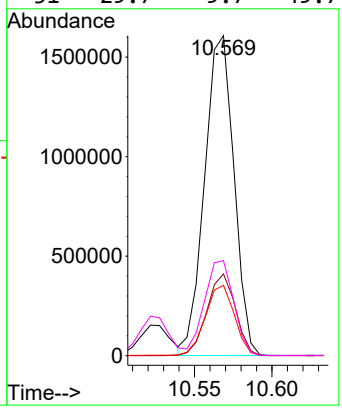


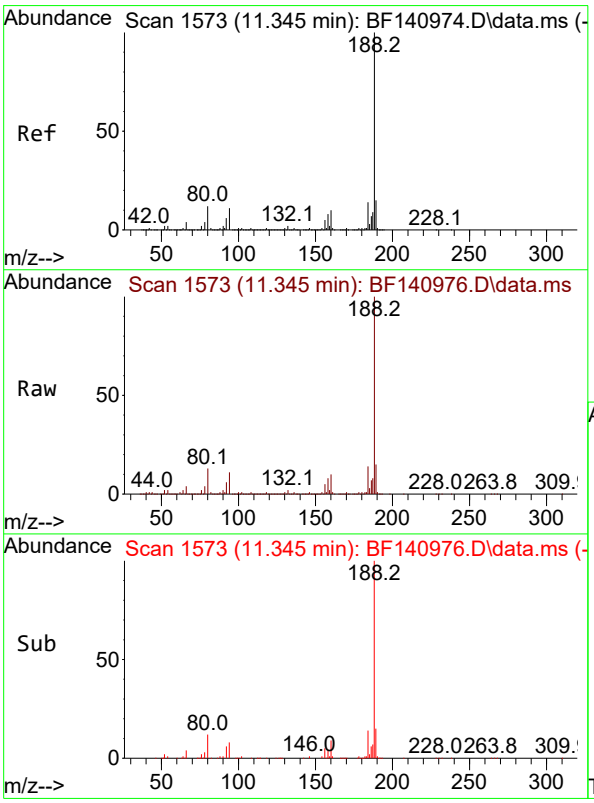
#63
Azobenzene
Concen: 56.443 ng
RT: 10.569 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 2116887

Ion	Ratio	Lower	Upper
77	100		
182	25.6	4.1	44.1
105	22.0	1.8	41.8
51	29.7	9.7	49.7

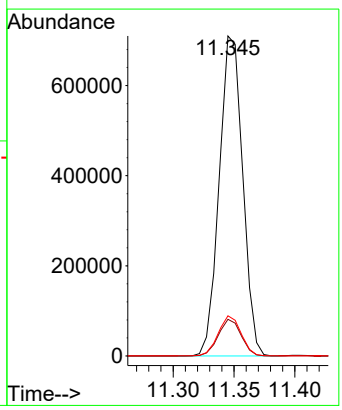


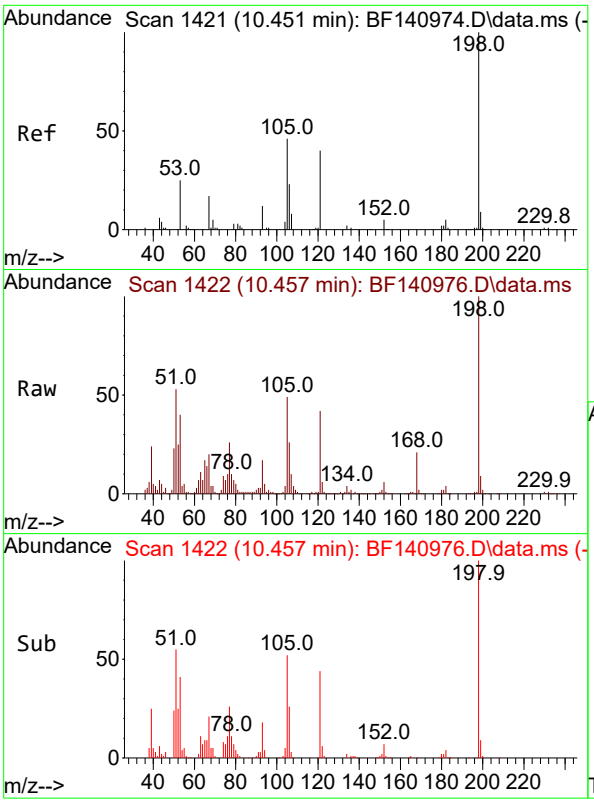


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:188 Resp: 952375

Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.0	13.6
80	12.5	9.8	14.6



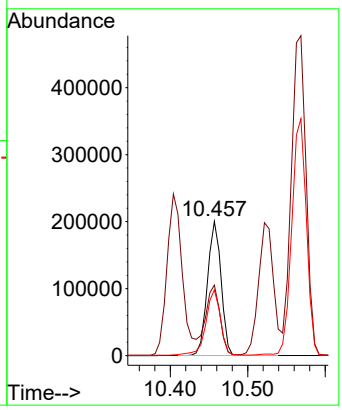


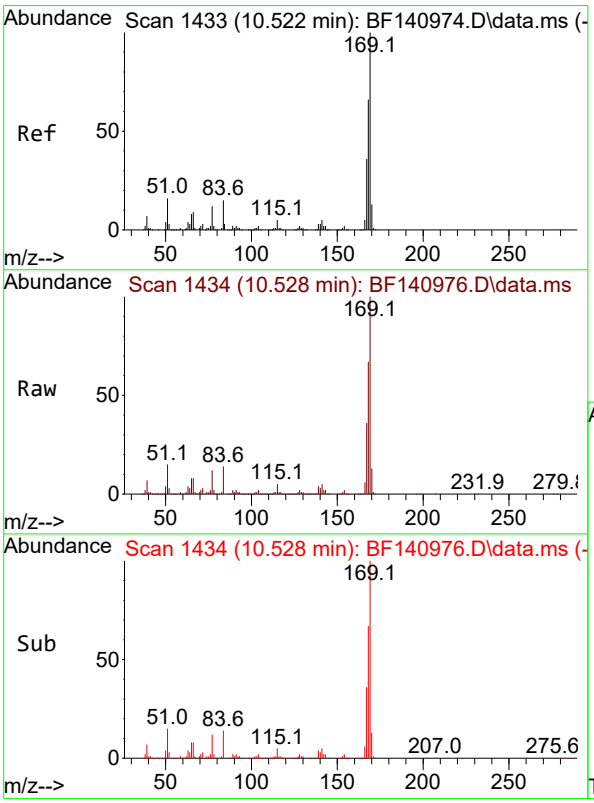
#65
4,6-Dinitro-2-methylphenol
Concen: 45.248 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 244187

Ion	Ratio	Lower	Upper
198	100		
51	52.6	32.3	72.3
105	49.0	28.4	68.4

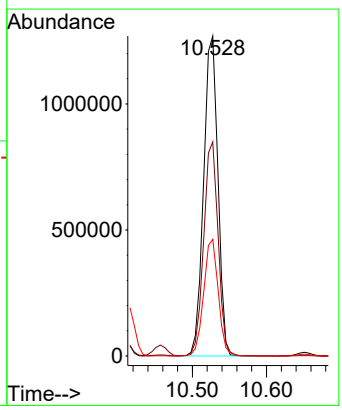


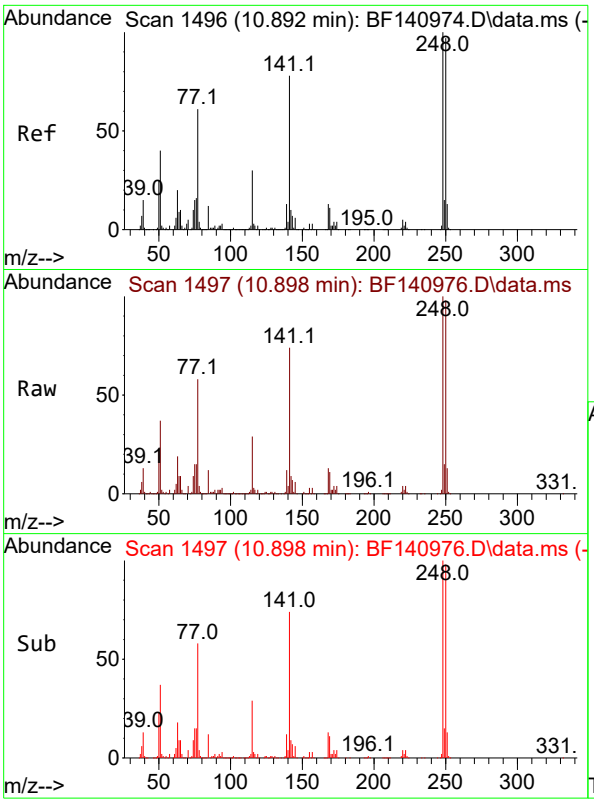


#66
n-Nitrosodiphenylamine
Concen: 58.031 ng
RT: 10.528 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:169 Resp: 1699227

Ion	Ratio	Lower	Upper
169	100		
168	66.9	52.6	79.0
167	36.5	29.0	43.4



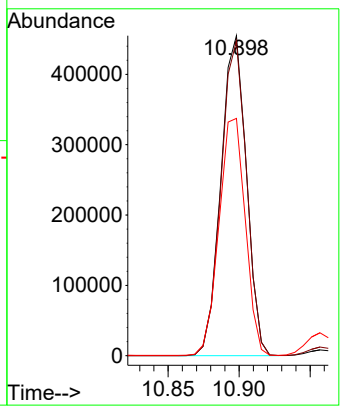


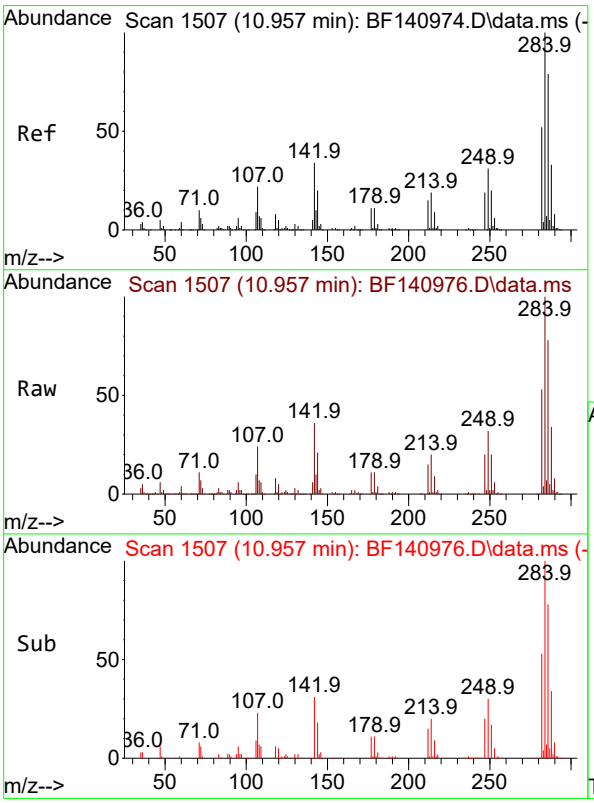
#67
4-Bromophenyl-phenylether
Concen: 53.363 ng
RT: 10.898 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 568559

Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.7	116.5
141	74.2	62.1	93.1

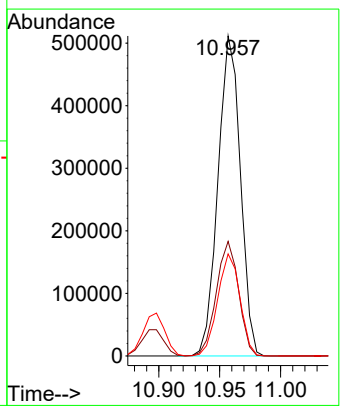


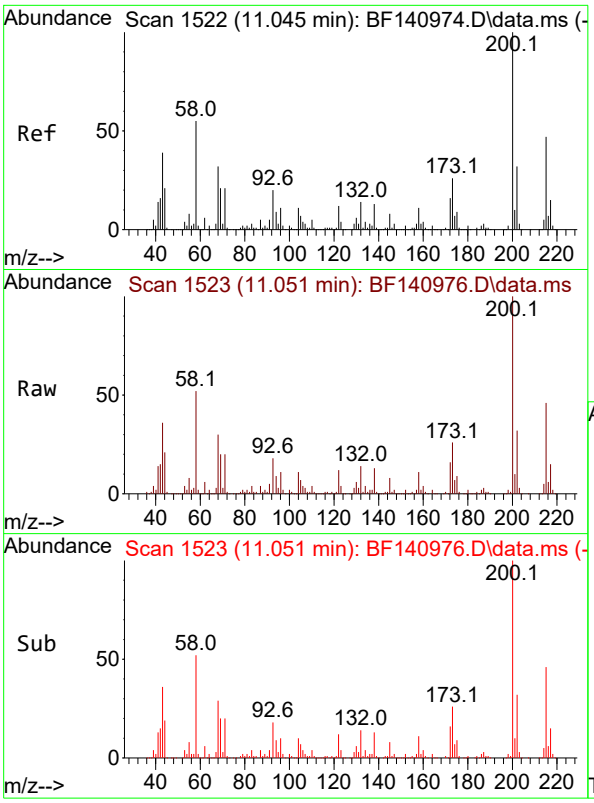


#68
Hexachlorobenzene
Concen: 54.270 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:284 Resp: 655571

Ion	Ratio	Lower	Upper
284	100		
142	35.8	27.1	40.7
249	31.9	25.1	37.7



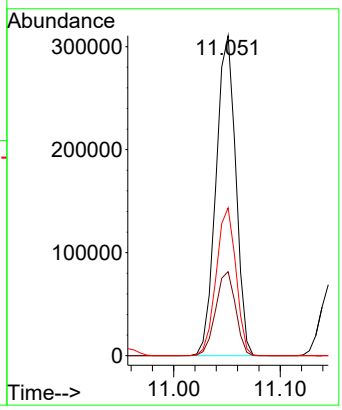


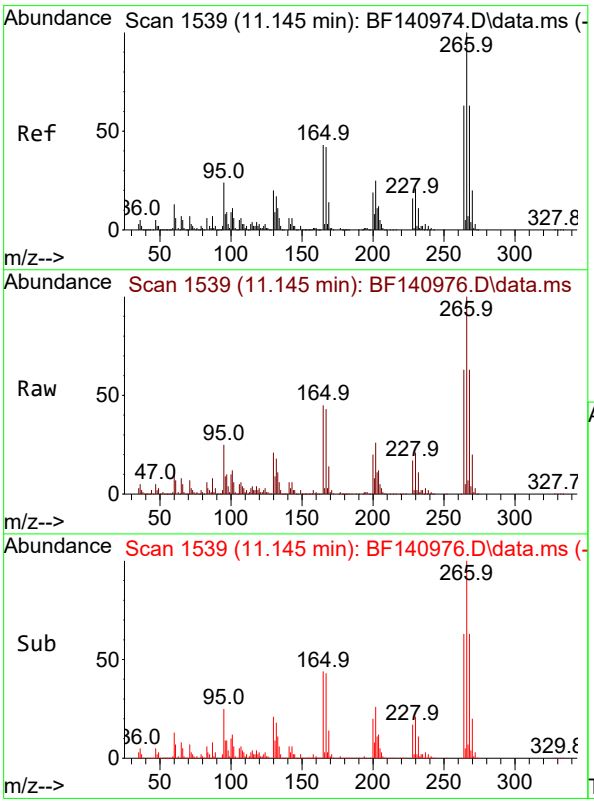
#69
Atrazine
Concen: 48.897 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 399874

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.4	46.4
215	46.2	27.2	67.2

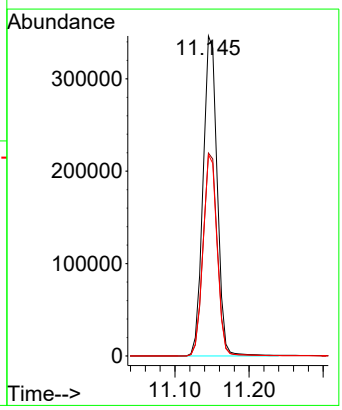


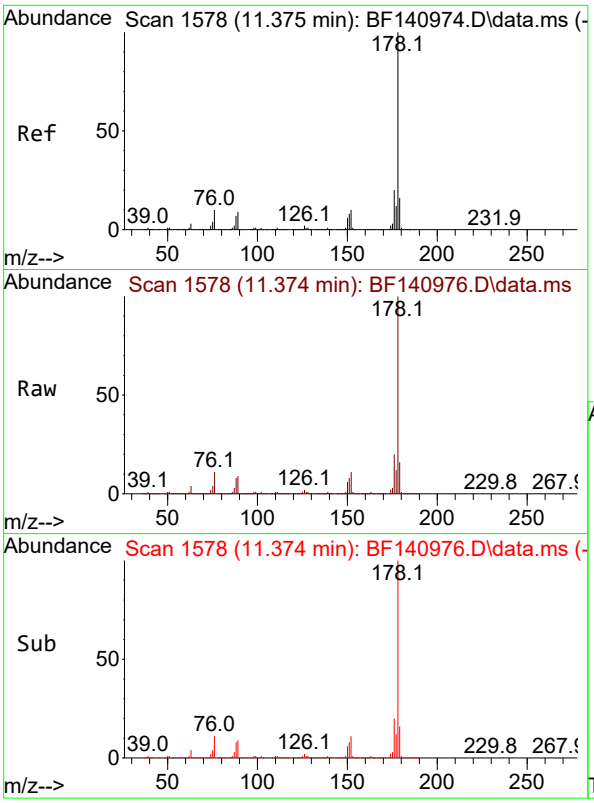


#70
Pentachlorophenol
Concen: 104.061 ng
RT: 11.145 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:266 Resp: 459586

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.5	75.7
264	62.9	50.2	75.4



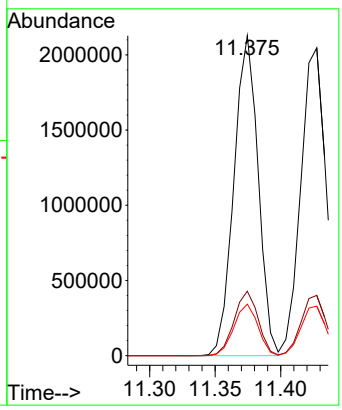


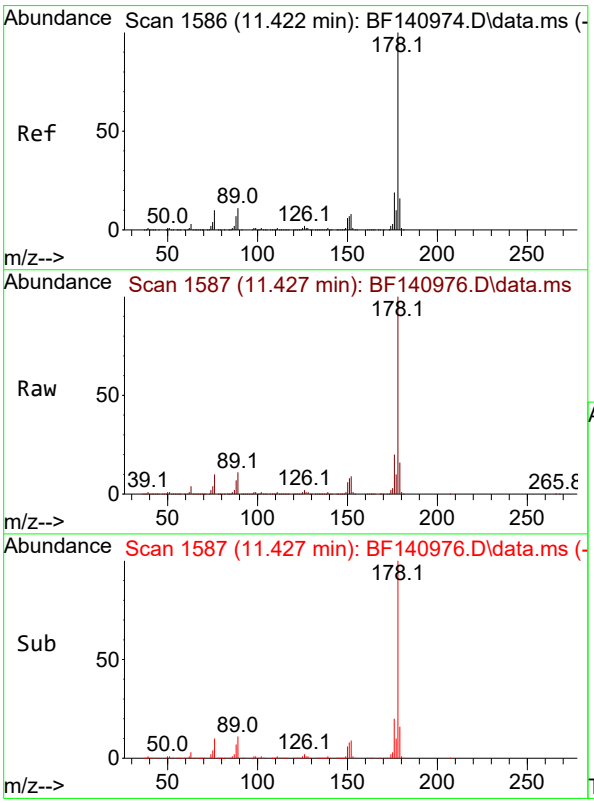
#71
Phenanthrene
Concen: 55.870 ng
RT: 11.374 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 2736242

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.6
179	16.1	12.6	19.0

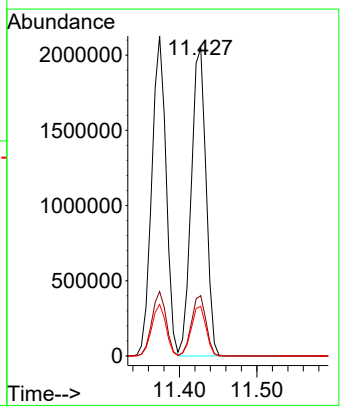


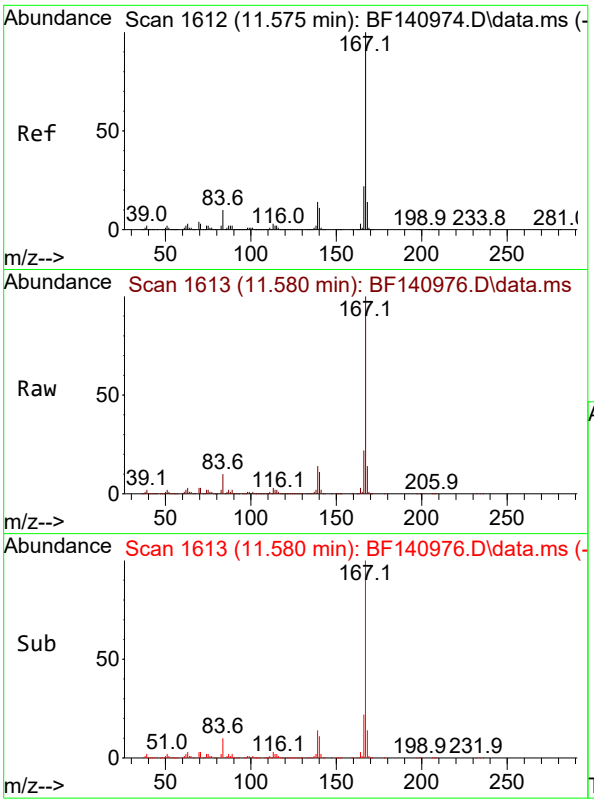


#72
Anthracene
Concen: 55.987 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:178 Resp: 2700285

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	16.1	12.9	19.3



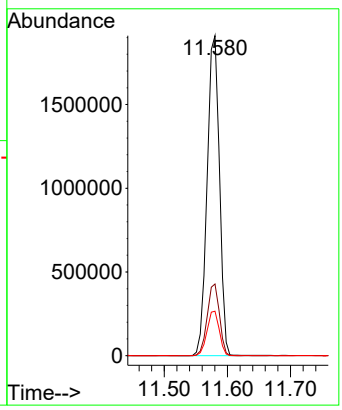


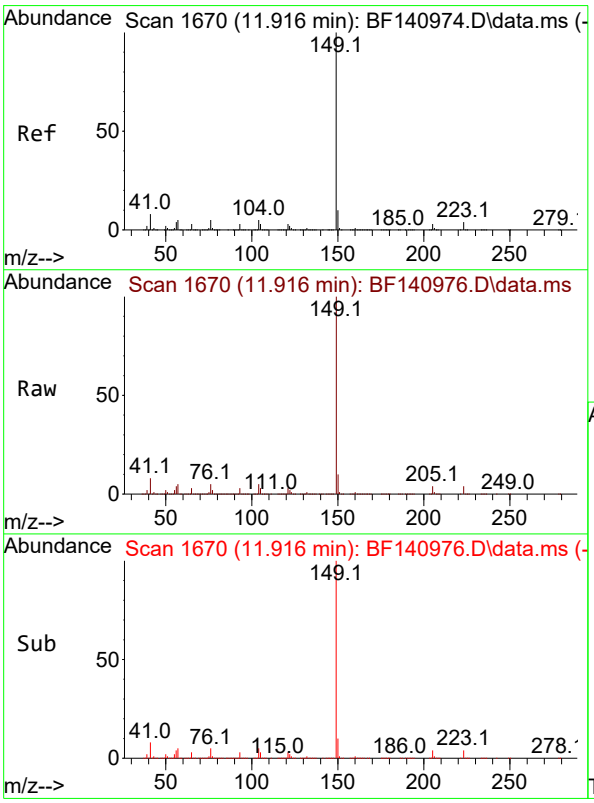
#73
Carbazole
Concen: 54.846 ng
RT: 11.580 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 2591020

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.5	26.3
139	13.9	11.0	16.4

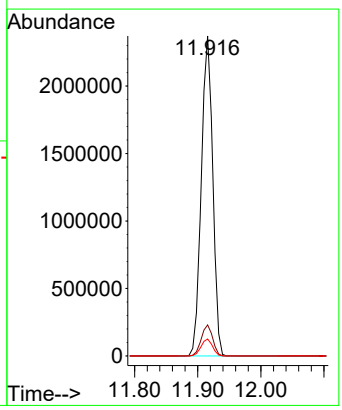


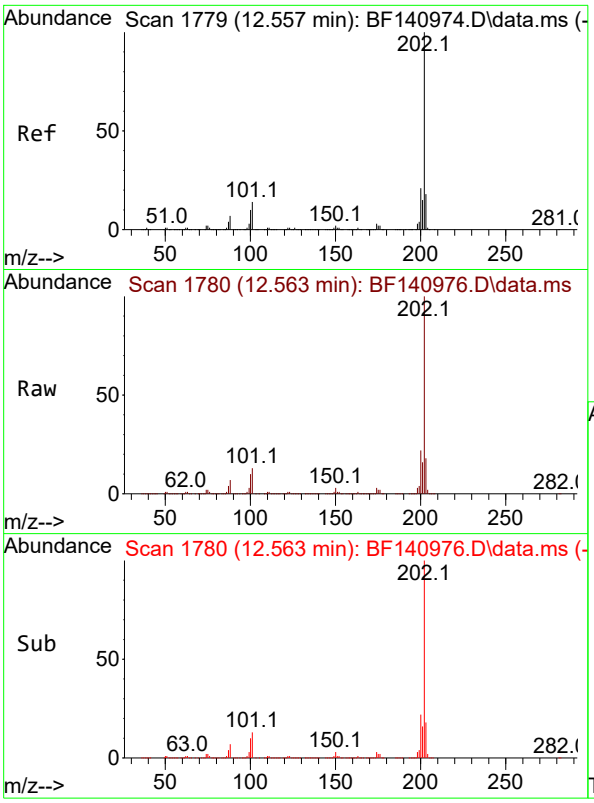


#74
Di-n-butylphthalate
Concen: 53.795 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:149 Resp: 2982533

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.3	4.1	6.1



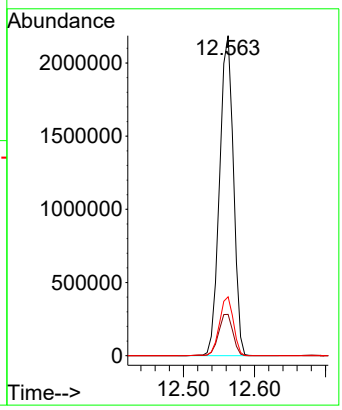


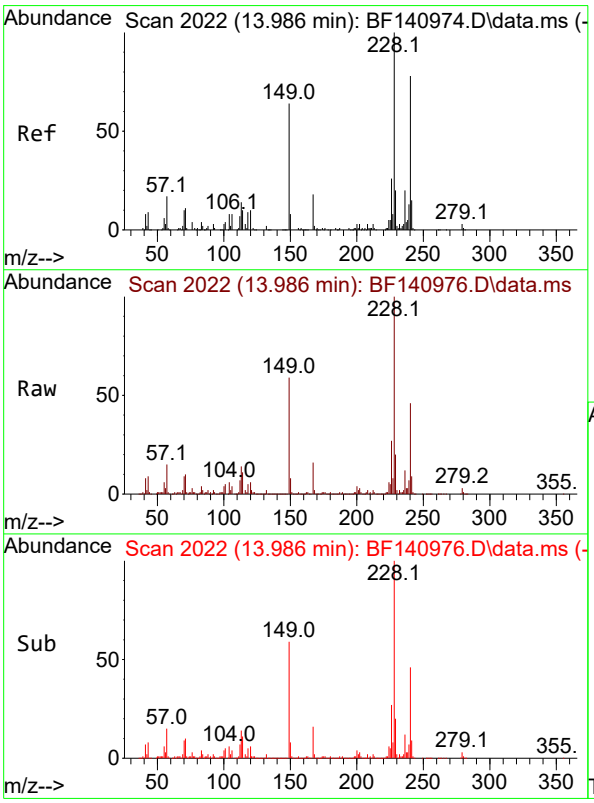
#75
Fluoranthene
Concen: 52.427 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 2957043

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.7
203	18.4	0.0	38.1

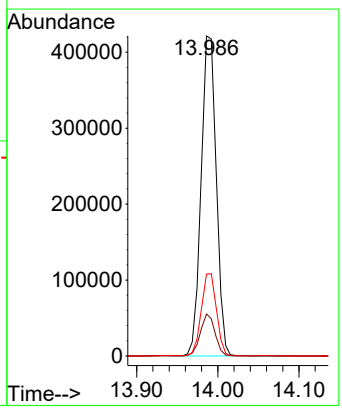


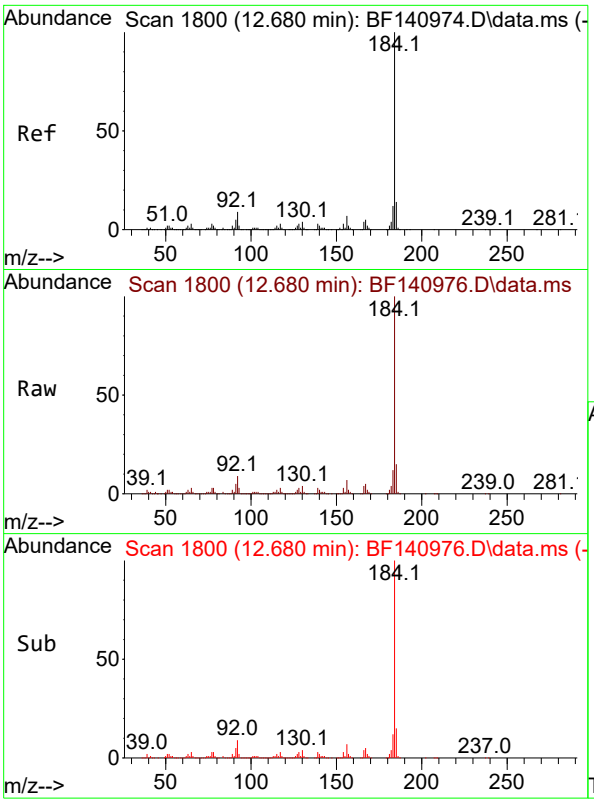


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:240 Resp: 546797

Ion	Ratio	Lower	Upper
240	100		
120	13.1	10.7	16.1
236	25.6	20.6	31.0



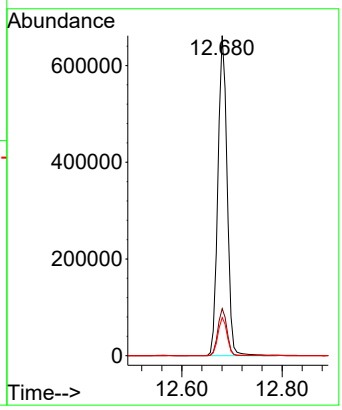


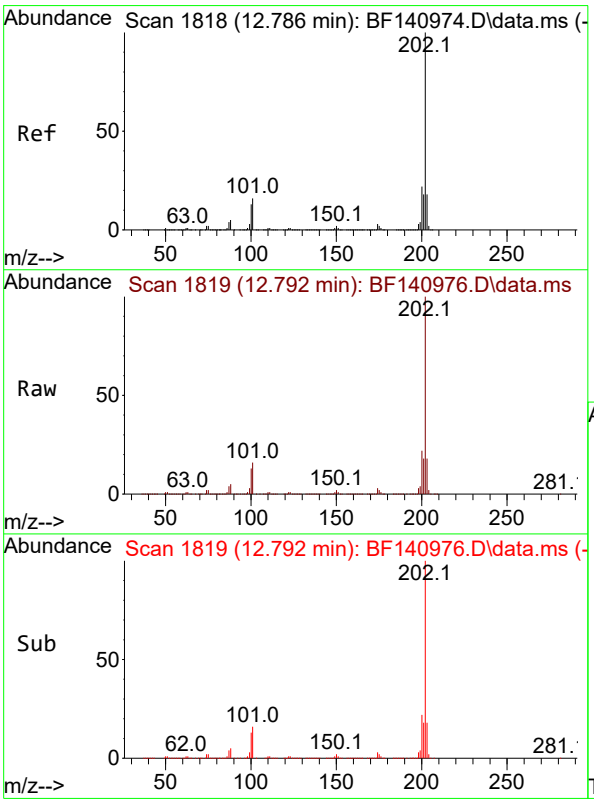
#77
Benzidine
Concen: 75.323 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 840598

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.4	17.2
183	11.9	9.4	14.0

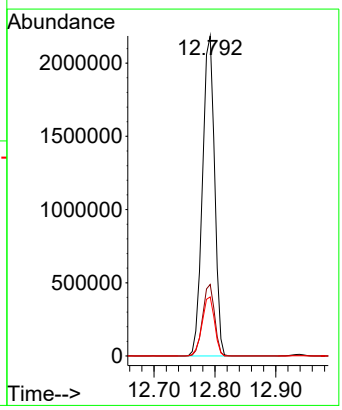


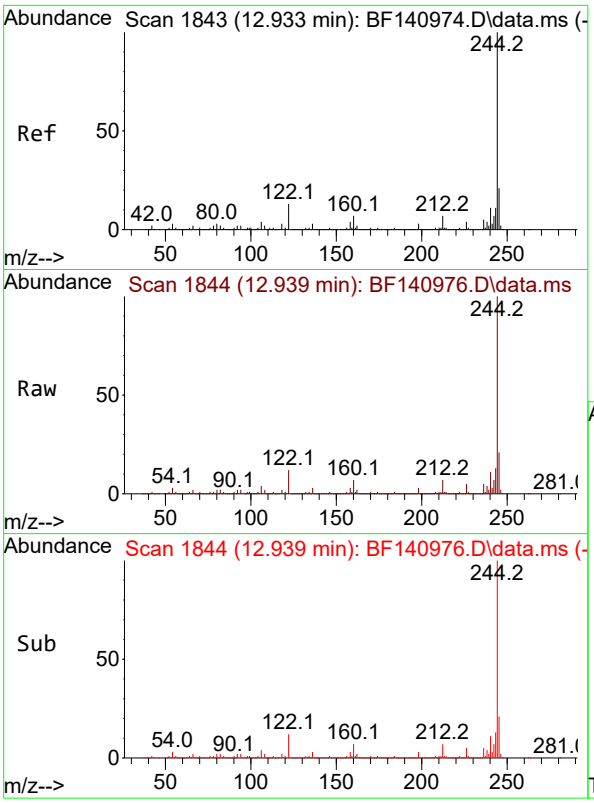


#78
Pyrene
Concen: 62.104 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:202 Resp: 3019750

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.3	25.9
203	18.5	14.6	21.8



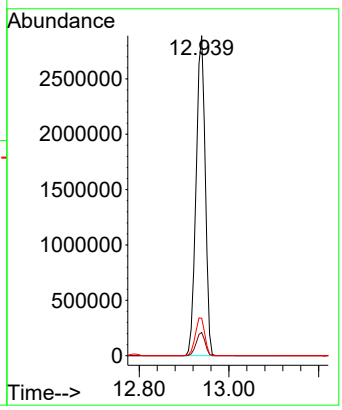


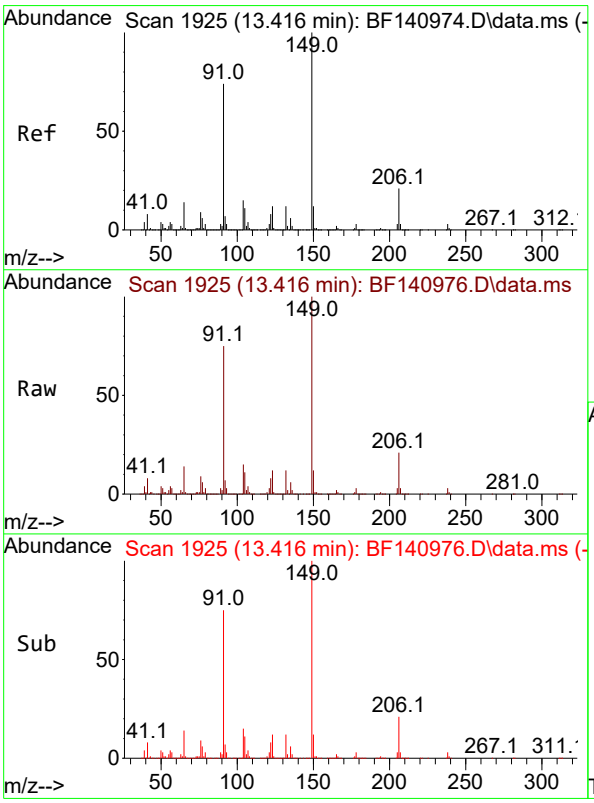
#79
Terphenyl-d14
Concen: 117.326 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 4068426

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	11.7	10.2	15.2

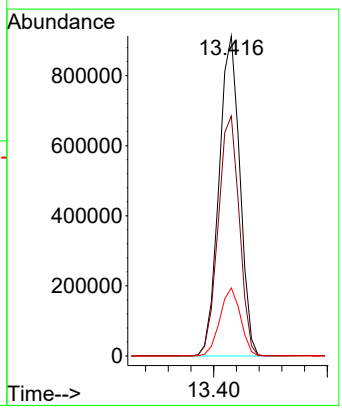


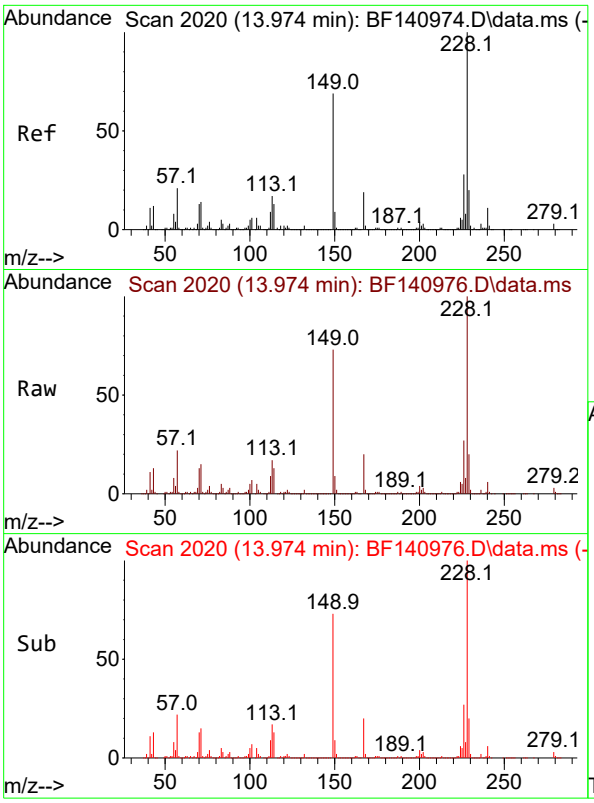


#80
Butylbenzylphthalate
Concen: 65.063 ng
RT: 13.416 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:149 Resp: 1164076

Ion	Ratio	Lower	Upper
149	100		
91	75.0	59.5	89.3
206	21.3	17.1	25.7



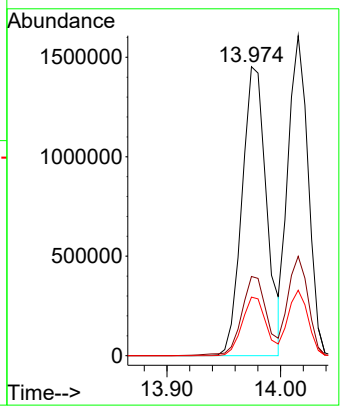


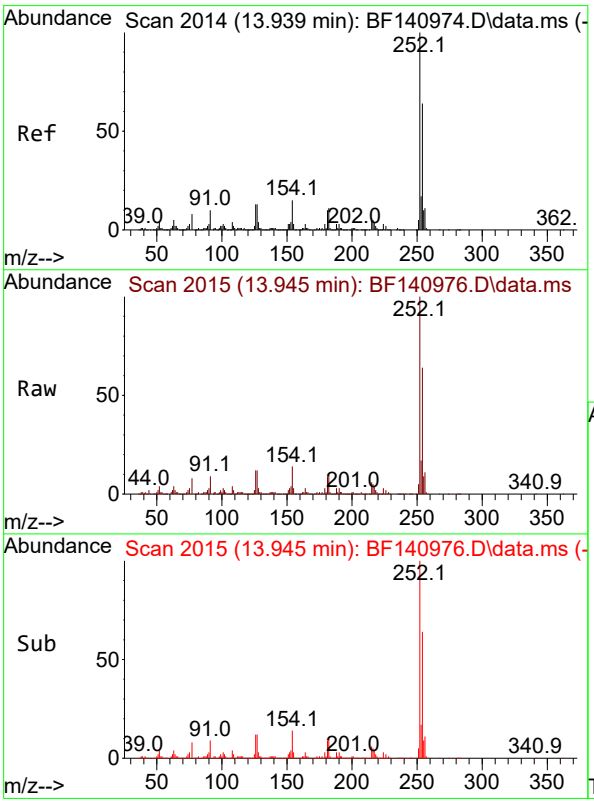
#81
Benzo(a)anthracene
Concen: 56.498 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 2189499

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	20.3	16.2	24.2

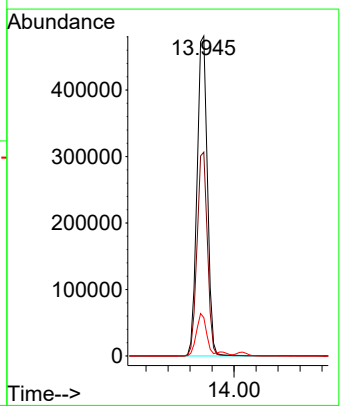


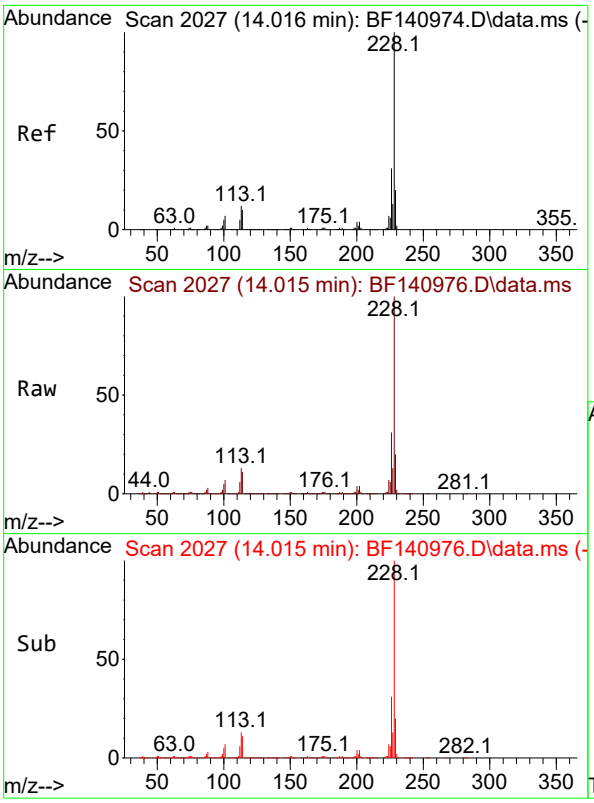


#82
3,3'-Dichlorobenzidine
Concen: 54.144 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:252 Resp: 633054

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.5	77.3
126	12.0	10.3	15.5



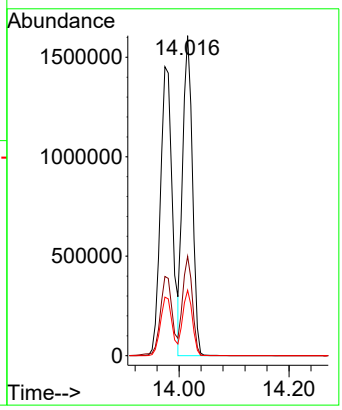


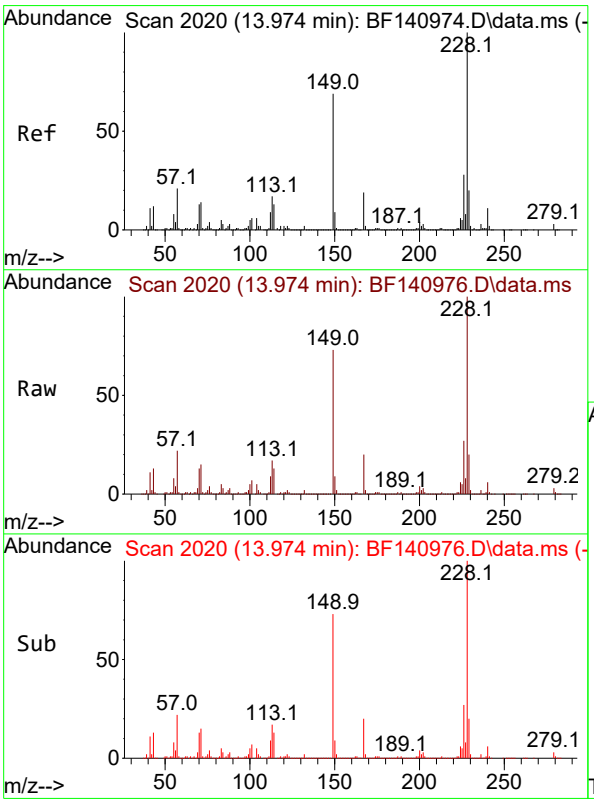
#83
Chrysene
Concen: 56.169 ng
RT: 14.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 1979370

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.5	36.7
229	20.5	16.2	24.4

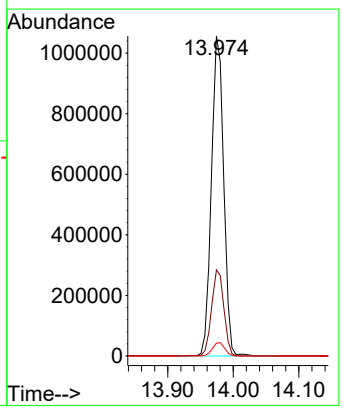


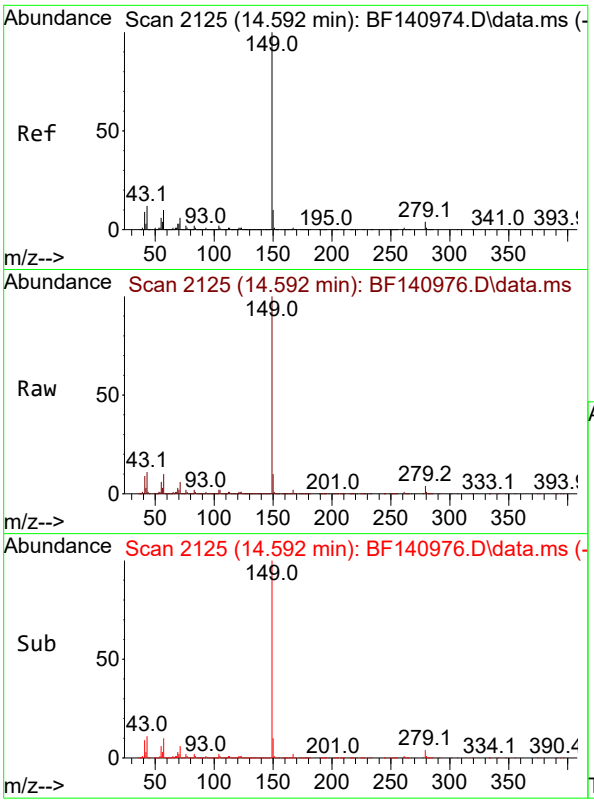


#84
Bis(2-ethylhexyl)phthalate
Concen: 59.503 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:149 Resp: 1372706

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.6	32.4
279	4.0	3.2	4.8



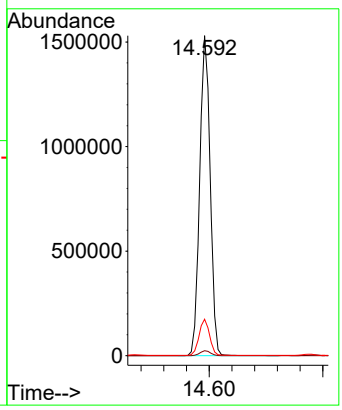


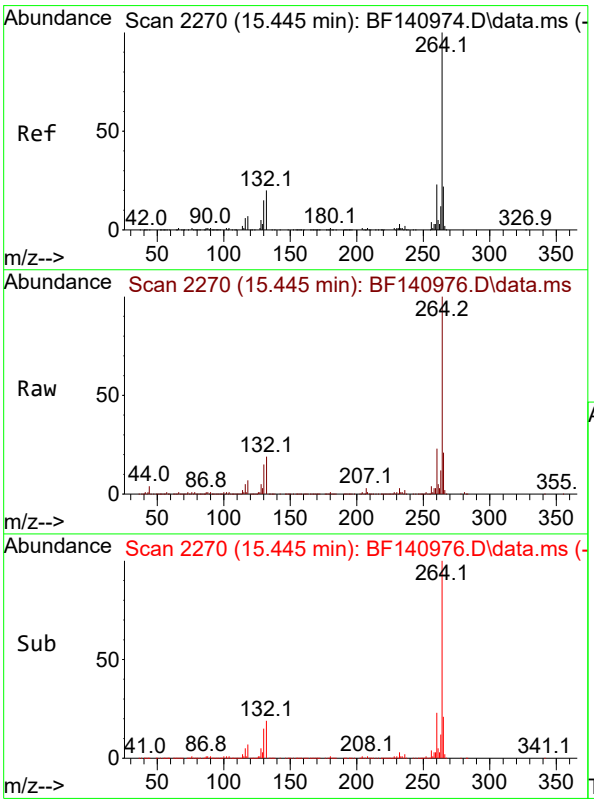
#85
Di-n-octyl phthalate
Concen: 56.057 ng
RT: 14.592 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 1956498

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.3	9.3	13.9

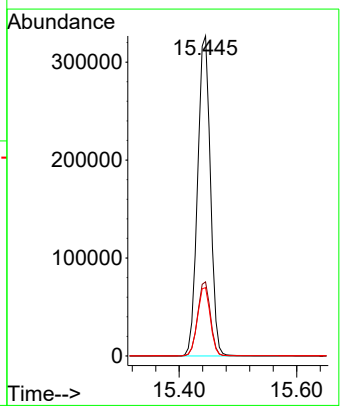


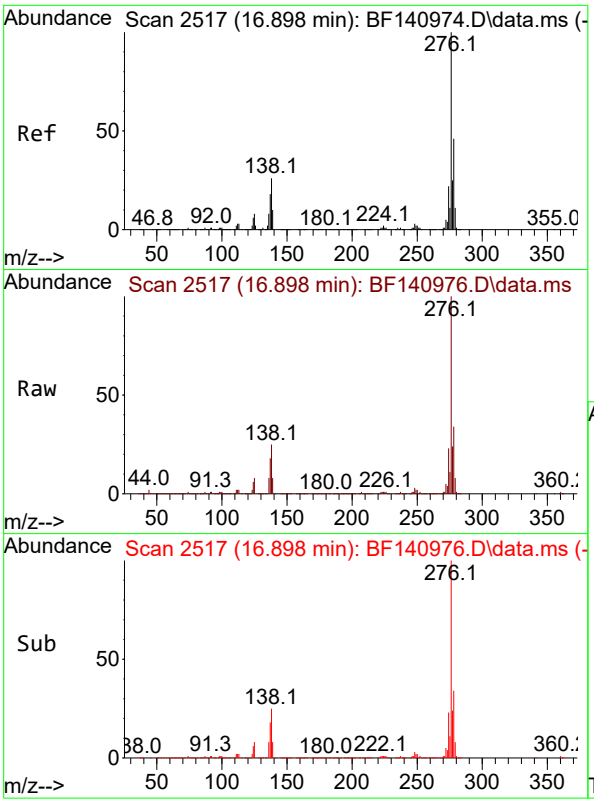


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:264 Resp: 494154

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.3	17.4	26.2



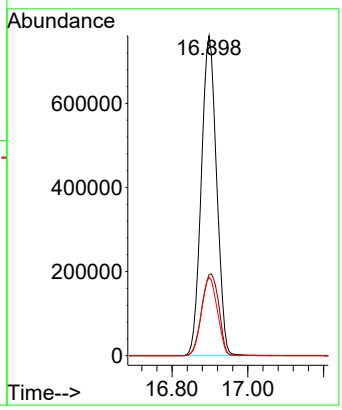


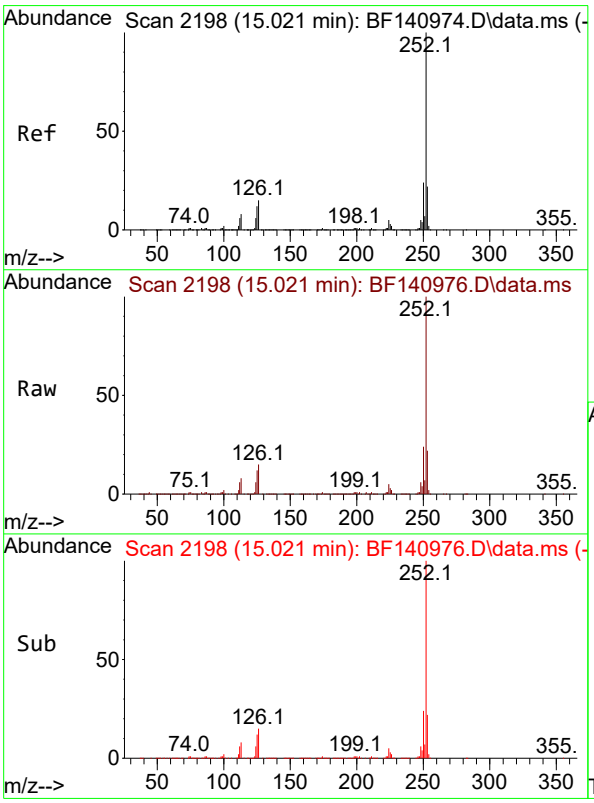
#87
Indeno(1,2,3-cd)pyrene
Concen: 69.152 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 2132438

Ion	Ratio	Lower	Upper
276	100		
138	28.5	23.1	34.7
277	25.5	20.4	30.6

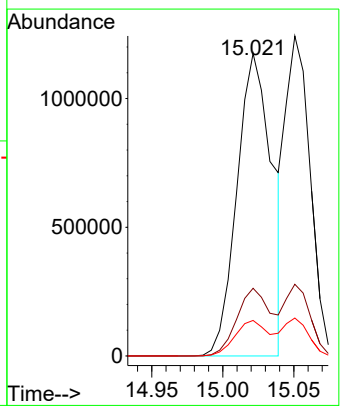


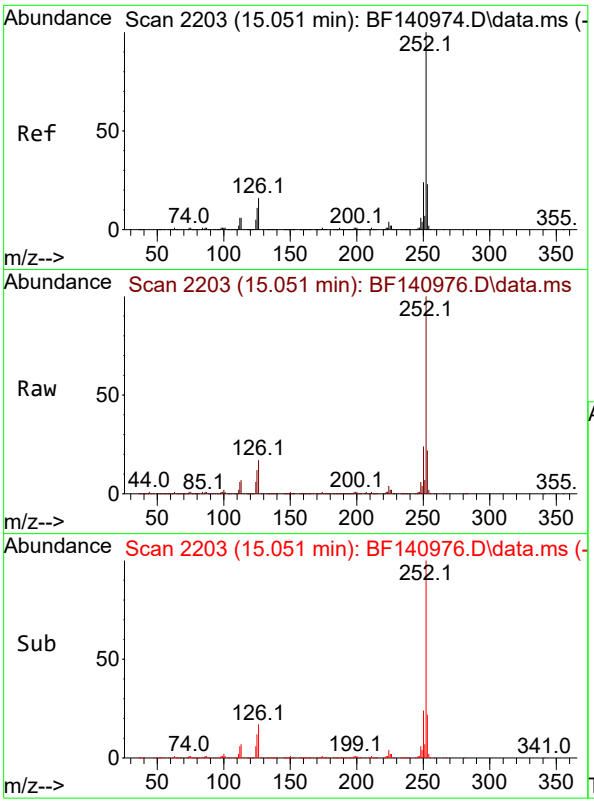


#88
Benzo(b)fluoranthene
Concen: 58.872 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:252 Resp: 2019420

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	11.7	9.3	13.9



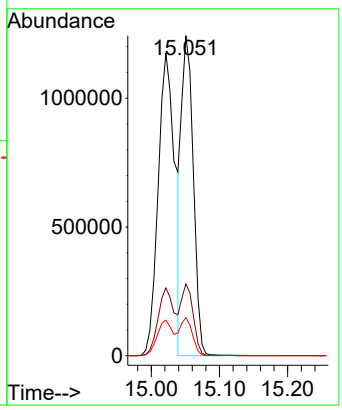


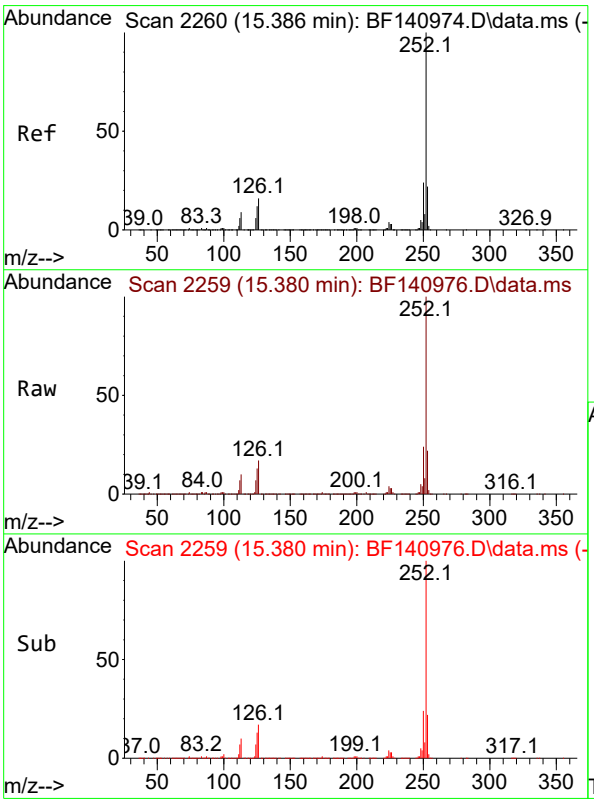
#89
Benzo(k)fluoranthene
Concen: 51.206 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 1506683

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	11.9	9.4	14.0

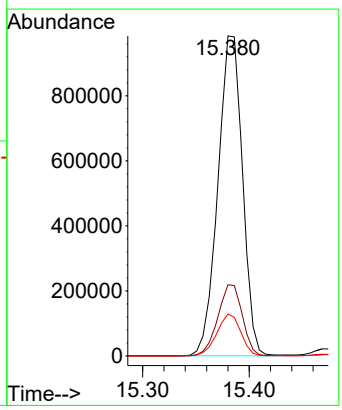


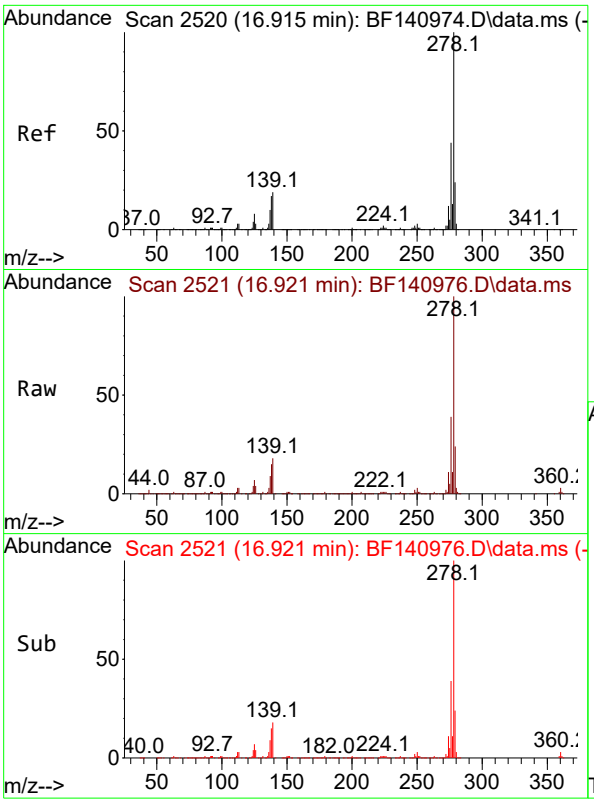


#90
Benzo(a)pyrene
Concen: 58.781 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:252 Resp: 1578812

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	13.1	9.8	14.8



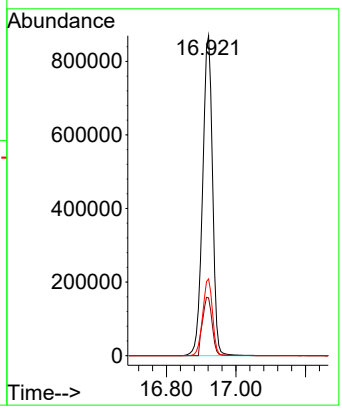


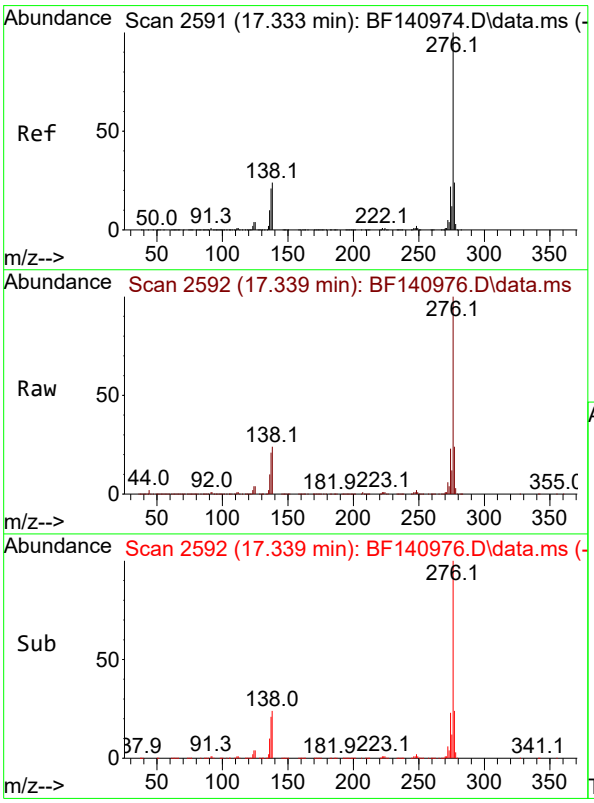
#91
Dibenzo(a,h)anthracene
Concen: 67.594 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 1726815

Ion	Ratio	Lower	Upper
278	100		
139	18.1	14.9	22.3
279	24.0	19.0	28.6

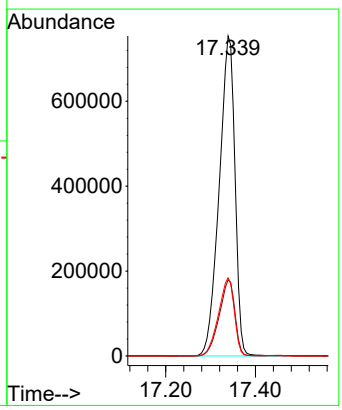




#92
Benzo(g,h,i)perylene
Concen: 70.892 ng
RT: 17.339 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:276 Resp: 1843269

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	24.4	19.4	29.2



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140977.D
Acq On : 26 Dec 2024 19:25
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Dec 26 23:51:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.834	152	256235	20.000	ng		0.00
21) Naphthalene-d8	8.116	136	977409	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	517561	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	905973	20.000	ng		0.00
76) Chrysene-d12	13.992	240	487461	20.000	ng		0.00
86) Perylene-d12	15.445	264	520884	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.440	112	2368484	152.163	ng		0.00
7) Phenol-d6	6.457	99	3074263	149.117	ng		0.00
23) Nitrobenzene-d5	7.398	82	2604239	133.304	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	822230	134.323	ng		0.00
45) 2-Fluorobiphenyl	9.187	172	4166122	110.669	ng		0.00
79) Terphenyl-d14	12.939	244	4715646	152.545	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.552	88	572464	85.385	ng		100
3) Pyridine	3.305	79	1340918	86.361	ng		100
4) n-Nitrosodimethylamine	3.263	42	724146	92.514	ng		100
6) Aniline	6.534	93	417330	23.675	ng		99
8) 2-Chlorophenol	6.616	128	1257135	74.062	ng		99
9) Benzaldehyde	6.381	77	646045	56.555	ng		100
10) Phenol	6.475	94	1587534	74.297	ng		95
11) bis(2-Chloroethyl)ether	6.575	93	1262712	79.241	ng		94
12) 1,3-Dichlorobenzene	6.775	146	1375754	71.129	ng		99
13) 1,4-Dichlorobenzene	6.851	146	1392839	70.943	ng		100
14) 1,2-Dichlorobenzene	7.004	146	1265701	68.328	ng		99
15) Benzyl Alcohol	6.975	79	1122638	76.158	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1929216	102.772	ng		99
17) 2-Methylphenol	7.081	107	1092114	80.588	ng		99
18) Hexachloroethane	7.345	117	520192	71.172	ng		97
19) n-Nitroso-di-n-propyla...	7.257	70	941090	76.098	ng		99
20) 3+4-Methylphenols	7.240	107	1265999	70.451	ng	#	85
22) Acetophenone	7.245	105	1646630	67.346	ng	#	95
24) Nitrobenzene	7.422	77	1399699	69.936	ng		97
25) Isophorone	7.657	82	2454830	74.994	ng		99
26) 2-Nitrophenol	7.728	139	593981	64.439	ng		96
27) 2,4-Dimethylphenol	7.763	122	900268	83.630	ng		99
28) bis(2-Chloroethoxy)met...	7.869	93	1499425	73.341	ng		99
29) 2,4-Dichlorophenol	7.969	162	1033455	69.536	ng		99
30) 1,2,4-Trichlorobenzene	8.057	180	1119798	65.726	ng		100
31) Naphthalene	8.140	128	3488407	64.973	ng		99
32) Benzoic acid	7.898	122	869866	85.202	ng		99
33) 4-Chloroaniline	8.192	127	1373750	77.039	ng		100
34) Hexachlorobutadiene	8.251	225	663193	57.857	ng		99
35) Caprolactam	8.569	113	369167	83.436	ng		100
36) 4-Chloro-3-methylphenol	8.657	107	1144506	68.420	ng		98
37) 2-Methylnaphthalene	8.822	142	2270301	63.923	ng		100
38) 1-Methylnaphthalene	8.922	142	2231397	63.528	ng		100
40) 1,2,4,5-Tetrachloroben...	8.987	216	1015621	63.844	ng		100
41) Hexachlorocyclopentadiene	8.975	237	373217	93.988	ng		100
43) 2,4,6-Trichlorophenol	9.098	196	733660	75.318	ng		100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140977.D
Acq On : 26 Dec 2024 19:25
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Dec 26 23:51:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration

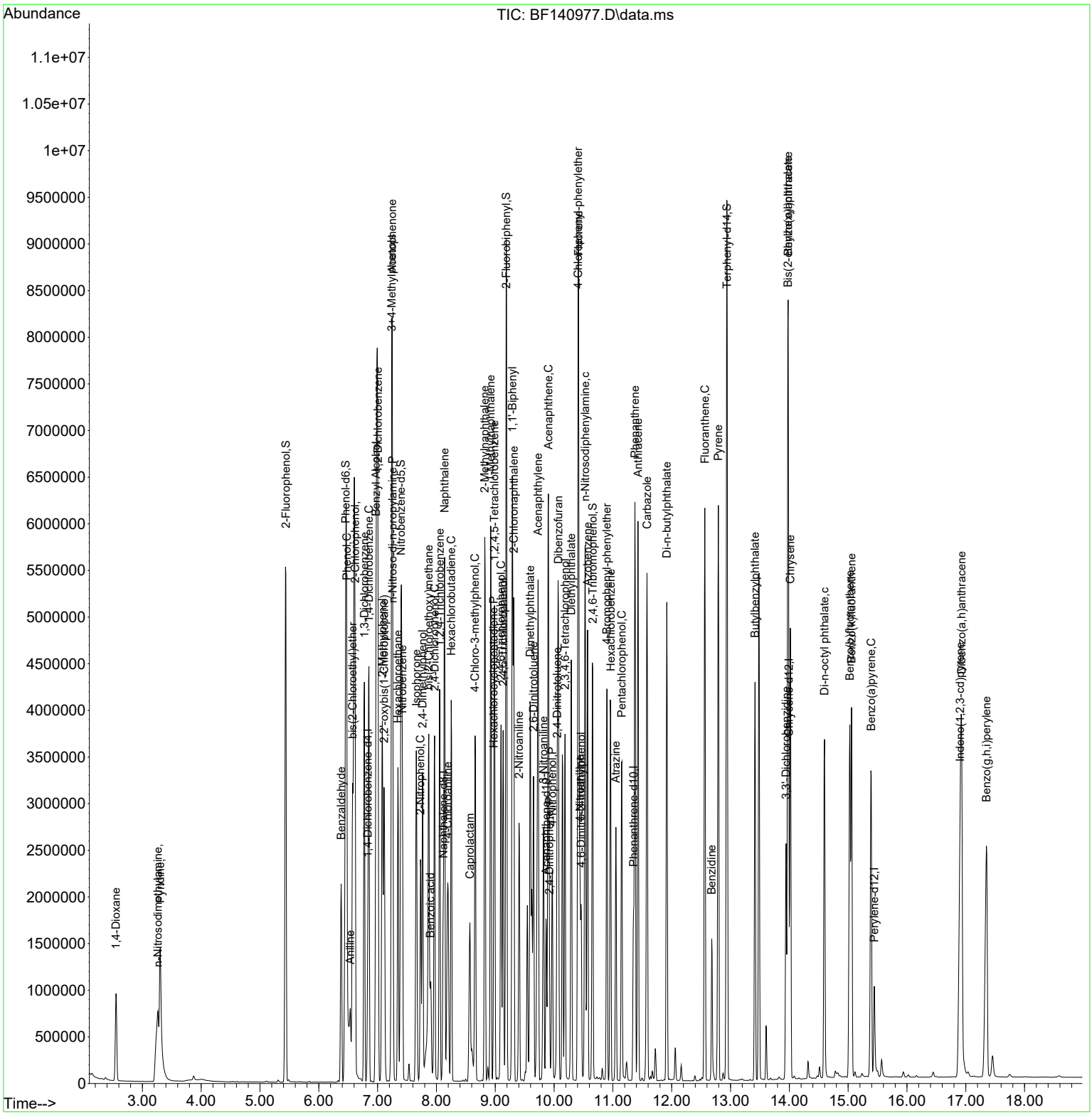
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.134	196	735644	68.710	ng		100
46) 1,1'-Biphenyl	9.292	154	2671996	64.924	ng		99
47) 2-Chloronaphthalene	9.316	162	2134444	67.793	ng		99
48) 2-Nitroaniline	9.404	65	672379	70.712	ng		97
49) Acenaphthylene	9.728	152	3058781	66.109	ng		98
50) Dimethylphthalate	9.592	163	2454844	67.276	ng		99
51) 2,6-Dinitrotoluene	9.651	165	571642	68.528	ng		100
52) Acenaphthene	9.904	154	2125174	71.904	ng		99
53) 3-Nitroaniline	9.822	138	618458	74.708	ng	#	94
54) 2,4-Dinitrophenol	9.922	184	217487	63.643	ng	#	1
55) Dibenzofuran	10.075	168	2876315	62.804	ng		99
56) 4-Nitrophenol	9.969	139	520450	133.970	ng		97
57) 2,4-Dinitrotoluene	10.051	165	704156	64.157	ng		97
58) Fluorene	10.416	166	2204698	58.351	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	624965	71.636	ng		99
60) Diethylphthalate	10.292	149	2431548	64.262	ng		99
61) 4-Chlorophenyl-phenyle...	10.410	204	1077930	56.795	ng		98
62) 4-Nitroaniline	10.439	138	622110	71.914	ng		97
63) Azobenzene	10.569	77	2525786	71.004	ng		99
65) 4,6-Dinitro-2-methylph...	10.463	198	323476	63.010	ng		98
66) n-Nitrosodiphenylamine	10.528	169	2022411	72.606	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	713807	70.427	ng		99
68) Hexachlorobenzene	10.963	284	798823	69.515	ng		99
69) Atrazine	11.051	200	448938	57.708	ng		99
70) Pentachlorophenol	11.151	266	559728	133.227	ng		100
71) Phenanthrene	11.375	178	3286287	70.538	ng		99
72) Anthracene	11.428	178	3204142	69.836	ng		99
73) Carbazole	11.580	167	3104460	69.081	ng		99
74) Di-n-butylphthalate	11.916	149	3587776	68.025	ng		99
75) Fluoranthene	12.563	202	3500378	65.239	ng		99
77) Benzidine	12.680	184	783695	78.772	ng		99
78) Pyrene	12.792	202	3514654	81.080	ng		99
80) Butylbenzylphthalate	13.416	149	1323506	82.979	ng		98
81) Benzo(a)anthracene	13.980	228	2440118	70.630	ng		100
82) 3,3'-Dichlorobenzidine	13.945	252	735658	70.578	ng		99
83) Chrysene	14.016	228	2321200	73.887	ng		100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1545595	75.152	ng		100
85) Di-n-octyl phthalate	14.598	149	2322268	74.636	ng		100
87) Indeno(1,2,3-cd)pyrene	16.904	276	2898446	89.169	ng		99
88) Benzo(b)fluoranthene	15.027	252	2657521	73.499	ng		100
89) Benzo(k)fluoranthene	15.057	252	1897702	61.186	ng		100
90) Benzo(a)pyrene	15.392	252	2098162	74.108	ng		99
91) Dibenzo(a,h)anthracene	16.927	278	2334266	86.683	ng		99
92) Benzo(g,h,i)perylene	17.351	276	2487019	90.743	ng		99

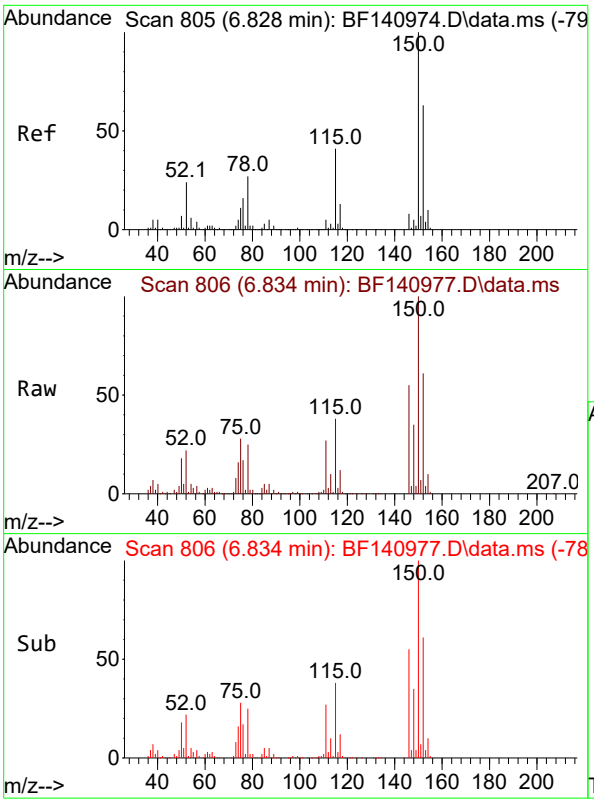
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140977.D
Acq On : 26 Dec 2024 19:25
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Dec 26 23:51:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration



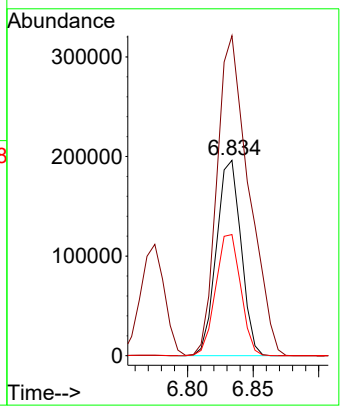


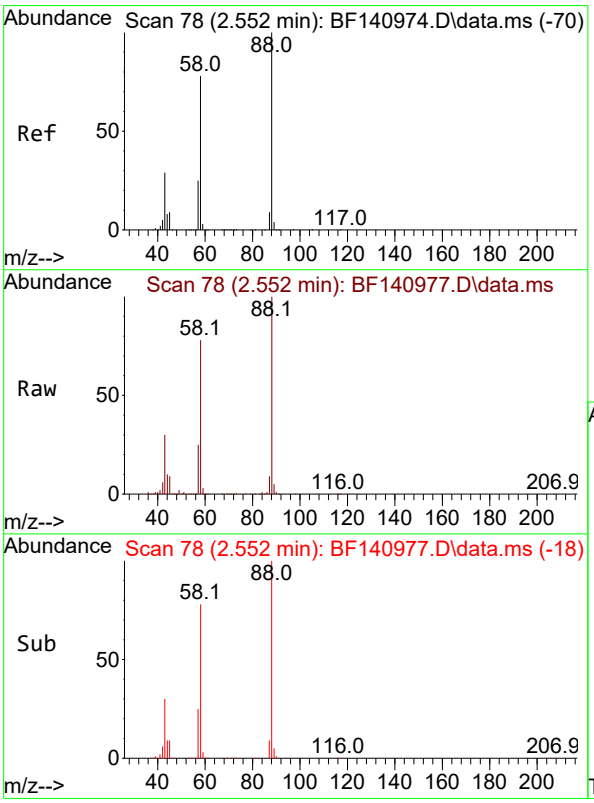
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 256235

Ion	Ratio	Lower	Upper
152	100		
150	163.7	127.0	190.6
115	62.0	51.7	77.5

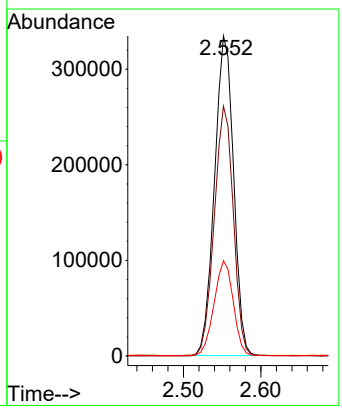


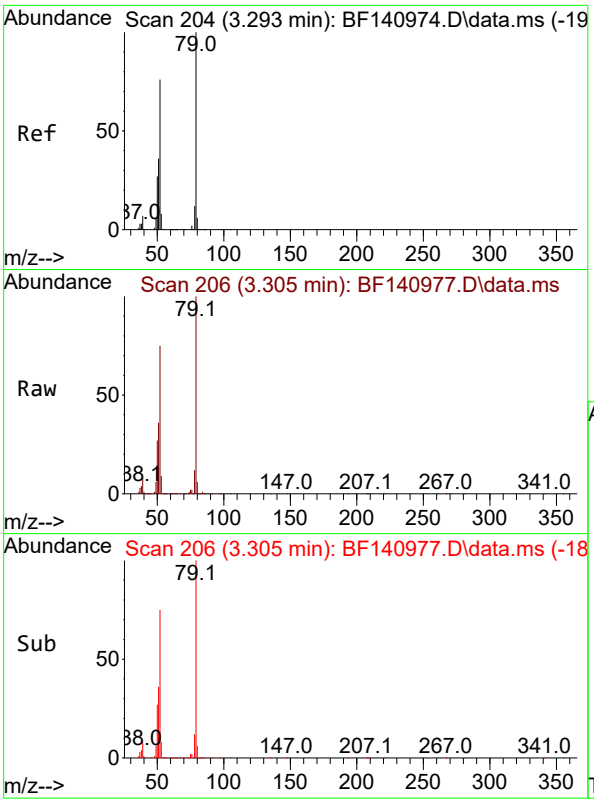


#2
1,4-Dioxane
Concen: 85.385 ng
RT: 2.552 min Scan# 78
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 88 Resp: 572464

Ion	Ratio	Lower	Upper
88	100		
58	78.4	63.0	94.4
43	29.7	23.4	35.2



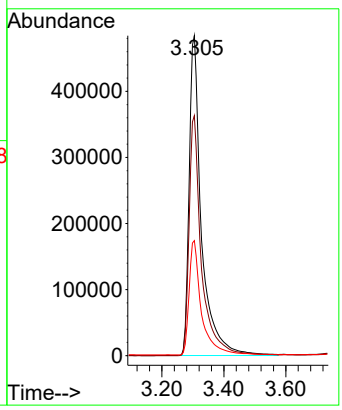


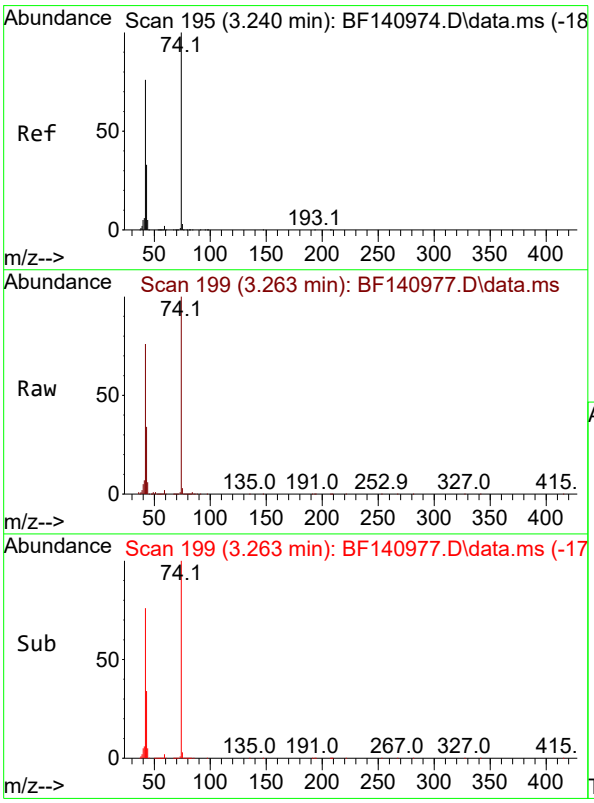
#3
Pyridine
Concen: 86.361 ng
RT: 3.305 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1340918

Ion	Ratio	Lower	Upper
79	100		
52	75.0	60.4	90.6
51	36.0	28.8	43.2

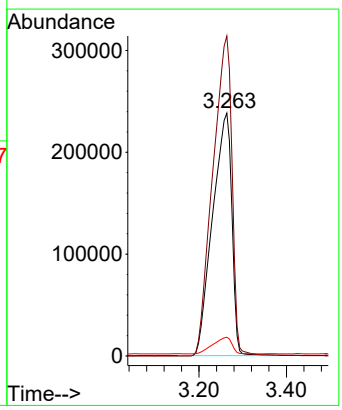


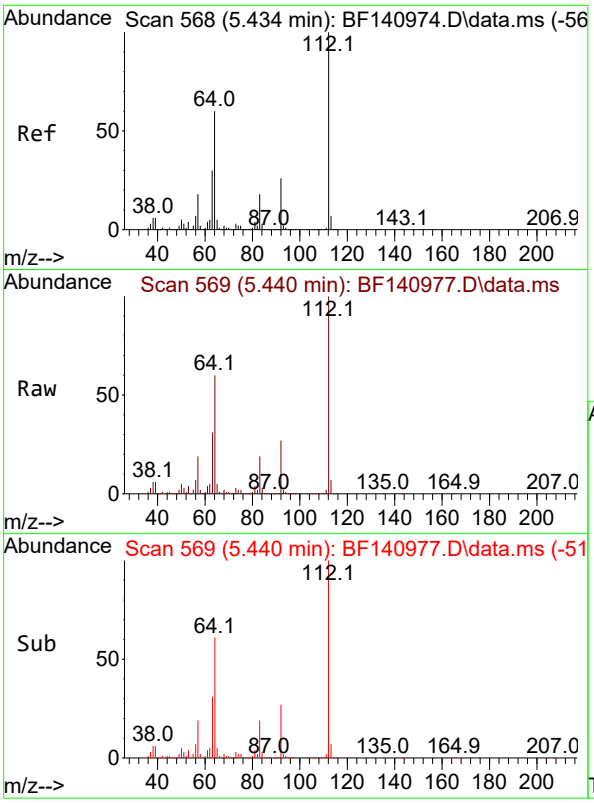


#4
n-Nitrosodimethylamine
Concen: 92.514 ng
RT: 3.263 min Scan# 199
Delta R.T. 0.024 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 42 Resp: 724146

Ion	Ratio	Lower	Upper
42	100		
74	131.8	105.8	158.6
44	7.7	6.6	10.0



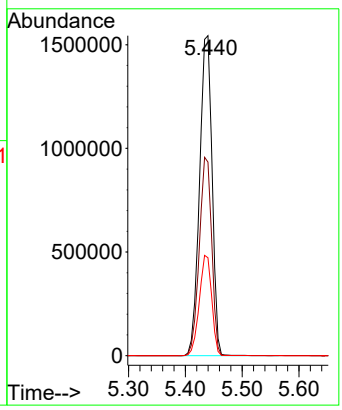


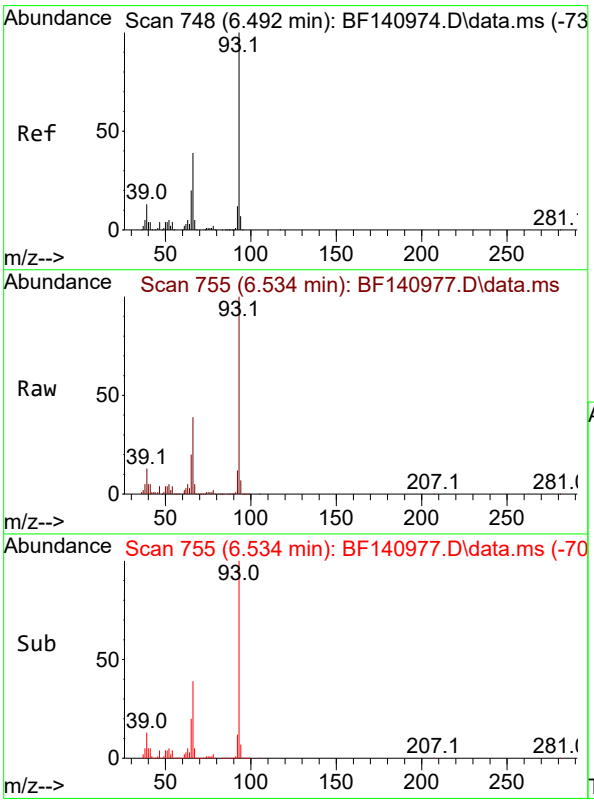
#5
2-Fluorophenol
Concen: 152.163 ng
RT: 5.440 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 2368484

Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.7	71.5
63	30.6	24.2	36.2

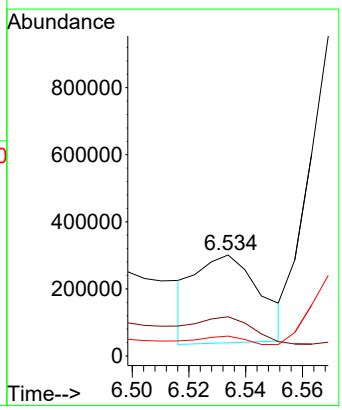


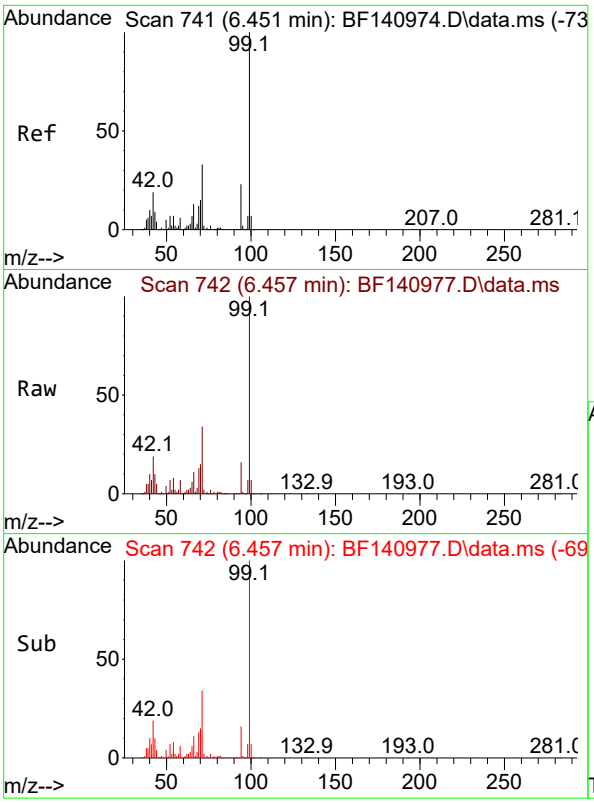


#6
Aniline
Concen: 23.675 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.024 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 93 Resp: 417330

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.8	47.8
65	19.6	15.4	23.0



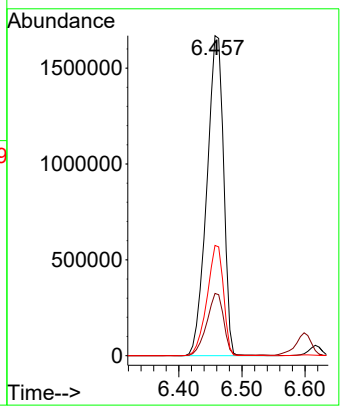


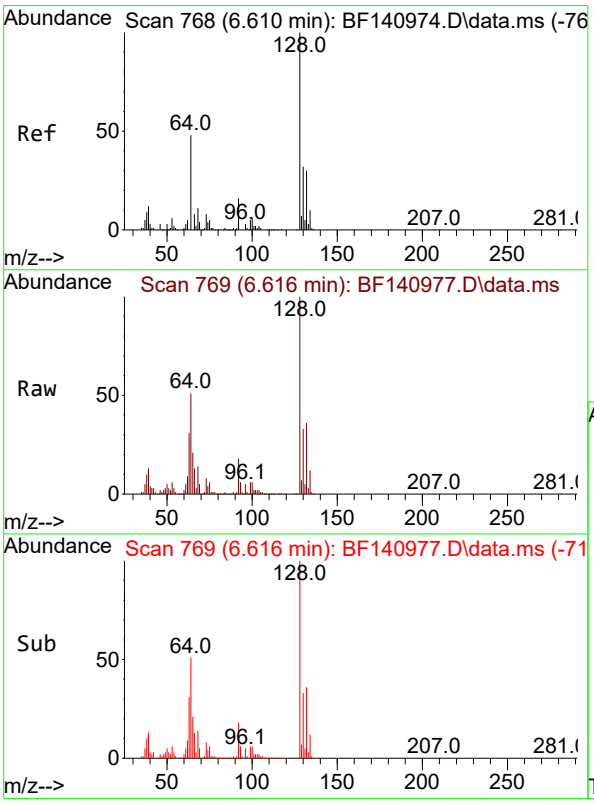
#7
Phenol-d6
Concen: 149.117 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 3074263

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.0	22.4
71	34.5	26.2	39.2

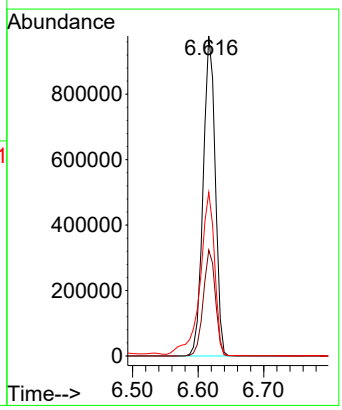


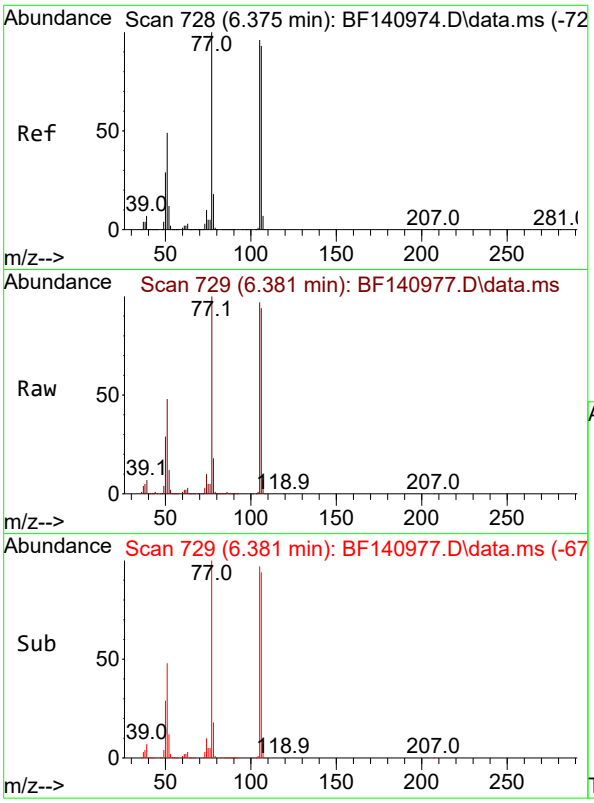


#8
2-Chlorophenol
Concen: 74.062 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:128 Resp: 1257135

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.2	52.2
64	51.2	30.3	70.3



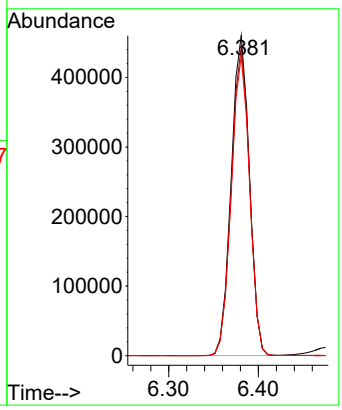


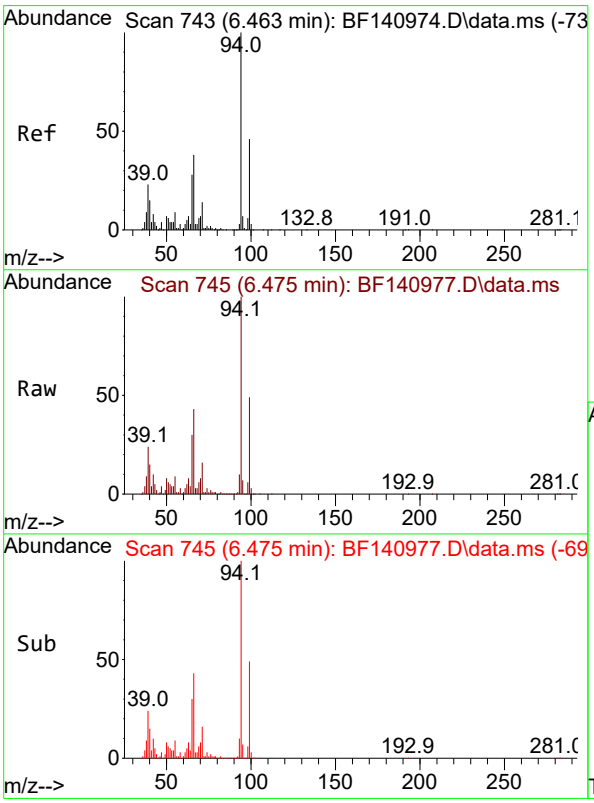
#9
Benzaldehyde
Concen: 56.555 ng
RT: 6.381 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 646045

Ion	Ratio	Lower	Upper
77	100		
105	96.6	76.2	116.2
106	93.6	73.4	113.4

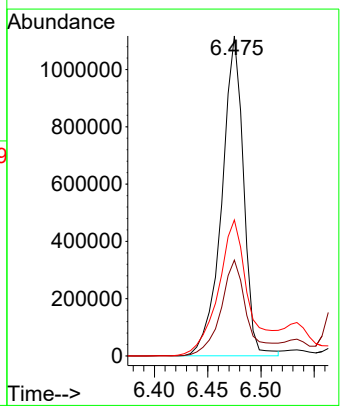


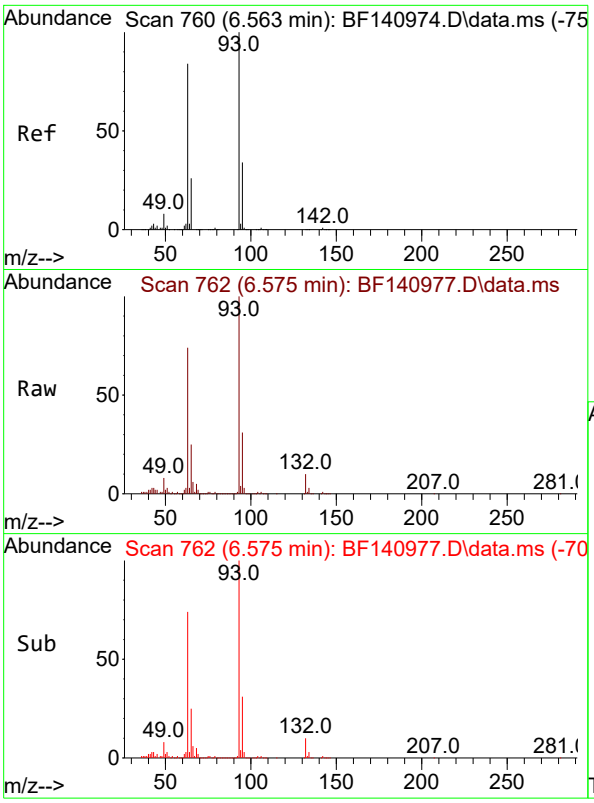


#10
Phenol
Concen: 74.297 ng
RT: 6.475 min Scan# 745
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 94 Resp: 1587534

Ion	Ratio	Lower	Upper
94	100		
65	29.9	8.1	48.1
66	42.5	18.7	58.7



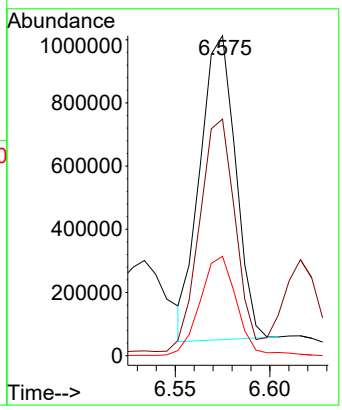


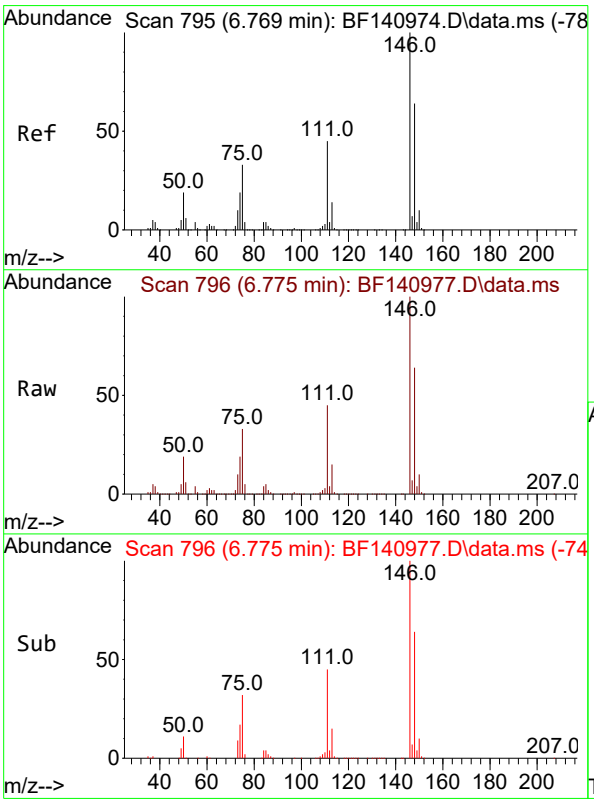
#11
bis(2-Chloroethyl)ether
Concen: 79.241 ng
RT: 6.575 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1262712

Ion	Ratio	Lower	Upper
93	100		
63	74.0	60.3	100.3
95	31.0	12.2	52.2

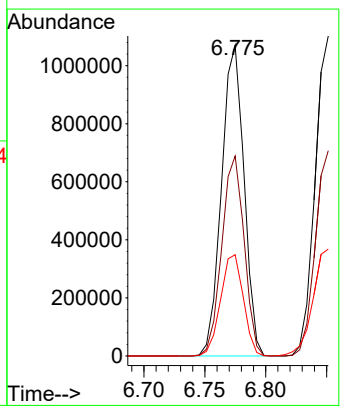


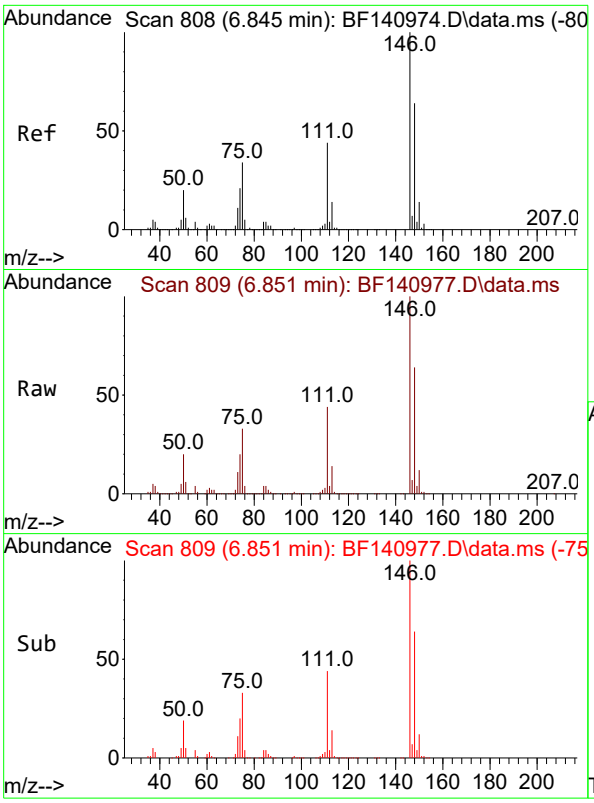


#12
1,3-Dichlorobenzene
Concen: 71.129 ng
RT: 6.775 min Scan# 796
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:146 Resp: 1375754

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
75	32.6	26.1	39.1



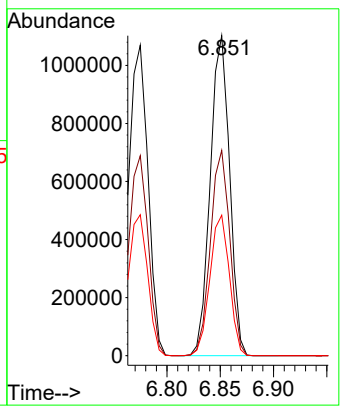


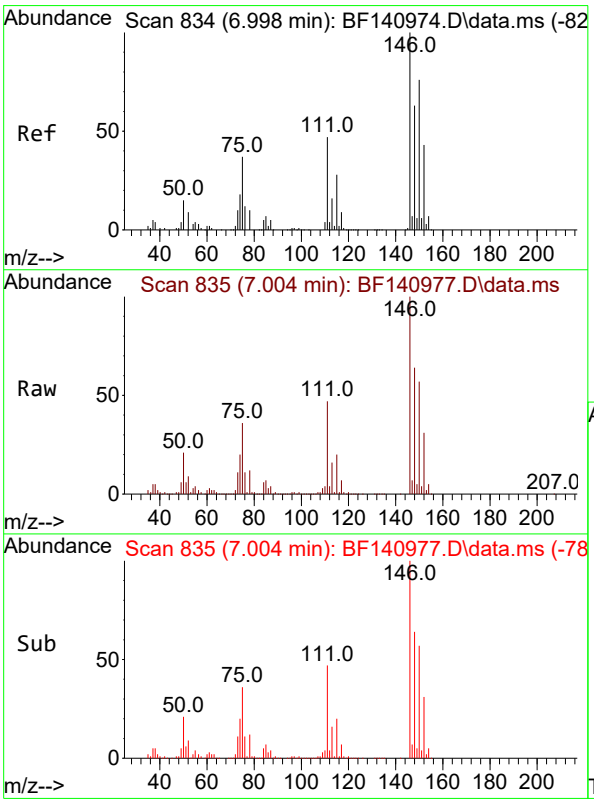
#13
1,4-Dichlorobenzene
Concen: 70.943 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1392839

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.3	76.9
111	43.9	35.3	52.9

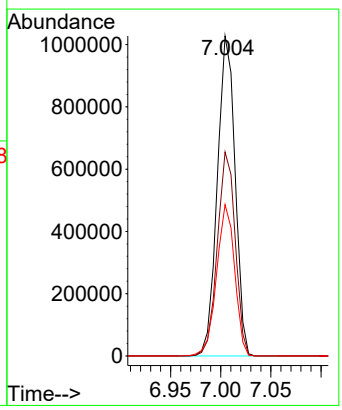


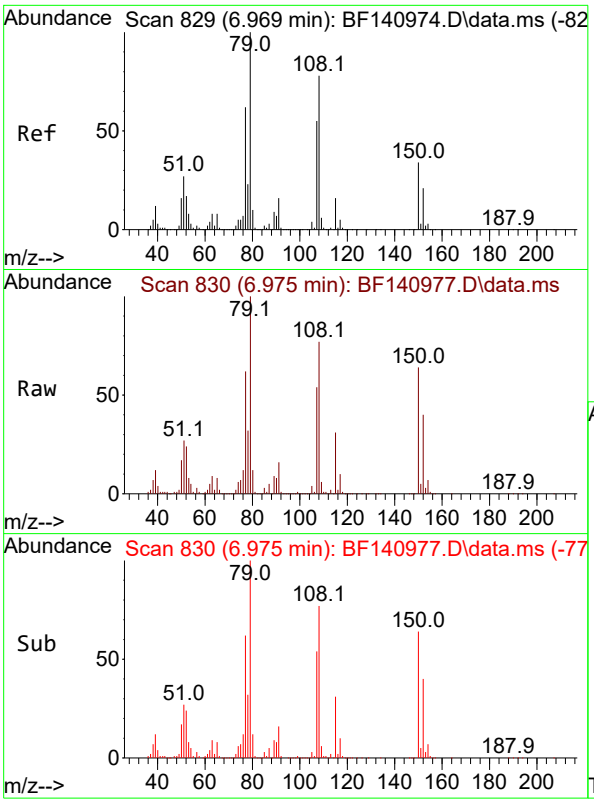


#14
1,2-Dichlorobenzene
Concen: 68.328 ng
RT: 7.004 min Scan# 835
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:146 Resp: 1265701

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
111	47.3	37.3	55.9



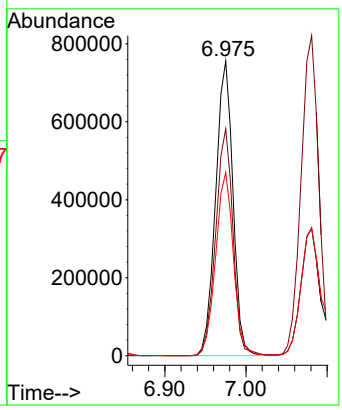


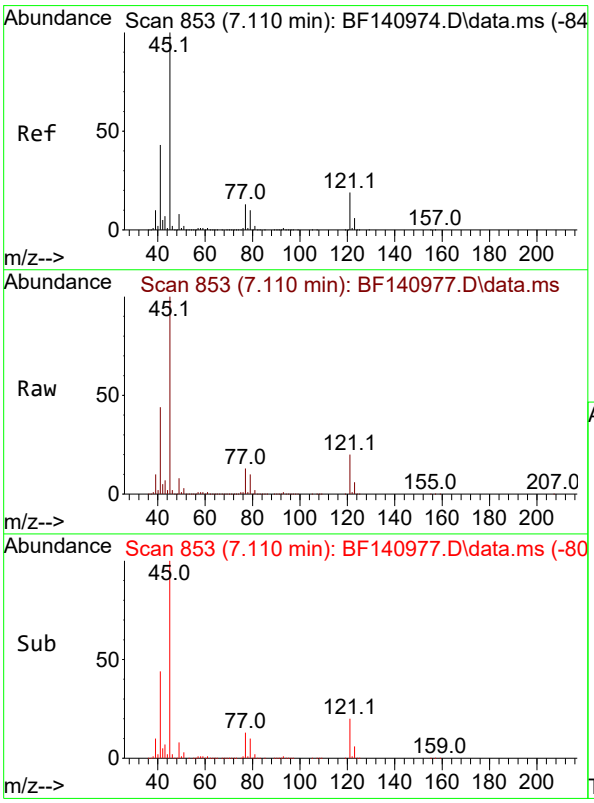
#15
Benzyl Alcohol
Concen: 76.158 ng
RT: 6.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1122638

Ion	Ratio	Lower	Upper
79	100		
108	77.0	62.5	93.7
77	62.2	49.3	73.9

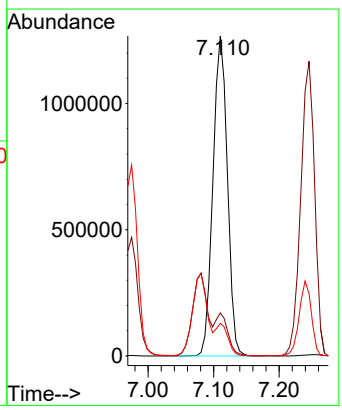


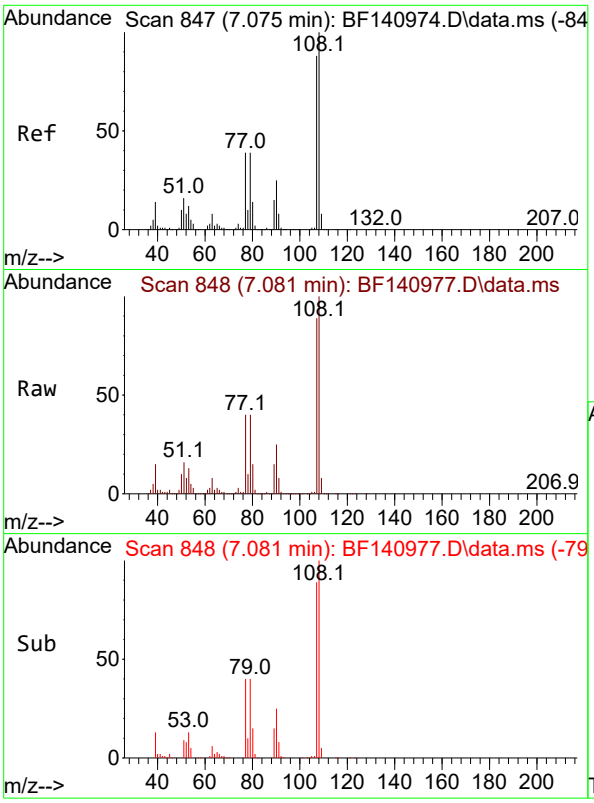


#16
2,2'-oxybis(1-Chloropropane)
Concen: 102.772 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 45 Resp: 1929216

Ion	Ratio	Lower	Upper
45	100		
77	13.5	0.0	33.1
79	10.2	0.0	30.1



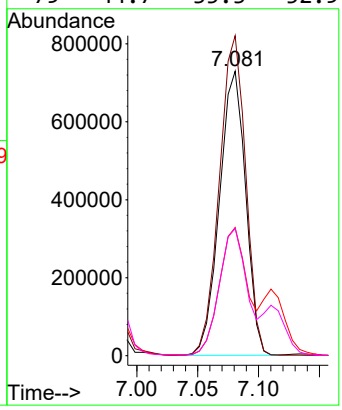


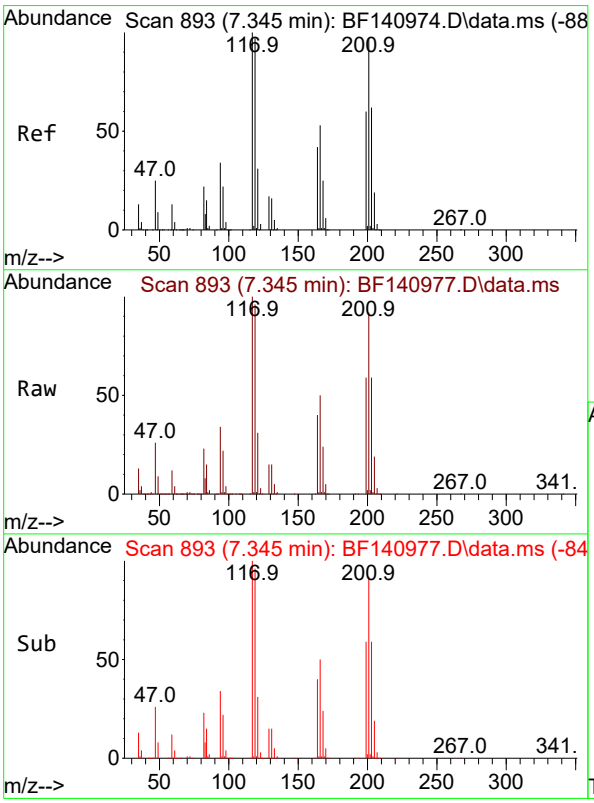
#17
2-Methylphenol
Concen: 80.588 ng
RT: 7.081 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1092114

Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.6	136.0
77	45.1	35.3	52.9
79	44.7	35.3	52.9

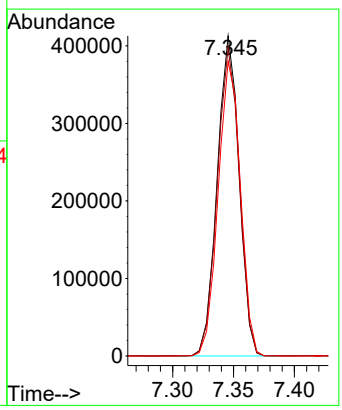


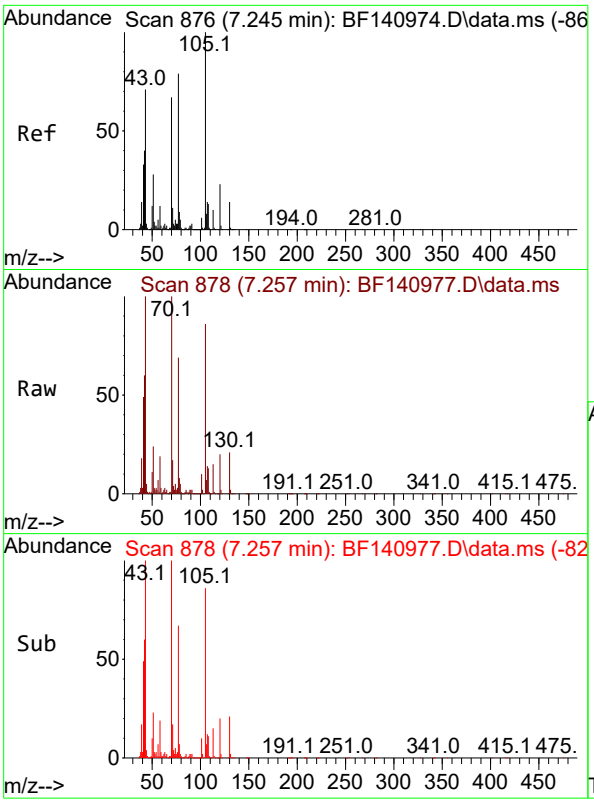


#18
Hexachloroethane
Concen: 71.172 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:117 Resp: 520192

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.5	116.3
201	92.1	77.4	116.2



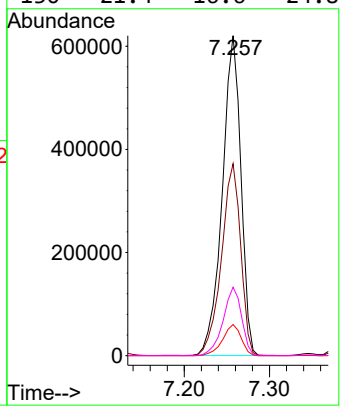


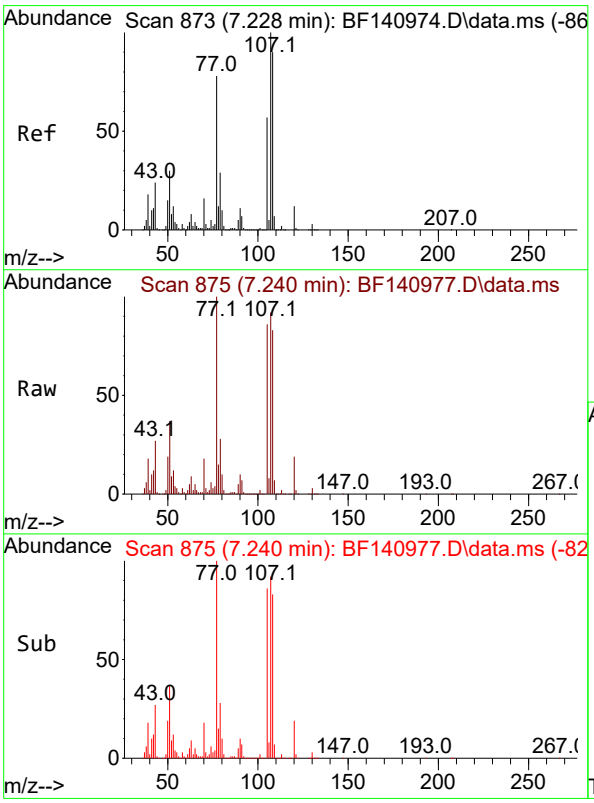
#19
n-Nitroso-di-n-propylamine
Concen: 76.098 ng
RT: 7.257 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 941090

Ion	Ratio	Lower	Upper
70	100		
42	60.0	48.1	72.1
101	9.8	7.6	11.4
130	21.4	16.6	24.8

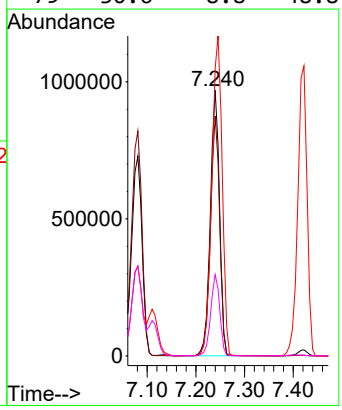


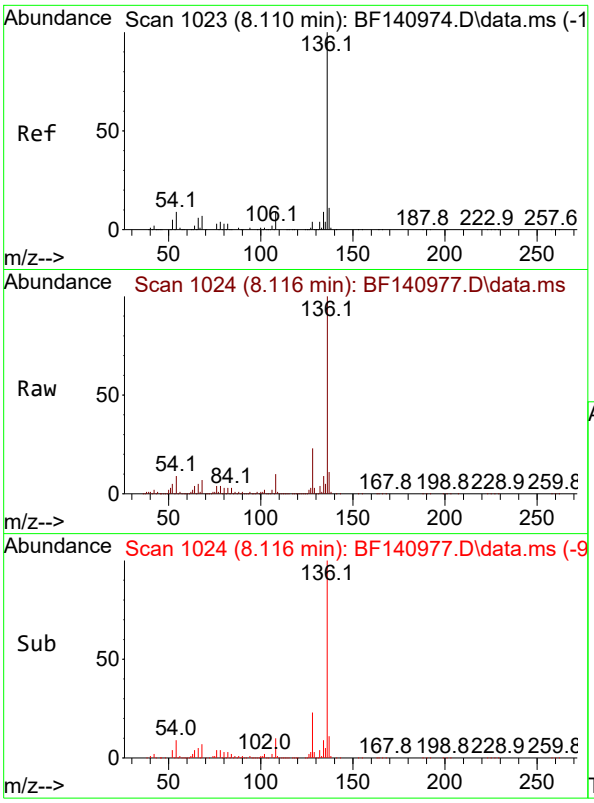


#20
3+4-Methylphenols
Concen: 70.451 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:107 Resp: 1265999

Ion	Ratio	Lower	Upper
107	100		
108	90.3	69.6	109.6
77	108.2	57.6	97.6#
79	30.6	8.8	48.8



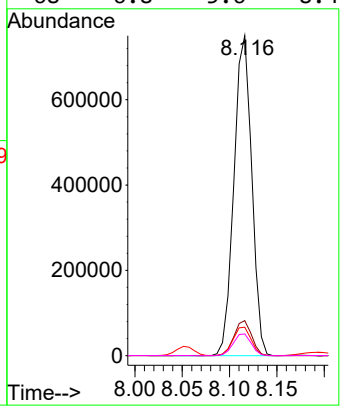


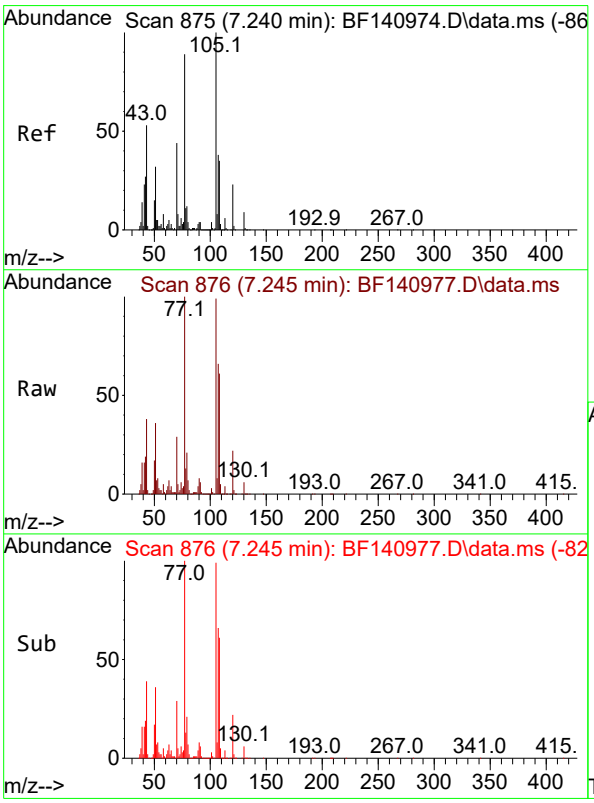
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 977409

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	8.9	7.6	11.4
68	6.8	5.6	8.4

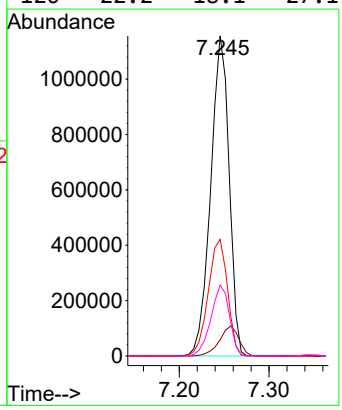


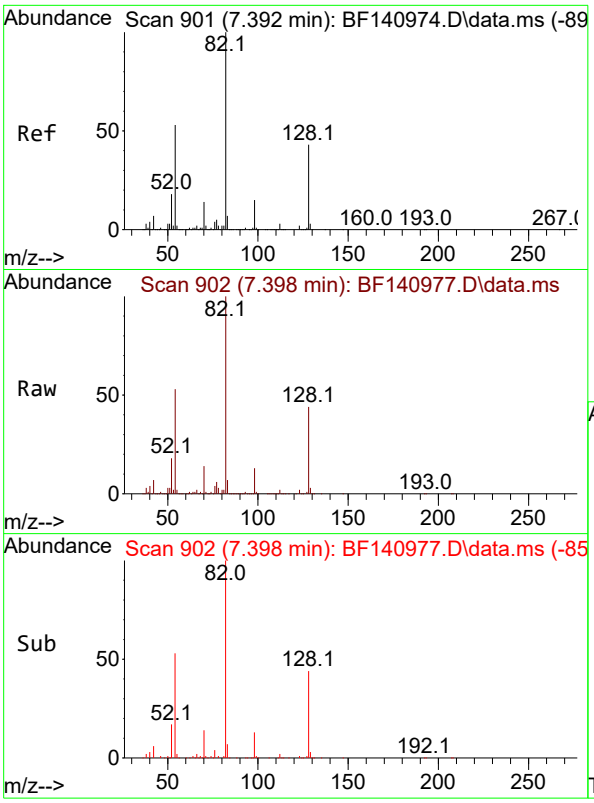


#22
Acetophenone
Concen: 67.346 ng
RT: 7.245 min Scan# 876
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:105 Resp: 1646630

Ion	Ratio	Lower	Upper
105	100		
71	5.0	6.1	9.1#
51	36.5	25.8	38.6
120	22.2	18.1	27.1



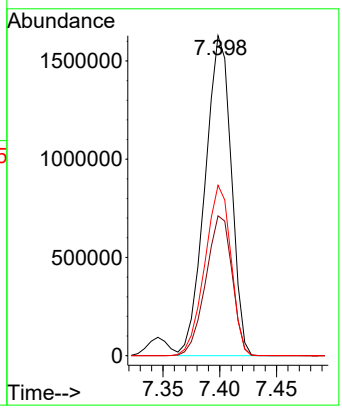


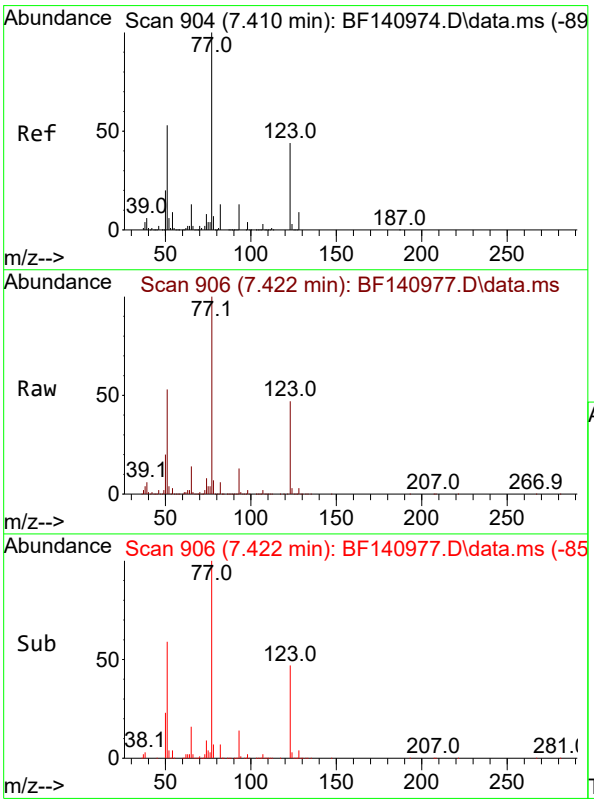
#23
Nitrobenzene-d5
Concen: 133.304 ng
RT: 7.398 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2604239

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.4	51.6
54	53.3	42.4	63.6

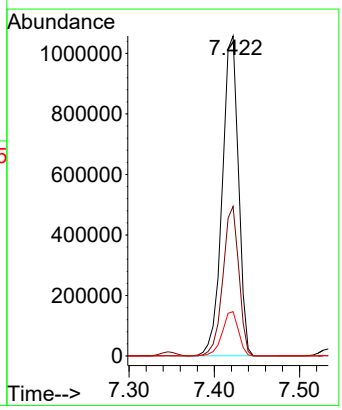


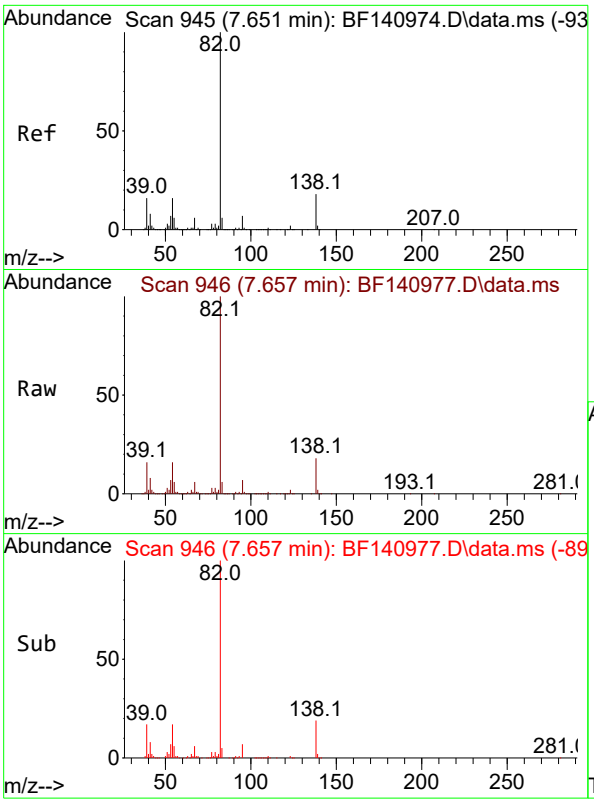


#24
Nitrobenzene
Concen: 69.936 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 77 Resp: 1399699

Ion	Ratio	Lower	Upper
77	100		
123	46.8	35.4	53.2
65	13.9	10.7	16.1



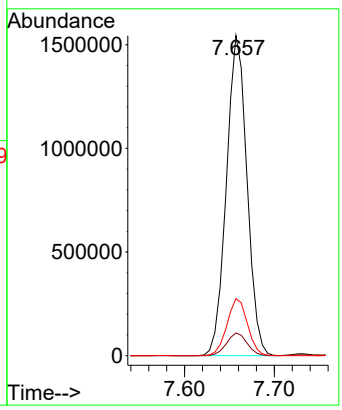


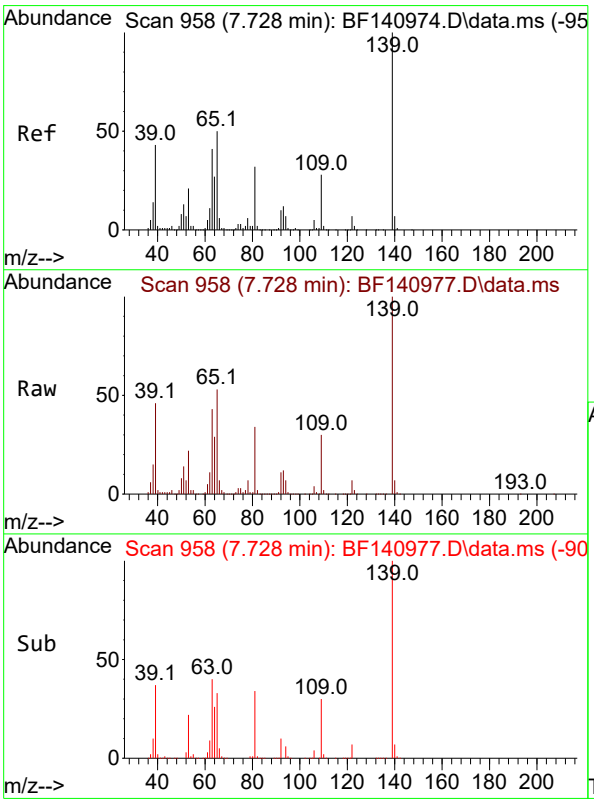
#25
Isophorone
Concen: 74.994 ng
RT: 7.657 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2454830

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	17.8	14.6	21.8

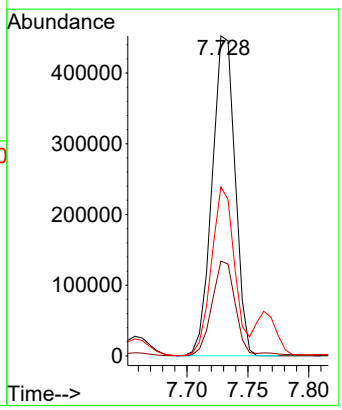


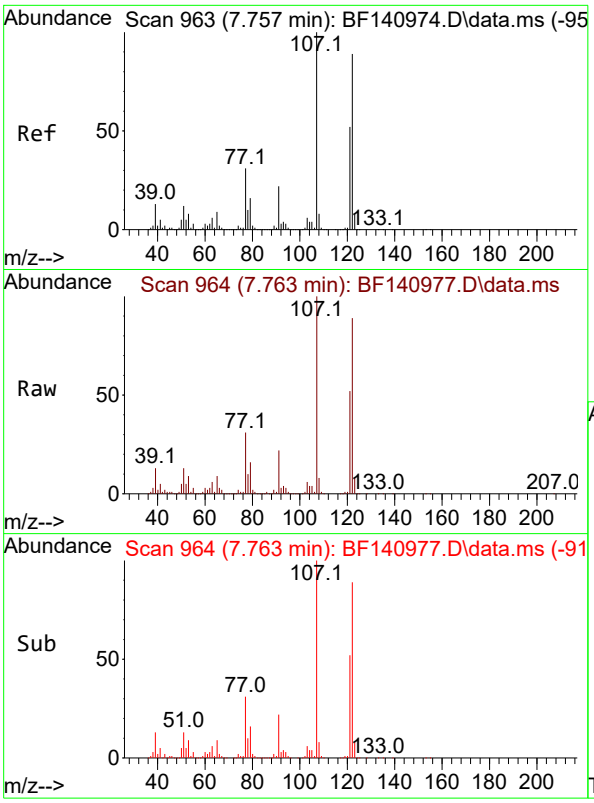


#26
2-Nitrophenol
Concen: 64.439 ng
RT: 7.728 min Scan# 958
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:139 Resp: 593981

Ion	Ratio	Lower	Upper
139	100		
109	29.7	22.2	33.4
65	52.9	40.2	60.4



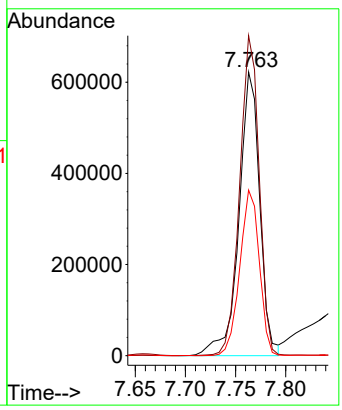


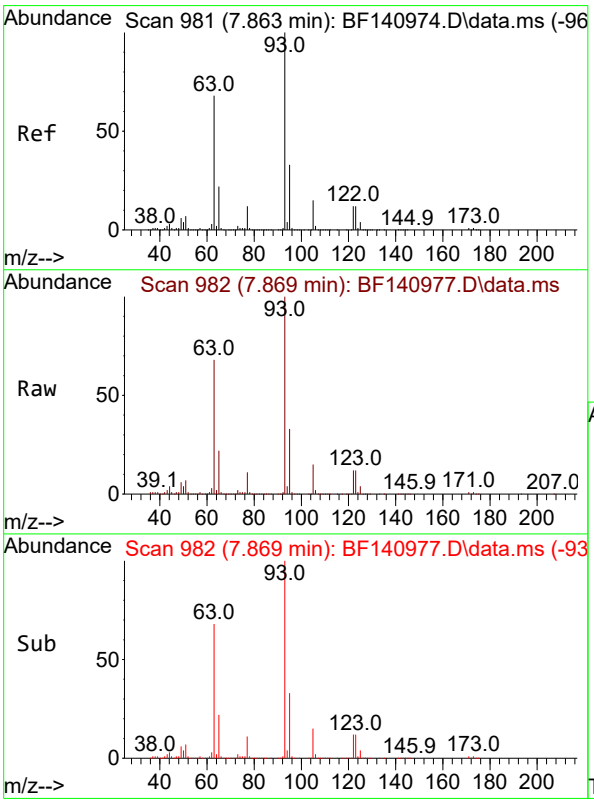
#27
2,4-Dimethylphenol
Concen: 83.630 ng
RT: 7.763 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 900268

Ion	Ratio	Lower	Upper
122	100		
107	112.8	89.4	134.2
121	58.4	46.7	70.1

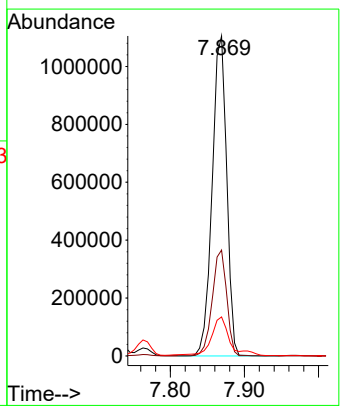


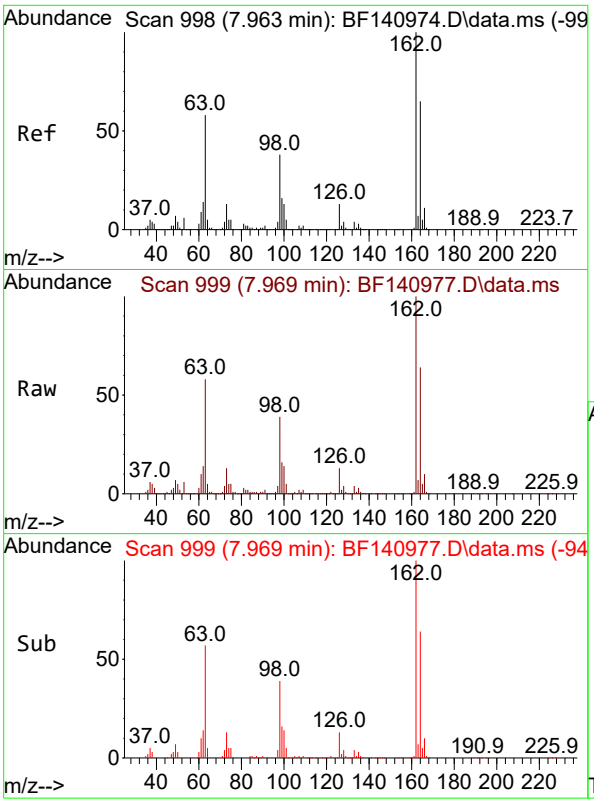


#28
bis(2-Chloroethoxy)methane
Concen: 73.341 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 93 Resp: 1499425

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.2	39.4
123	12.2	9.9	14.9



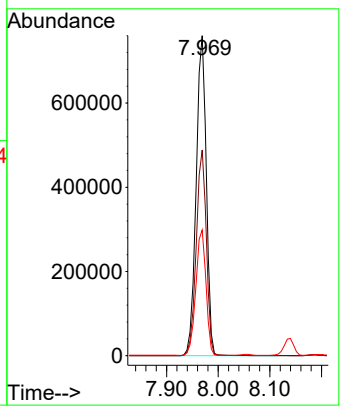


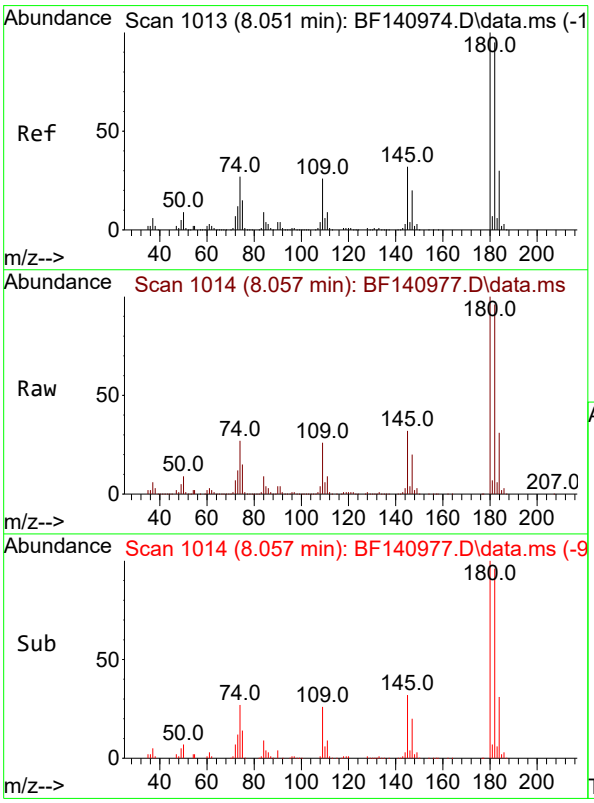
#29
2,4-Dichlorophenol
Concen: 69.536 ng
RT: 7.969 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1033455

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.8	84.8
98	39.3	18.6	58.6

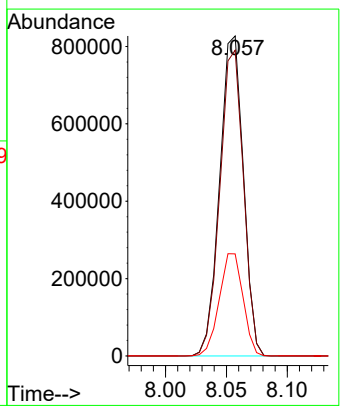


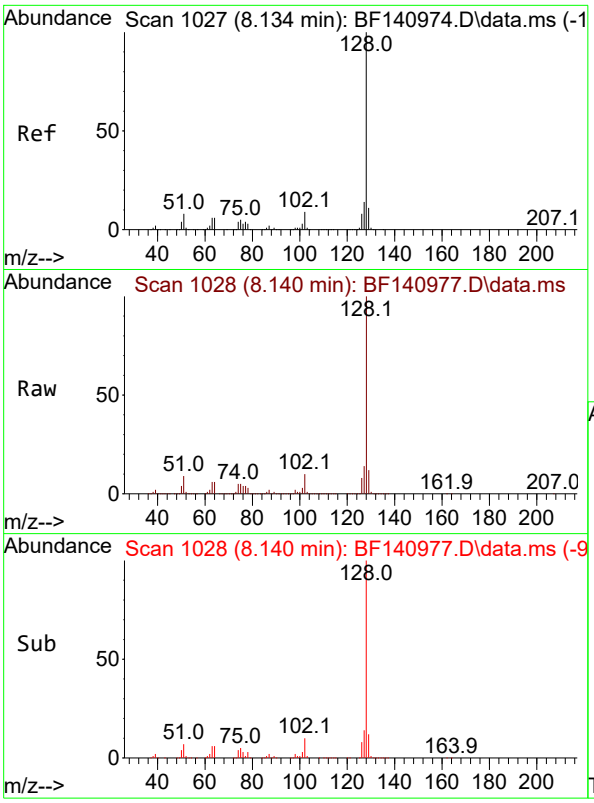


#30
1,2,4-Trichlorobenzene
Concen: 65.726 ng
RT: 8.057 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:180 Resp: 1119798

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.4
145	31.9	25.4	38.2



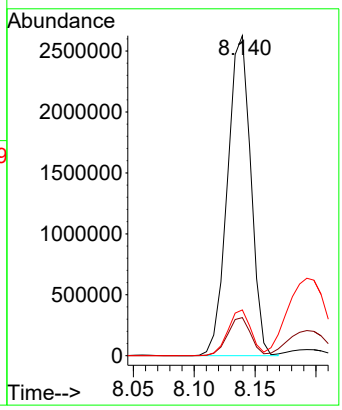


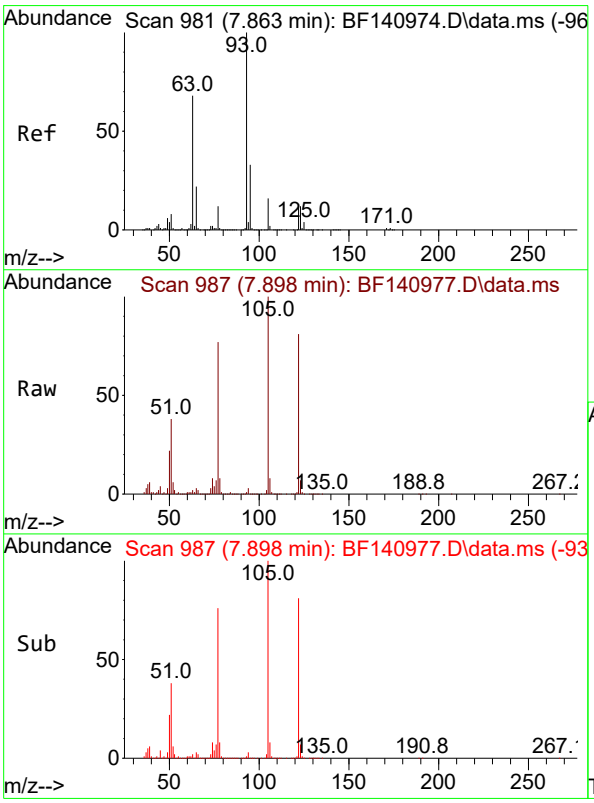
#31
Naphthalene
Concen: 64.973 ng
RT: 8.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 3488407

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.2	13.8
127	14.3	11.0	16.4

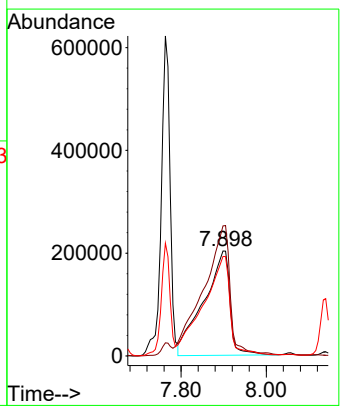


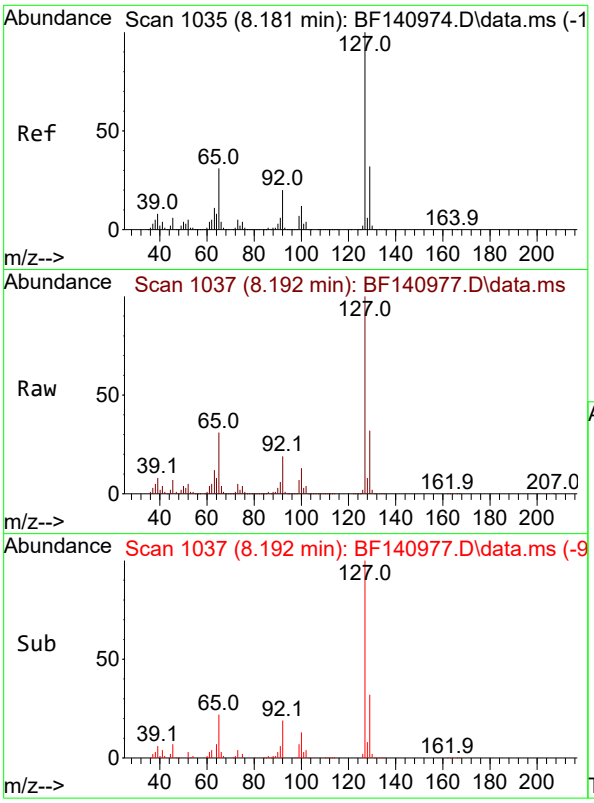


#32
Benzoic acid
Concen: 85.202 ng
RT: 7.898 min Scan# 987
Delta R.T. 0.035 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:122 Resp: 869866

Ion	Ratio	Lower	Upper
122	100		
105	123.9	105.4	145.4
77	94.9	76.4	116.4



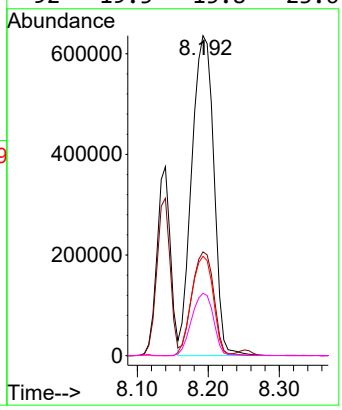


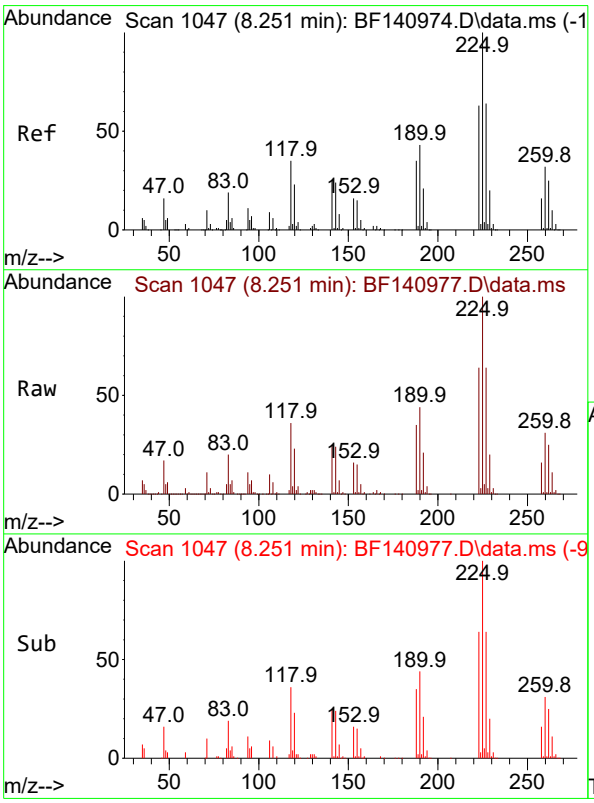
#33
4-Chloroaniline
Concen: 77.039 ng
RT: 8.192 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 1373750

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	31.1	24.6	37.0
92	19.5	15.8	23.6

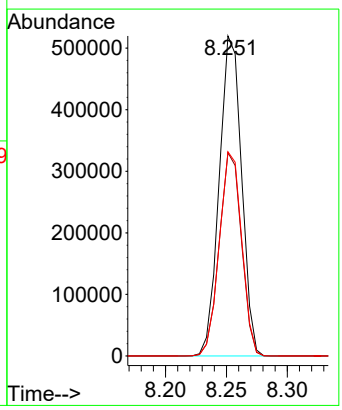


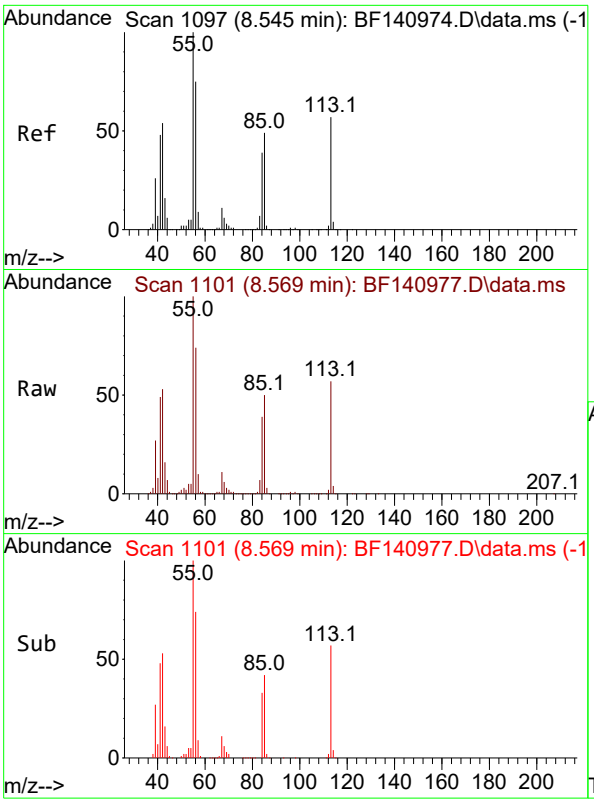


#34
Hexachlorobutadiene
Concen: 57.857 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:225 Resp: 663193

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	63.8	50.8	76.2



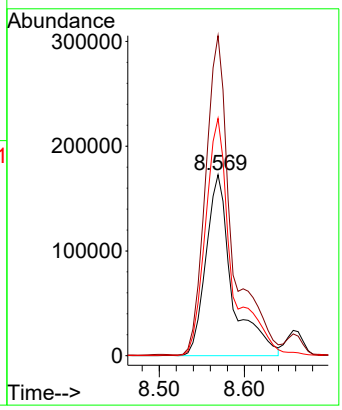


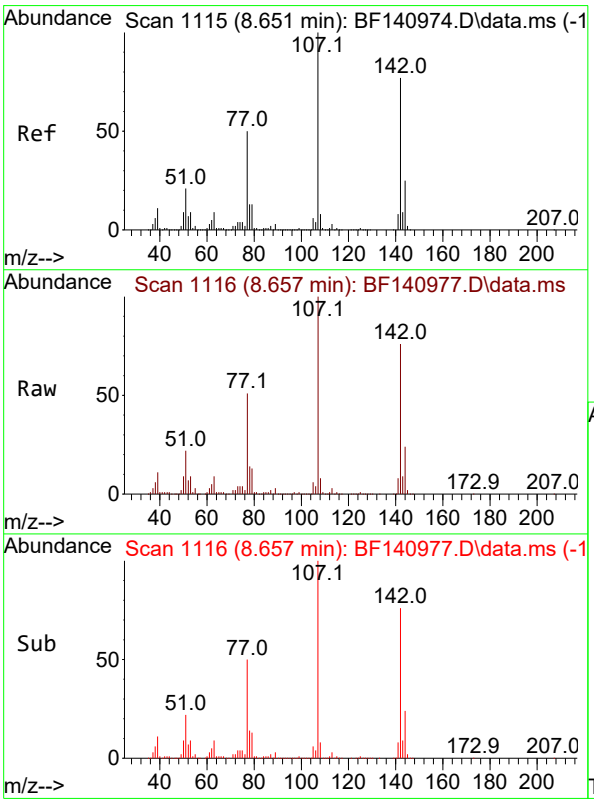
#35
Caprolactam
Concen: 83.436 ng
RT: 8.569 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 369167

Ion	Ratio	Lower	Upper
113	100		
55	176.9	156.6	196.6
56	131.2	111.7	151.7

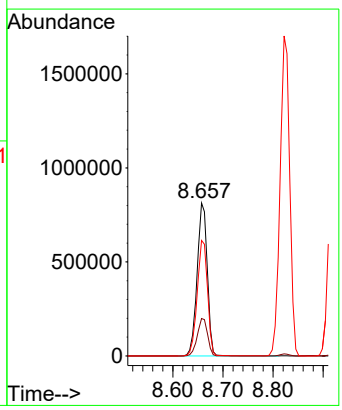


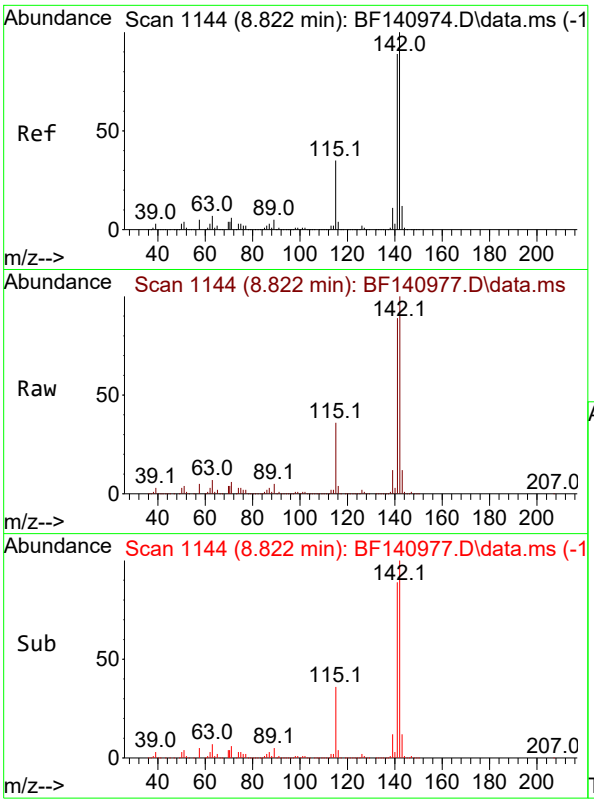


#36
4-Chloro-3-methylphenol
Concen: 68.420 ng
RT: 8.657 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:107 Resp: 1144506

Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.9	29.9
142	75.6	61.8	92.8



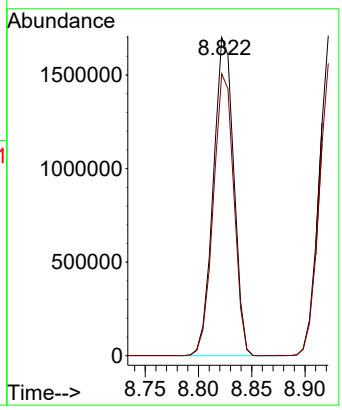


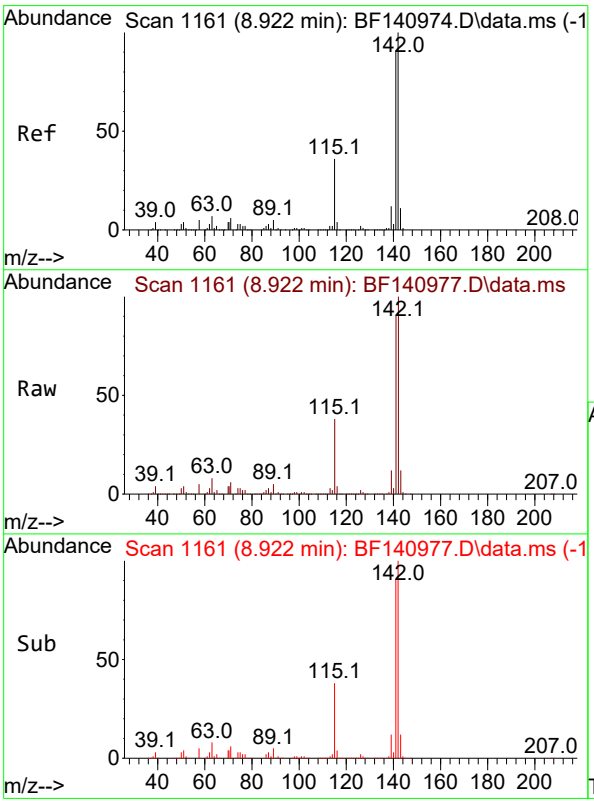
#37
2-Methylnaphthalene
Concen: 63.923 ng
RT: 8.822 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 2270301

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.1	106.7

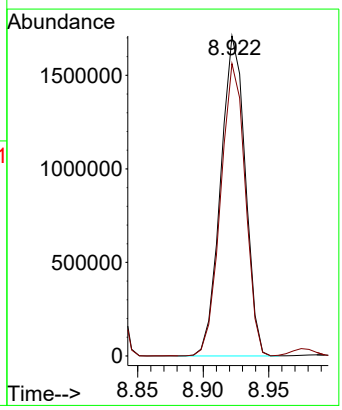


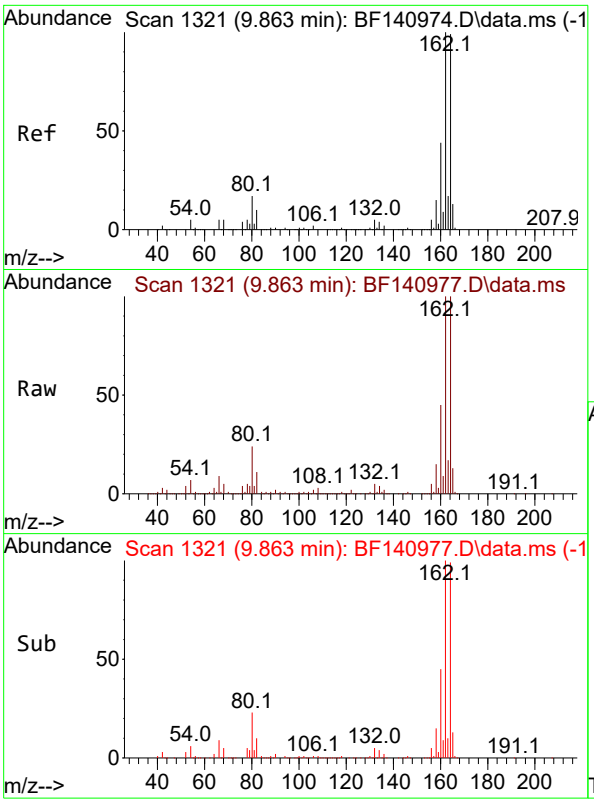


#38
1-Methylnaphthalene
Concen: 63.528 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:142 Resp: 2231397

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.7	109.1



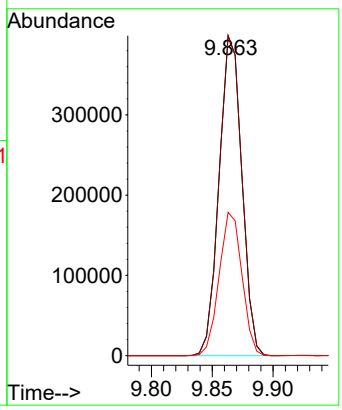


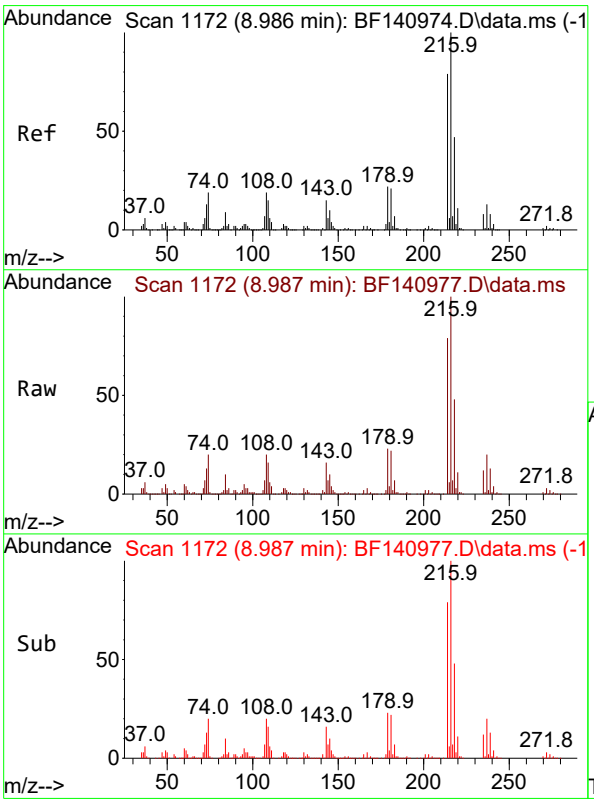
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 517561

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	120.8
160	44.8	35.7	53.5

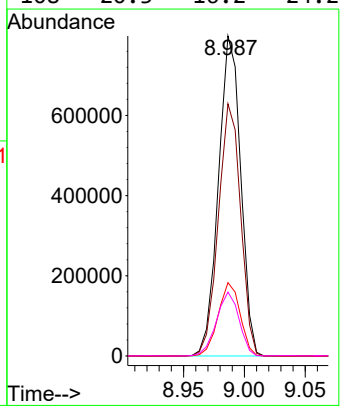


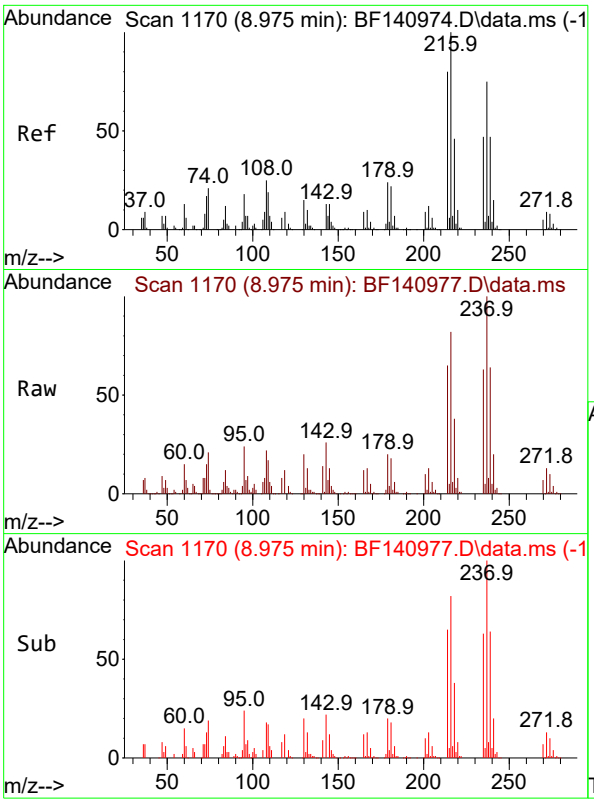


#40
1,2,4,5-Tetrachlorobenzene
Concen: 63.844 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:216 Resp: 1015621

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.0	94.6
179	22.7	17.9	26.9
108	20.3	16.2	24.2



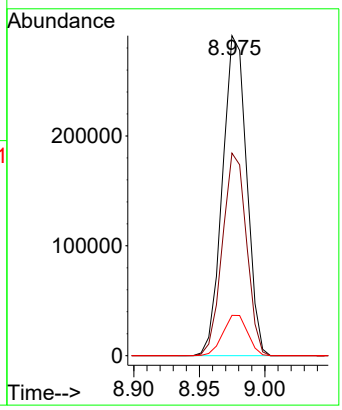


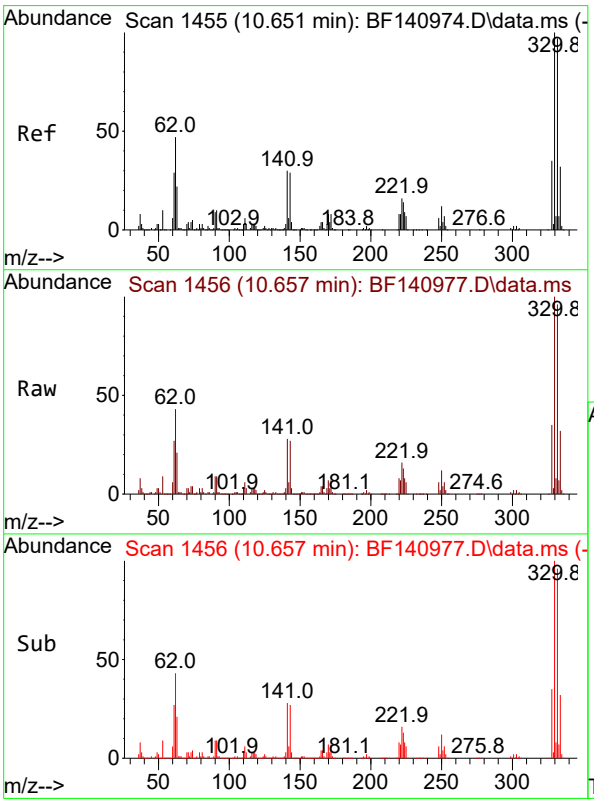
#41
Hexachlorocyclopentadiene
Concen: 93.988 ng
RT: 8.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 373217

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.4	83.4
272	12.6	0.0	32.6

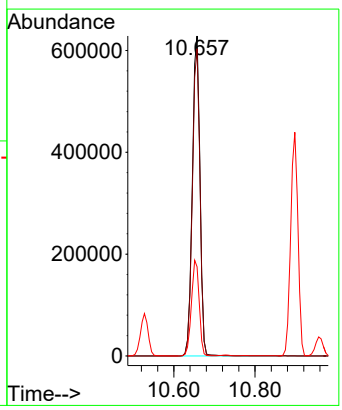


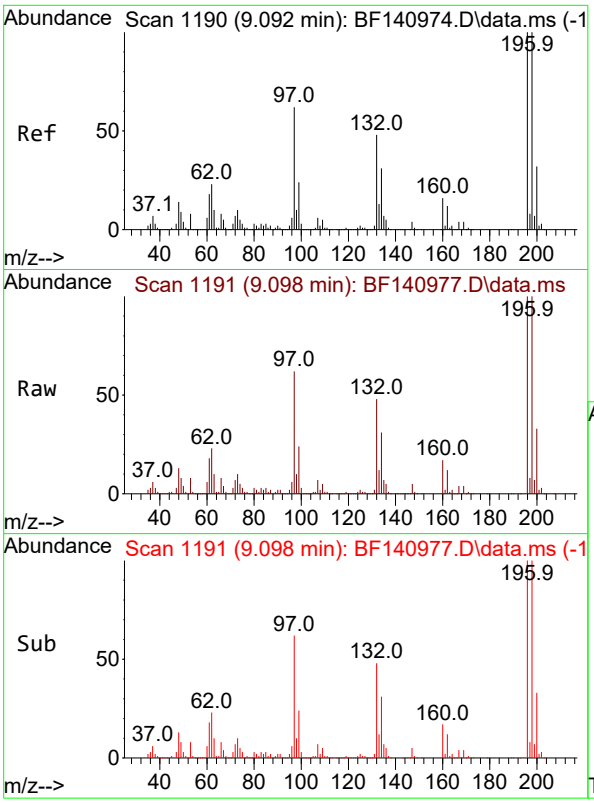


#42
2,4,6-Tribromophenol
Concen: 134.323 ng
RT: 10.657 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:330 Resp: 822230

Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.0	117.0
141	30.3	26.4	39.6



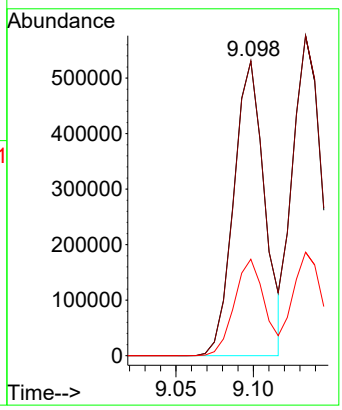


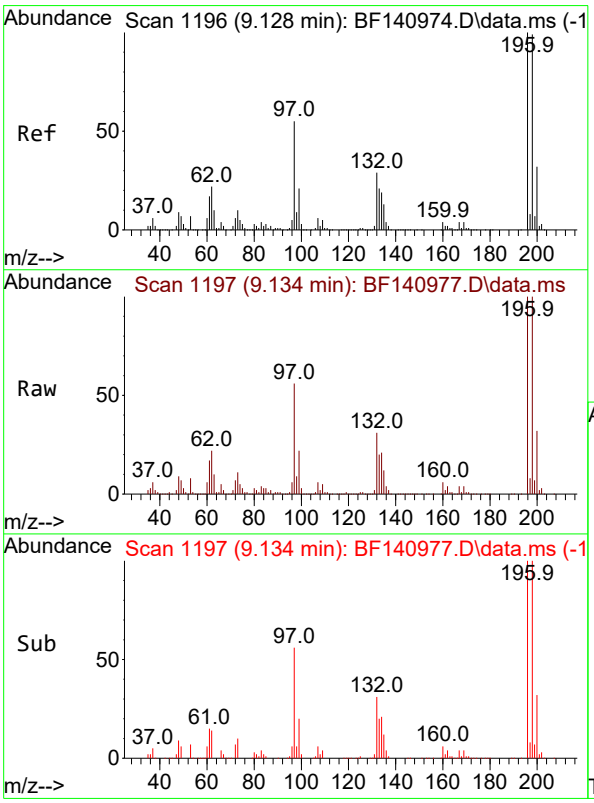
#43
2,4,6-Trichlorophenol
Concen: 75.318 ng
RT: 9.098 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 733660

Ion	Ratio	Lower	Upper
196	100		
198	100.1	80.2	120.4
200	32.7	25.8	38.6

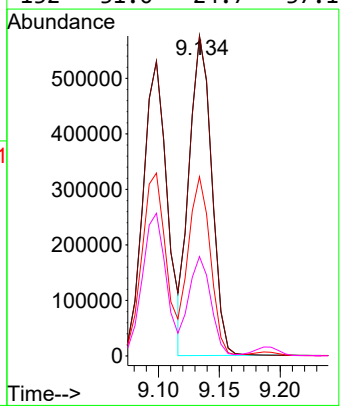


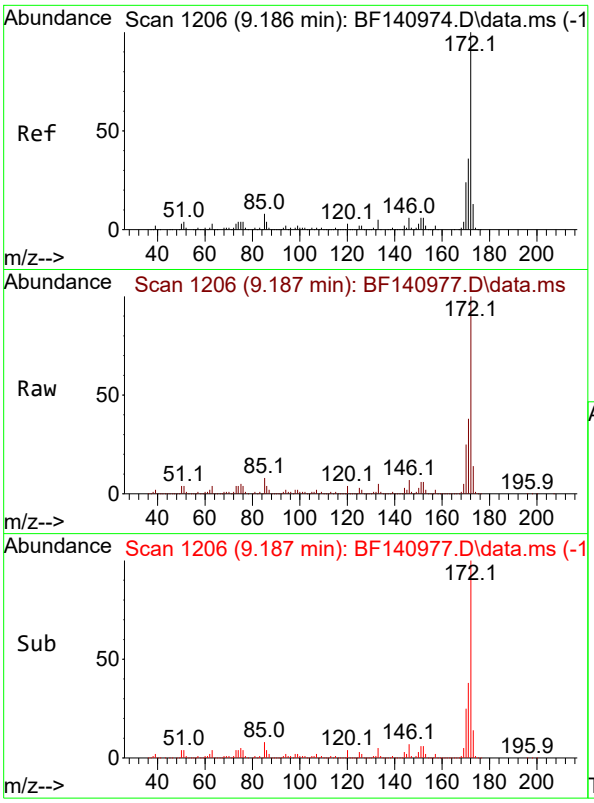


#44
2,4,5-Trichlorophenol
Concen: 68.710 ng
RT: 9.134 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:196 Resp: 735644

Ion	Ratio	Lower	Upper
196	100		
198	100.0	79.9	119.9
97	56.0	44.3	66.5
132	31.0	24.7	37.1



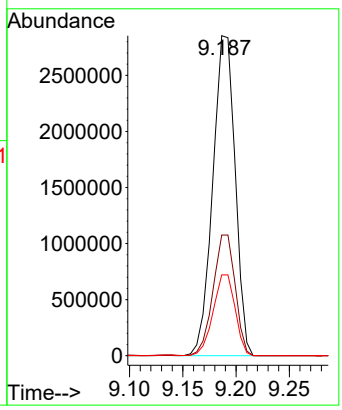


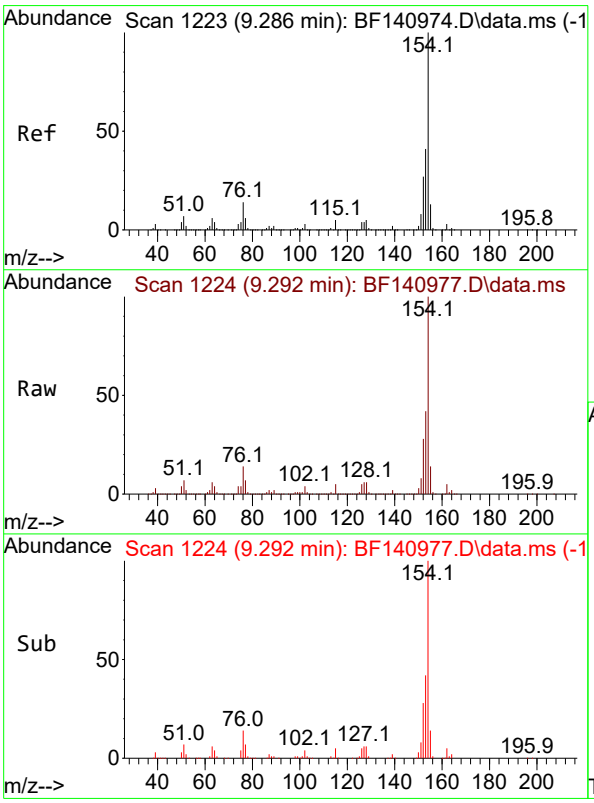
#45
2-Fluorobiphenyl
Concen: 110.669 ng
RT: 9.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 4166122

Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.0	43.4
170	25.2	19.6	29.4

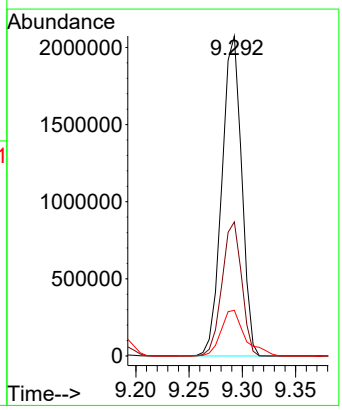


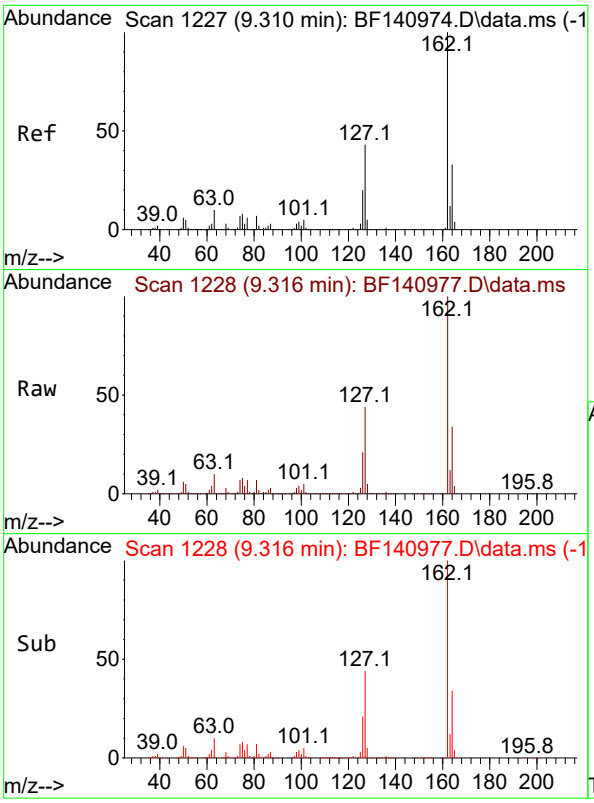


#46
1,1'-Biphenyl
Concen: 64.924 ng
RT: 9.292 min Scan# 1224
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:154 Resp: 2671996

Ion	Ratio	Lower	Upper
154	100		
153	41.9	20.9	60.9
76	14.2	0.0	34.0



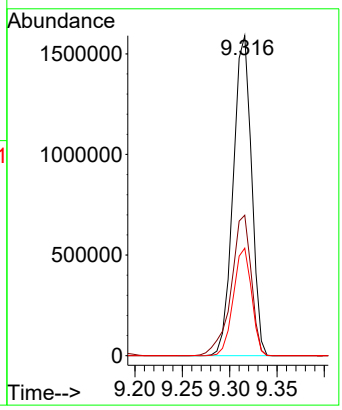


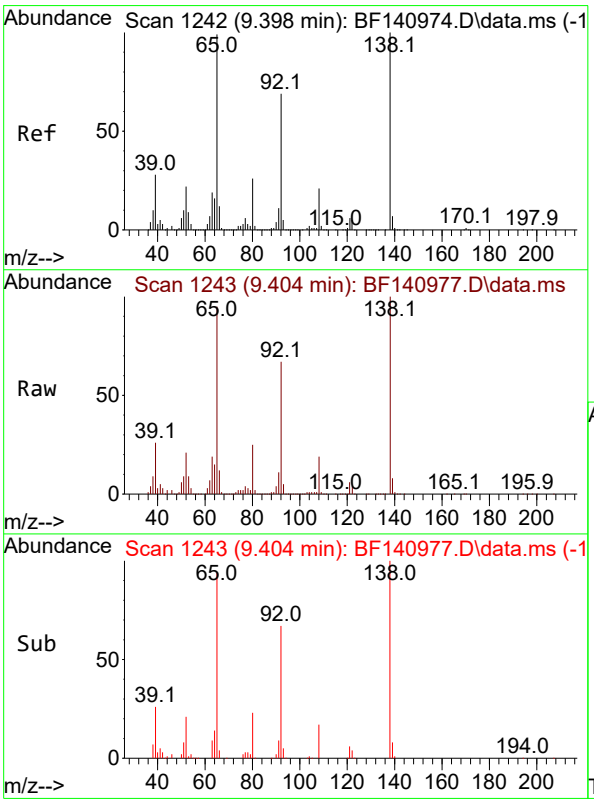
#47
2-Chloronaphthalene
Concen: 67.793 ng
RT: 9.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 2134444

Ion	Ratio	Lower	Upper
162	100		
127	43.9	34.2	51.4
164	33.6	26.6	40.0

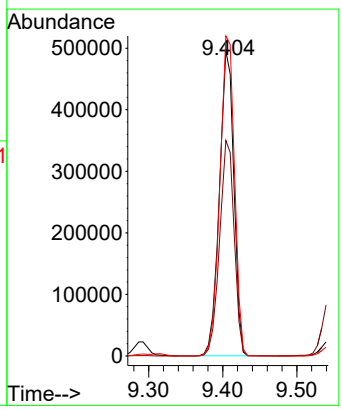


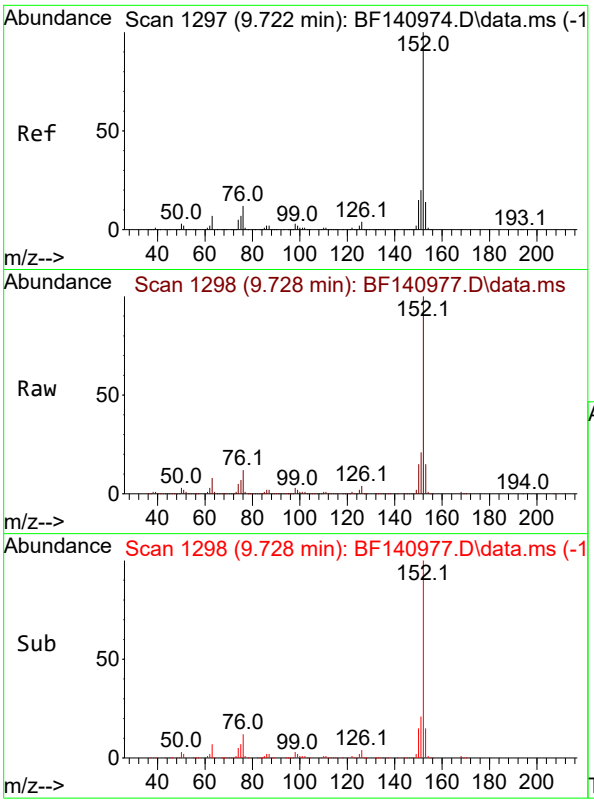


#48
2-Nitroaniline
Concen: 70.712 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 65 Resp: 672379

Ion	Ratio	Lower	Upper
65	100		
92	70.7	55.6	83.4
138	104.9	80.5	120.7



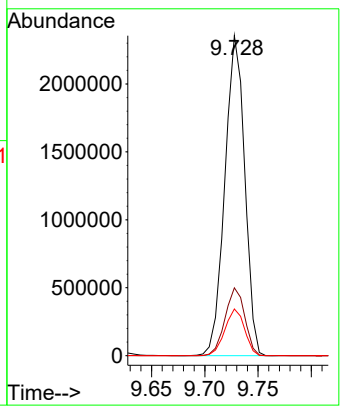


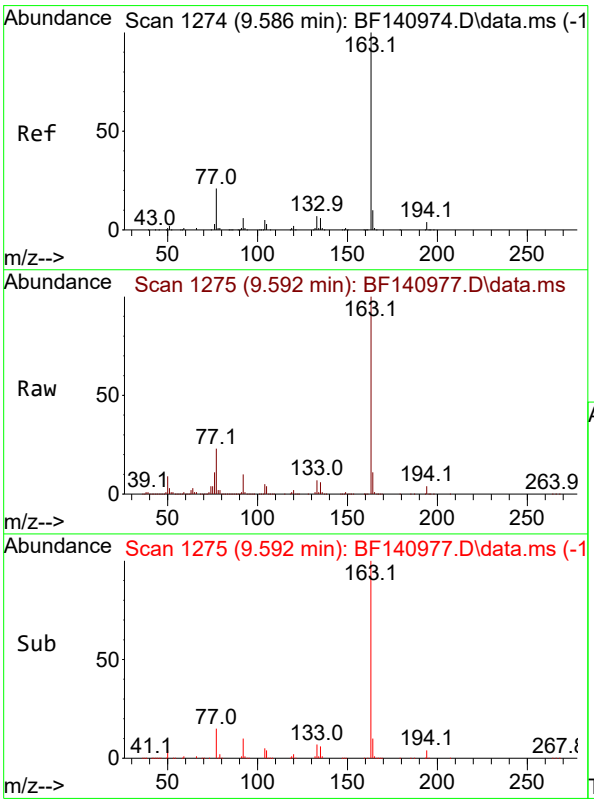
#49
Acenaphthylene
Concen: 66.109 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 3058781

Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.2	24.4
153	14.6	11.4	17.0

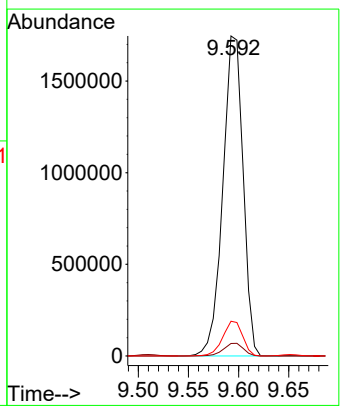


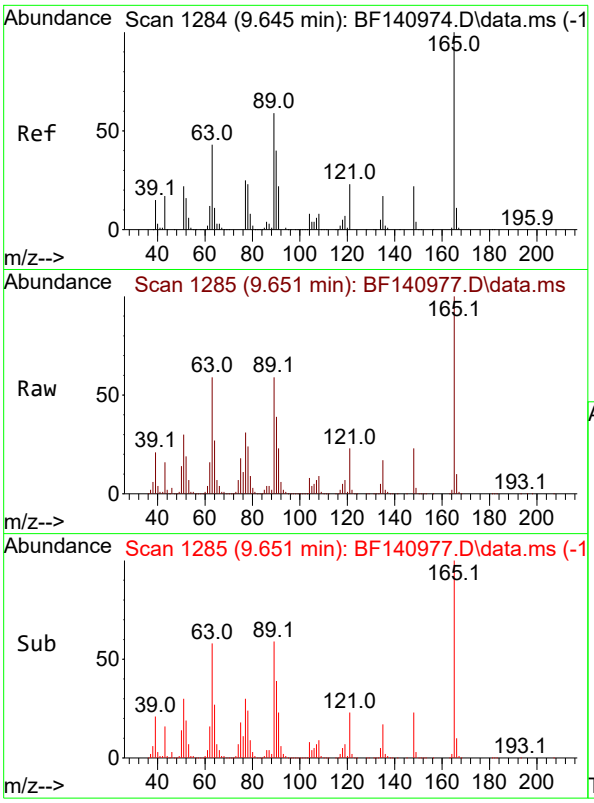


#50
Dimethylphthalate
Concen: 67.276 ng
RT: 9.592 min Scan# 1275
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:163 Resp: 2454844

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.9	8.3	12.5



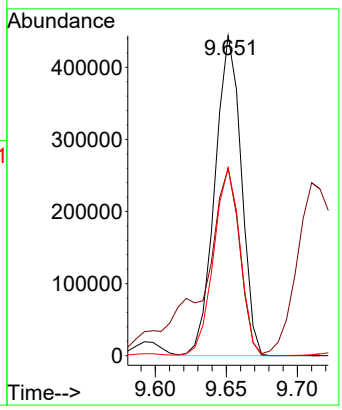


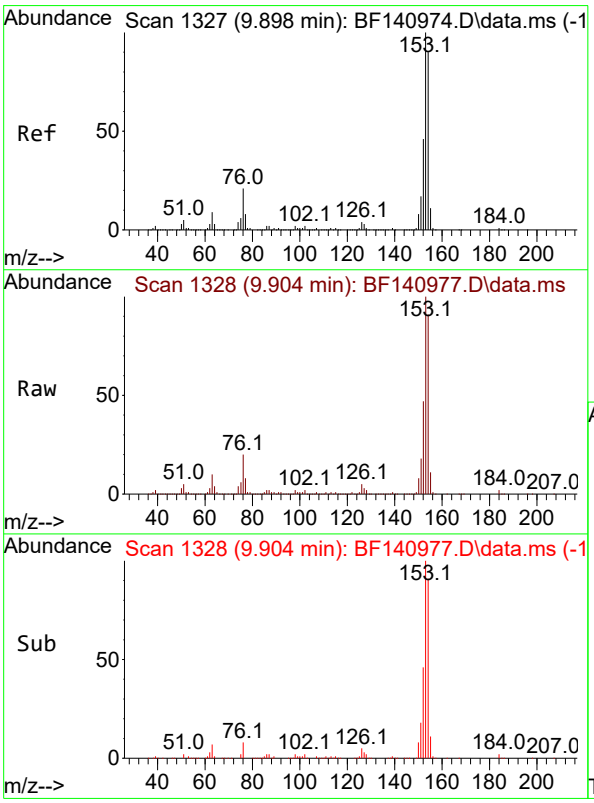
#51
2,6-Dinitrotoluene
Concen: 68.528 ng
RT: 9.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 571642

Ion	Ratio	Lower	Upper
165	100		
63	58.6	47.1	70.7
89	58.7	47.0	70.4

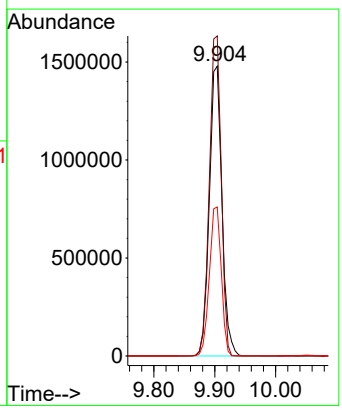


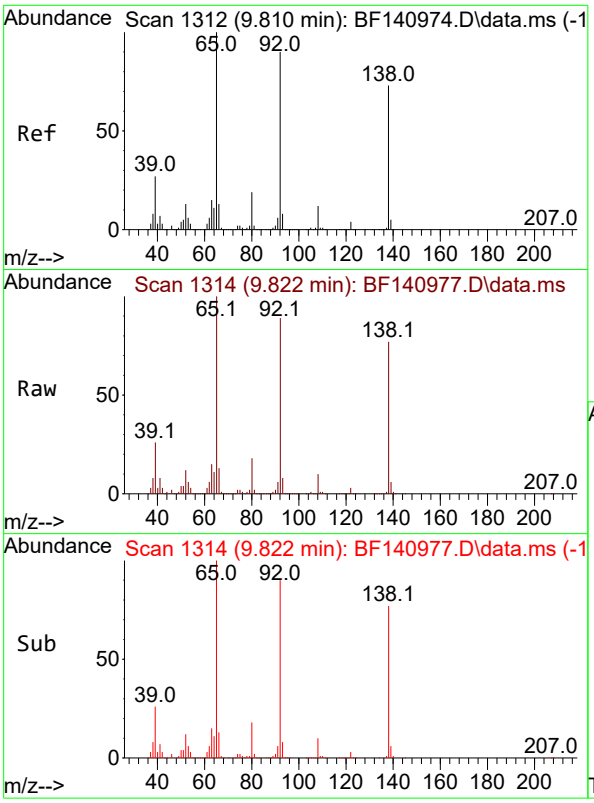


#52
Acenaphthene
Concen: 71.904 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:154 Resp: 2125174

Ion	Ratio	Lower	Upper
154	100		
153	110.5	89.2	133.8
152	51.4	40.9	61.3



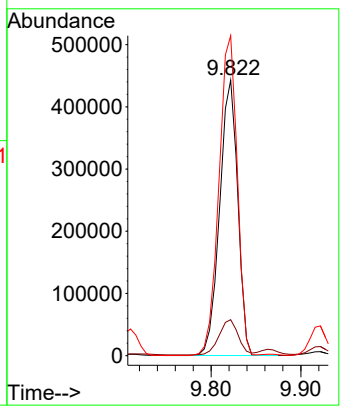


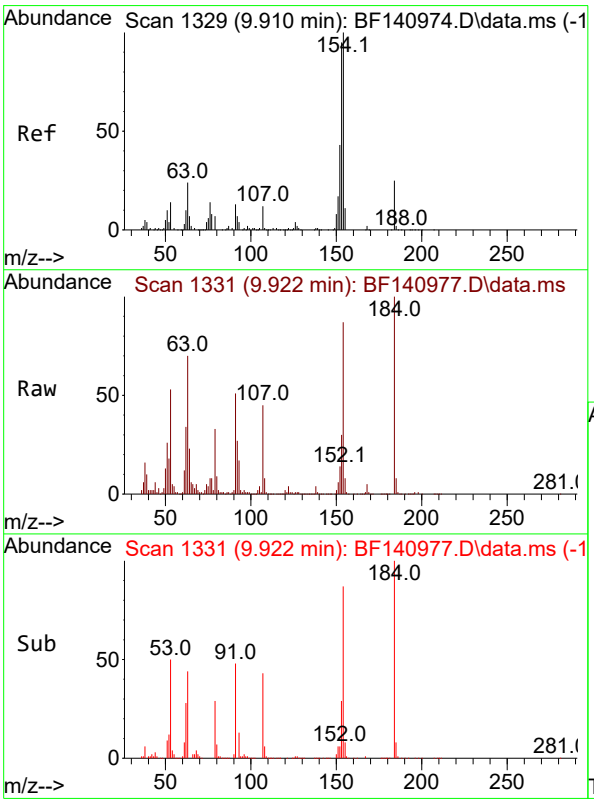
#53
3-Nitroaniline
Concen: 74.708 ng
RT: 9.822 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 618458

Ion	Ratio	Lower	Upper
138	100		
108	13.0	13.5	20.3#
92	116.1	97.7	146.5

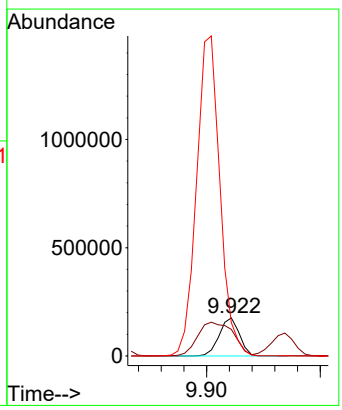


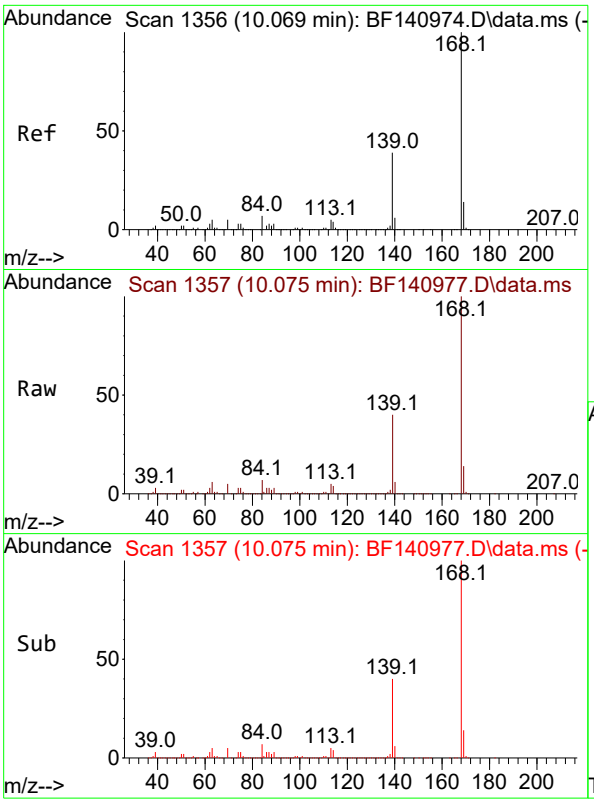


#54
2,4-Dinitrophenol
Concen: 63.643 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:184 Resp: 217487

Ion	Ratio	Lower	Upper
184	100		
63	69.9	81.6	122.4#
154	87.2	363.5	545.3#



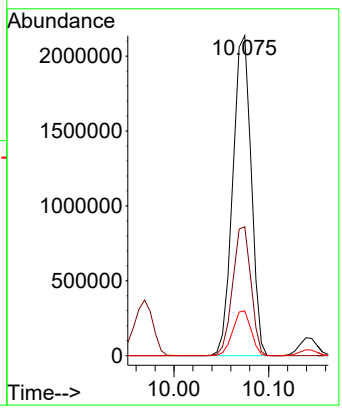


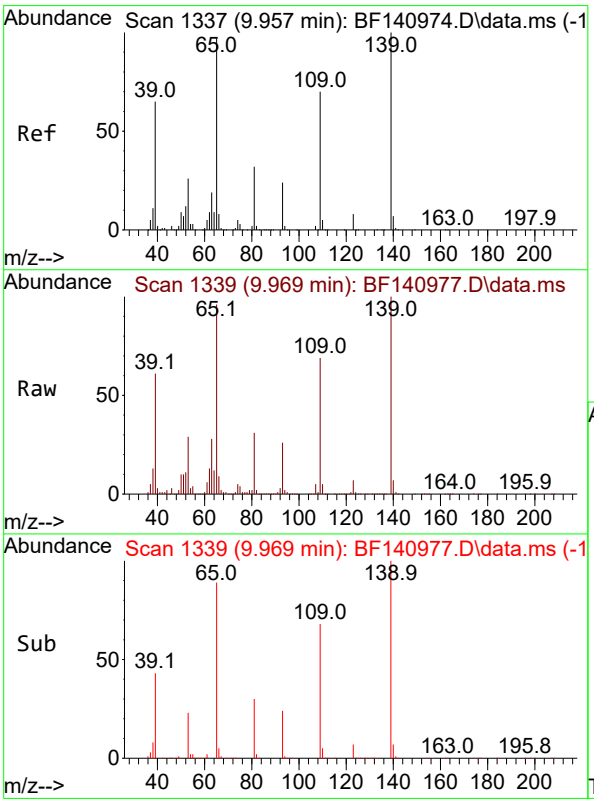
#55
Dibenzofuran
Concen: 62.804 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 2876315

Ion	Ratio	Lower	Upper
168	100		
139	40.3	31.6	47.4
169	14.0	11.0	16.6

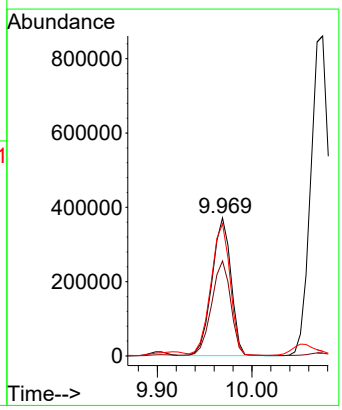


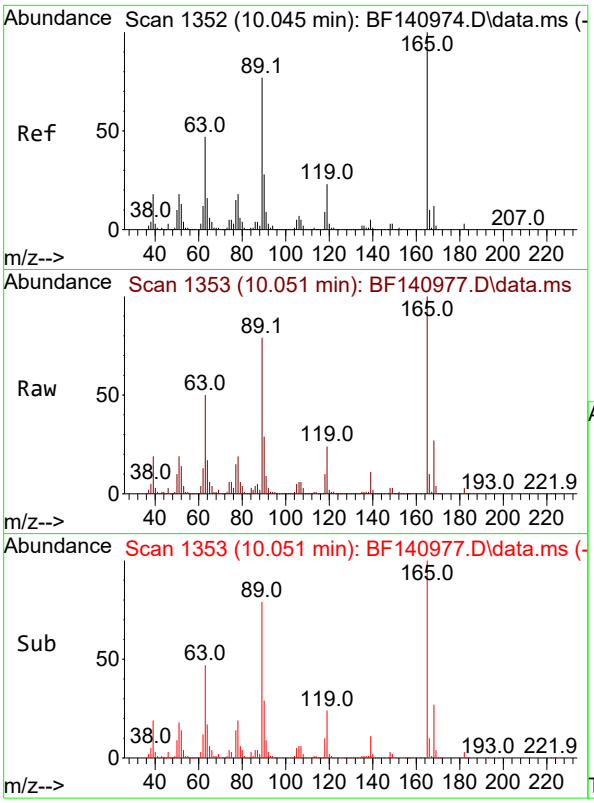


#56
4-Nitrophenol
Concen: 133.970 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:139 Resp: 520450

Ion	Ratio	Lower	Upper
139	100		
109	68.8	50.8	90.8
65	95.6	78.5	118.5



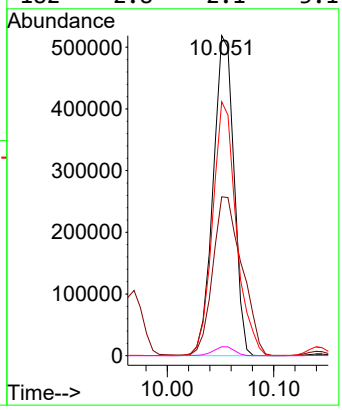


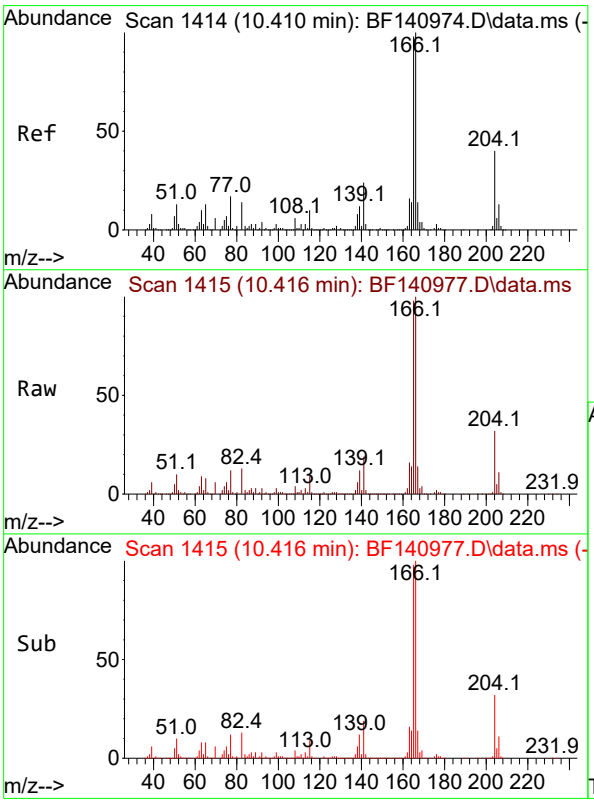
#57
2,4-Dinitrotoluene
Concen: 64.157 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 704156

Ion	Ratio	Lower	Upper
165	100		
63	49.6	38.1	57.1
89	79.3	61.4	92.2
182	2.8	2.1	3.1

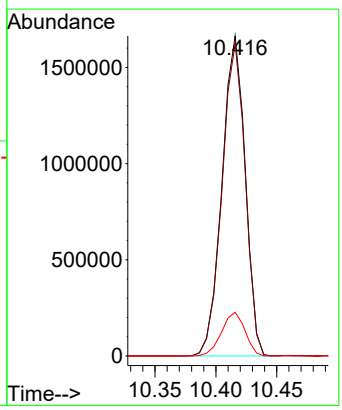


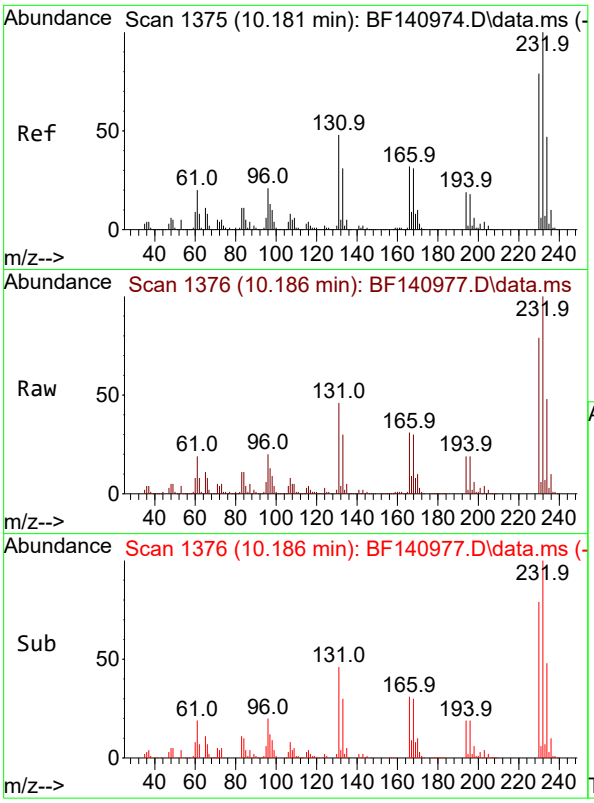


#58
Fluorene
Concen: 58.351 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:166 Resp: 2204698

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.3	117.5
167	13.7	10.9	16.3



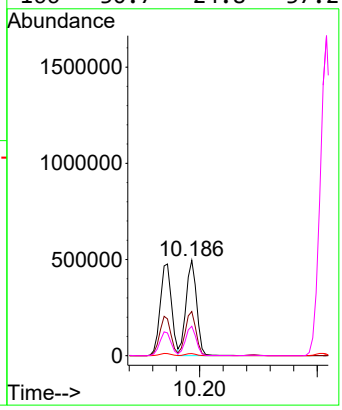


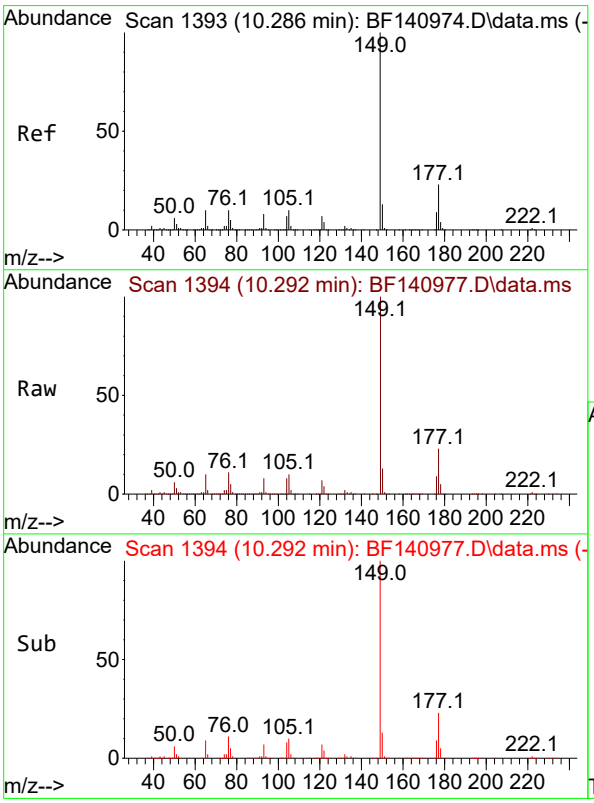
#59
2,3,4,6-Tetrachlorophenol
Concen: 71.636 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 624965

Ion	Ratio	Lower	Upper
232	100		
131	46.4	37.4	56.2
130	2.3	1.8	2.8
166	30.7	24.8	37.2

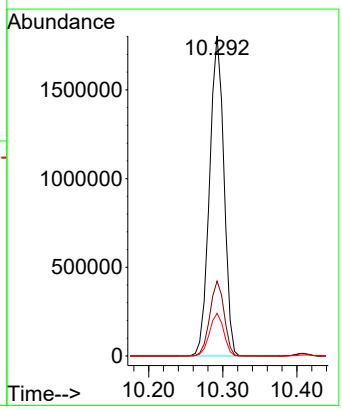


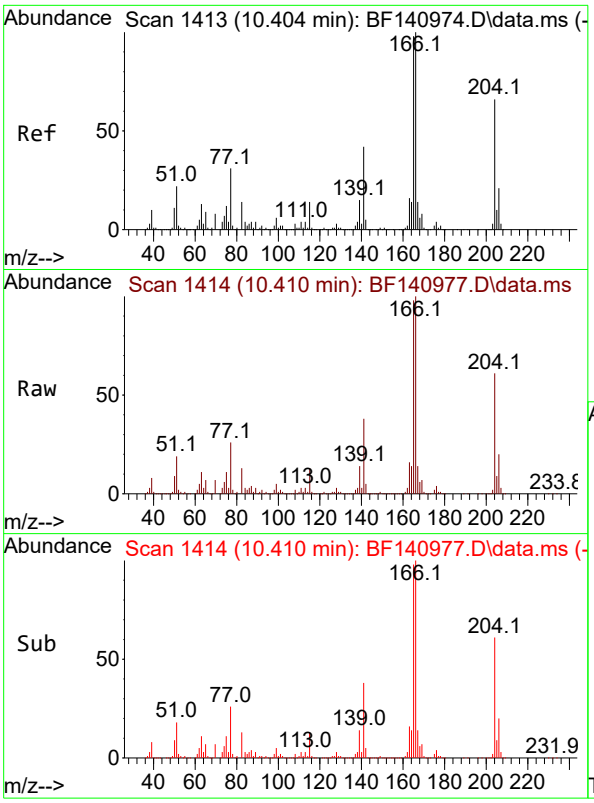


#60
Diethylphthalate
Concen: 64.262 ng
RT: 10.292 min Scan# 1394
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:149 Resp: 2431548

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.3	27.5
150	13.3	10.4	15.6



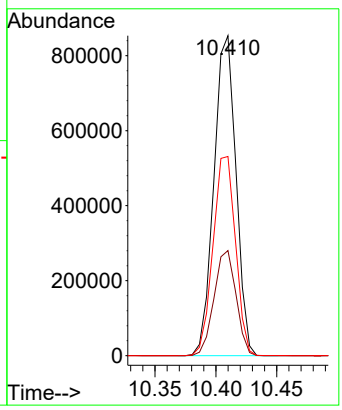


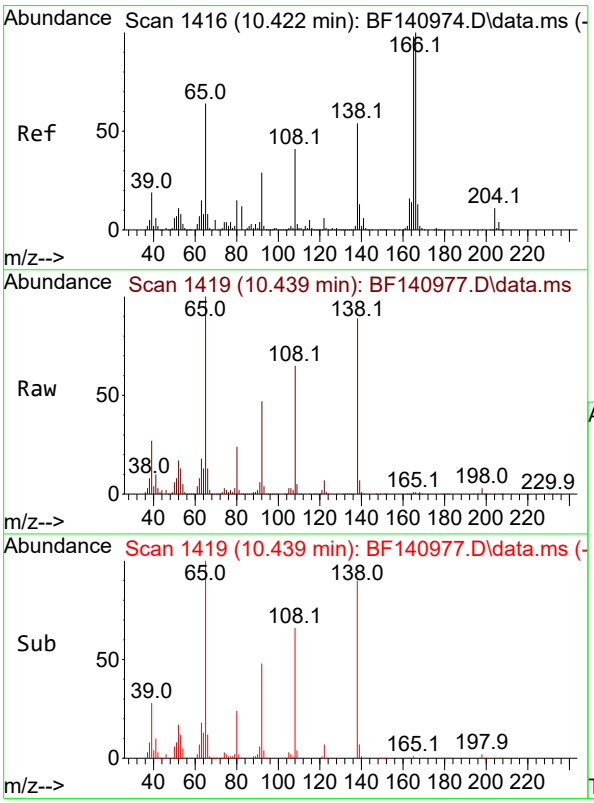
#61
4-Chlorophenyl-phenylether
Concen: 56.795 ng
RT: 10.410 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 1077930

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.8	38.6
141	62.2	51.2	76.8

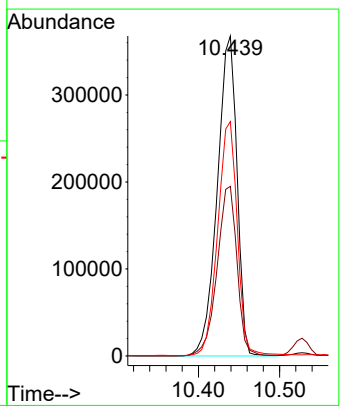


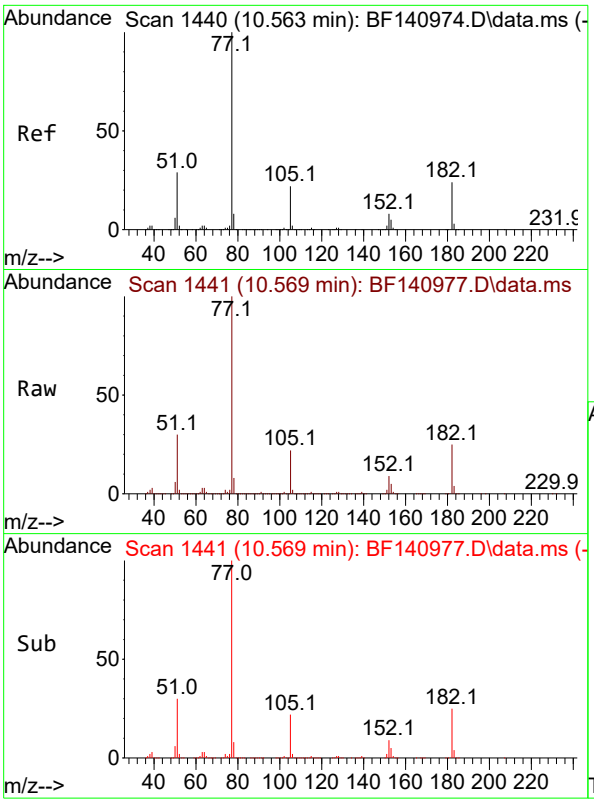


#62
4-Nitroaniline
Concen: 71.914 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.018 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:138 Resp: 622110

Ion	Ratio	Lower	Upper
138	100		
92	53.0	34.8	74.8
108	73.2	55.9	95.9



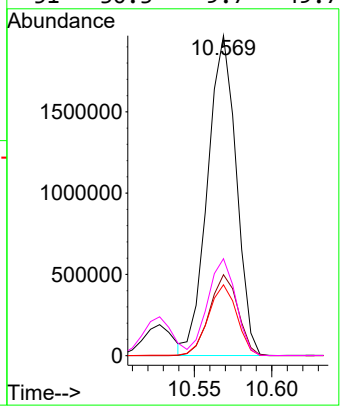


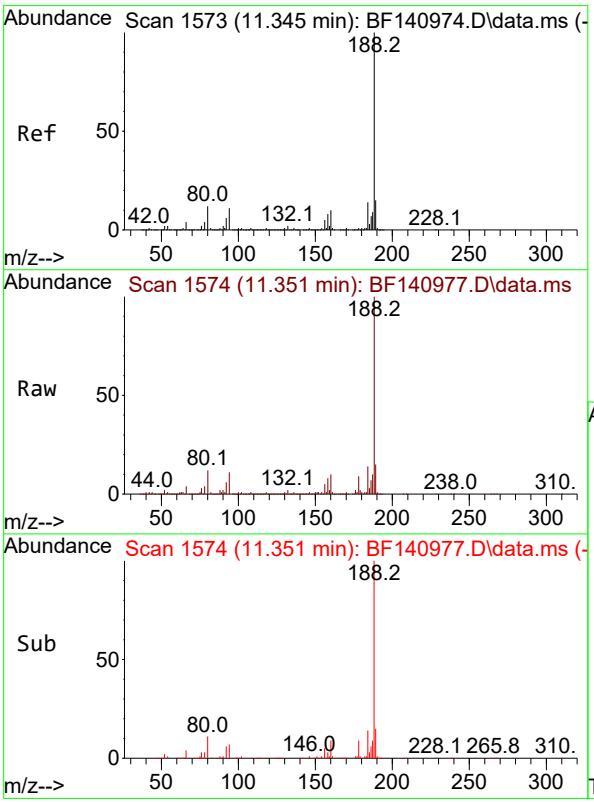
#63
Azobenzene
Concen: 71.004 ng
RT: 10.569 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 2525786

Ion	Ratio	Lower	Upper
77	100		
182	25.3	4.1	44.1
105	22.2	1.8	41.8
51	30.3	9.7	49.7

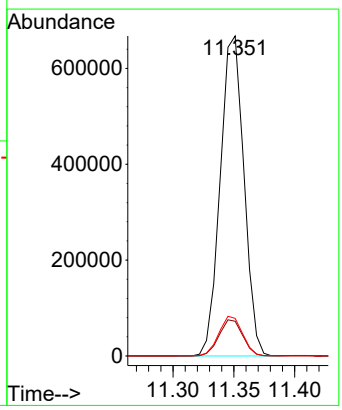


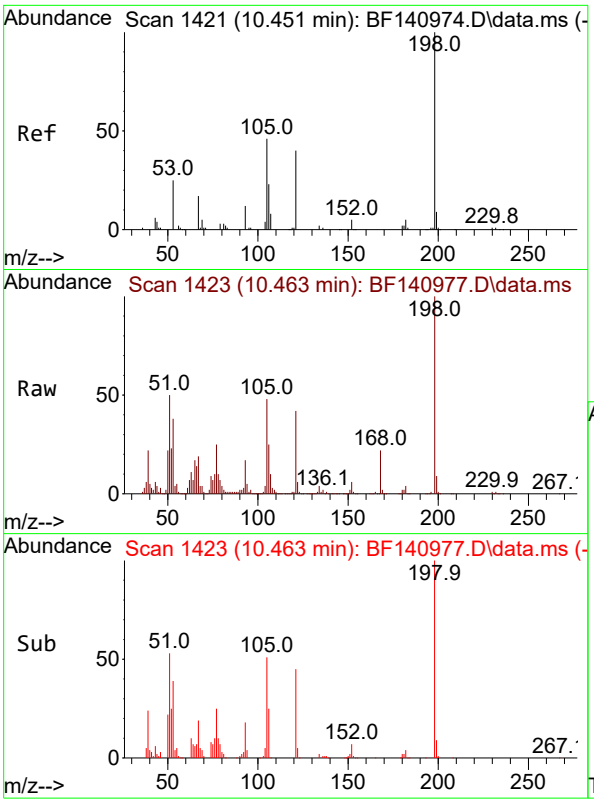


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:188 Resp: 905973

Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.0	13.6
80	11.7	9.8	14.6



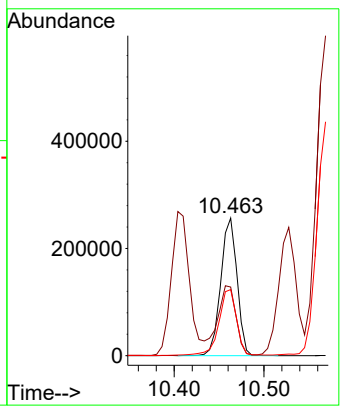


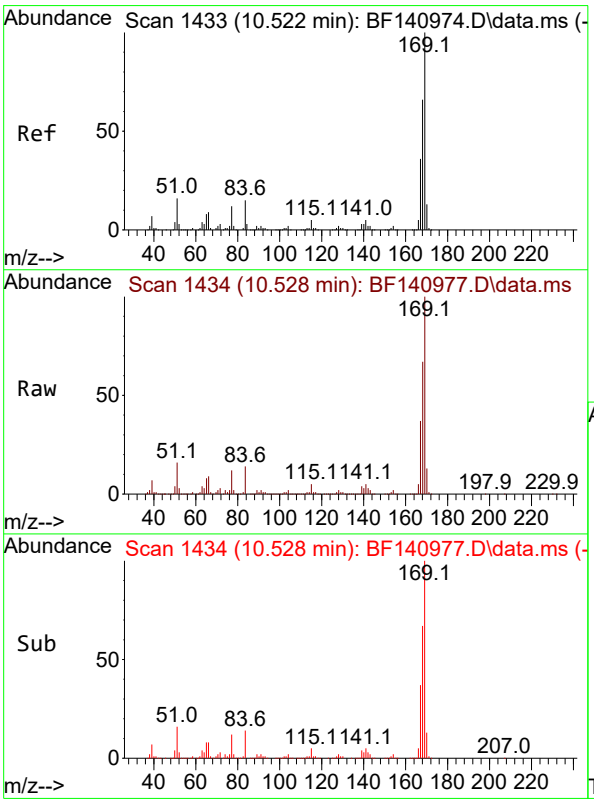
#65
4,6-Dinitro-2-methylphenol
Concen: 63.010 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 323476

Ion	Ratio	Lower	Upper
198	100		
51	49.9	32.3	72.3
105	48.0	28.4	68.4

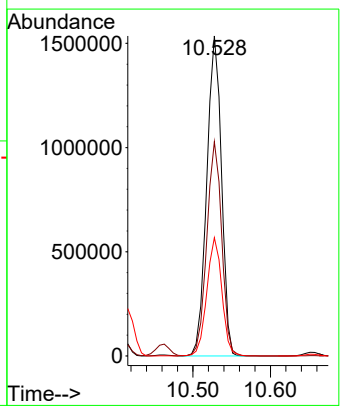


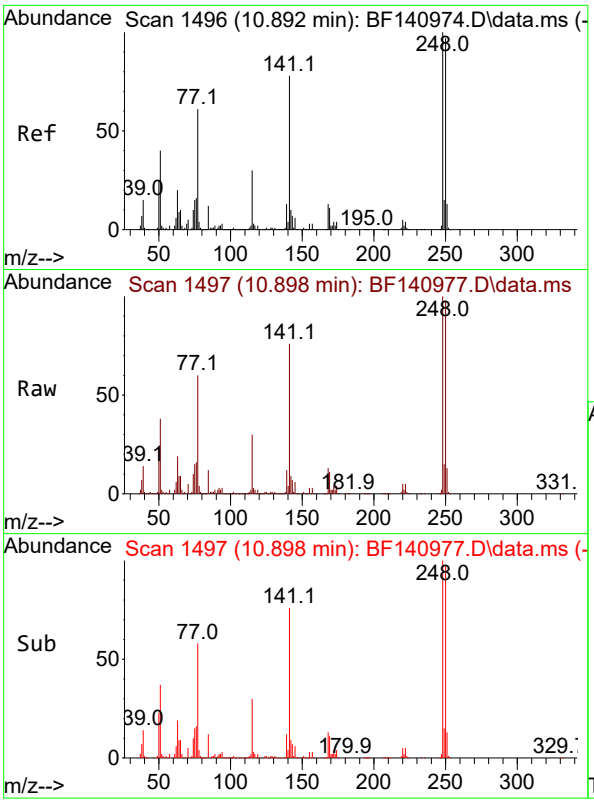


#66
n-Nitrosodiphenylamine
Concen: 72.606 ng
RT: 10.528 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:169 Resp: 2022411

Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.6	79.0
167	36.9	29.0	43.4



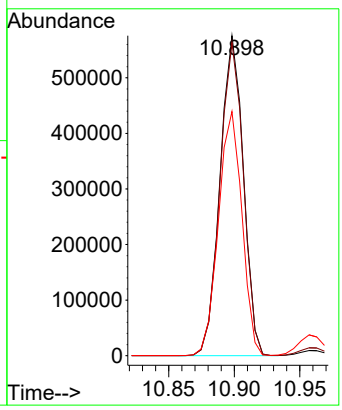


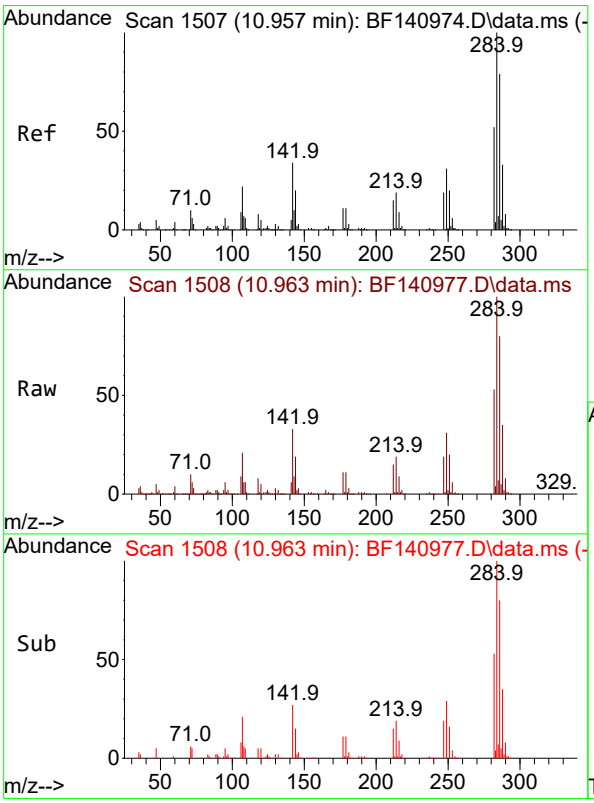
#67
4-Bromophenyl-phenylether
Concen: 70.427 ng
RT: 10.898 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 713807

Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.7	116.5
141	76.3	62.1	93.1

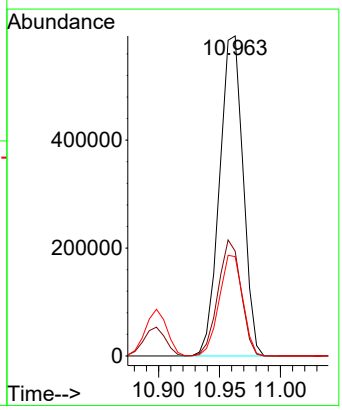


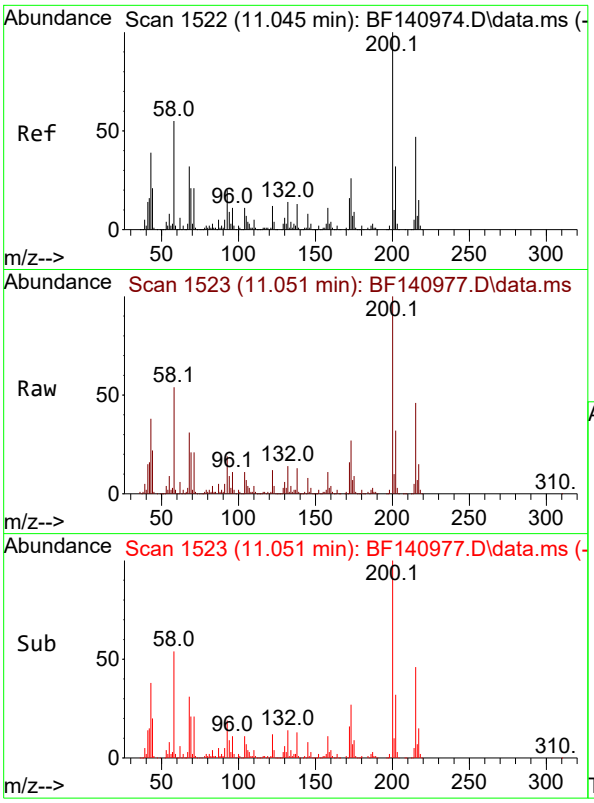


#68
Hexachlorobenzene
Concen: 69.515 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:284 Resp: 798823

Ion	Ratio	Lower	Upper
284	100		
142	32.8	27.1	40.7
249	31.0	25.1	37.7



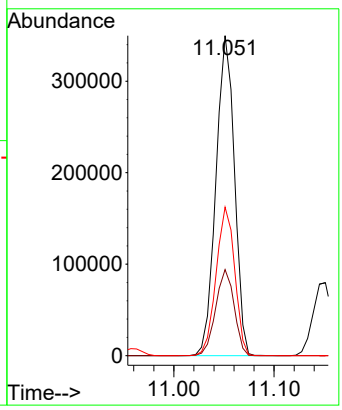


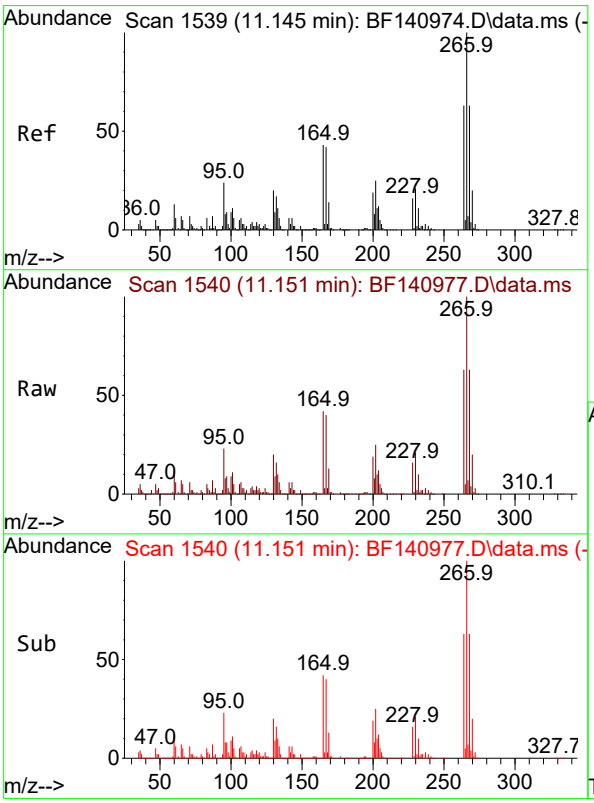
#69
Atrazine
Concen: 57.708 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 448938

Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.4	46.4
215	46.4	27.2	67.2

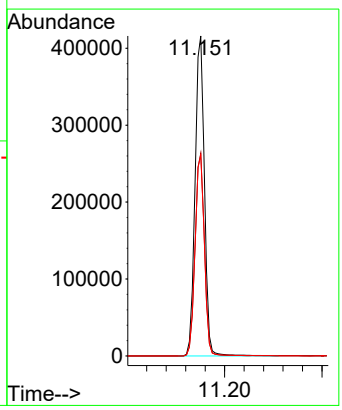


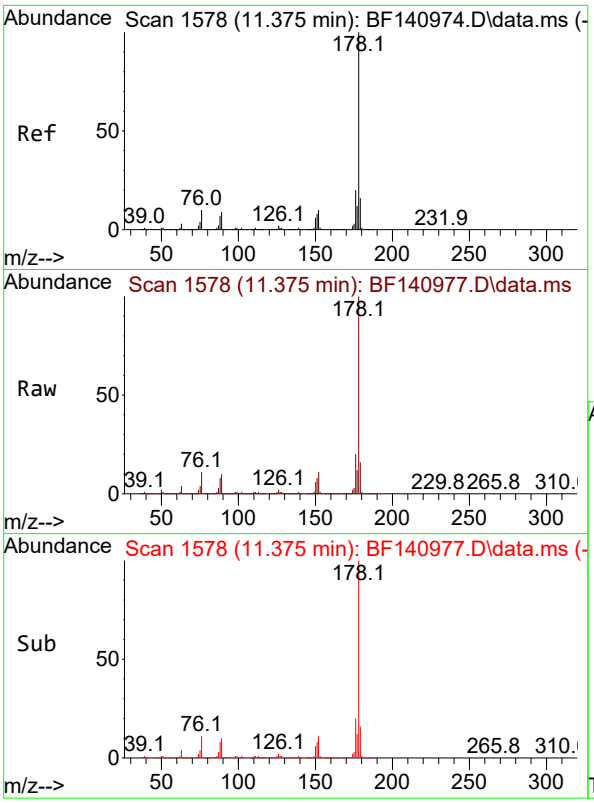


#70
Pentachlorophenol
Concen: 133.227 ng
RT: 11.151 min Scan# 1540
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:266 Resp: 559728

Ion	Ratio	Lower	Upper
266	100		
268	63.3	50.5	75.7
264	62.9	50.2	75.4



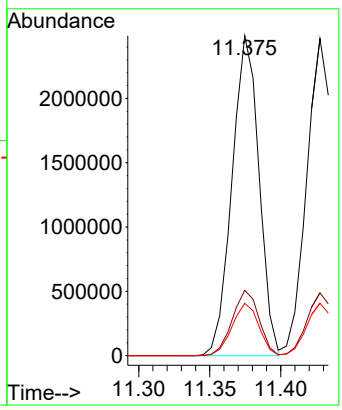


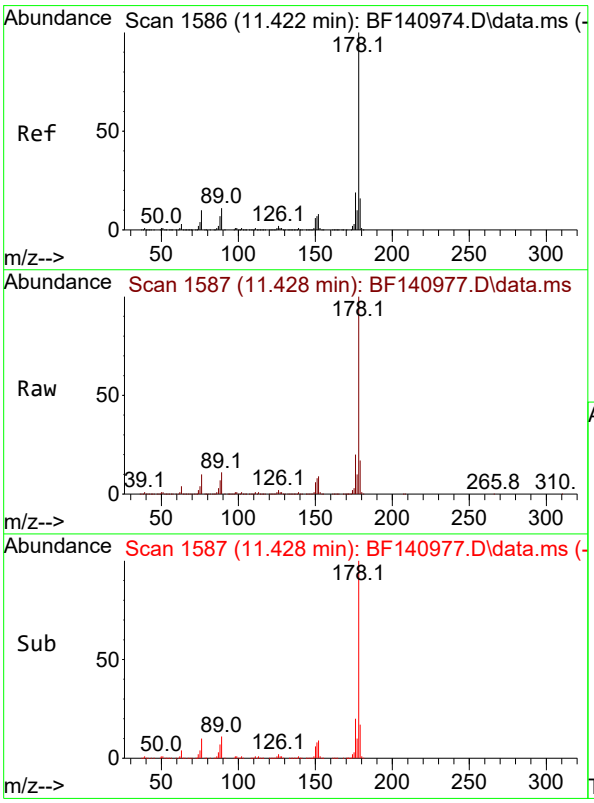
#71
Phenanthrene
Concen: 70.538 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 3286287

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.6
179	16.4	12.6	19.0

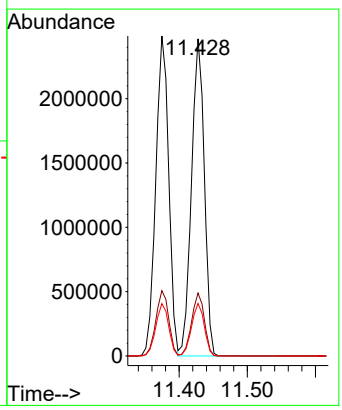


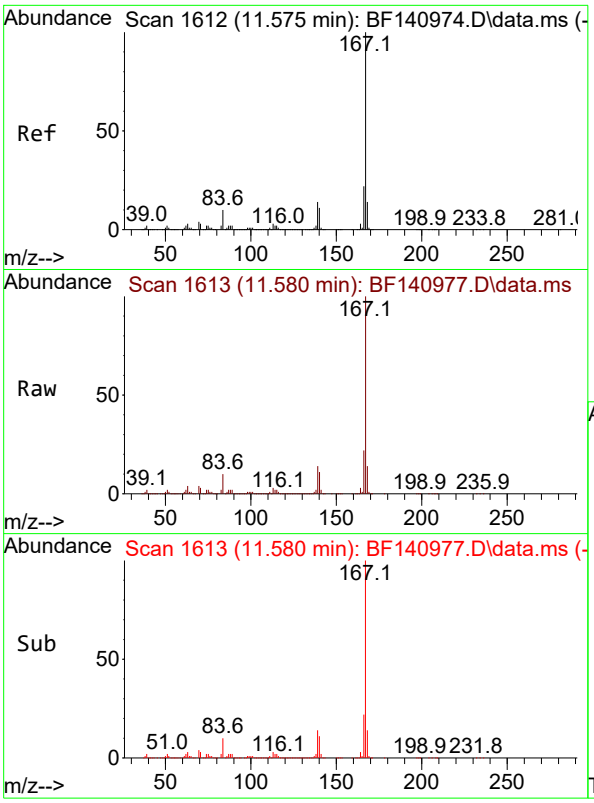


#72
Anthracene
Concen: 69.836 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:178 Resp: 3204142

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.3	22.9
179	16.6	12.9	19.3



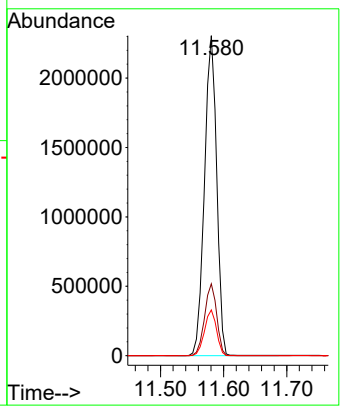


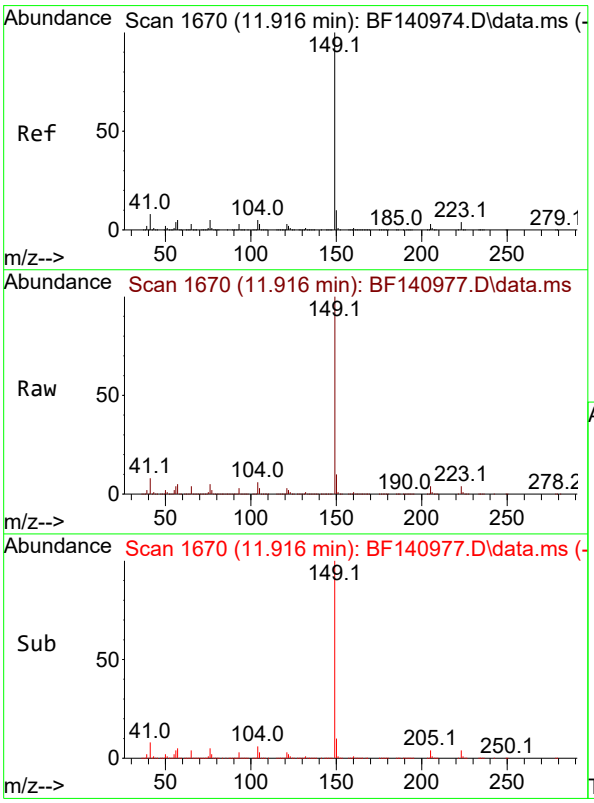
#73
Carbazole
Concen: 69.081 ng
RT: 11.580 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 3104460

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.5	26.3
139	14.3	11.0	16.4

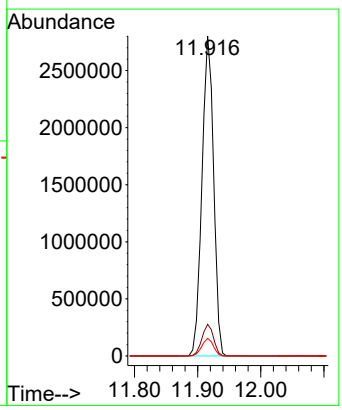


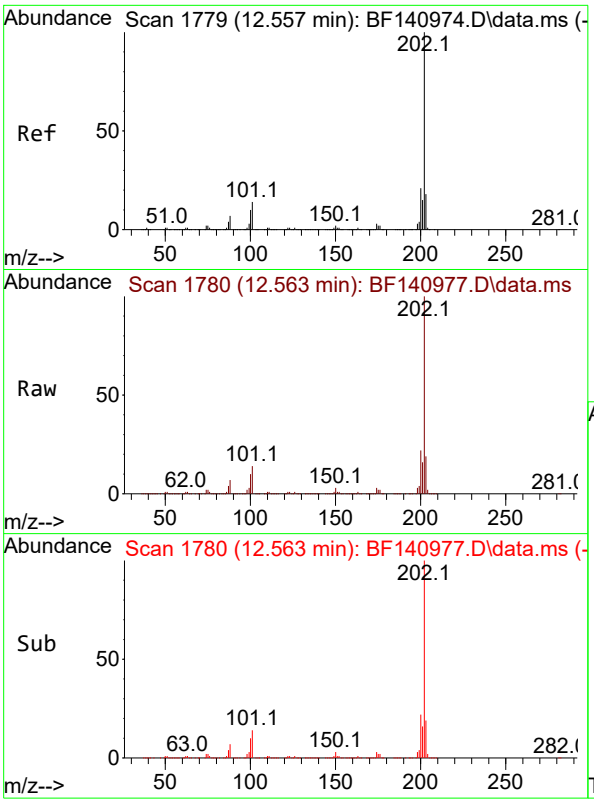


#74
Di-n-butylphthalate
Concen: 68.025 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:149 Resp: 3587776

Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.7	11.5
104	5.5	4.1	6.1



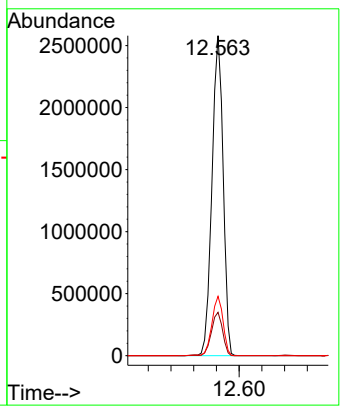


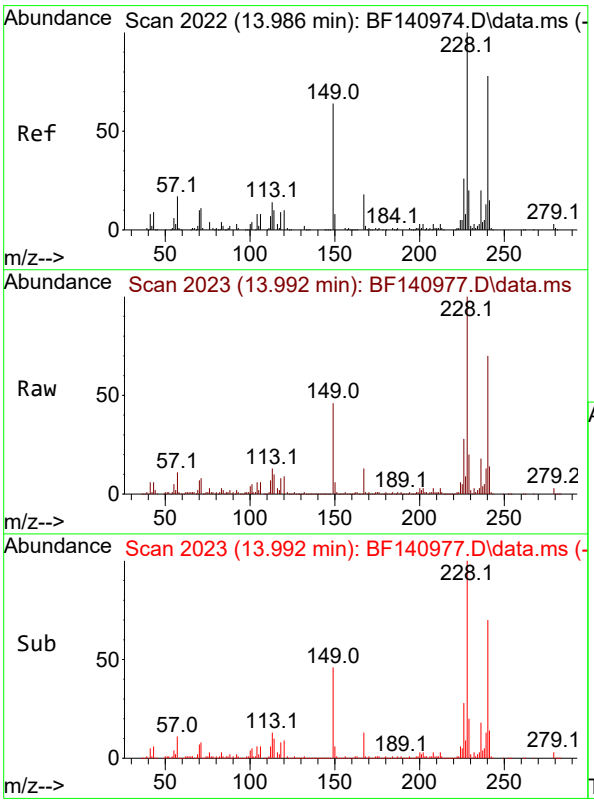
#75
Fluoranthene
Concen: 65.239 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 3500378

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.7
203	18.6	0.0	38.1

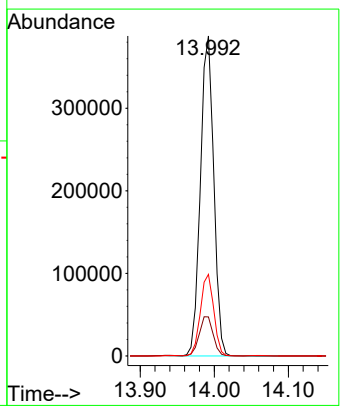


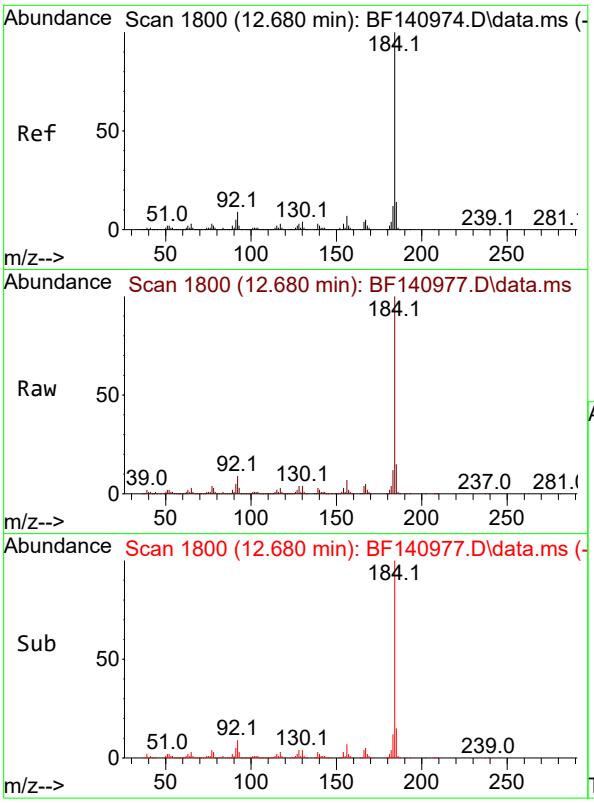


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:240 Resp: 487461

Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.7	16.1
236	25.5	20.6	31.0



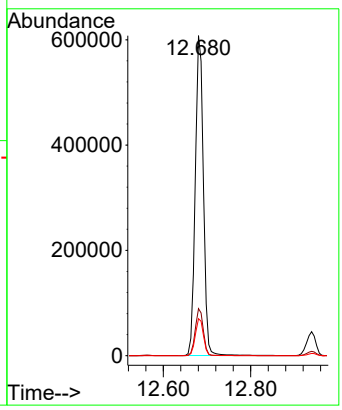


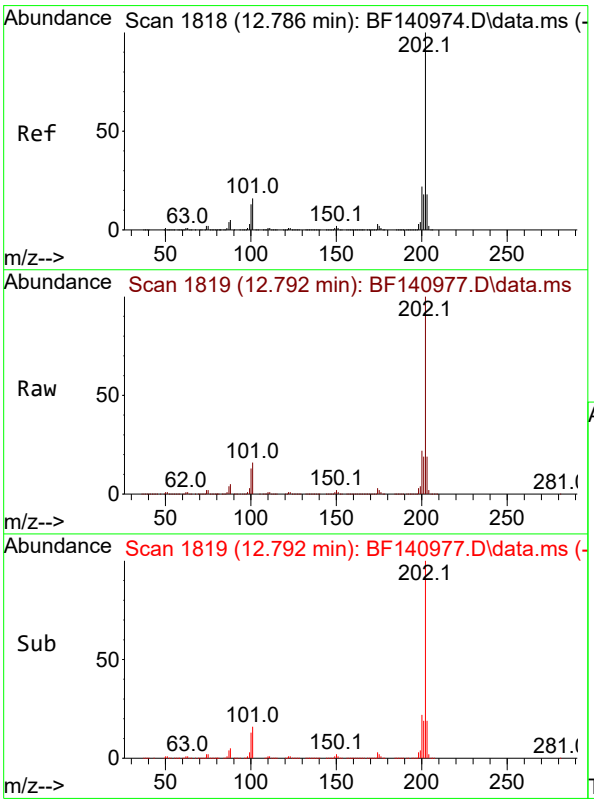
#77
Benzidine
Concen: 78.772 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 783695

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.4	17.2
183	11.6	9.4	14.0

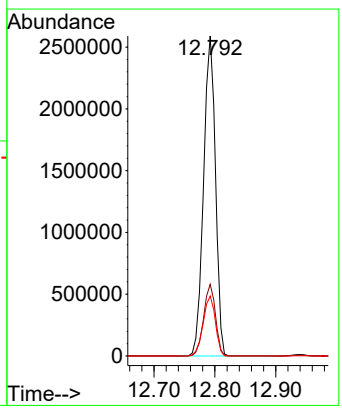


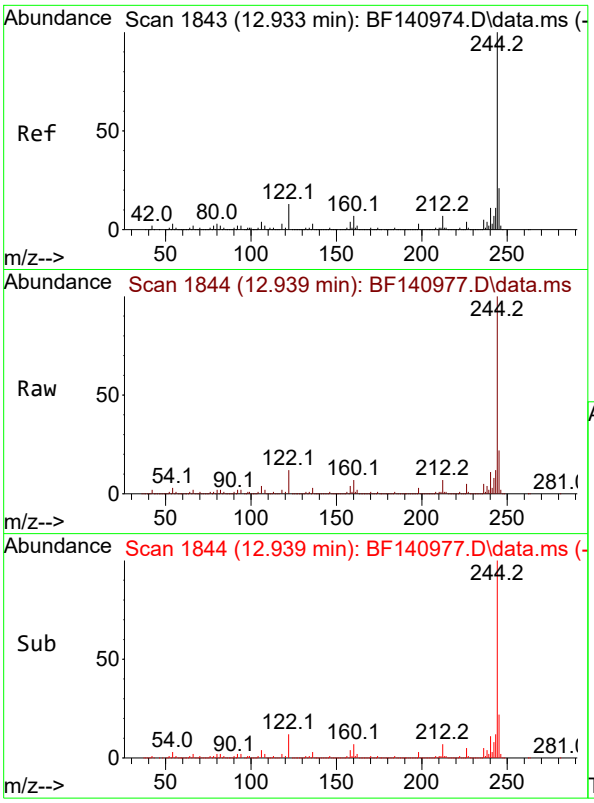


#78
Pyrene
Concen: 81.080 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:202 Resp: 3514654

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.3	25.9
203	18.8	14.6	21.8



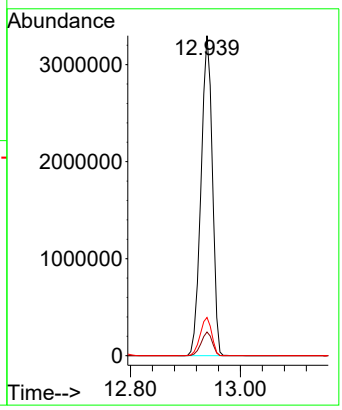


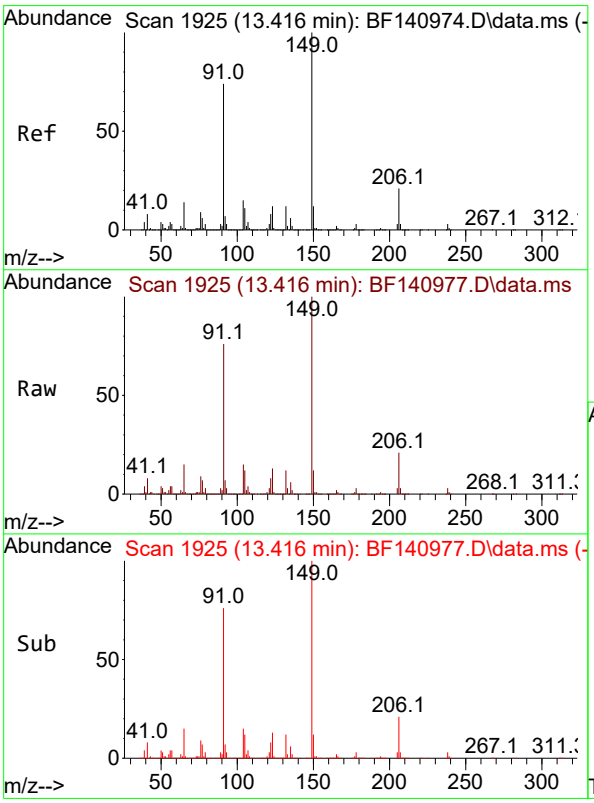
#79
Terphenyl-d14
Concen: 152.545 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 4715646

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.7	8.5
122	12.0	10.2	15.2

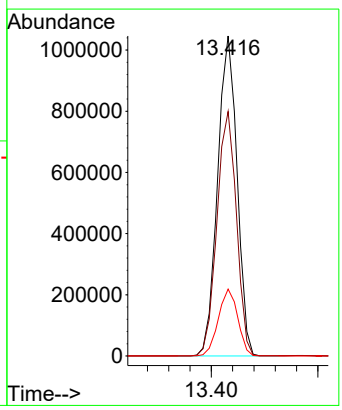


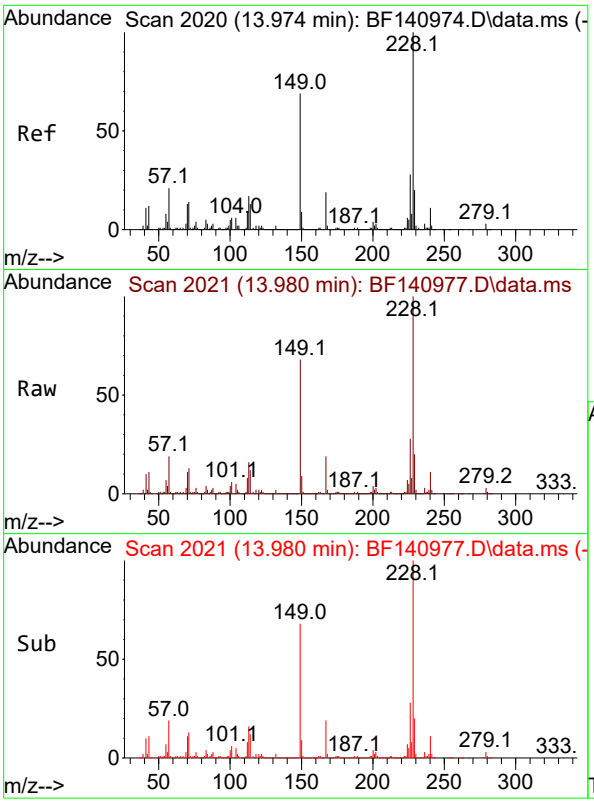


#80
Butylbenzylphthalate
Concen: 82.979 ng
RT: 13.416 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:149 Resp: 1323506

Ion	Ratio	Lower	Upper
149	100		
91	76.4	59.5	89.3
206	20.9	17.1	25.7



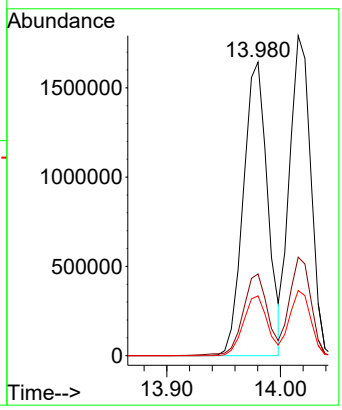


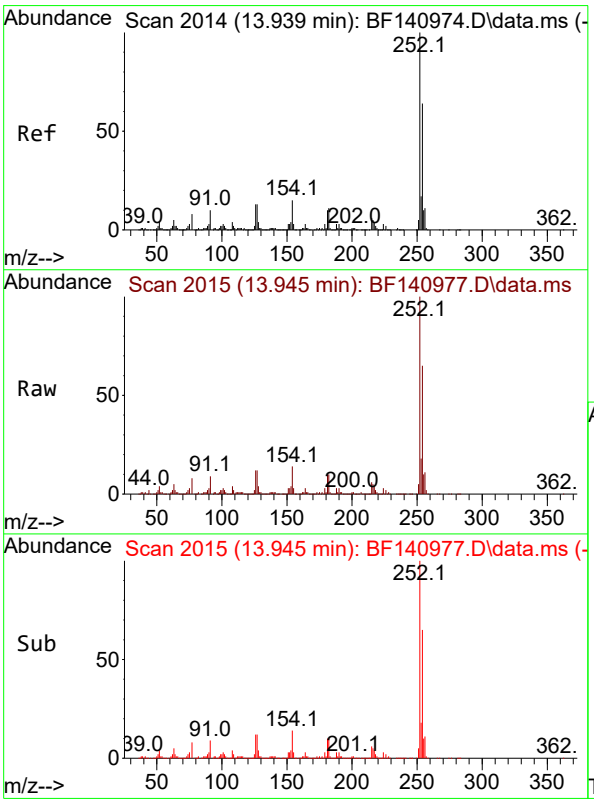
#81
Benzo(a)anthracene
Concen: 70.630 ng
RT: 13.980 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 2440118

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	20.4	16.2	24.2

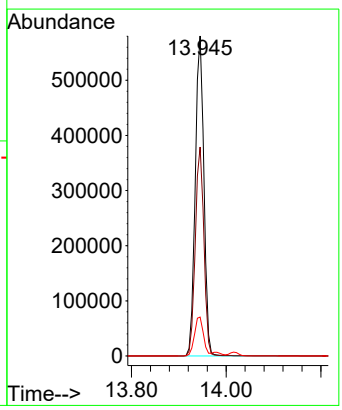


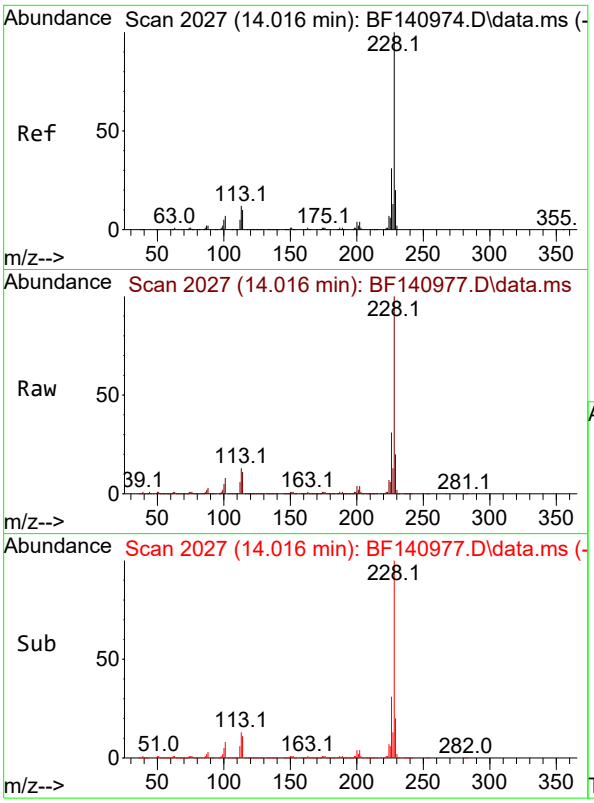


#82
3,3'-Dichlorobenzidine
Concen: 70.578 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:252 Resp: 735658

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.5	77.3
126	12.2	10.3	15.5



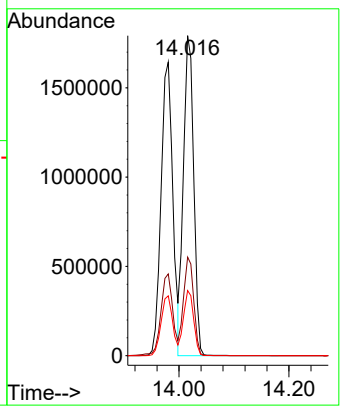


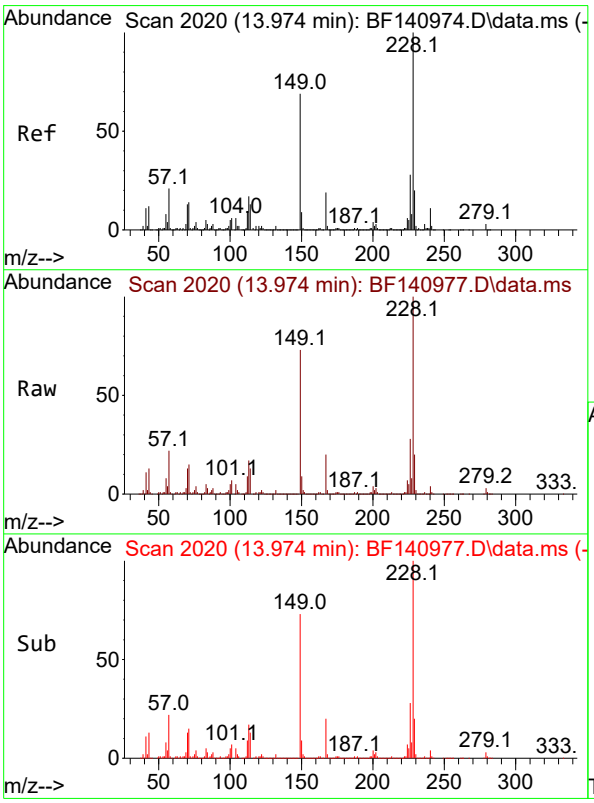
#83
Chrysene
Concen: 73.887 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 2321200

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.5	36.7
229	20.4	16.2	24.4

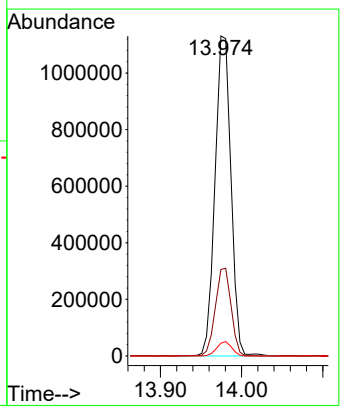


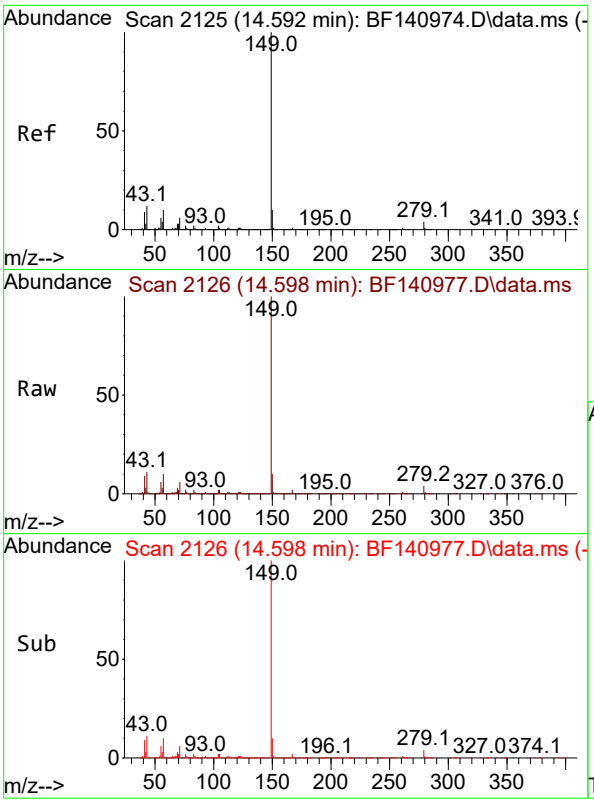


#84
Bis(2-ethylhexyl)phthalate
Concen: 75.152 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:149 Resp: 1545595

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.6	32.4
279	4.0	3.2	4.8



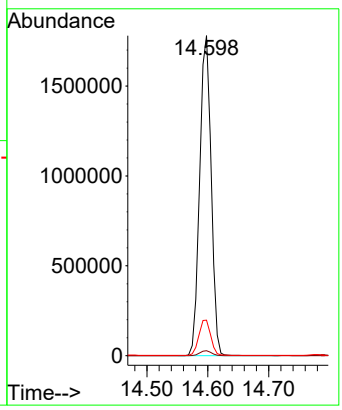


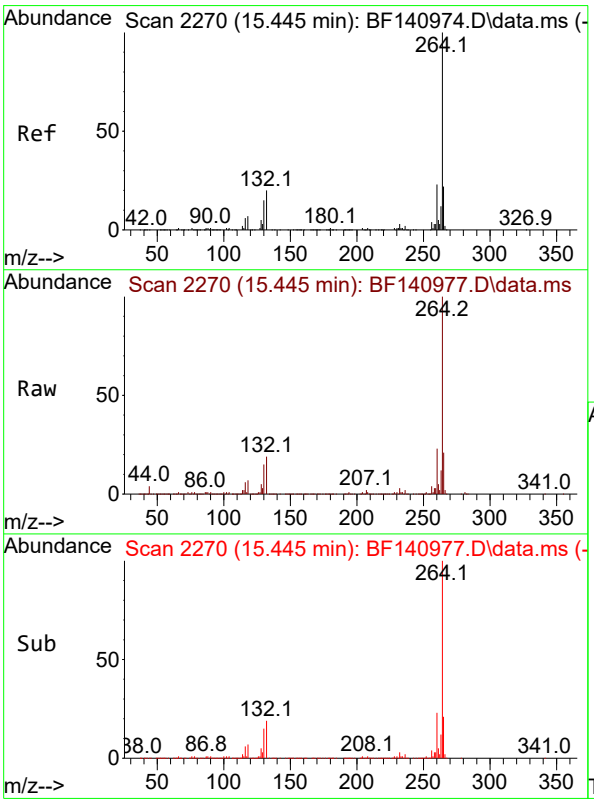
#85
Di-n-octyl phthalate
Concen: 74.636 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 2322268

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.5	9.3	13.9

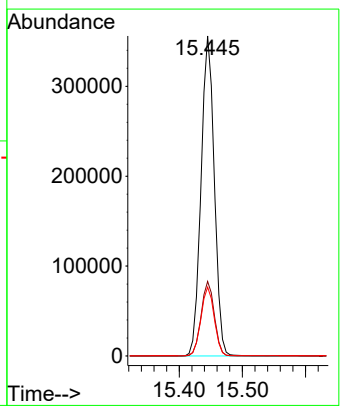


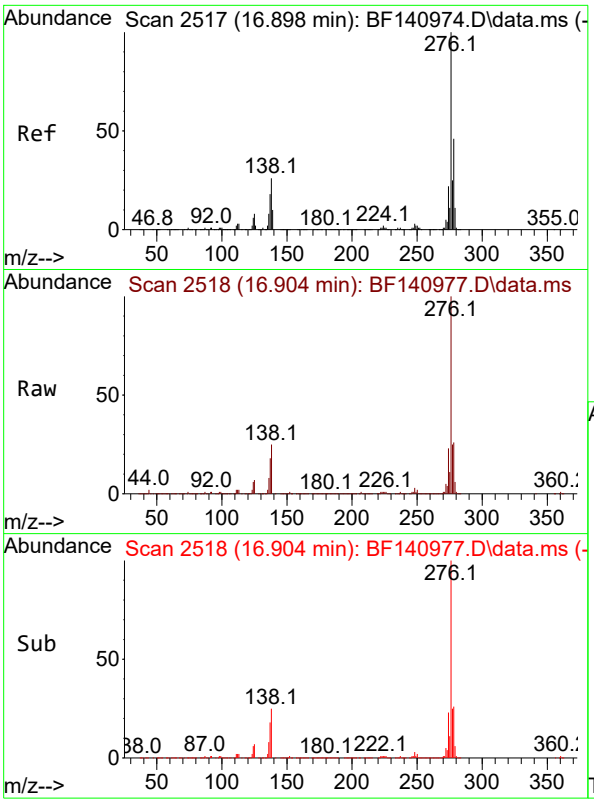


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:264 Resp: 520884

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.5	17.4	26.2



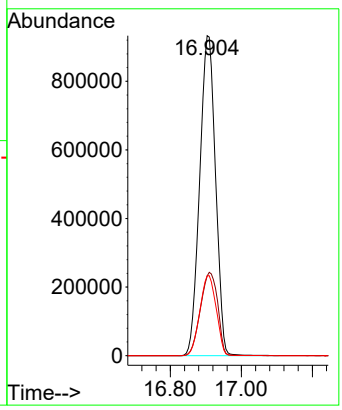


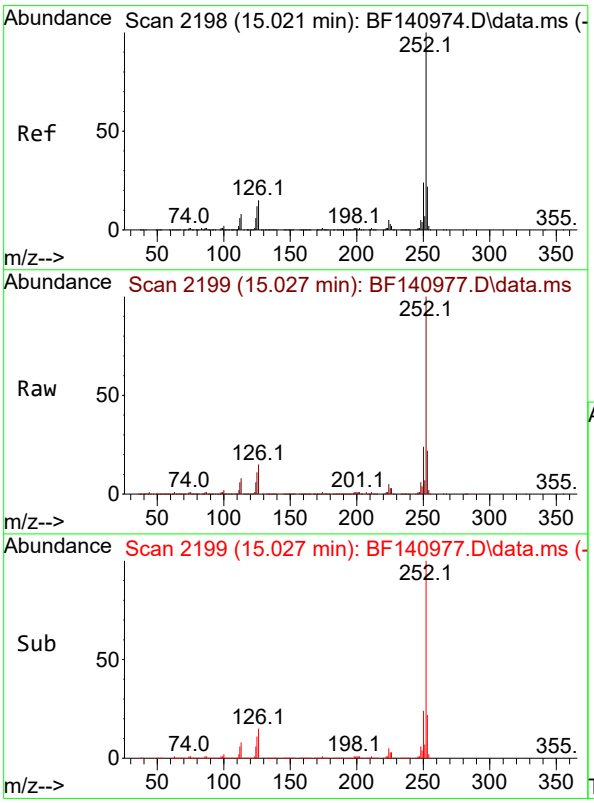
#87
Indeno(1,2,3-cd)pyrene
Concen: 89.169 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 2898446

Ion	Ratio	Lower	Upper
276	100		
138	28.3	23.1	34.7
277	25.8	20.4	30.6

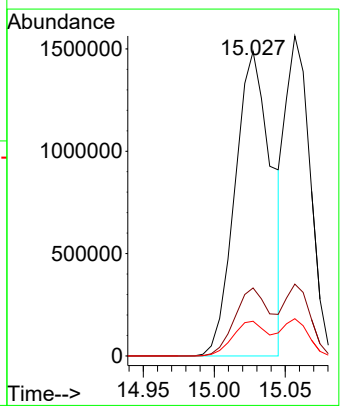


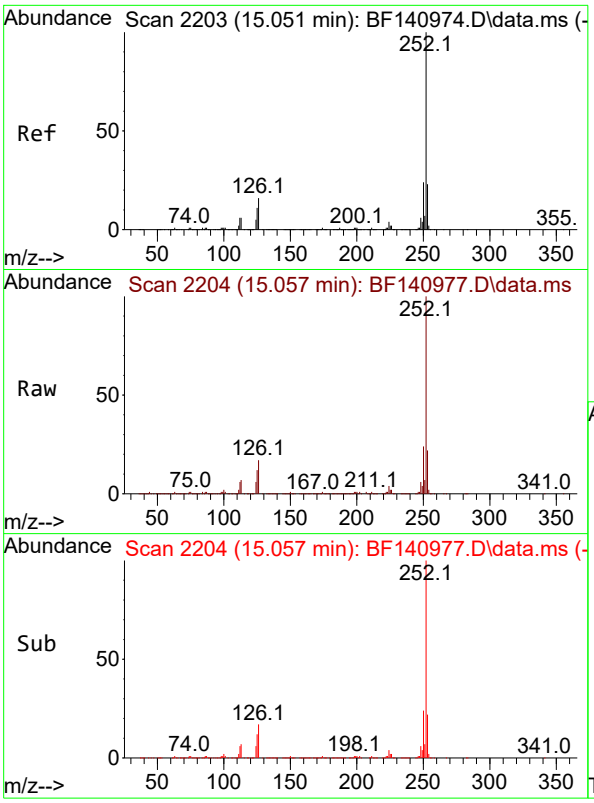


#88
Benzo(b)fluoranthene
Concen: 73.499 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:252 Resp: 2657521

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	11.4	9.3	13.9



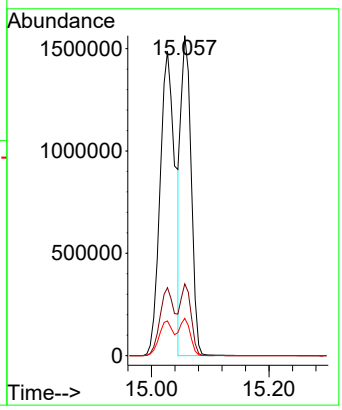


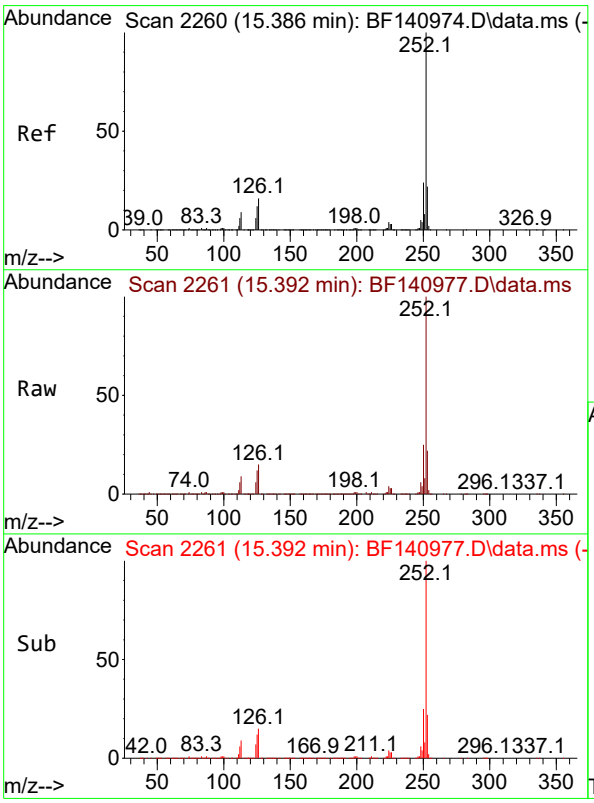
#89
Benzo(k)fluoranthene
Concen: 61.186 ng
RT: 15.057 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1897702

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	11.7	9.4	14.0

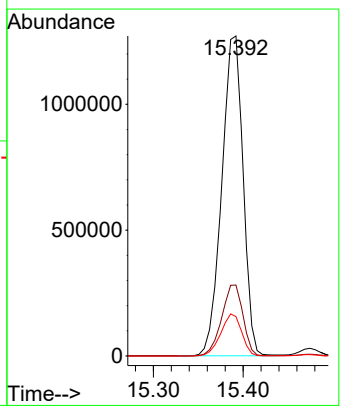


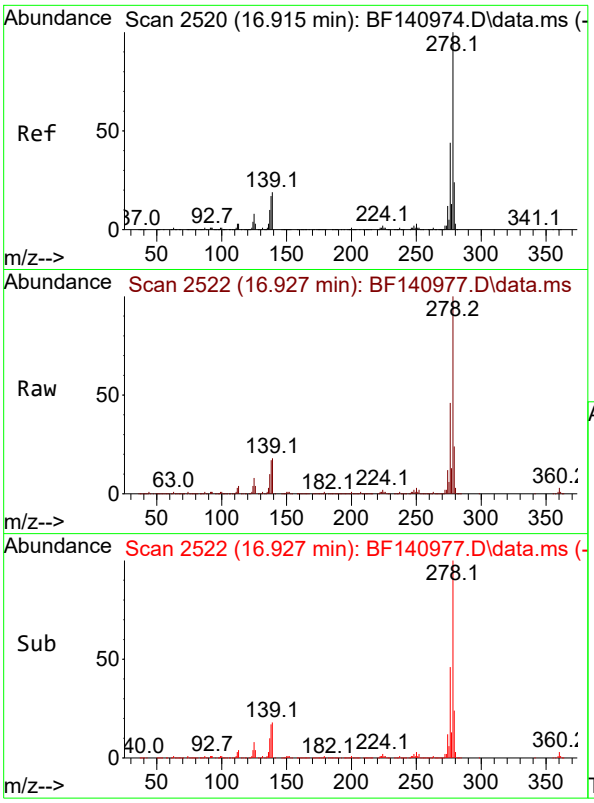


#90
Benzo(a)pyrene
Concen: 74.108 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:252 Resp: 2098162

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	12.3	9.8	14.8



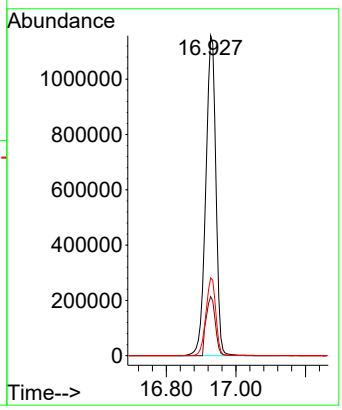


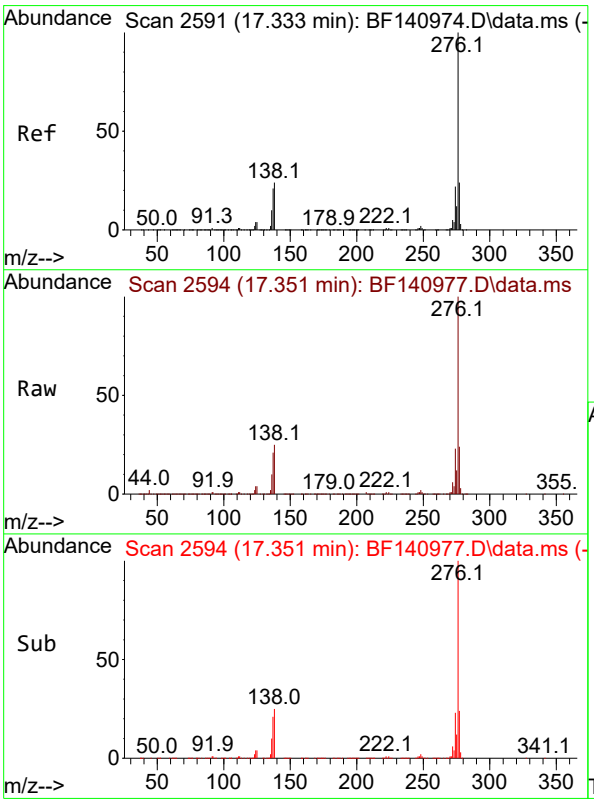
#91
Dibenzo(a,h)anthracene
Concen: 86.683 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 2334266

Ion	Ratio	Lower	Upper
278	100		
139	18.5	14.9	22.3
279	24.3	19.0	28.6

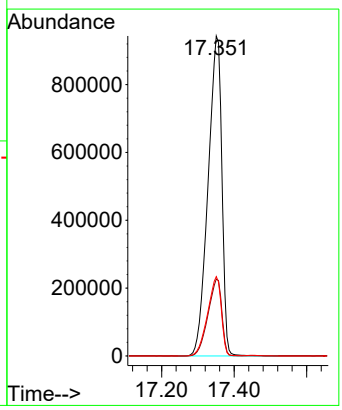




#92
Benzo(g,h,i)perylene
Concen: 90.743 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.018 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:276 Resp: 2487019

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	24.8	19.4	29.2



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Quant Time: Dec 27 00:36:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	278910	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1096814	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	586665	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	1025959	20.000	ng	0.00
76) Chrysene-d12	13.986	240	614249	20.000	ng	0.00
86) Perylene-d12	15.439	264	543067	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1428981	77.230	ng	0.00
7) Phenol-d6	6.451	99	1850114	77.619	ng	0.00
23) Nitrobenzene-d5	7.392	82	1567133	91.412	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	471519	82.713	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	2755058	74.821	ng	0.00
79) Terphenyl-d14	12.933	244	3082241	83.347	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.557	88	327350	39.078	ng	99
3) Pyridine	3.299	79	802921	39.221	ng	99
4) n-Nitrosodimethylamine	3.252	42	405836	39.126	ng	100
6) Aniline	6.487	93	854884	40.214	ng	99
8) 2-Chlorophenol	6.610	128	885691	45.402	ng	98
9) Benzaldehyde	6.375	77	487130	42.275	ng	100
10) Phenol	6.463	94	1150959	46.698	ng	99
11) bis(2-Chloroethyl)ether	6.569	93	783408	39.366	ng	98
12) 1,3-Dichlorobenzene	6.769	146	836638	38.861	ng	99
13) 1,4-Dichlorobenzene	6.845	146	881416	40.612	ng	100
14) 1,2-Dichlorobenzene	6.998	146	784556	38.772	ng	100
15) Benzyl Alcohol	6.969	79	680874	39.751	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1153471	38.326	ng	99
17) 2-Methylphenol	7.075	107	642058	39.617	ng	100
18) Hexachloroethane	7.345	117	308596	40.027	ng	99
19) n-Nitroso-di-n-propyla...	7.245	70	596199	40.828	ng	100
20) 3+4-Methylphenols	7.228	107	806484	39.323	ng	99
22) Acetophenone	7.240	105	1020280	37.920	ng	99
24) Nitrobenzene	7.410	77	844017	44.060	ng	99
25) Isophorone	7.651	82	1437535	38.534	ng	99
26) 2-Nitrophenol	7.728	139	334326	43.185	ng	99
27) 2,4-Dimethylphenol	7.757	122	544355	39.926	ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	905816	38.323	ng	100
29) 2,4-Dichlorophenol	7.963	162	622844	40.280	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	721146	41.204	ng	100
31) Naphthalene	8.134	128	2224743	38.493	ng	100
32) Benzoic acid	7.863	122	473862	43.158	ng	97
33) 4-Chloroaniline	8.181	127	819674	39.203	ng	99
34) Hexachlorobutadiene	8.251	225	403377	39.095	ng	100
35) Caprolactam	8.545	113	212225	40.372	ng	99
36) 4-Chloro-3-methylphenol	8.651	107	733502	42.714	ng	99
37) 2-Methylnaphthalene	8.822	142	1417576	38.340	ng	100
38) 1-Methylnaphthalene	8.922	142	1379859	37.974	ng	98
40) 1,2,4,5-Tetrachloroben...	8.986	216	621819	38.527	ng	100
41) Hexachlorocyclopentadiene	8.975	237	216938	40.560	ng	100
43) 2,4,6-Trichlorophenol	9.092	196	431607	40.180	ng	100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Quant Time: Dec 27 00:36:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	446928	40.663	ng		100
46) 1,1'-Biphenyl	9.286	154	1703208	37.916	ng		100
47) 2-Chloronaphthalene	9.310	162	1339282	38.442	ng		100
48) 2-Nitroaniline	9.398	65	389029	43.198	ng		99
49) Acenaphthylene	9.722	152	1919436	38.272	ng		100
50) Dimethylphthalate	9.586	163	1482676	38.422	ng		100
51) 2,6-Dinitrotoluene	9.645	165	329921	42.386	ng		99
52) Acenaphthene	9.898	154	1361911	40.168	ng		100
53) 3-Nitroaniline	9.810	138	360491	42.522	ng	#	98
54) 2,4-Dinitrophenol	9.910	184	110045	45.538	ng		86
55) Dibenzofuran	10.069	168	1825813	38.318	ng		100
56) 4-Nitrophenol	9.957	139	320756	48.593	ng		99
57) 2,4-Dinitrotoluene	10.045	165	425111	44.506	ng		99
58) Fluorene	10.410	166	1391829	37.668	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.181	232	379409	41.681	ng		99
60) Diethylphthalate	10.286	149	1471636	38.629	ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	674323	37.928	ng		99
62) 4-Nitroaniline	10.422	138	351313	41.571	ng		98
63) Azobenzene	10.563	77	1538321	38.471	ng		100
65) 4,6-Dinitro-2-methylph...	10.451	198	172455	43.296	ng		100
66) n-Nitrosodiphenylamine	10.522	169	1252782	38.777	ng		100
67) 4-Bromophenyl-phenylether	10.892	248	435284	39.247	ng		100
68) Hexachlorobenzene	10.957	284	475602	38.890	ng		99
69) Atrazine	11.045	200	323638	35.858	ng		98
70) Pentachlorophenol	11.145	266	349248	45.869	ng		99
71) Phenanthrene	11.375	178	2072012	38.373	ng		100
72) Anthracene	11.422	178	2027823	38.325	ng		100
73) Carbazole	11.575	167	1937732	38.096	ng		100
74) Di-n-butylphthalate	11.916	149	2237362	38.673	ng		100
75) Fluoranthene	12.557	202	2209244	37.724	ng		100
77) Benzidine	12.680	184	520577	40.101	ng		100
78) Pyrene	12.786	202	2340872	43.575	ng		100
80) Butylbenzylphthalate	13.410	149	857532	43.715	ng		96
81) Benzo(a)anthracene	13.974	228	1624247	37.941	ng		99
82) 3,3'-Dichlorobenzidine	13.939	252	460524	35.805	ng		99
83) Chrysene	14.010	228	1531898	39.695	ng		100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1035953	40.713	ng		100
85) Di-n-octyl phthalate	14.592	149	1446783	39.285	ng		100
87) Indeno(1,2,3-cd)pyrene	16.892	276	1514165	44.255	ng		100
88) Benzo(b)fluoranthene	15.021	252	1367890	36.115	ng		100
89) Benzo(k)fluoranthene	15.051	252	1203912	40.555	ng		100
90) Benzo(a)pyrene	15.380	252	1132116	38.510	ng		99
91) Dibenzo(a,h)anthracene	16.915	278	1241284	44.756	ng		99
92) Benzo(g,h,i)perylene	17.333	276	1297980	45.122	ng		99

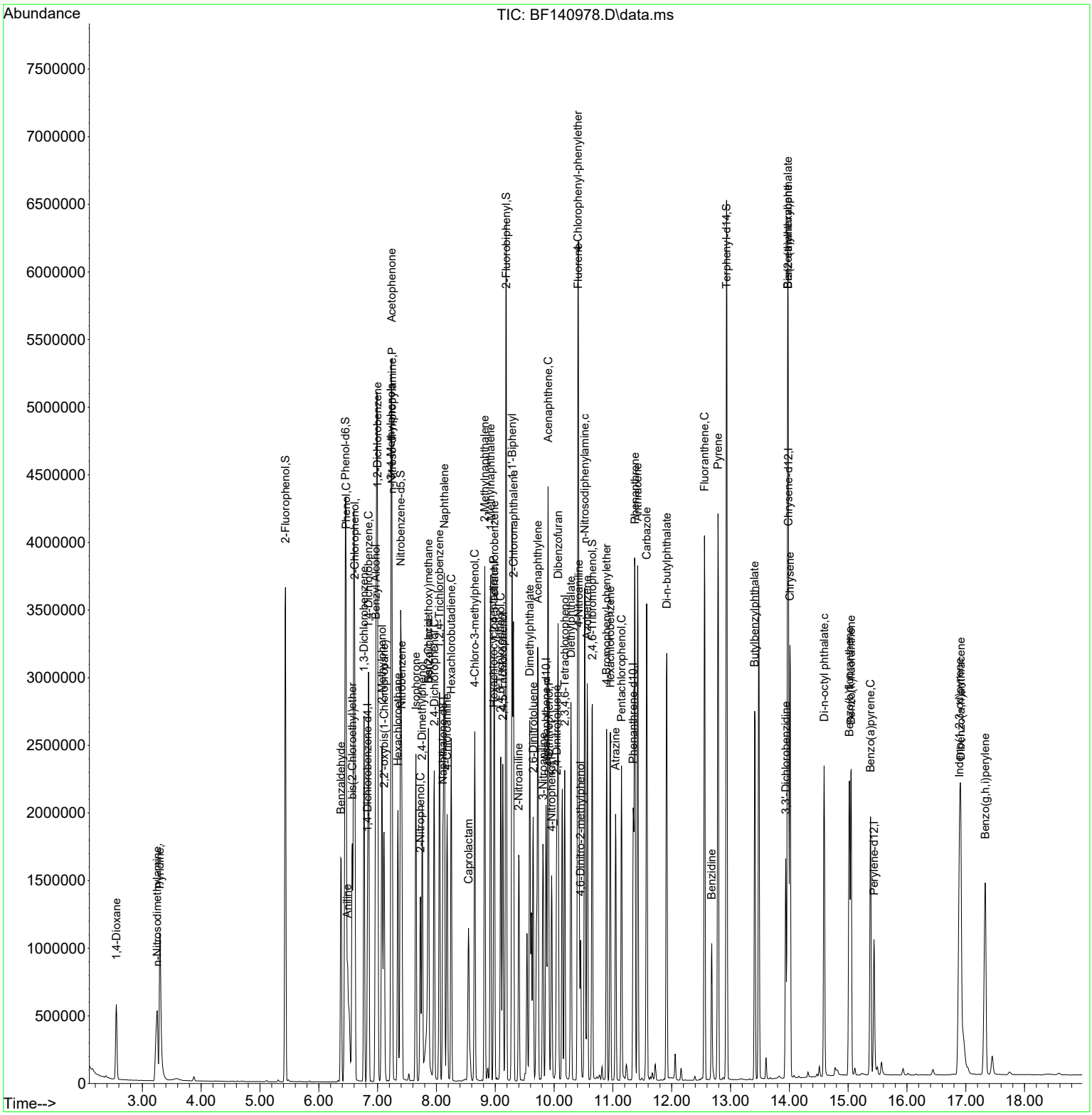
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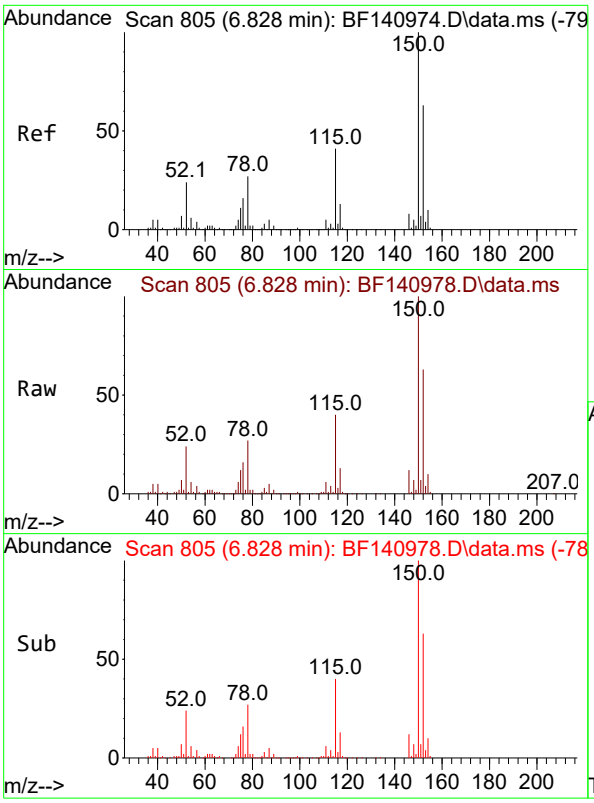
Quantitation Report (Not Reviewed)

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Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Quant Time: Dec 27 00:36:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



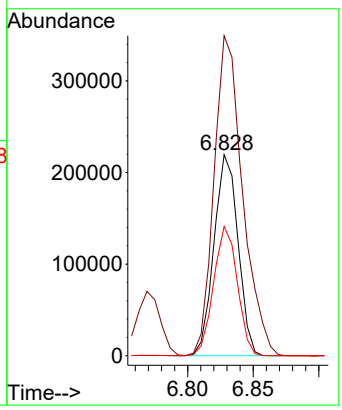


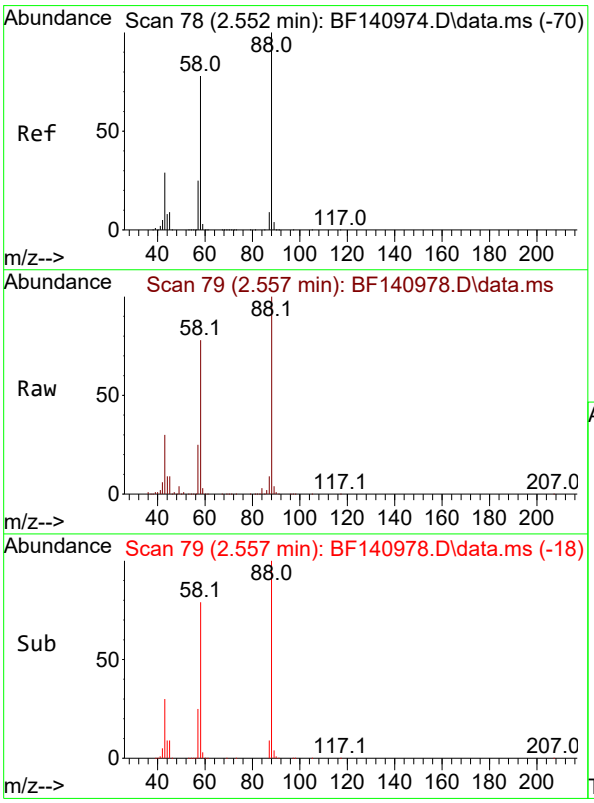
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:152 Resp: 278910

Ion	Ratio	Lower	Upper
152	100		
150	159.2	127.0	190.6
115	64.3	51.7	77.5

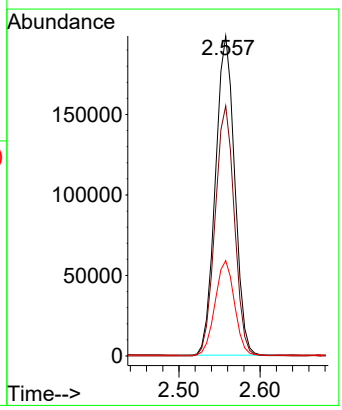


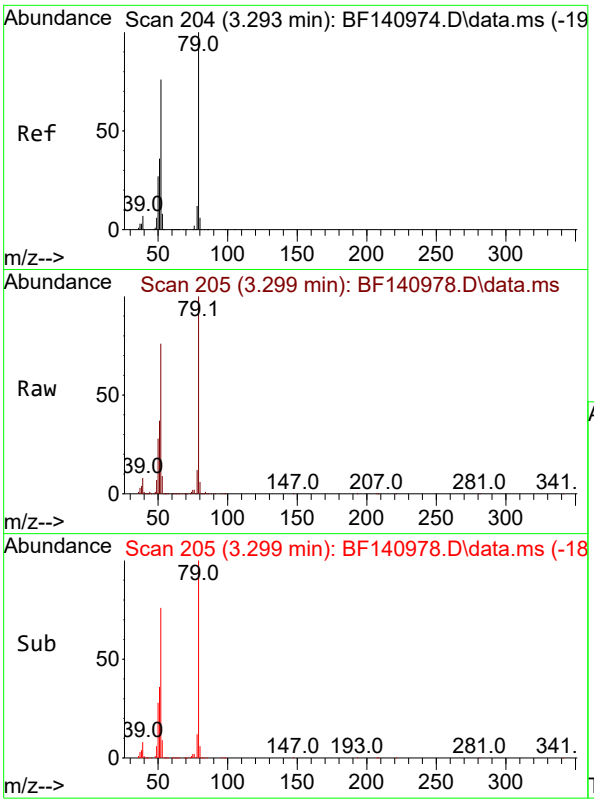


#2
1,4-Dioxane
Concen: 39.078 ng
RT: 2.557 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 88 Resp: 327350

Ion	Ratio	Lower	Upper
88	100		
58	78.3	63.0	94.4
43	29.7	23.4	35.2



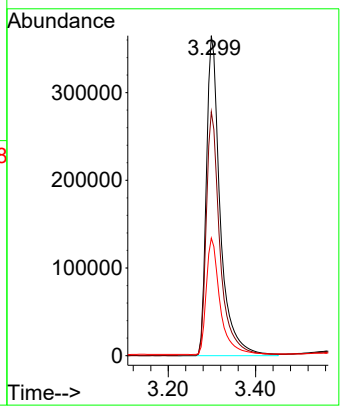


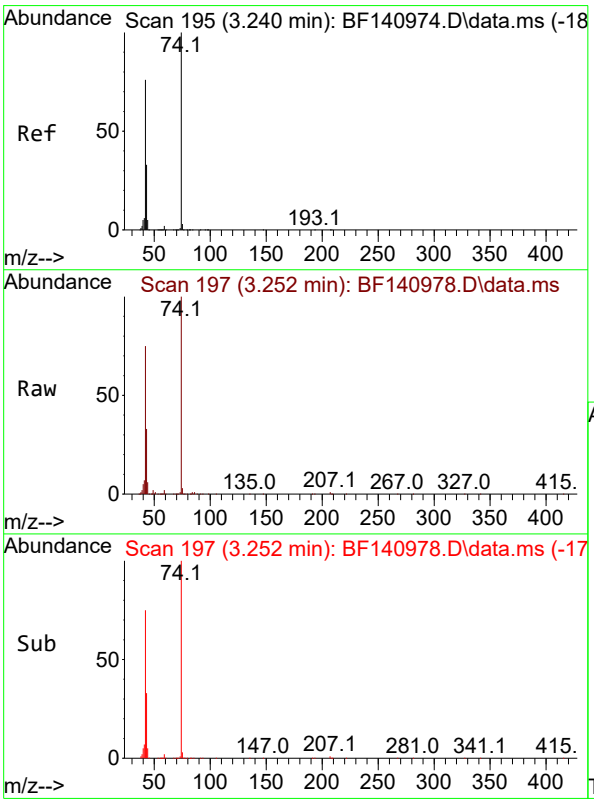
#3
Pyridine
Concen: 39.221 ng
RT: 3.299 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion: 79 Resp: 802921

Ion	Ratio	Lower	Upper
79	100		
52	76.2	60.4	90.6
51	36.8	28.8	43.2

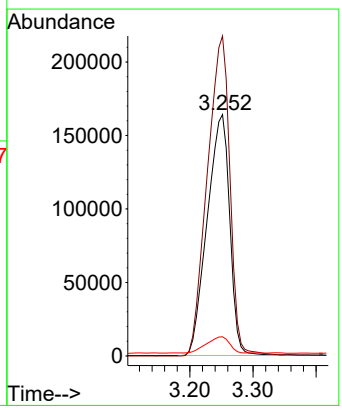


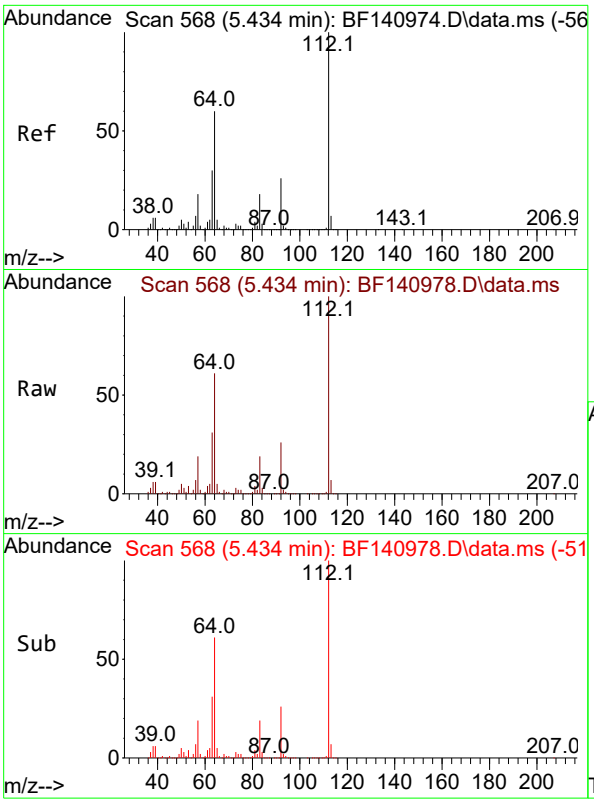


#4
n-Nitrosodimethylamine
Concen: 39.126 ng
RT: 3.252 min Scan# 197
Delta R.T. 0.012 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 42 Resp: 405836

Ion	Ratio	Lower	Upper
42	100		
74	132.5	105.8	158.6
44	7.9	6.6	10.0



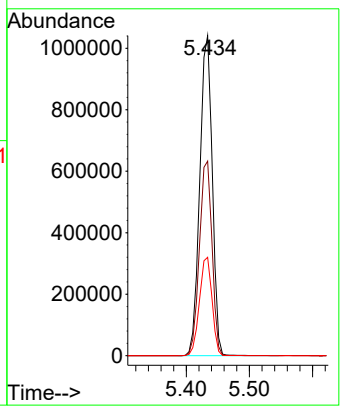


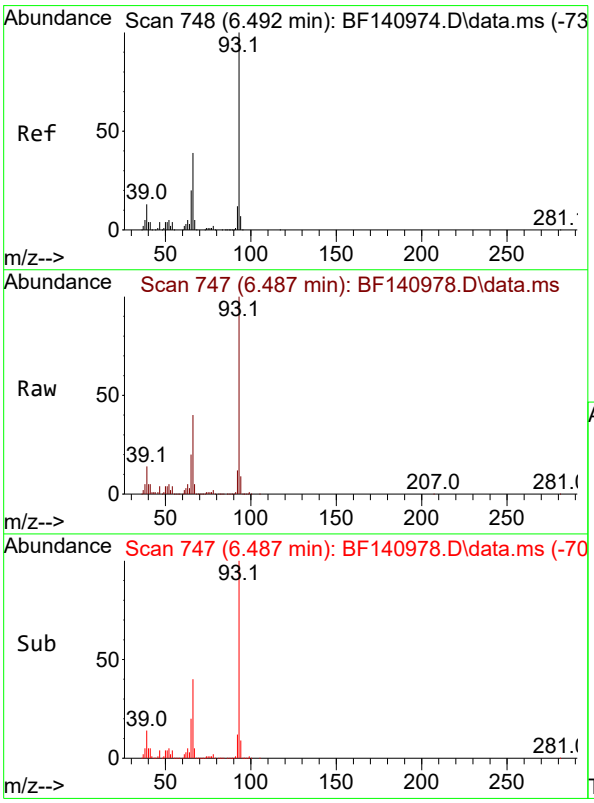
#5
2-Fluorophenol
Concen: 77.230 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:112 Resp: 1428981

Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.7	71.5
63	30.7	24.2	36.2

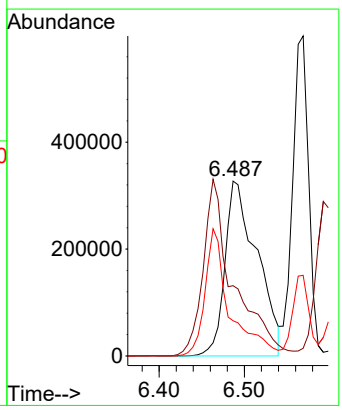


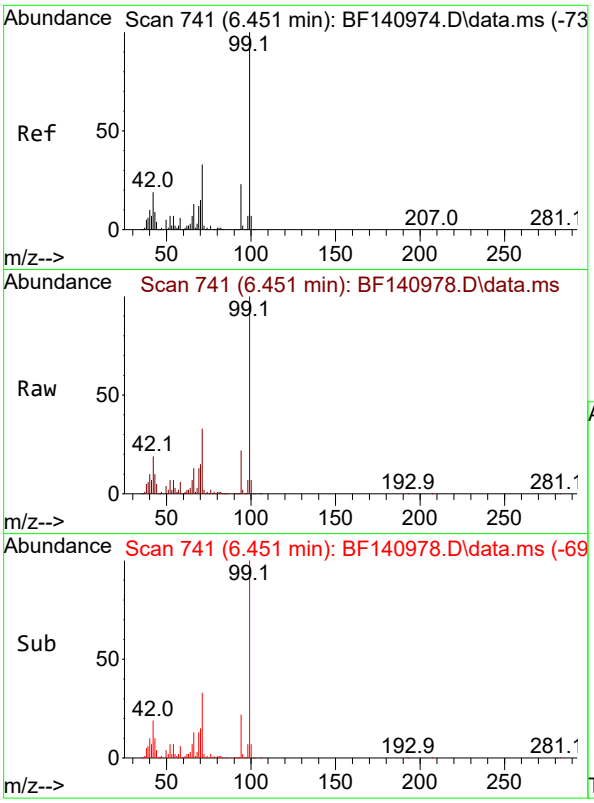


#6
Aniline
Concen: 40.214 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.024 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 93 Resp: 854884

Ion	Ratio	Lower	Upper
93	100		
66	40.1	31.8	47.8
65	20.1	15.4	23.0



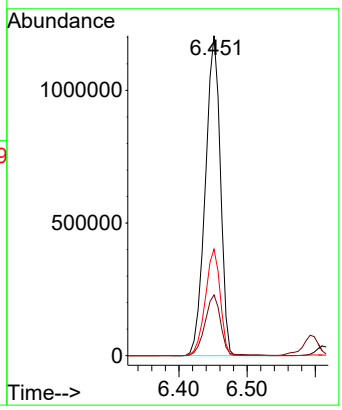


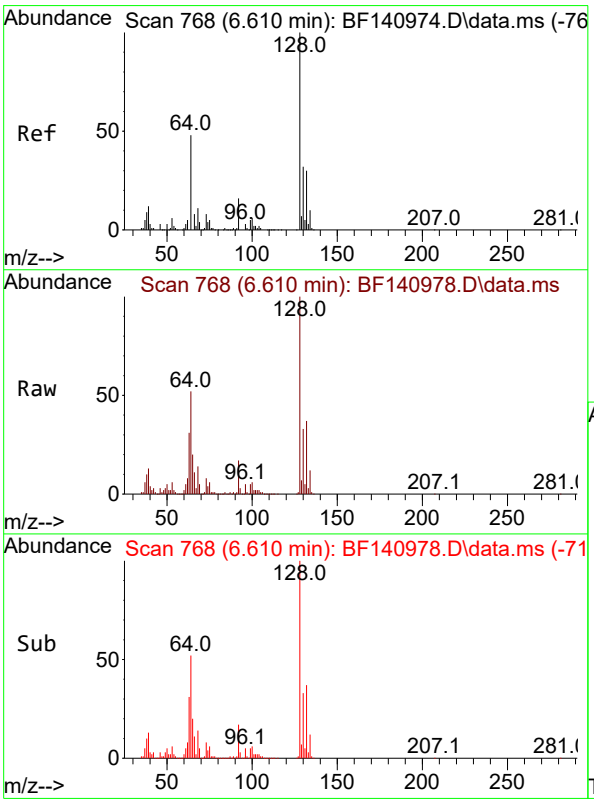
#7
Phenol-d6
Concen: 77.619 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion: 99 Resp: 1850114

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.0	22.4
71	33.3	26.2	39.2

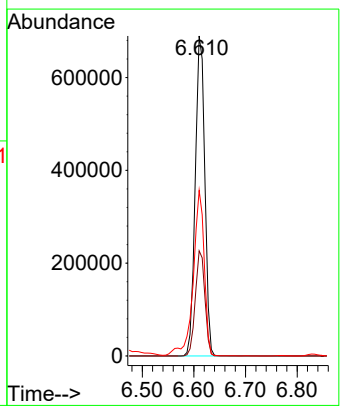


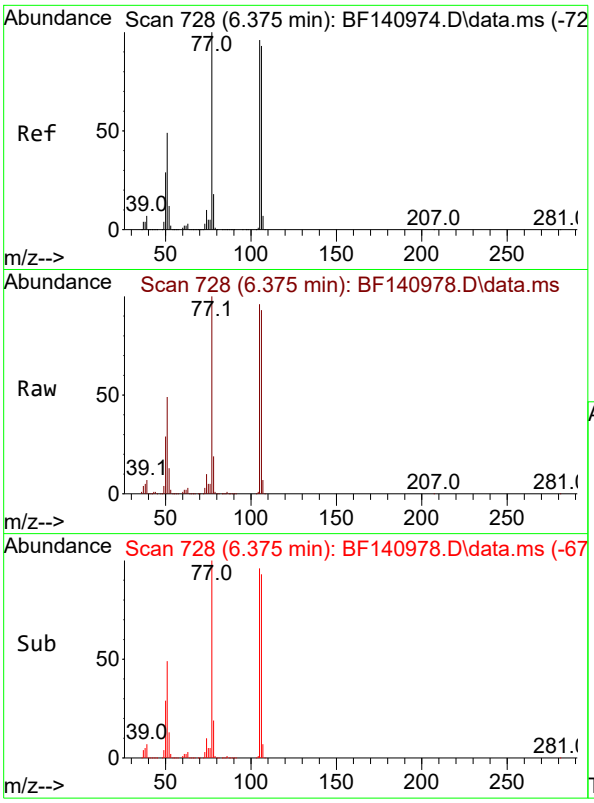


#8
2-Chlorophenol
Concen: 45.402 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:128 Resp: 885691

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.2	52.2
64	51.7	30.3	70.3



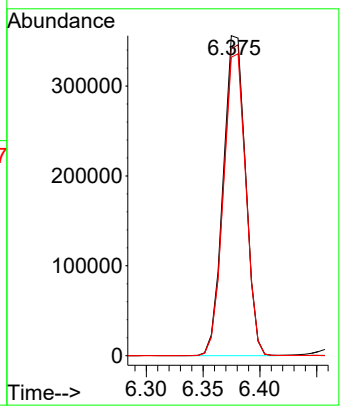


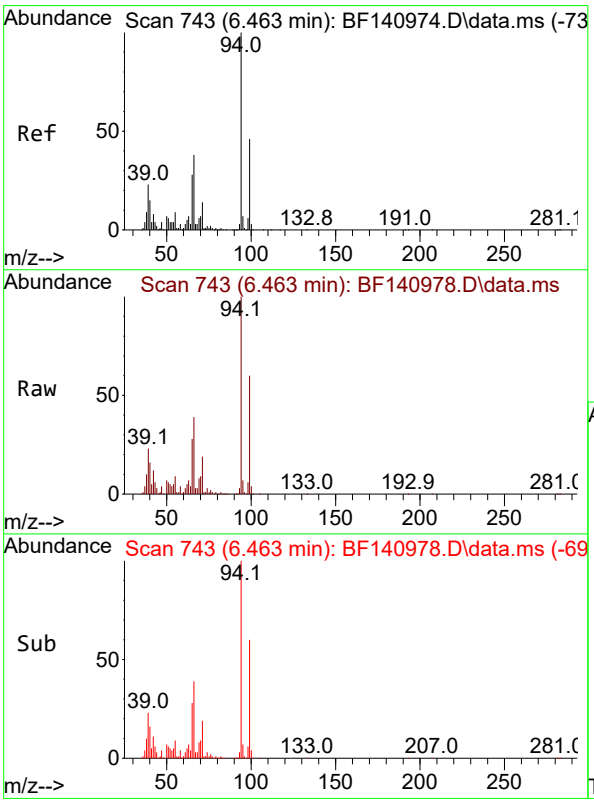
#9
Benzaldehyde
Concen: 42.275 ng
RT: 6.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion: 77 Resp: 487130

Ion	Ratio	Lower	Upper
77	100		
105	95.9	76.2	116.2
106	93.2	73.4	113.4

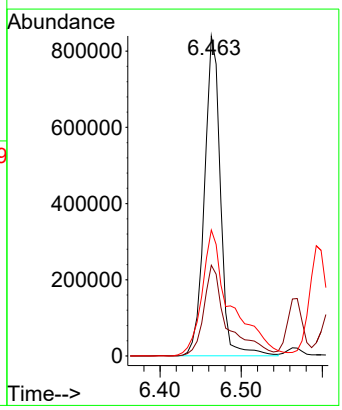


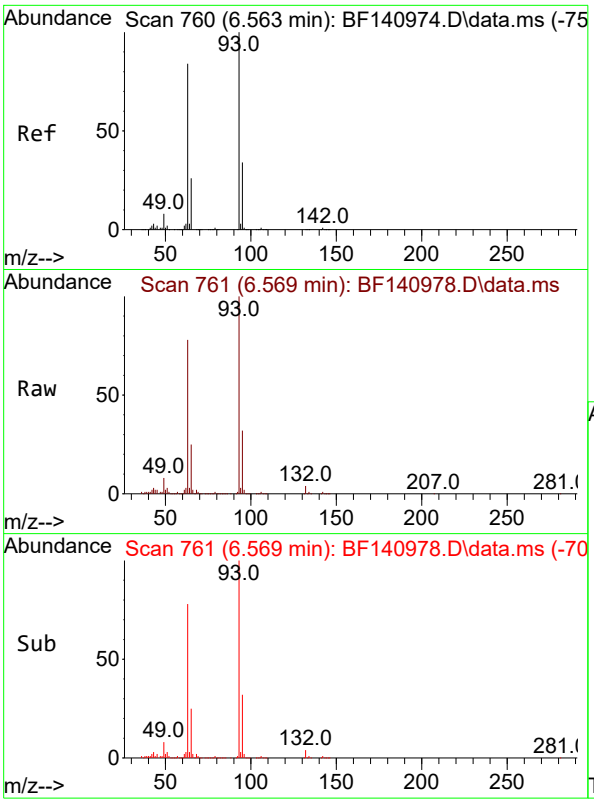


#10
Phenol
Concen: 46.698 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 94 Resp: 1150959

Ion	Ratio	Lower	Upper
94	100		
65	28.3	8.1	48.1
66	39.4	18.7	58.7



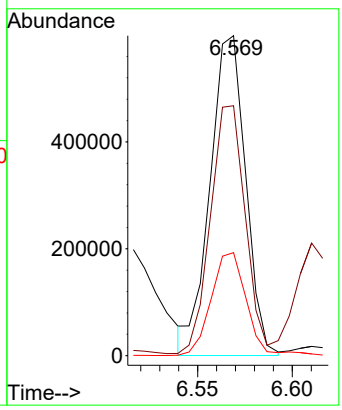


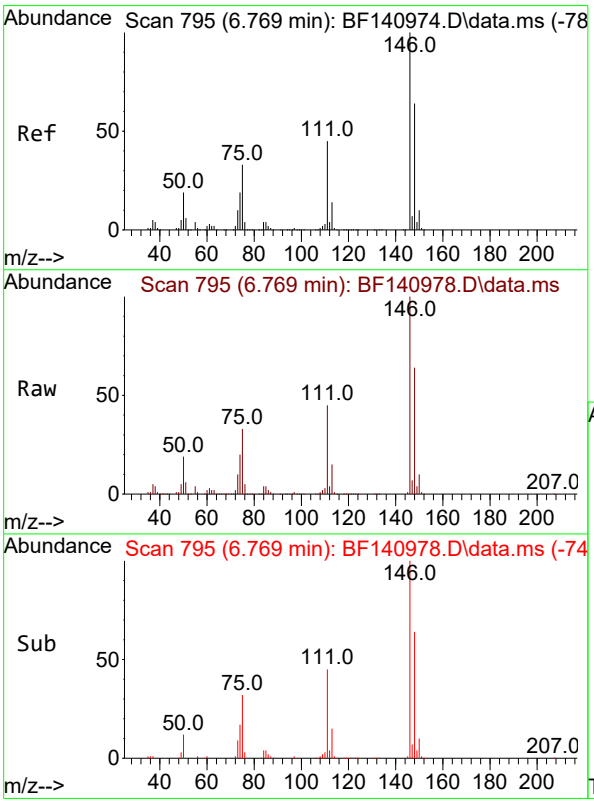
#11
bis(2-Chloroethyl)ether
Concen: 39.366 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion: 93 Resp: 783408

Ion	Ratio	Lower	Upper
93	100		
63	78.1	60.3	100.3
95	32.2	12.2	52.2

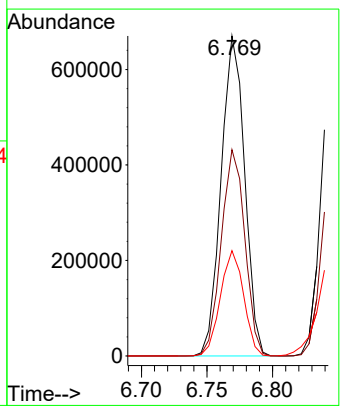


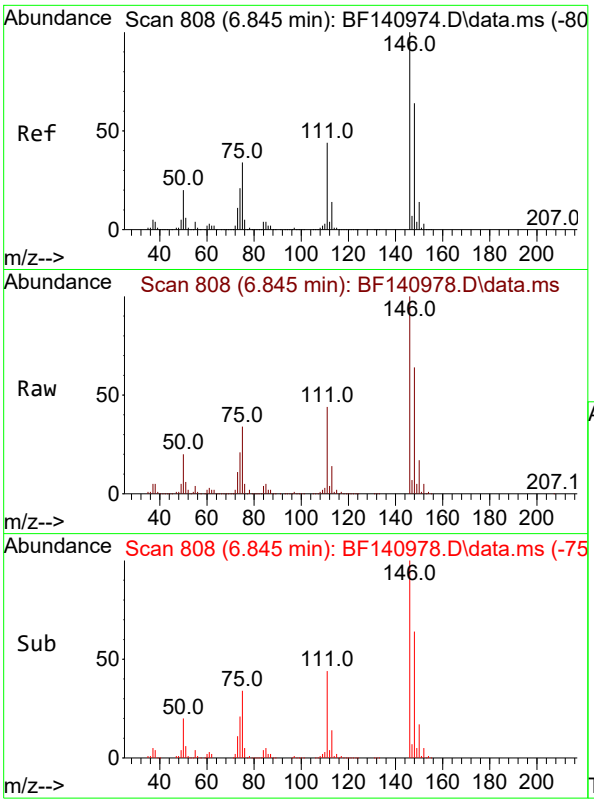


#12
1,3-Dichlorobenzene
Concen: 38.861 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:146 Resp: 836638

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
75	32.9	26.1	39.1



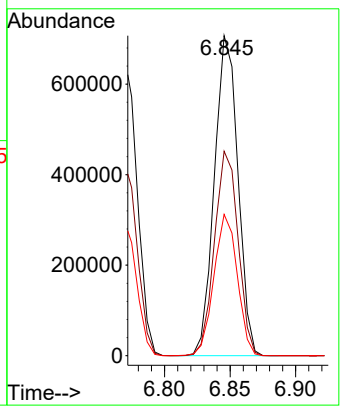


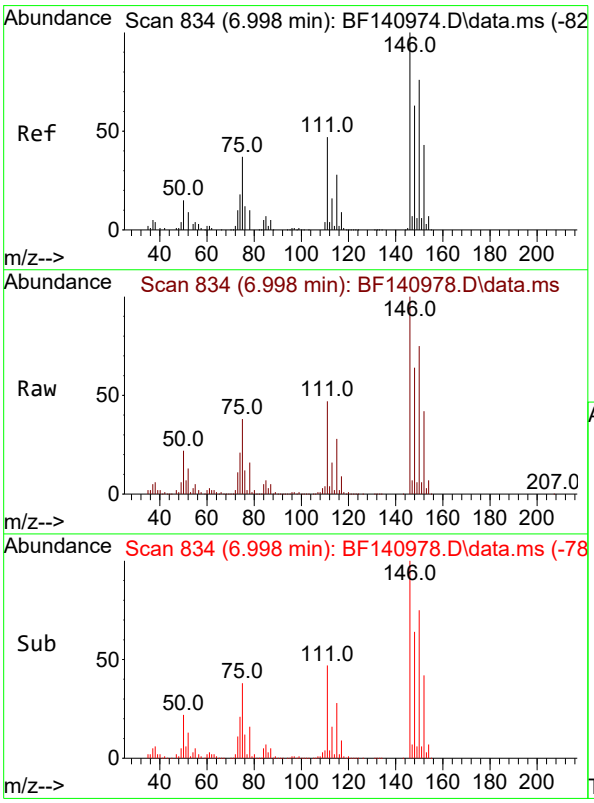
#13
1,4-Dichlorobenzene
Concen: 40.612 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:146 Resp: 881416

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.3	76.9
111	44.1	35.3	52.9

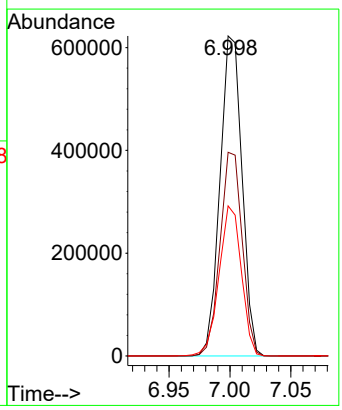


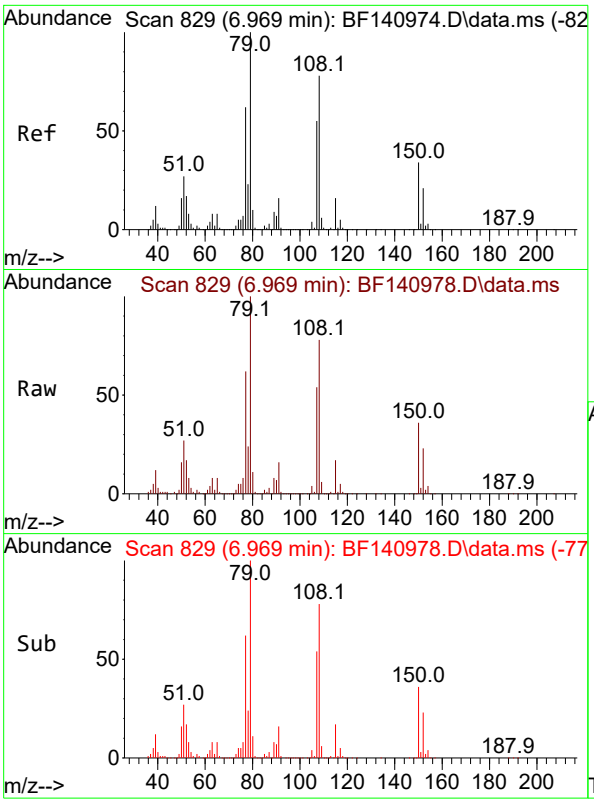


#14
1,2-Dichlorobenzene
Concen: 38.772 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:146 Resp: 784556

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
111	46.9	37.3	55.9



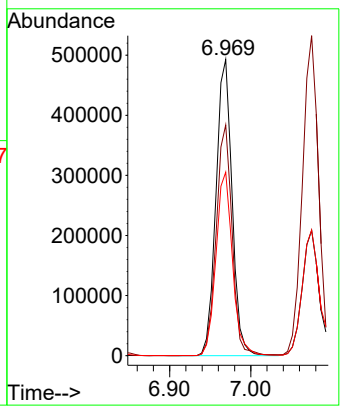


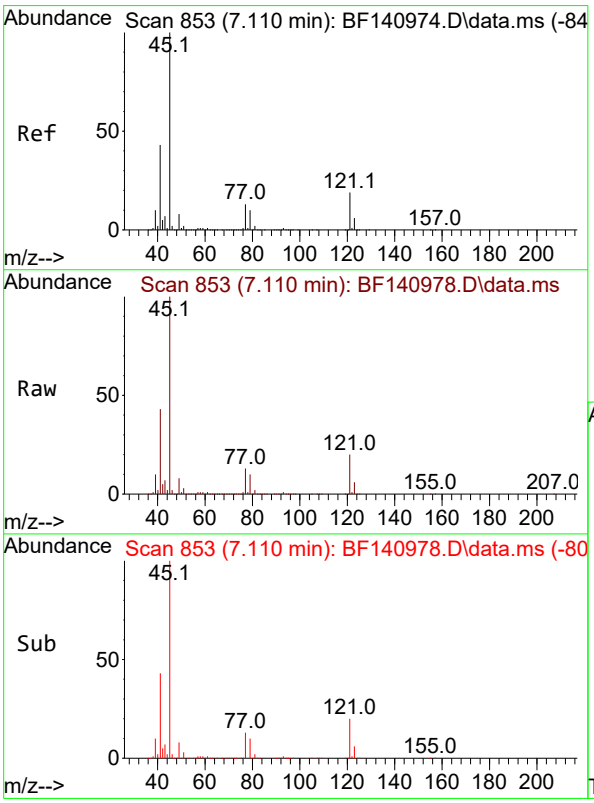
#15
Benzyl Alcohol
Concen: 39.751 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion: 79 Resp: 680874

Ion	Ratio	Lower	Upper
79	100		
108	77.9	62.5	93.7
77	62.0	49.3	73.9

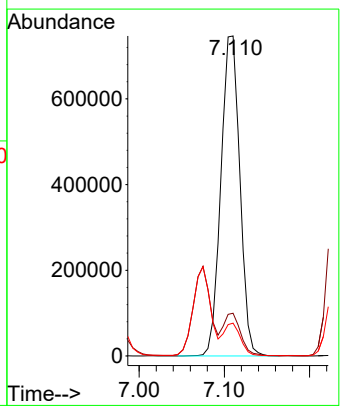


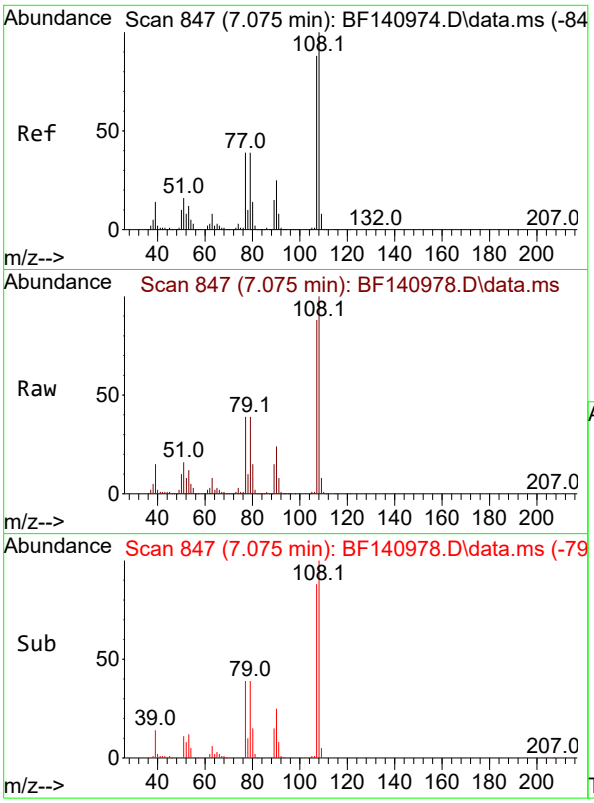


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.326 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 45 Resp: 1153471

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	33.1
79	10.3	0.0	30.1



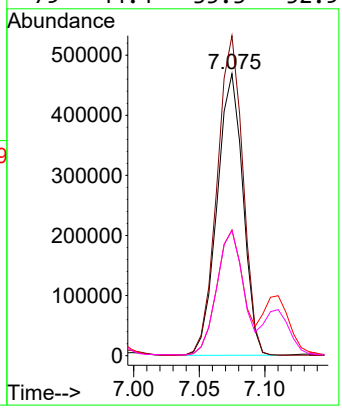


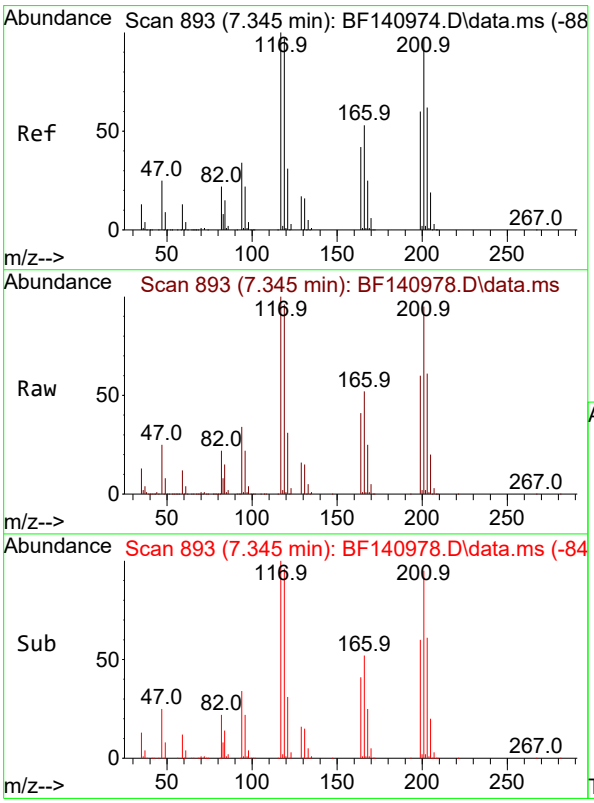
#17
2-Methylphenol
Concen: 39.617 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:107 Resp: 642058

Ion	Ratio	Lower	Upper
107	100		
108	113.5	90.6	136.0
77	44.6	35.3	52.9
79	44.4	35.3	52.9

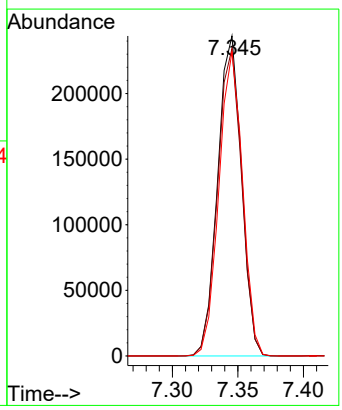


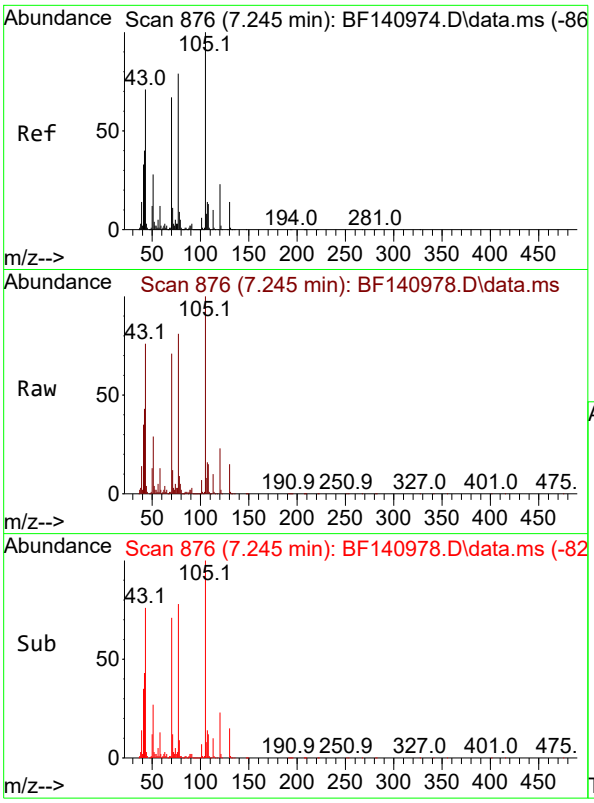


#18
Hexachloroethane
Concen: 40.027 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:117 Resp: 308596

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.5	116.3
201	95.1	77.4	116.2



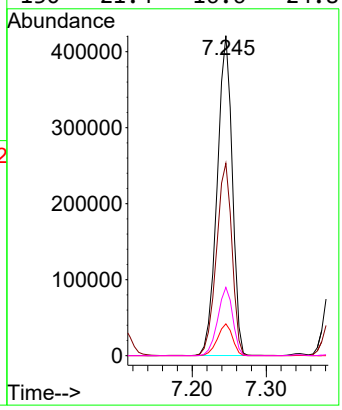


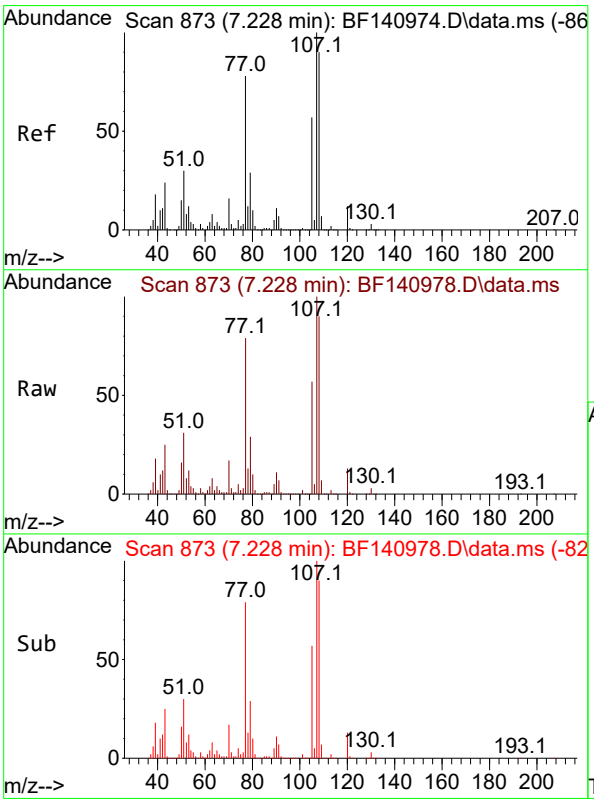
#19
n-Nitroso-di-n-propylamine
Concen: 40.828 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion: 70 Resp: 596199

Ion	Ratio	Lower	Upper
70	100		
42	60.1	48.1	72.1
101	9.9	7.6	11.4
130	21.4	16.6	24.8

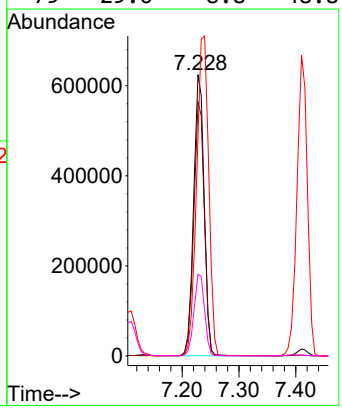


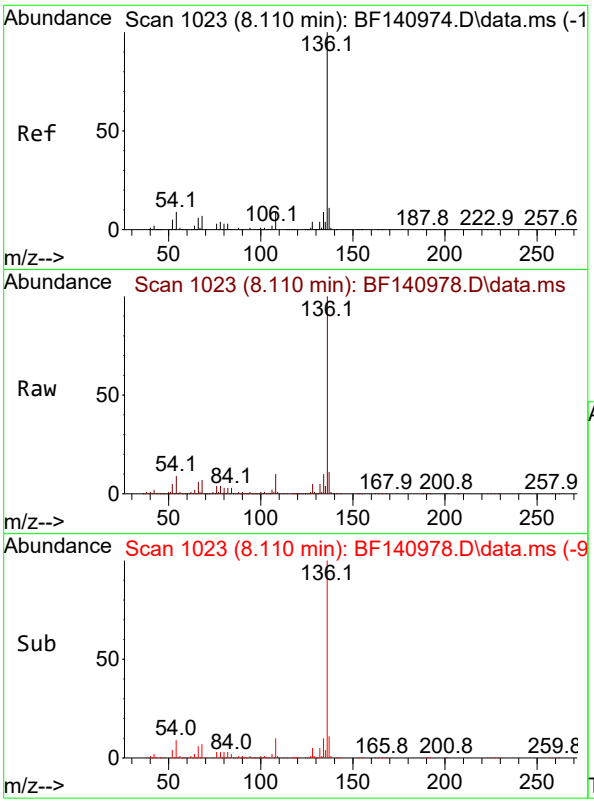


#20
3+4-Methylphenols
Concen: 39.323 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:107 Resp: 806484

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.6	109.6
77	78.8	57.6	97.6
79	29.0	8.8	48.8



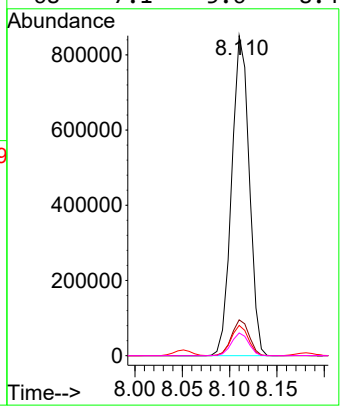


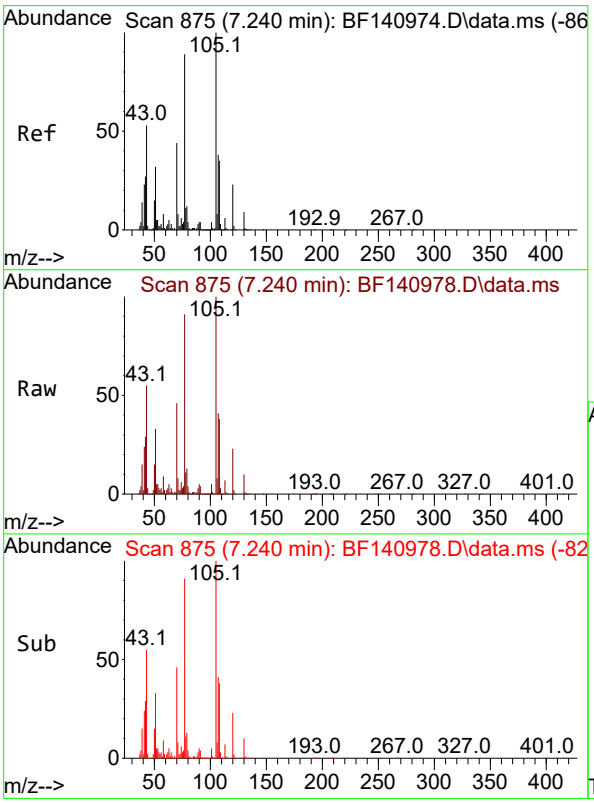
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:136 Resp: 1096814

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.5	7.6	11.4
68	7.1	5.6	8.4

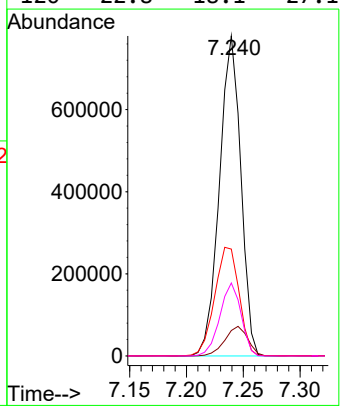


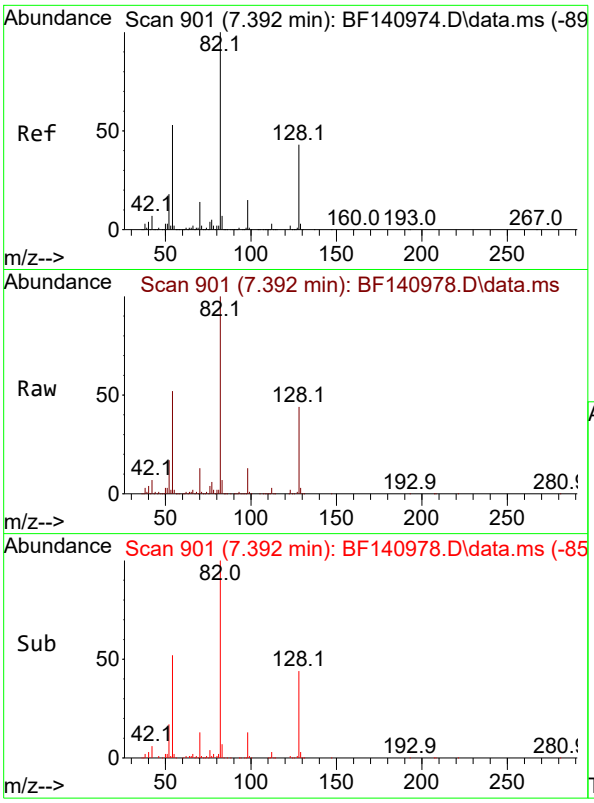


#22
Acetophenone
Concen: 37.920 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:105 Resp: 1020280

Ion	Ratio	Lower	Upper
105	100		
71	7.9	6.1	9.1
51	33.4	25.8	38.6
120	22.8	18.1	27.1



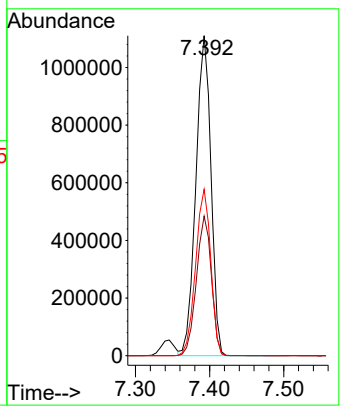


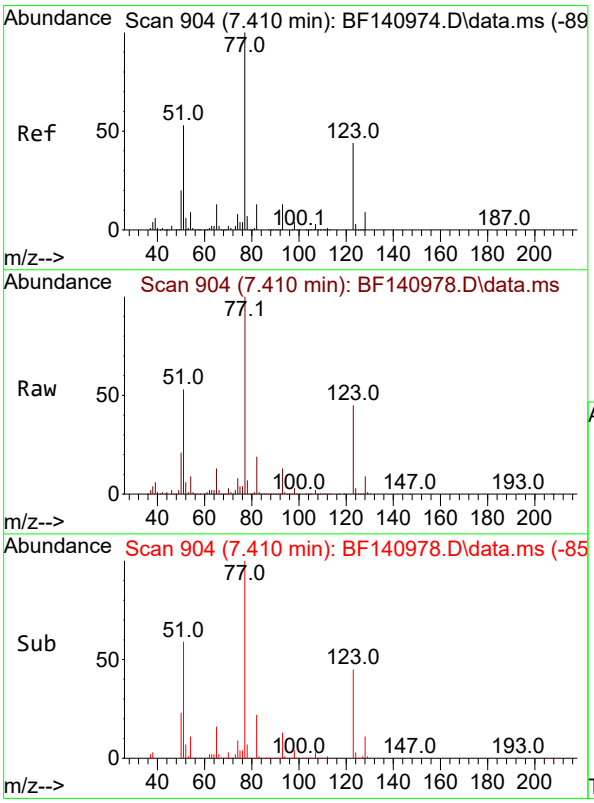
#23
Nitrobenzene-d5
Concen: 91.412 ng
RT: 7.392 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion: 82 Resp: 1567133

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.4	51.6
54	52.0	42.4	63.6

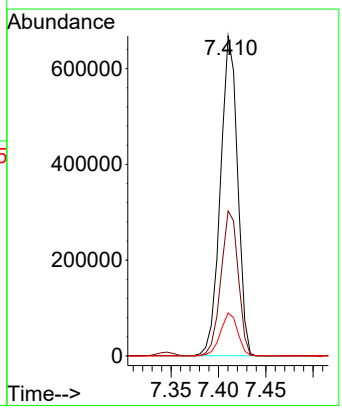


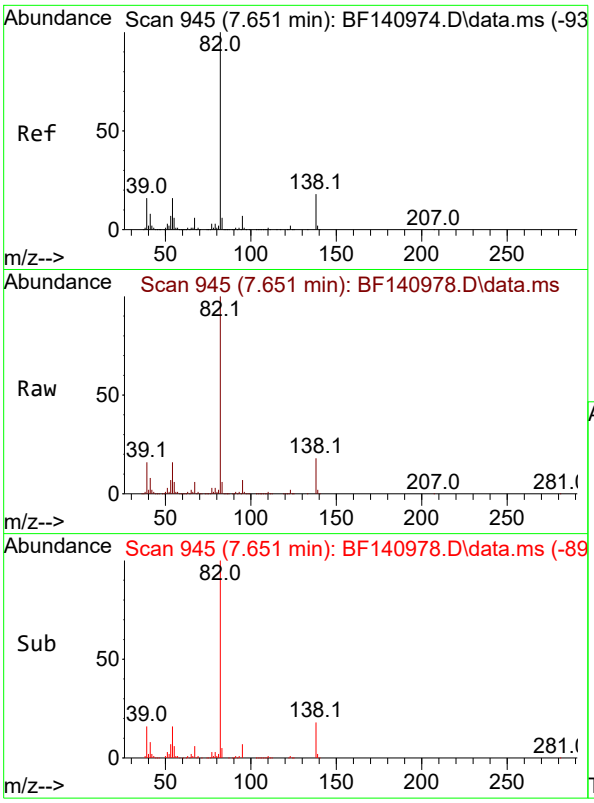


#24
Nitrobenzene
Concen: 44.060 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 77 Resp: 844017

Ion	Ratio	Lower	Upper
77	100		
123	45.3	35.4	53.2
65	13.4	10.7	16.1



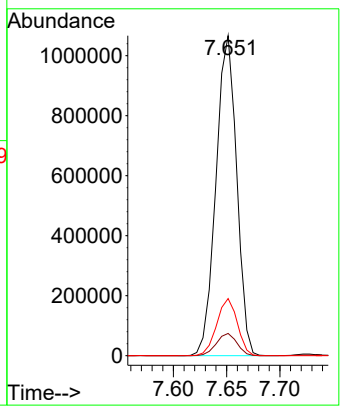


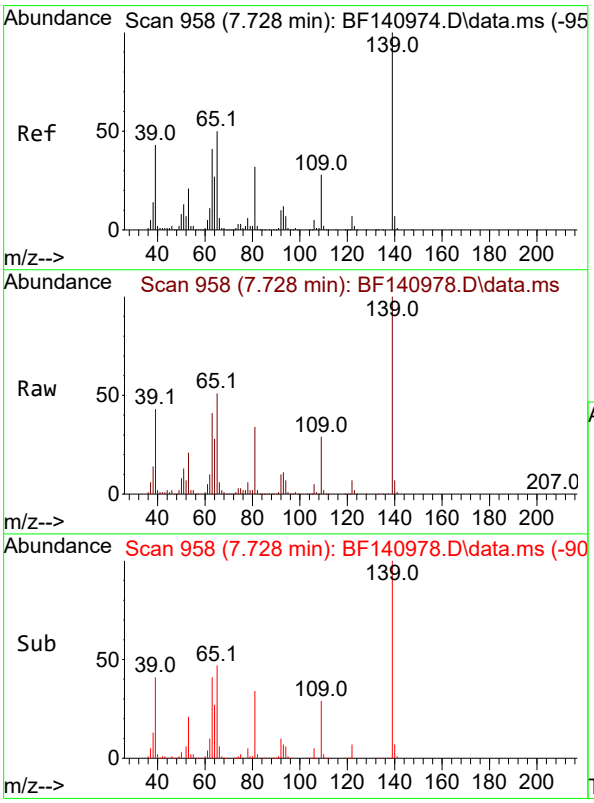
#25
Isophorone
Concen: 38.534 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion: 82 Resp: 1437535

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.8	14.6	21.8

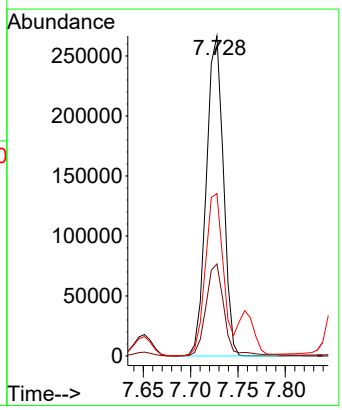


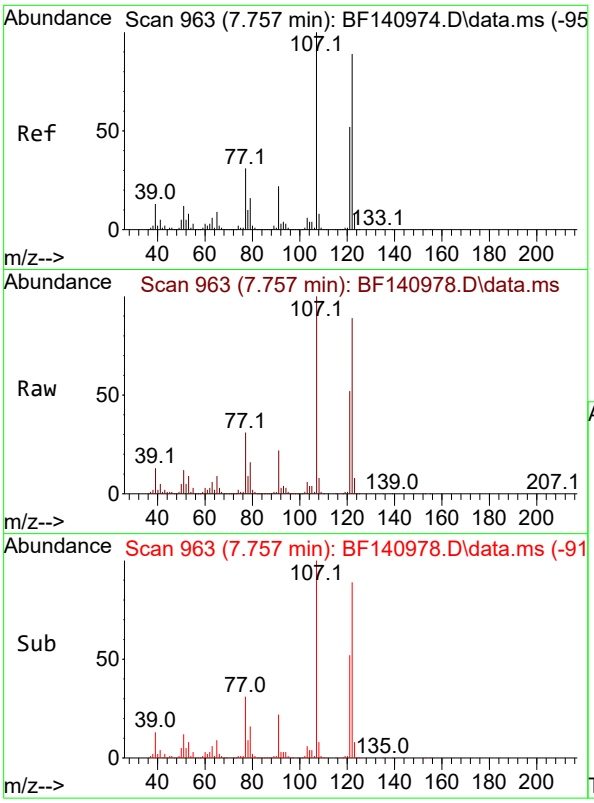


#26
2-Nitrophenol
Concen: 43.185 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:139 Resp: 334326

Ion	Ratio	Lower	Upper
139	100		
109	28.8	22.2	33.4
65	50.7	40.2	60.4



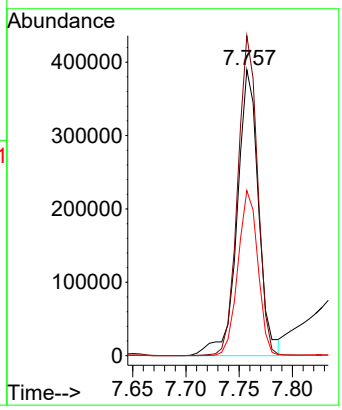


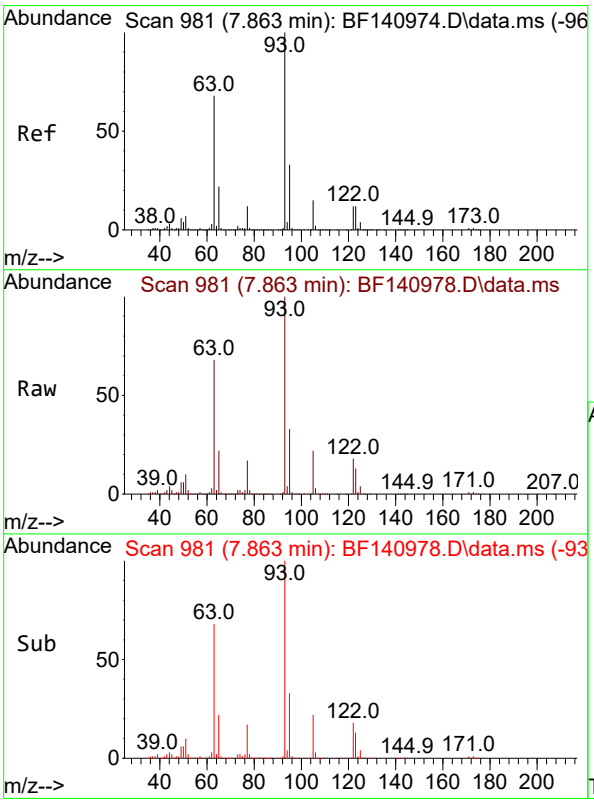
#27
2,4-Dimethylphenol
Concen: 39.926 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:122 Resp: 544355

Ion	Ratio	Lower	Upper
122	100		
107	111.9	89.4	134.2
121	57.8	46.7	70.1

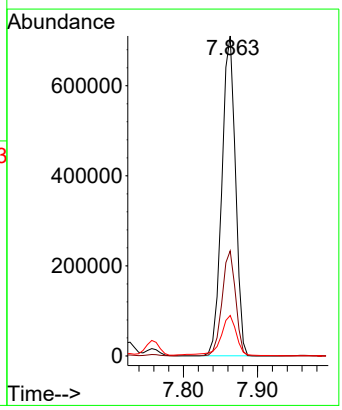


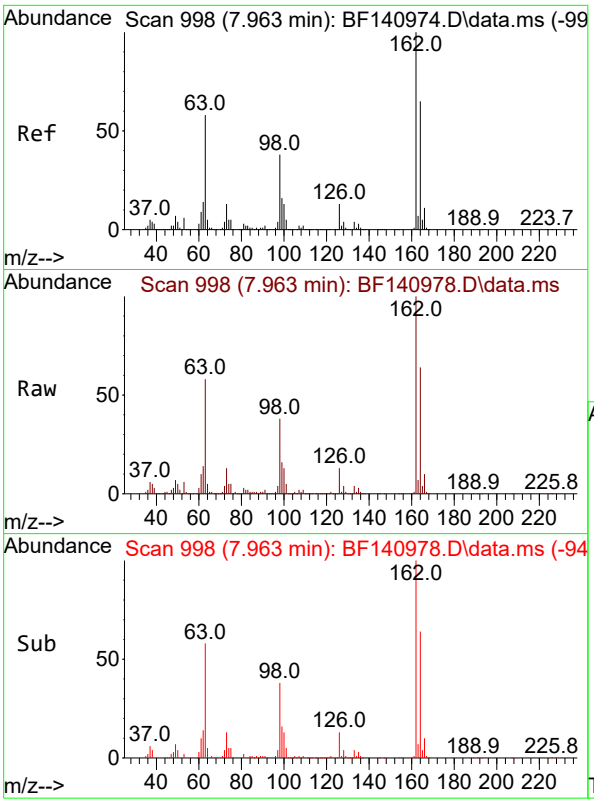


#28
bis(2-Chloroethoxy)methane
Concen: 38.323 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 93 Resp: 905816

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	12.6	9.9	14.9



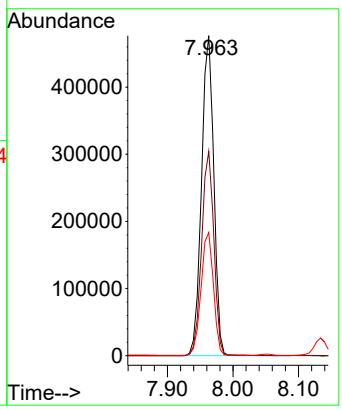


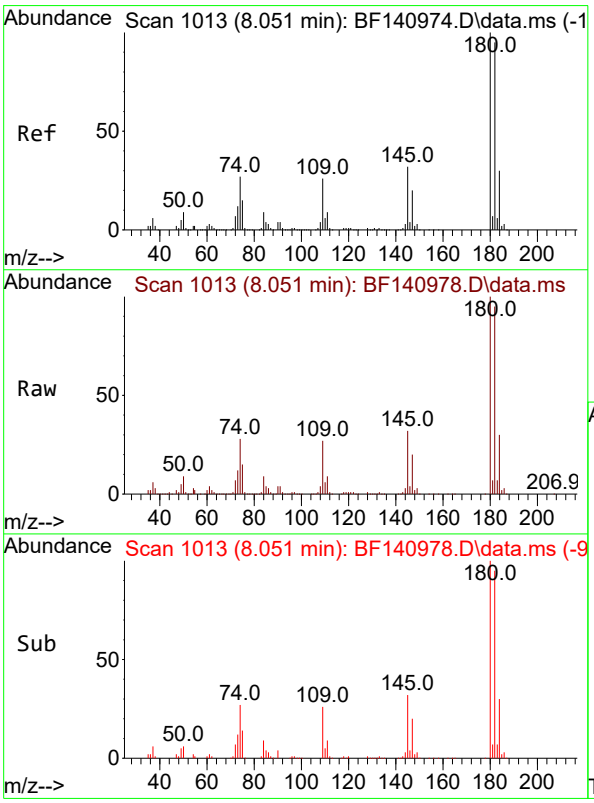
#29
2,4-Dichlorophenol
Concen: 40.280 ng
RT: 7.963 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:162 Resp: 622844

Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.8	84.8
98	38.5	18.6	58.6

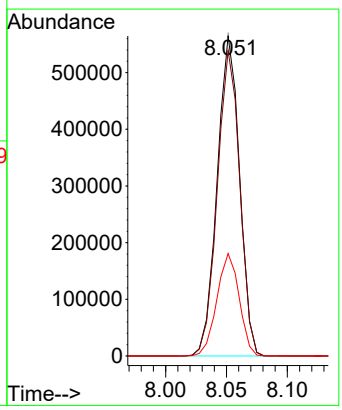


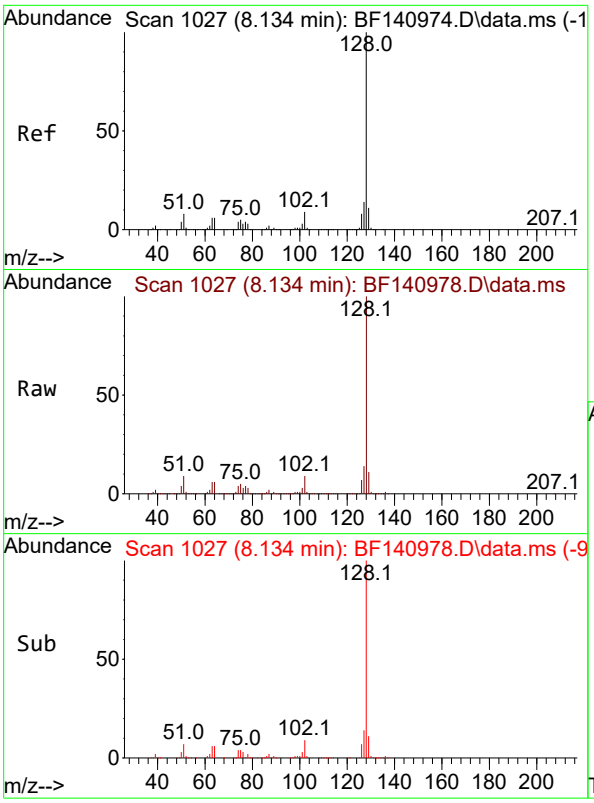


#30
1,2,4-Trichlorobenzene
Concen: 41.204 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:180 Resp: 721146

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.4
145	32.0	25.4	38.2



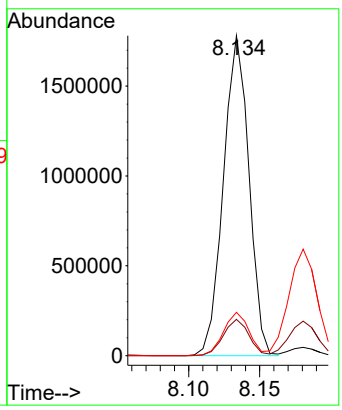


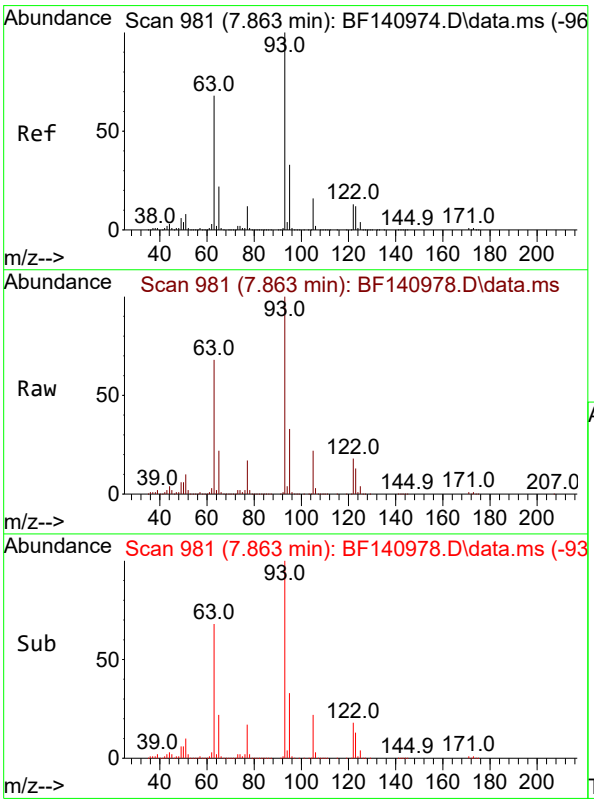
#31
Naphthalene
Concen: 38.493 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:128 Resp: 2224743

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.6	11.0	16.4

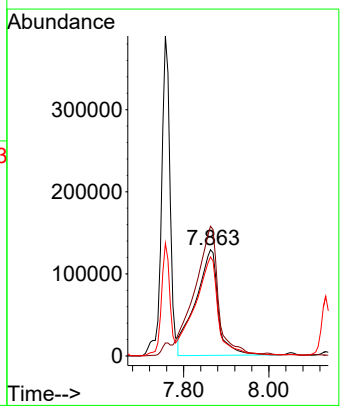


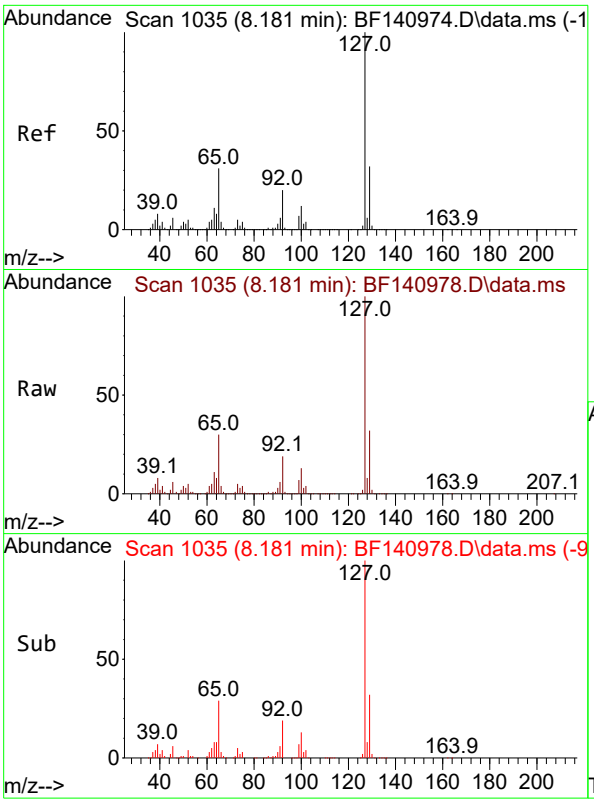


#32
Benzoic acid
Concen: 43.158 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:122 Resp: 473862

Ion	Ratio	Lower	Upper
122	100		
105	122.1	105.4	145.4
77	93.2	76.4	116.4



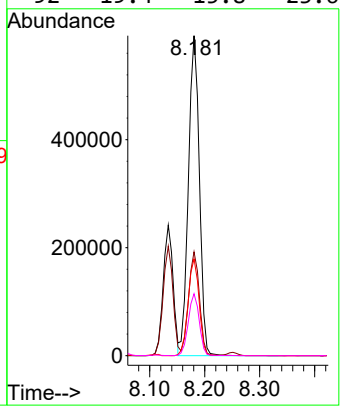


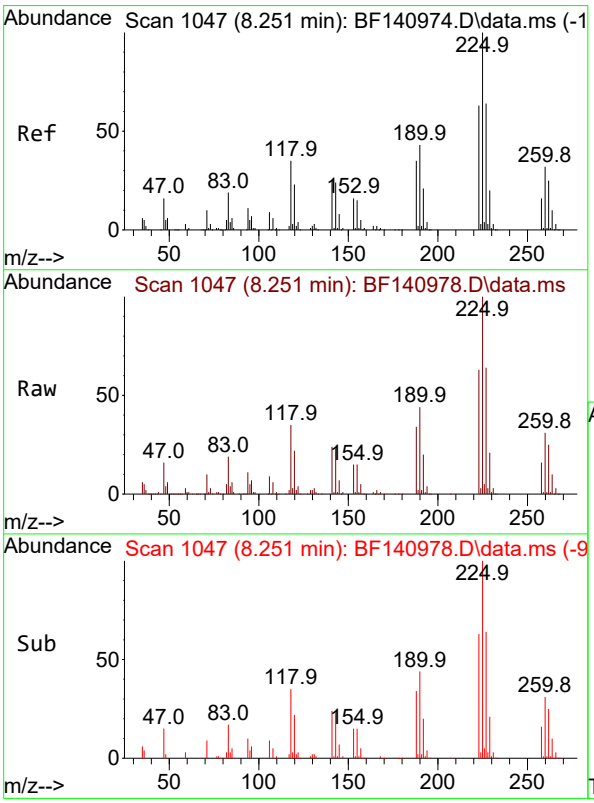
#33
4-Chloroaniline
Concen: 39.203 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:127 Resp: 819674

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	30.2	24.6	37.0
92	19.4	15.8	23.6

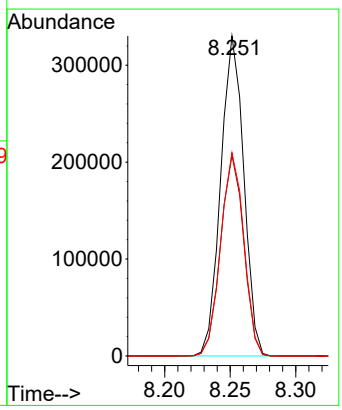


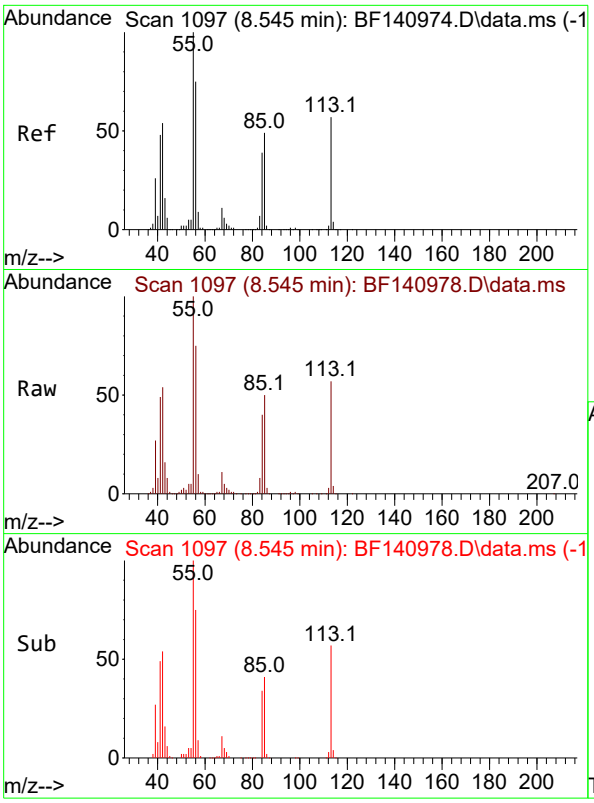


#34
Hexachlorobutadiene
Concen: 39.095 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:225 Resp: 403377

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.3	75.5
227	63.6	50.8	76.2



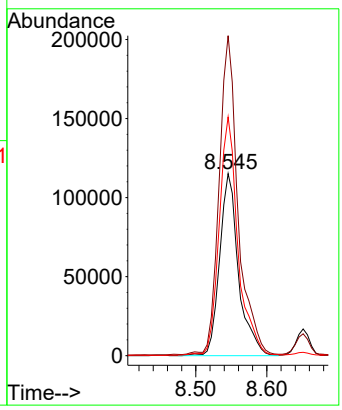


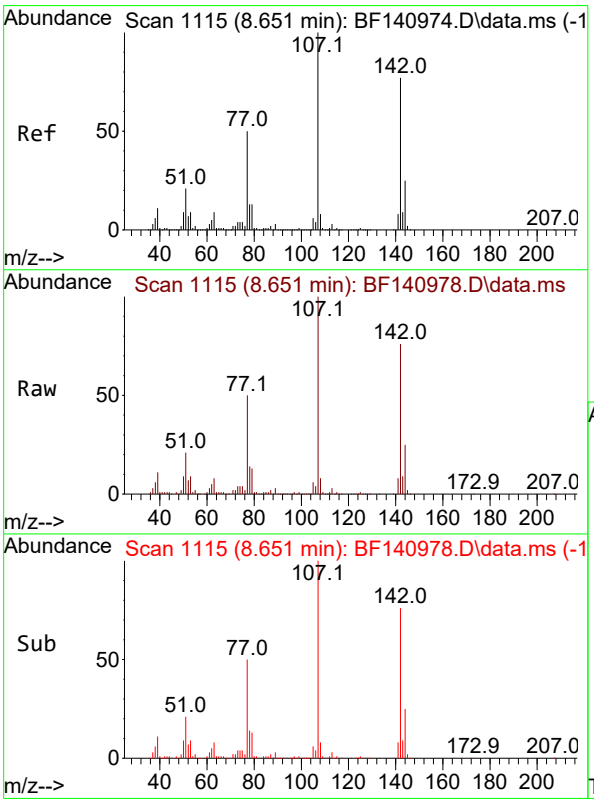
#35
Caprolactam
Concen: 40.372 ng
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:113 Resp: 212225

Ion	Ratio	Lower	Upper
113	100		
55	175.7	156.6	196.6
56	131.1	111.7	151.7

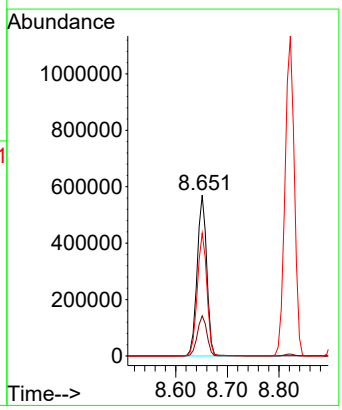


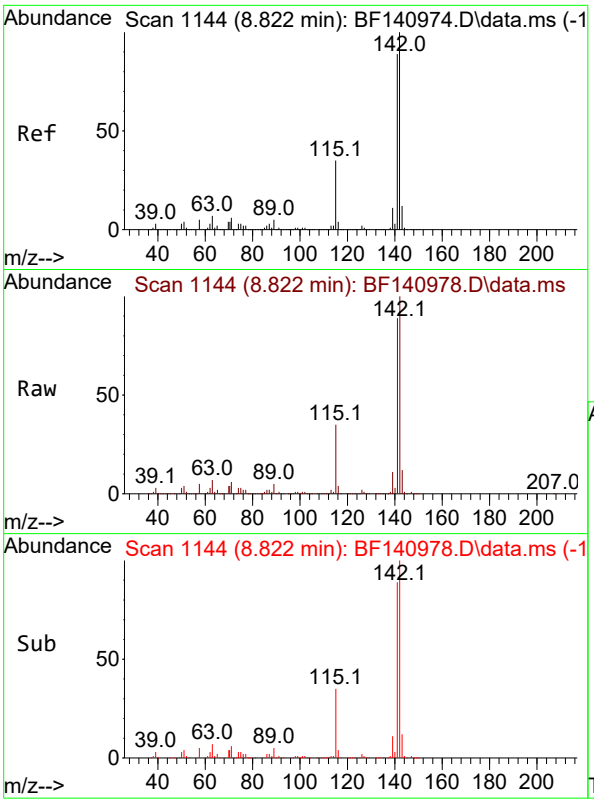


#36
4-Chloro-3-methylphenol
Concen: 42.714 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:107 Resp: 733502

Ion	Ratio	Lower	Upper
107	100		
144	25.0	19.9	29.9
142	76.4	61.8	92.8



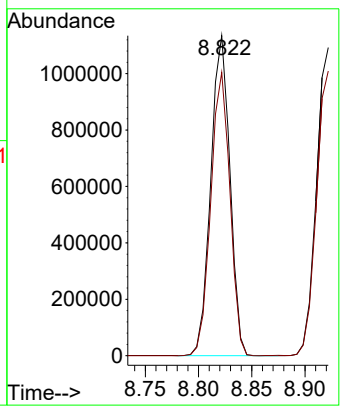


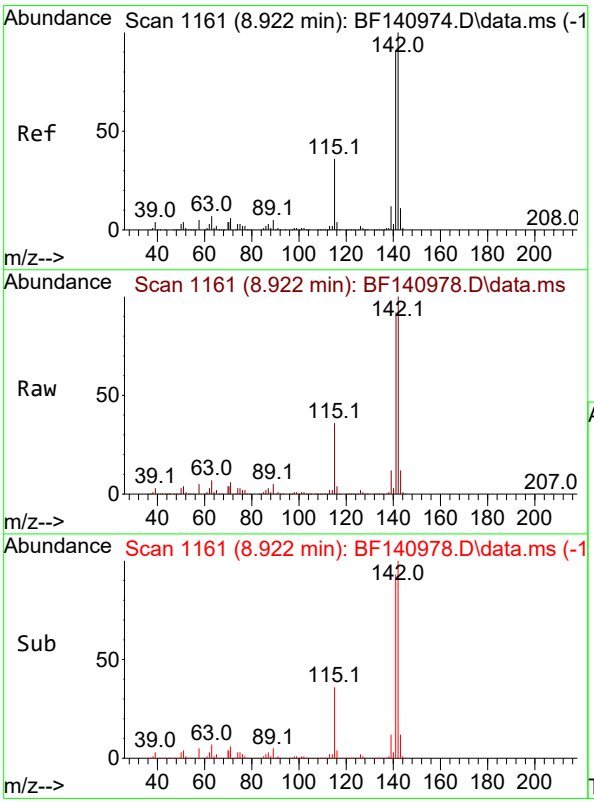
#37
2-Methylnaphthalene
Concen: 38.340 ng
RT: 8.822 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:142 Resp: 1417576

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.1	106.7

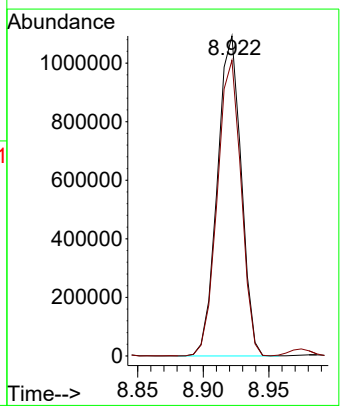


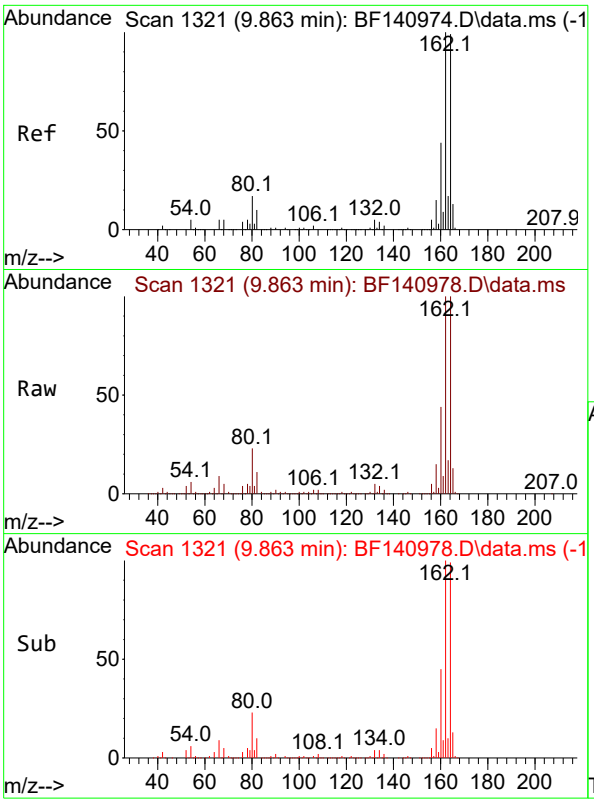


#38
1-Methylnaphthalene
Concen: 37.974 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:142 Resp: 1379859

Ion	Ratio	Lower	Upper
142	100		
141	92.4	72.7	109.1



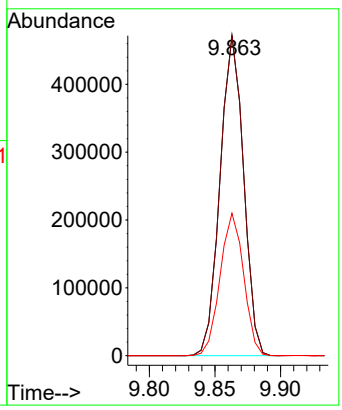


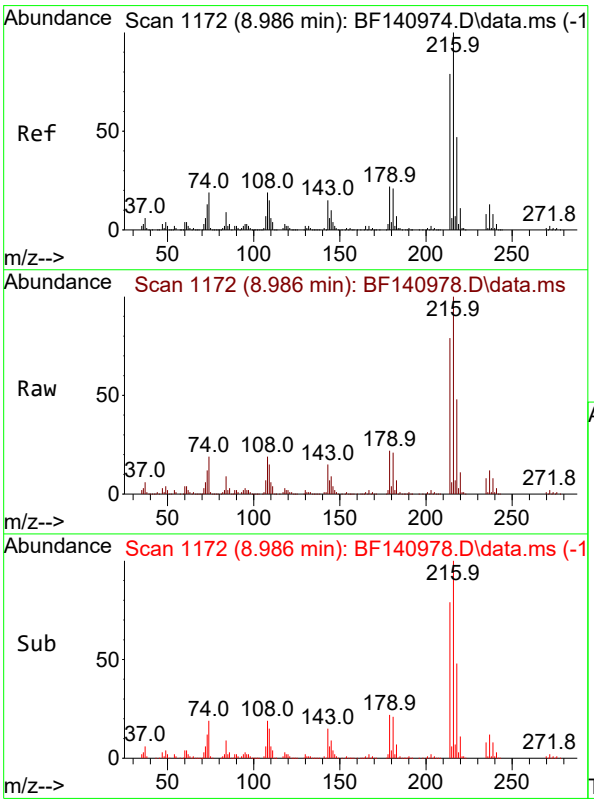
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:164 Resp: 586665

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.6	120.8
160	44.5	35.7	53.5

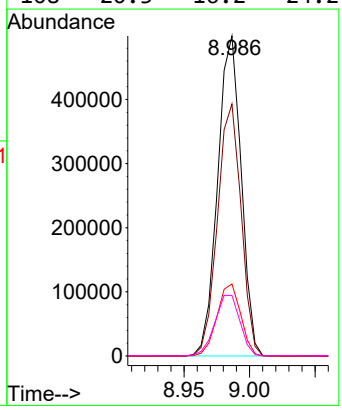


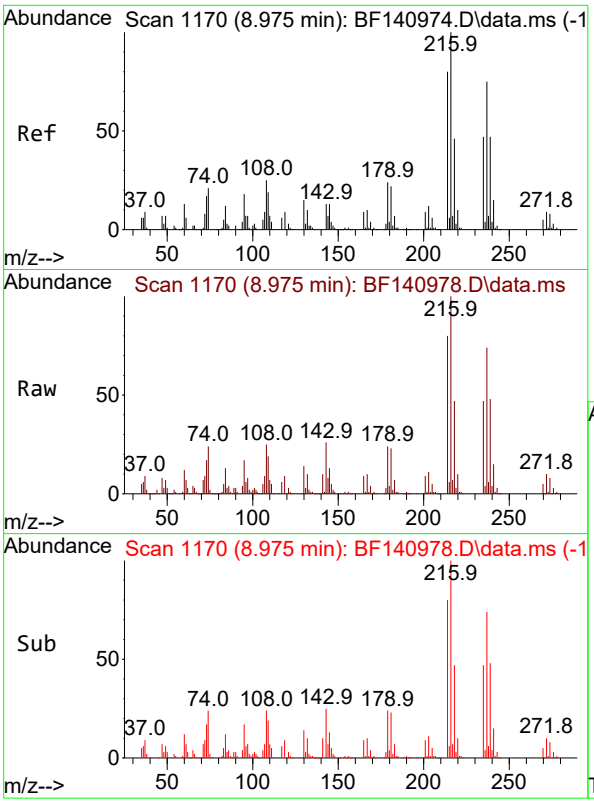


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.527 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:216 Resp: 621819

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.6
179	22.7	17.9	26.9
108	20.3	16.2	24.2



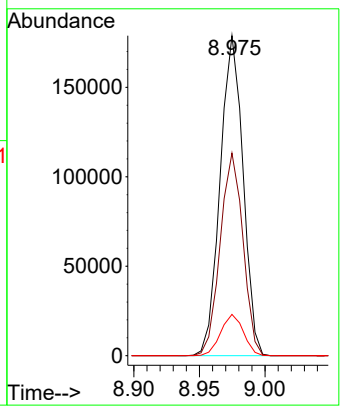


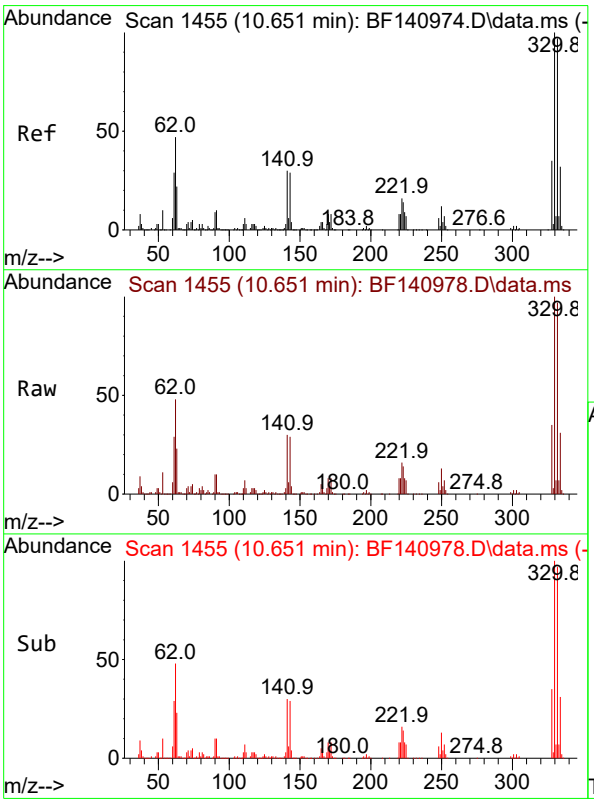
#41
Hexachlorocyclopentadiene
Concen: 40.560 ng
RT: 8.975 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:237 Resp: 216938

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.4	83.4
272	12.9	0.0	32.6

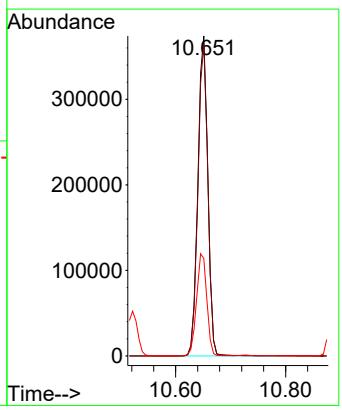


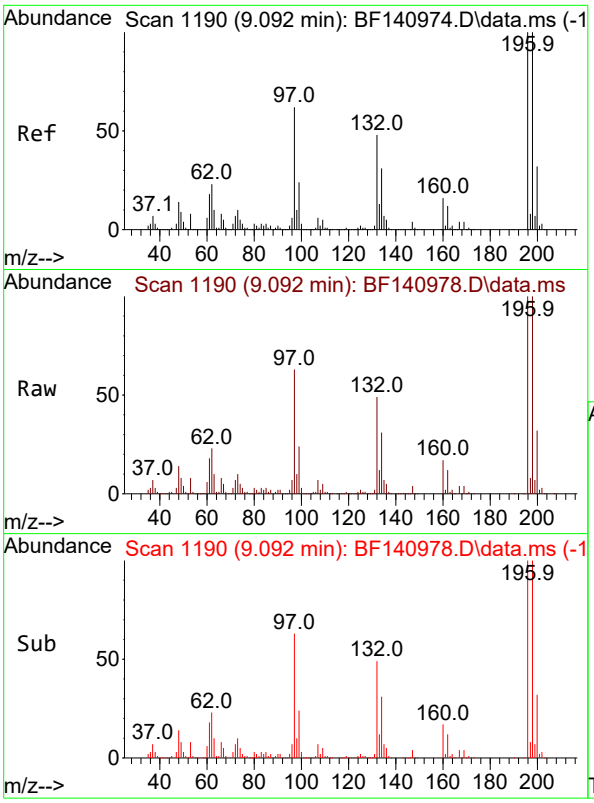


#42
2,4,6-Tribromophenol
Concen: 82.713 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:330 Resp: 471519

Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.0	117.0
141	33.0	26.4	39.6



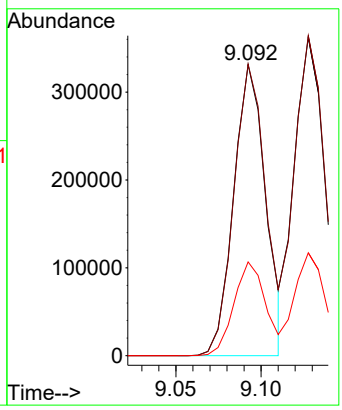


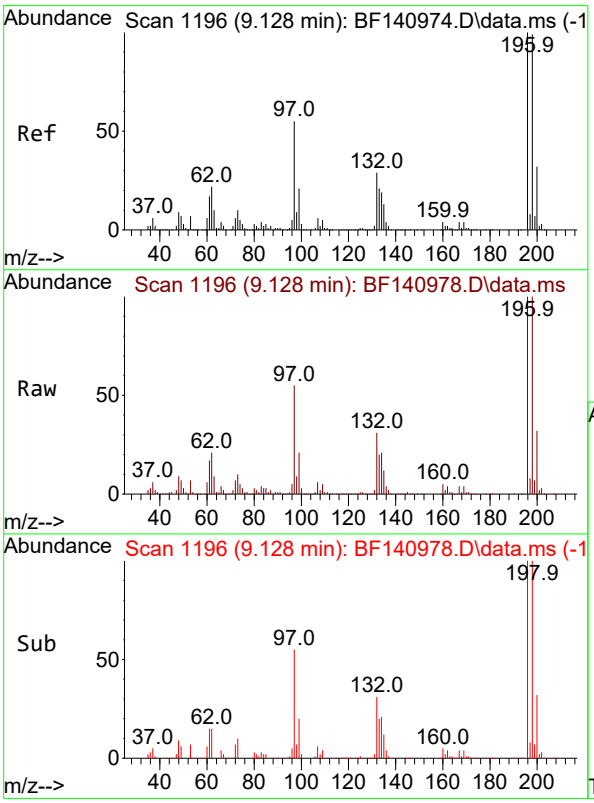
#43
2,4,6-Trichlorophenol
Concen: 40.180 ng
RT: 9.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:196 Resp: 431607

Ion	Ratio	Lower	Upper
196	100		
198	100.2	80.2	120.4
200	32.2	25.8	38.6

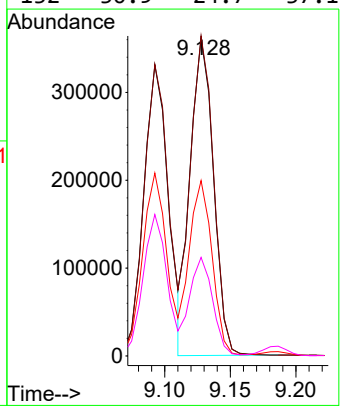


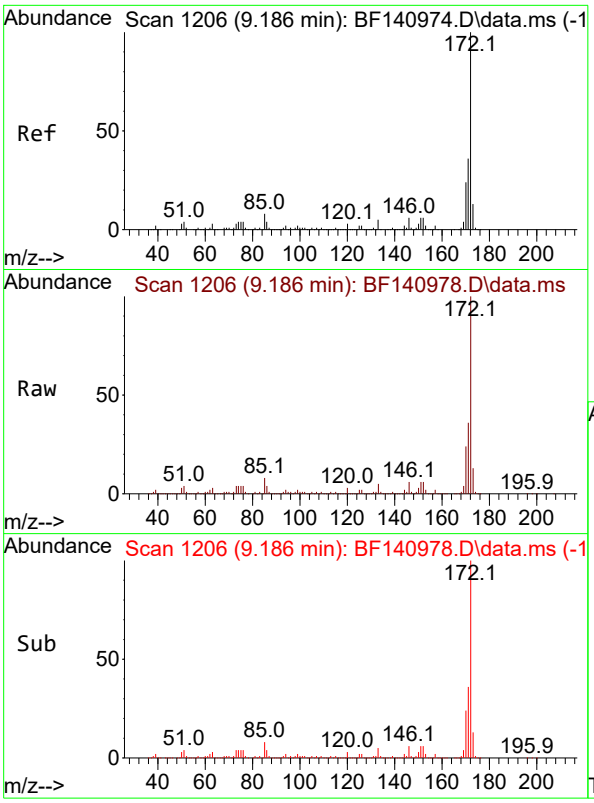


#44
2,4,5-Trichlorophenol
Concen: 40.663 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:196 Resp: 446928

Ion	Ratio	Lower	Upper
196	100		
198	100.5	79.9	119.9
97	55.1	44.3	66.5
132	30.9	24.7	37.1



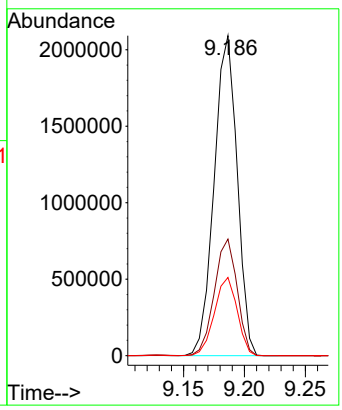


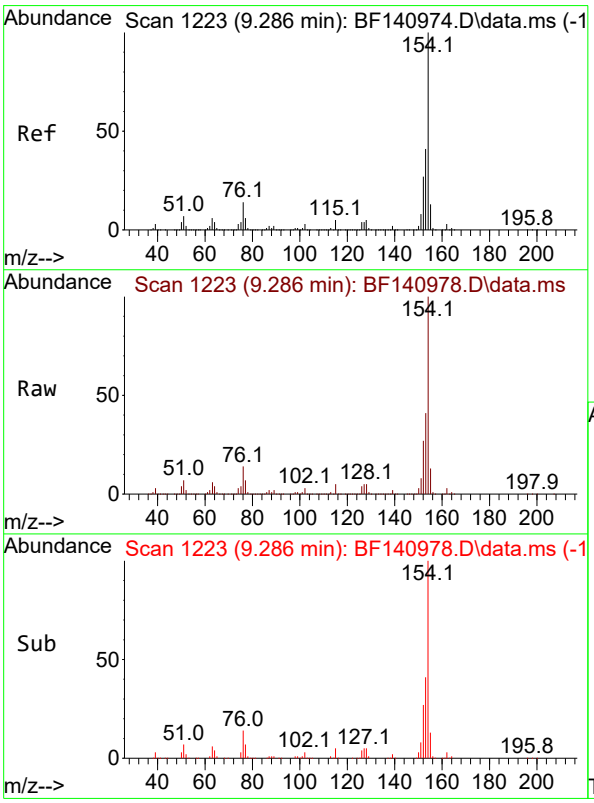
#45
2-Fluorobiphenyl
Concen: 74.821 ng
RT: 9.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:172 Resp: 2755058

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	24.4	19.6	29.4

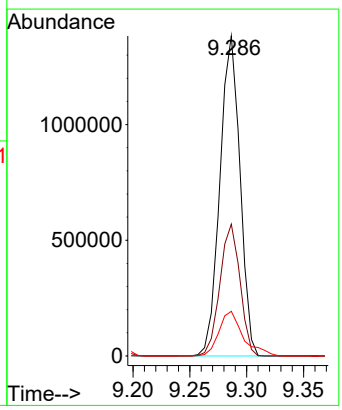


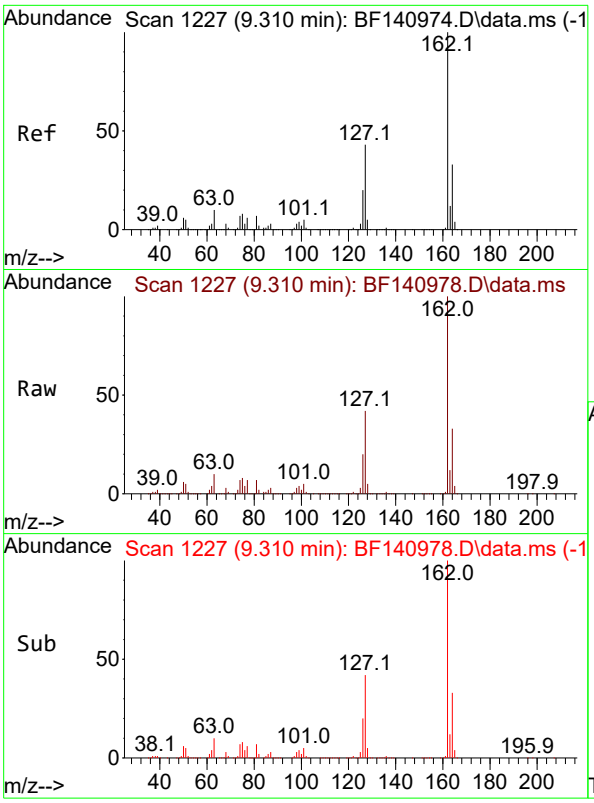


#46
1,1'-Biphenyl
Concen: 37.916 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:154 Resp: 1703208

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.9	60.9
76	14.0	0.0	34.0



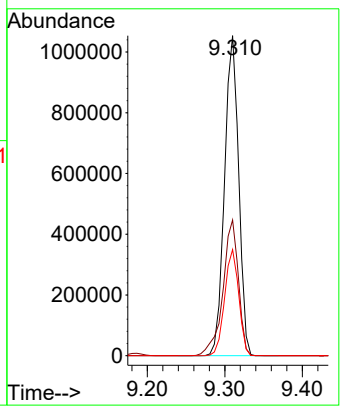


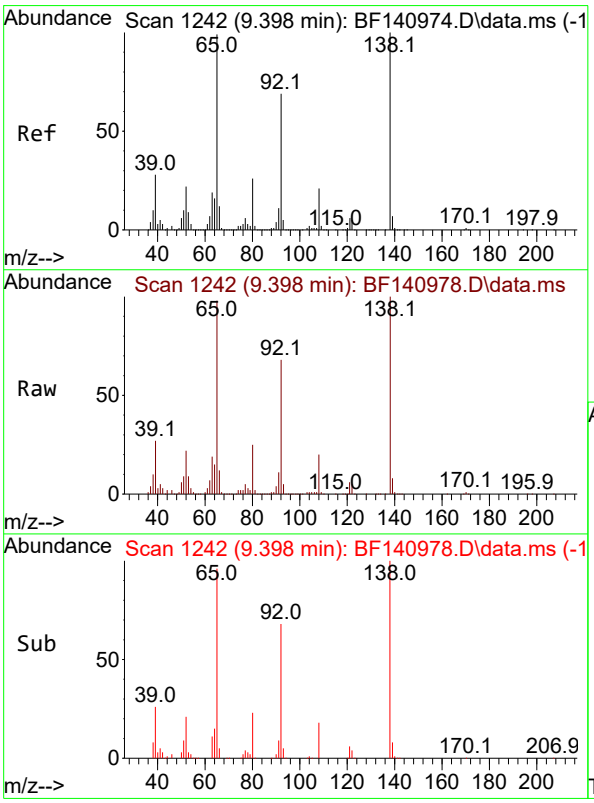
#47
2-Chloronaphthalene
Concen: 38.442 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:162 Resp: 1339282

Ion	Ratio	Lower	Upper
162	100		
127	42.4	34.2	51.4
164	33.2	26.6	40.0

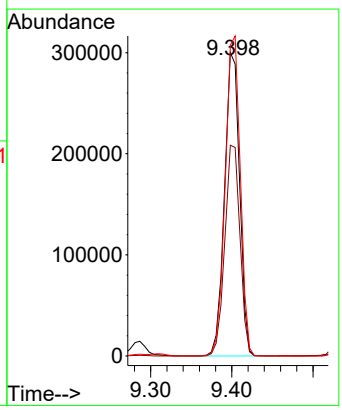


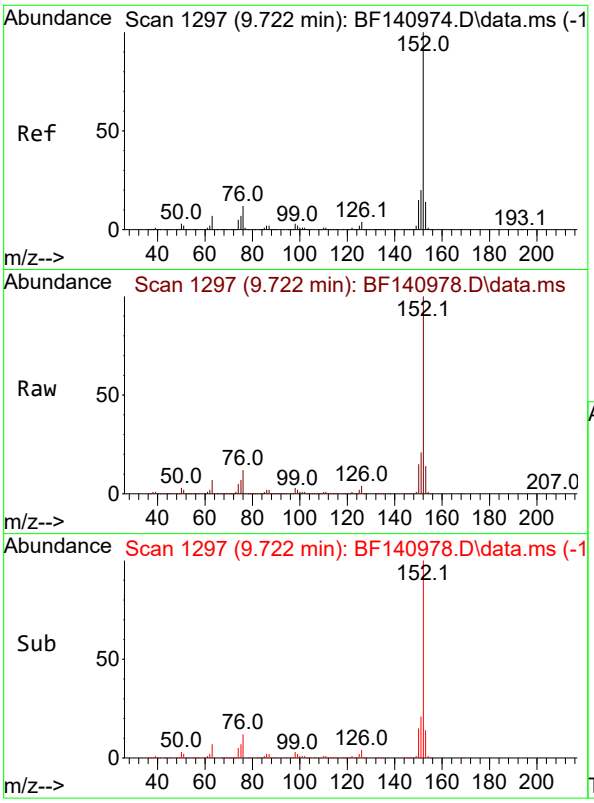


#48
2-Nitroaniline
Concen: 43.198 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 65 Resp: 389029

Ion	Ratio	Lower	Upper
65	100		
92	69.5	55.6	83.4
138	102.5	80.5	120.7



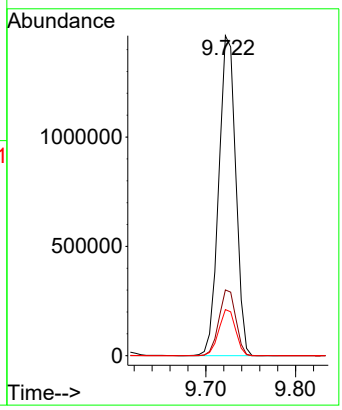


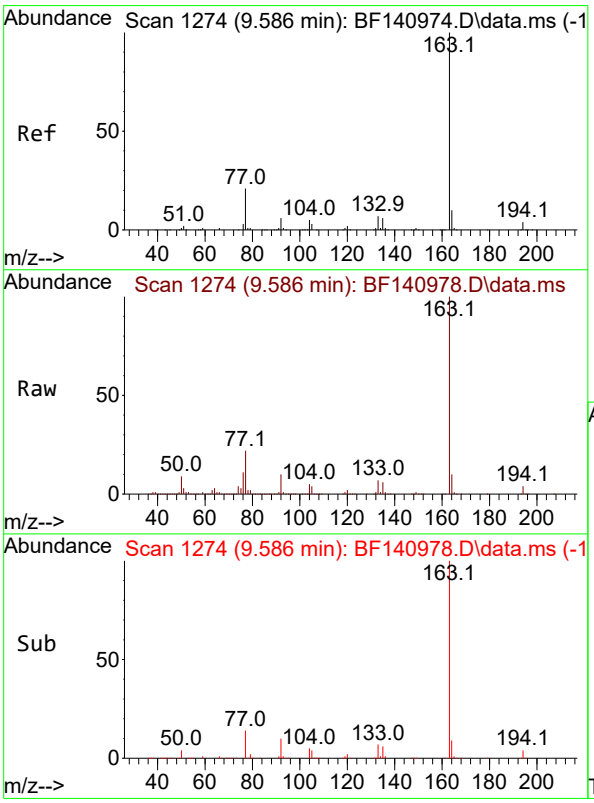
#49
Acenaphthylene
Concen: 38.272 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:152 Resp: 1919436

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4
153	14.4	11.4	17.0

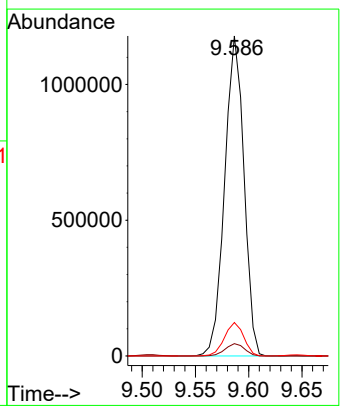


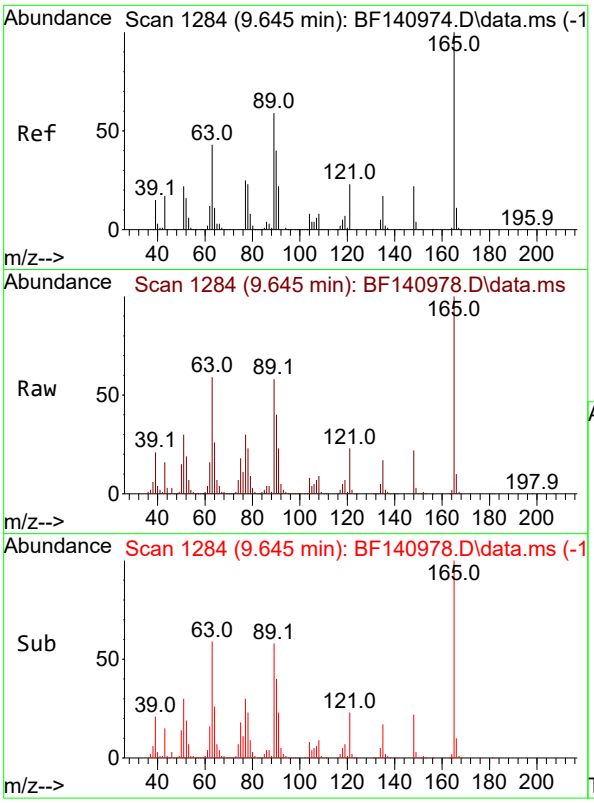


#50
Dimethylphthalate
Concen: 38.422 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:163 Resp: 1482676

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.3	12.5



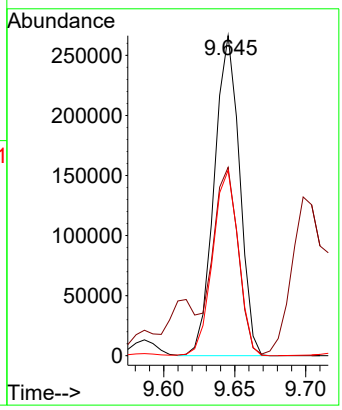


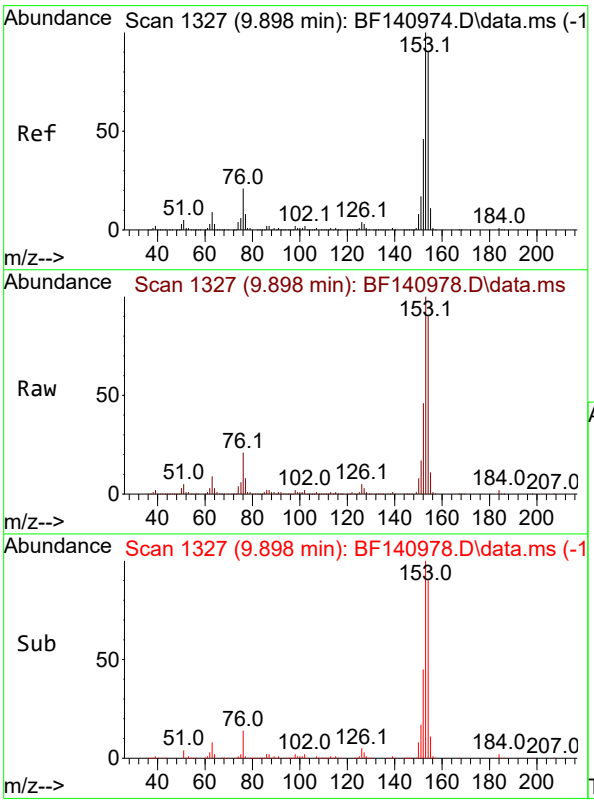
#51
2,6-Dinitrotoluene
Concen: 42.386 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:165 Resp: 329921

Ion	Ratio	Lower	Upper
165	100		
63	58.9	47.1	70.7
89	57.9	47.0	70.4

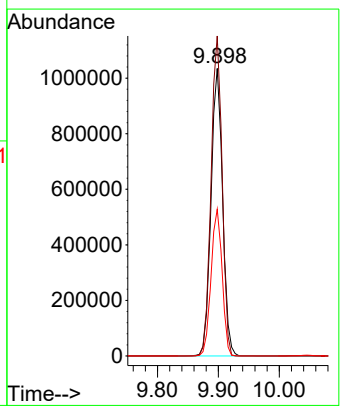


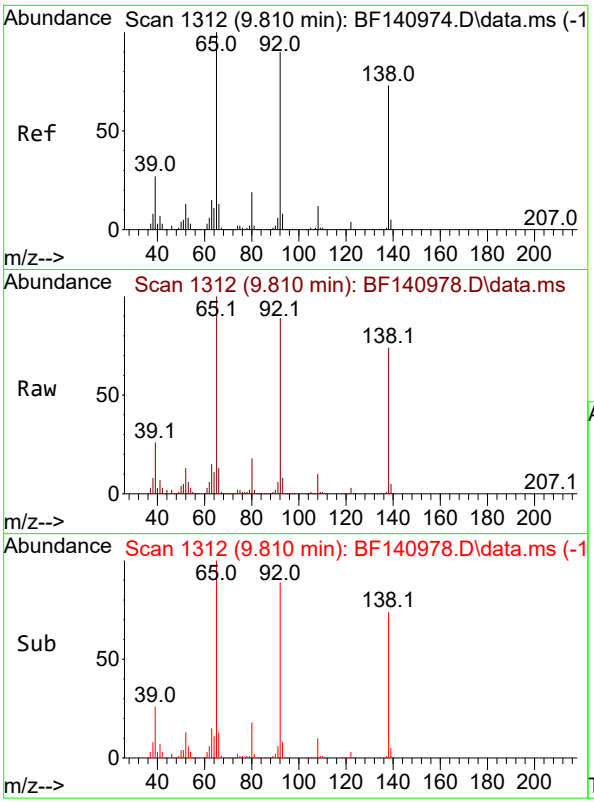


#52
Acenaphthene
Concen: 40.168 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:154 Resp: 1361911

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.2	133.8
152	51.0	40.9	61.3



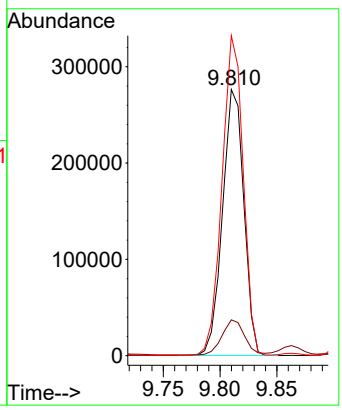


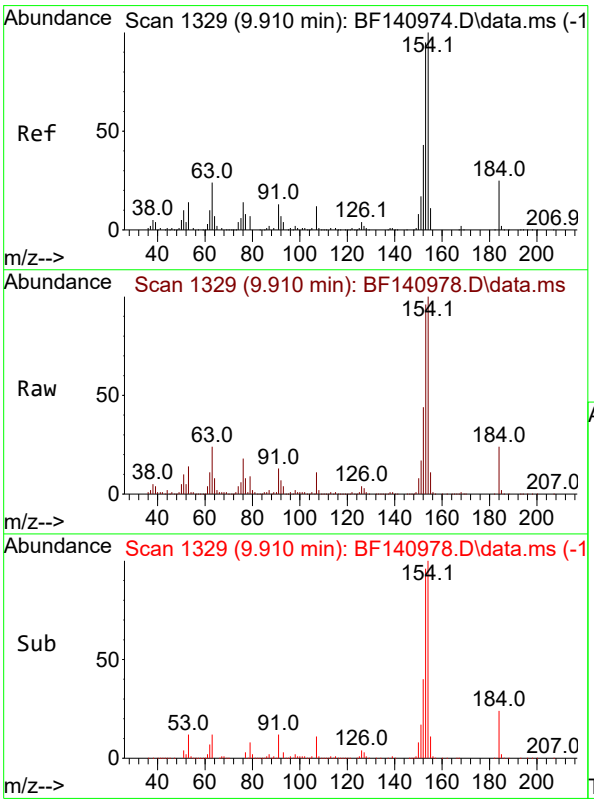
#53
3-Nitroaniline
Concen: 42.522 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:138 Resp: 360491

Ion	Ratio	Lower	Upper
138	100		
108	13.4	13.5	20.3#
92	120.2	97.7	146.5

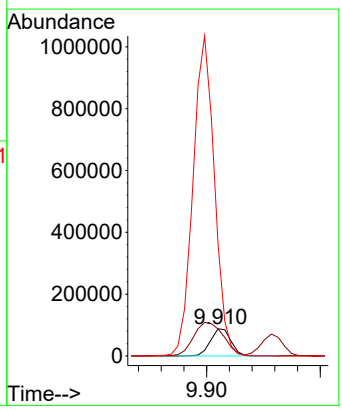


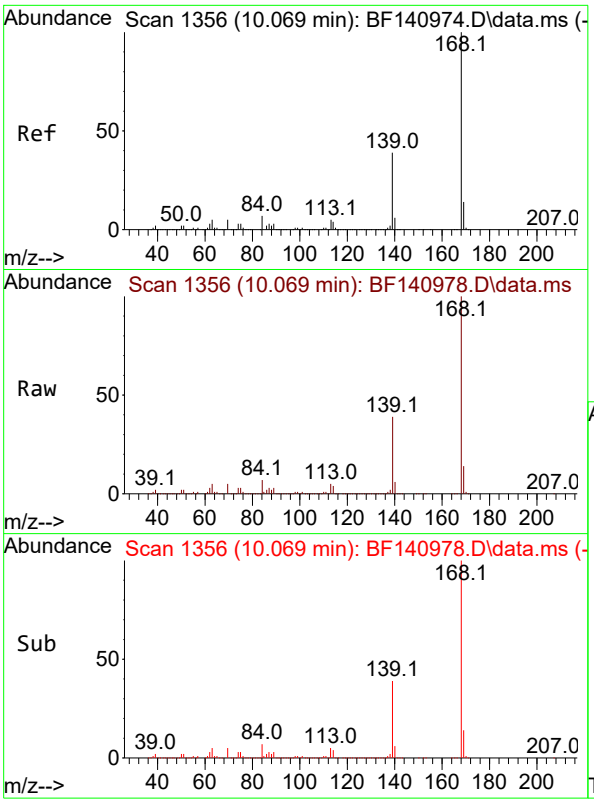


#54
2,4-Dinitrophenol
Concen: 45.538 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:184 Resp: 110045

Ion	Ratio	Lower	Upper
184	100		
63	99.5	81.6	122.4
154	410.3	363.5	545.3



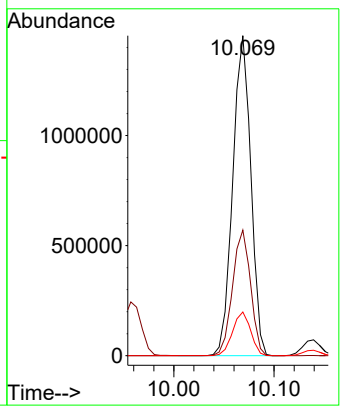


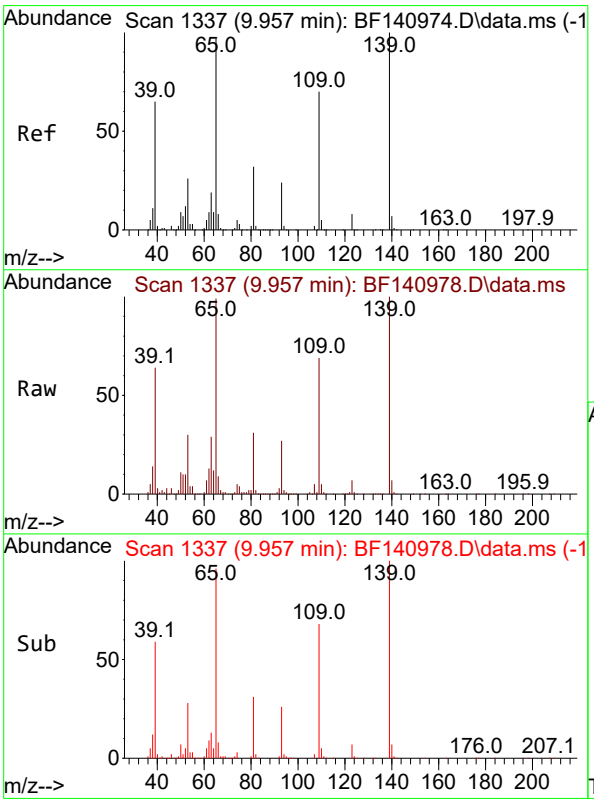
#55
Dibenzofuran
Concen: 38.318 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:168 Resp: 1825813

Ion	Ratio	Lower	Upper
168	100		
139	39.2	31.6	47.4
169	13.6	11.0	16.6

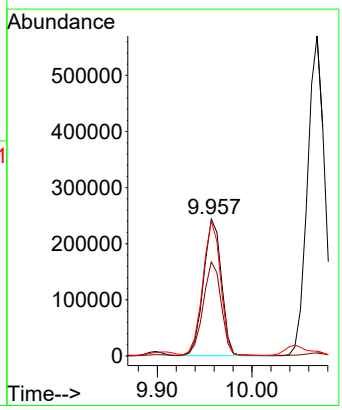


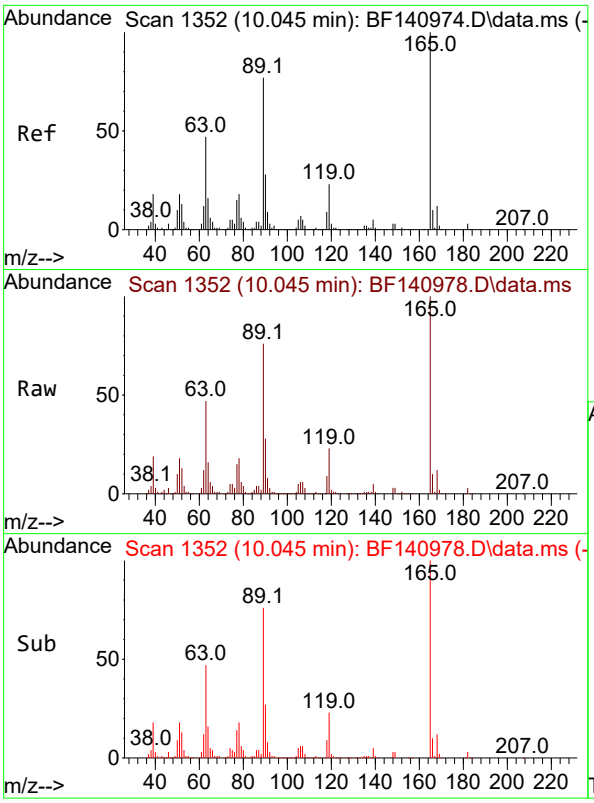


#56
4-Nitrophenol
Concen: 48.593 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:139 Resp: 320756

Ion	Ratio	Lower	Upper
139	100		
109	68.6	50.8	90.8
65	98.5	78.5	118.5



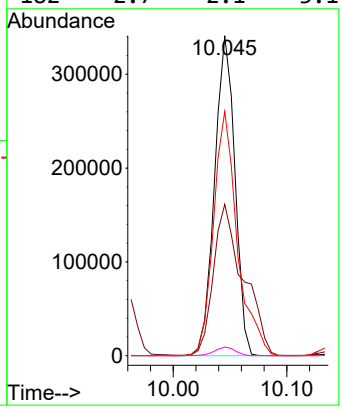


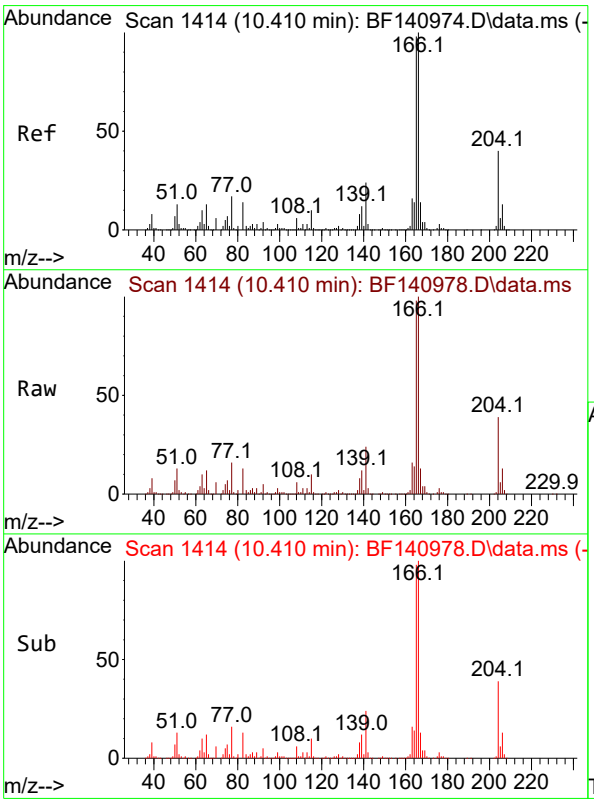
#57
2,4-Dinitrotoluene
Concen: 44.506 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:165 Resp: 425111

Ion	Ratio	Lower	Upper
165	100		
63	47.3	38.1	57.1
89	76.3	61.4	92.2
182	2.7	2.1	3.1

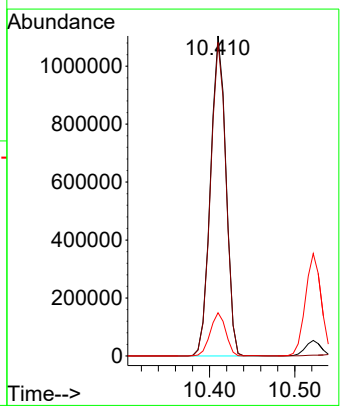


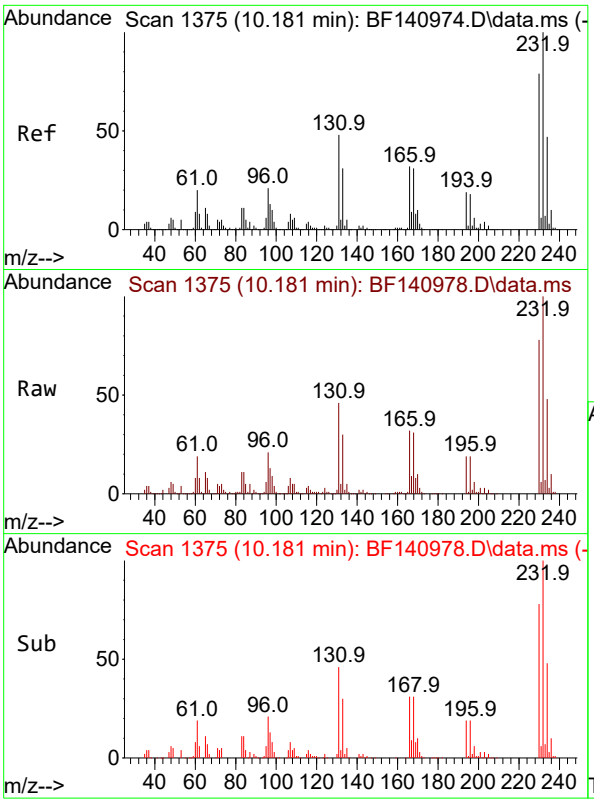


#58
Fluorene
Concen: 37.668 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:166 Resp: 1391829

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.3	117.5
167	13.5	10.9	16.3



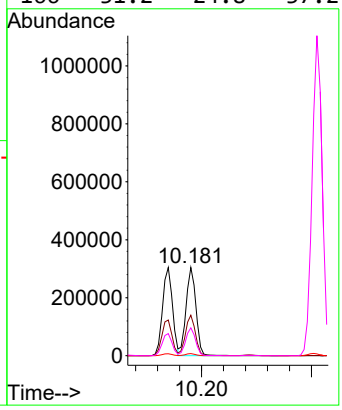


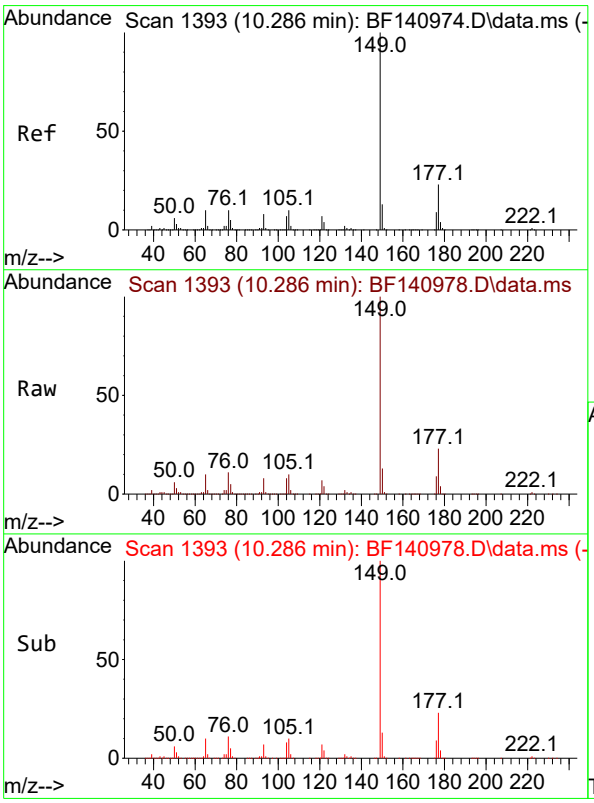
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.681 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:232 Resp: 379409

Ion	Ratio	Lower	Upper
232	100		
131	45.6	37.4	56.2
130	2.3	1.8	2.8
166	31.2	24.8	37.2

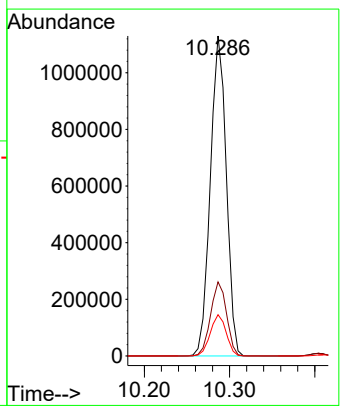


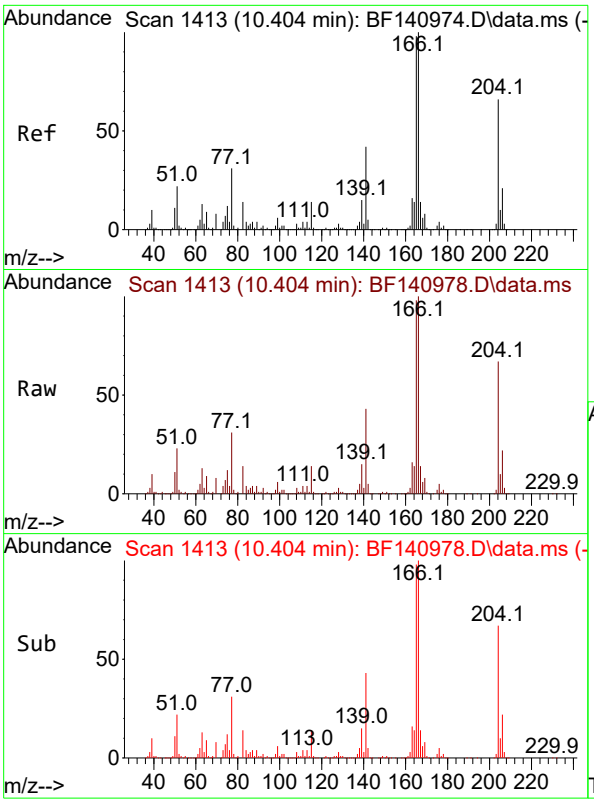


#60
Diethylphthalate
Concen: 38.629 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:149 Resp: 1471636

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.3	27.5
150	12.9	10.4	15.6



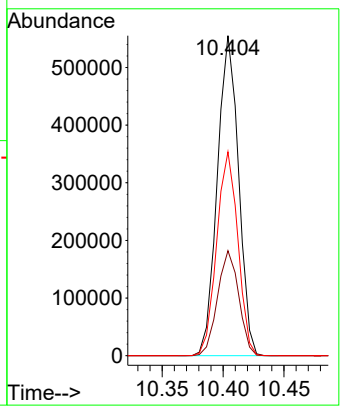


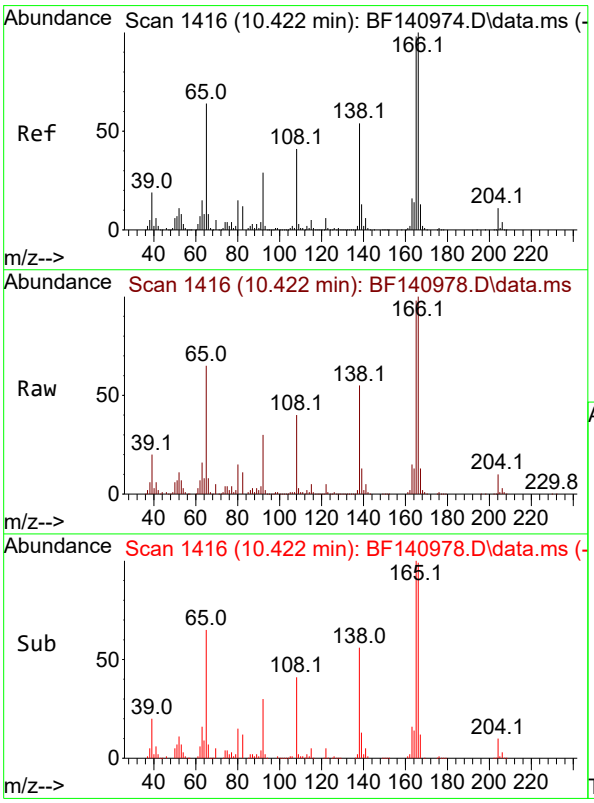
#61
4-Chlorophenyl-phenylether
Concen: 37.928 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:204 Resp: 674323

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.6
141	63.7	51.2	76.8

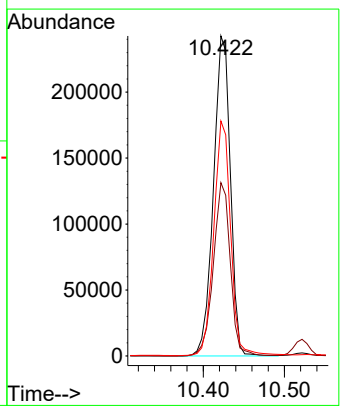


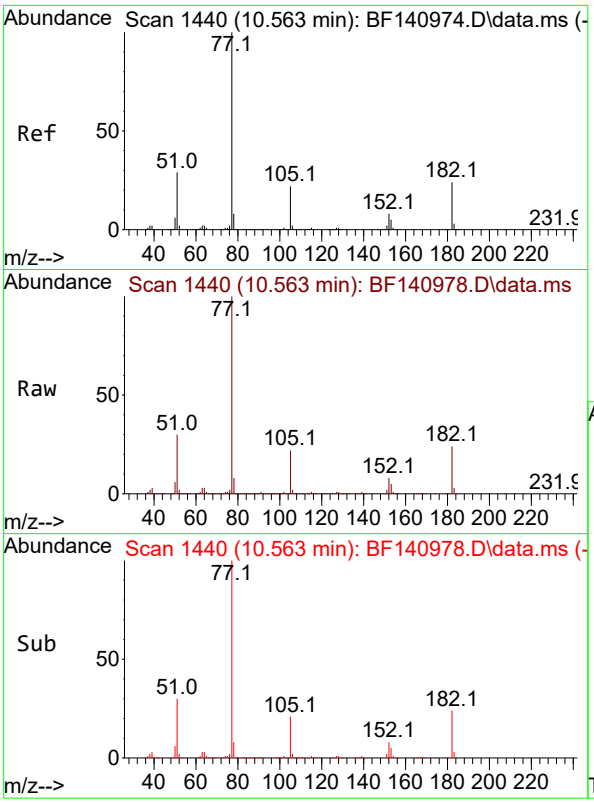


#62
4-Nitroaniline
Concen: 41.571 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:138 Resp: 351313

Ion	Ratio	Lower	Upper
138	100		
92	54.1	34.8	74.8
108	73.4	55.9	95.9



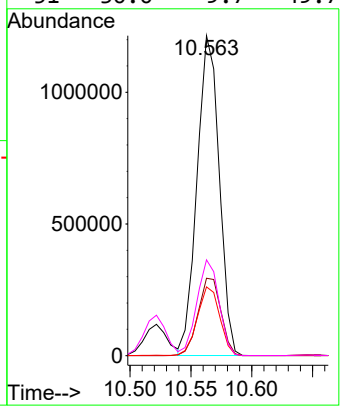


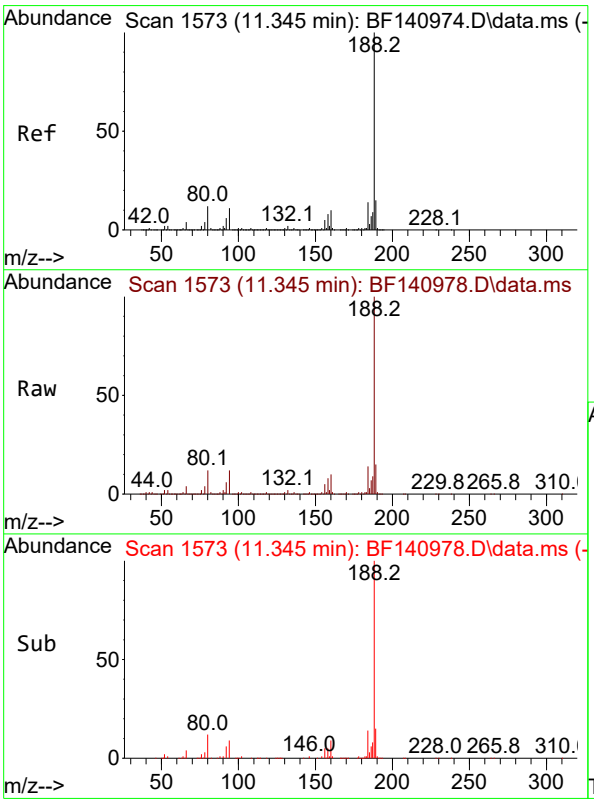
#63
Azobenzene
Concen: 38.471 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion: 77 Resp: 1538321

Ion	Ratio	Lower	Upper
77	100		
182	24.2	4.1	44.1
105	21.5	1.8	41.8
51	30.0	9.7	49.7

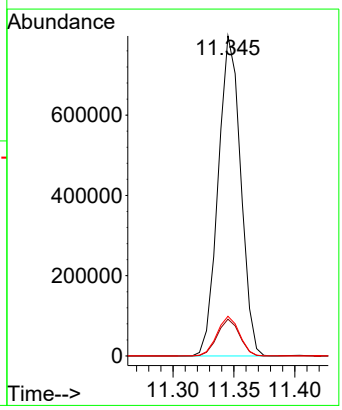


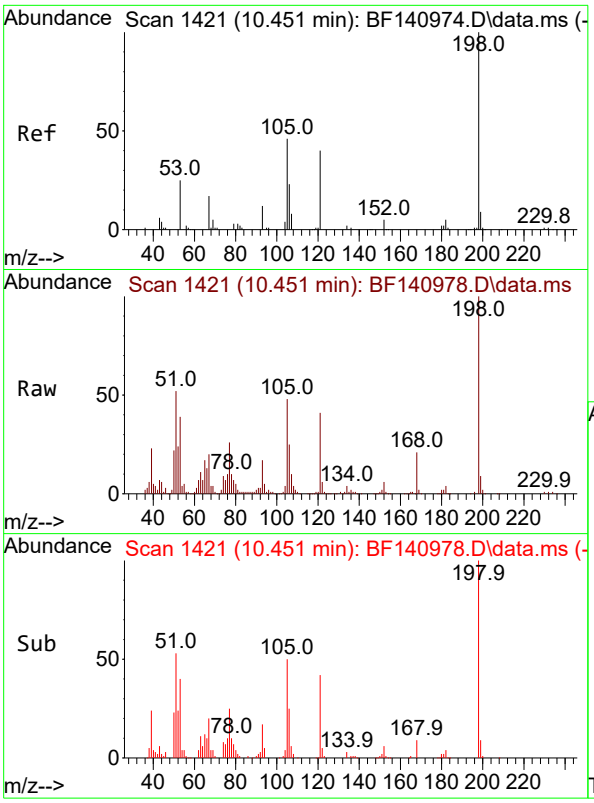


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:188 Resp: 1025959

Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.0	13.6
80	12.4	9.8	14.6



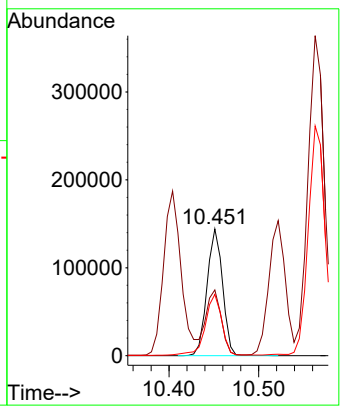


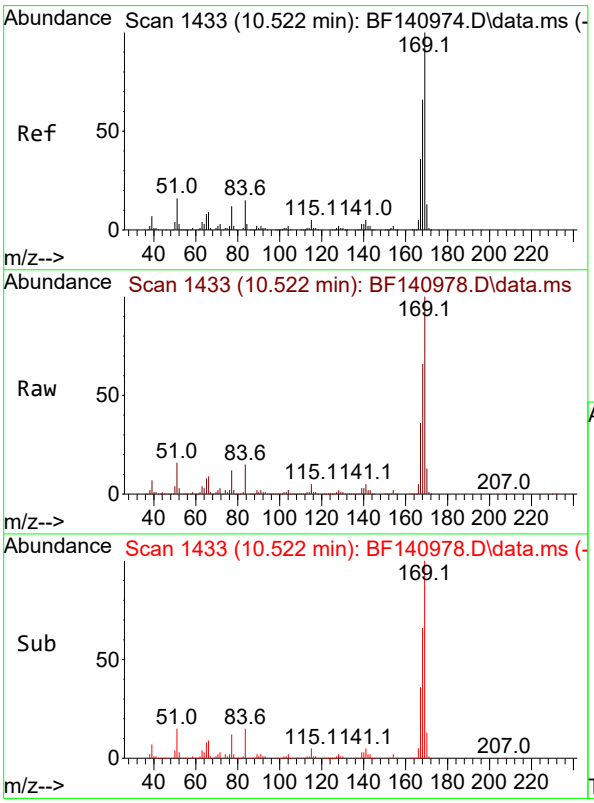
#65
4,6-Dinitro-2-methylphenol
Concen: 43.296 ng
RT: 10.451 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:198 Resp: 172455

Ion	Ratio	Lower	Upper
198	100		
51	51.9	32.3	72.3
105	48.3	28.4	68.4

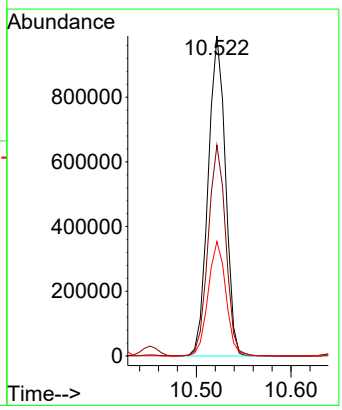


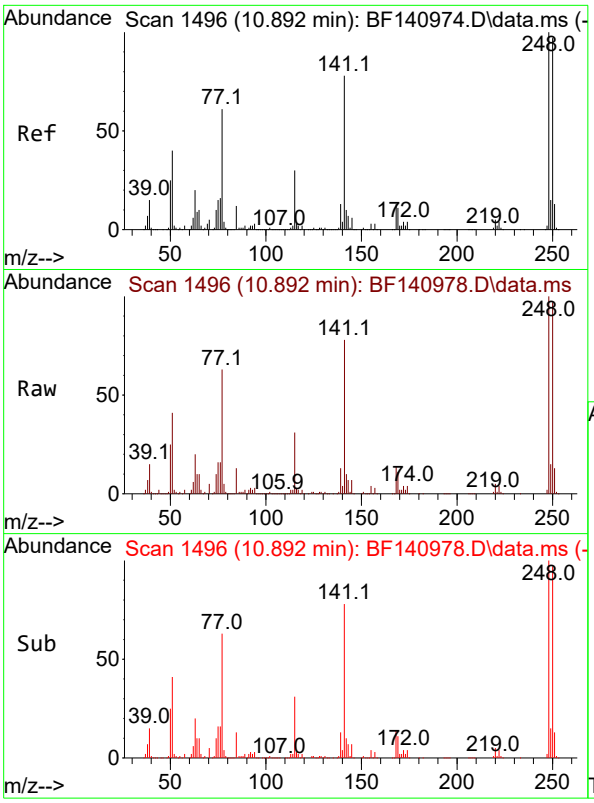


#66
n-Nitrosodiphenylamine
Concen: 38.777 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:169 Resp: 1252782

Ion	Ratio	Lower	Upper
169	100		
168	65.8	52.6	79.0
167	35.8	29.0	43.4



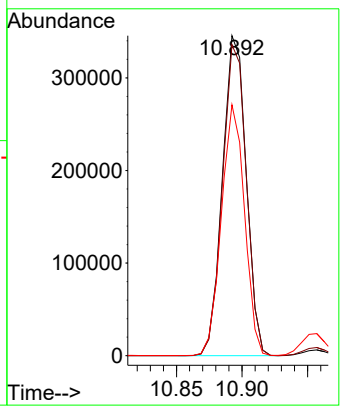


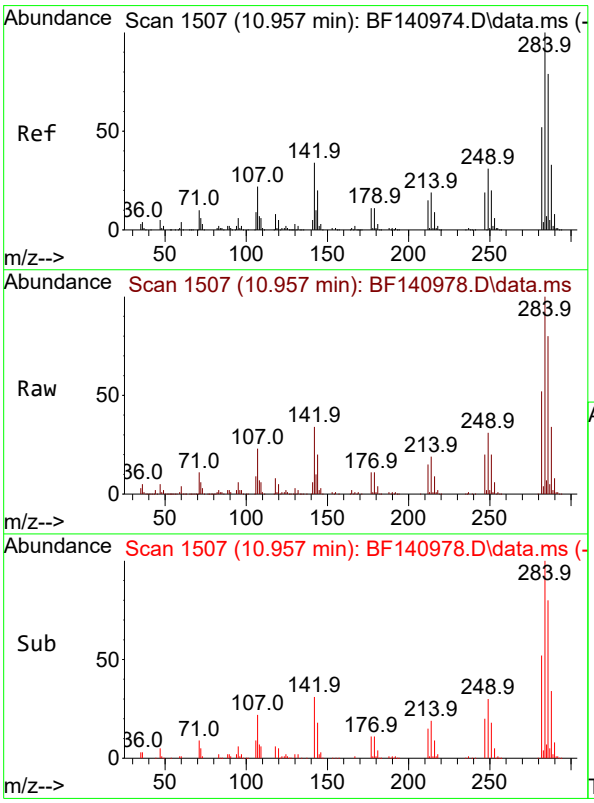
#67
4-Bromophenyl-phenylether
Concen: 39.247 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:248 Resp: 435284

Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.7	116.5
141	78.4	62.1	93.1

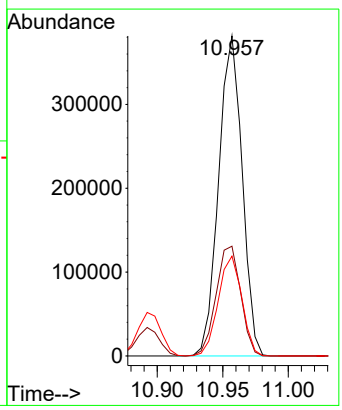


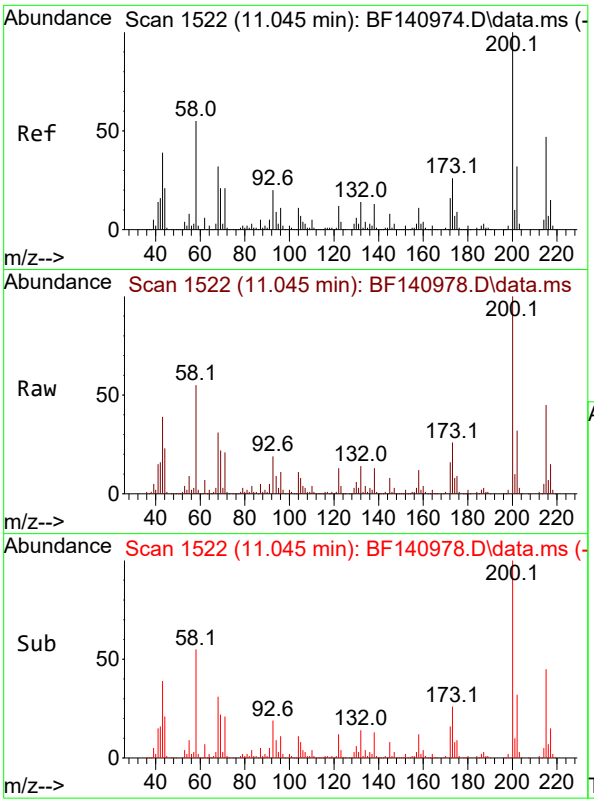


#68
Hexachlorobenzene
Concen: 38.890 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:284 Resp: 475602

Ion	Ratio	Lower	Upper
284	100		
142	34.3	27.1	40.7
249	31.2	25.1	37.7



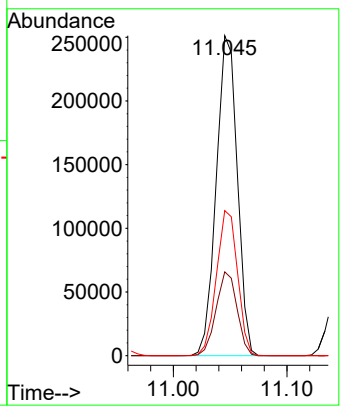


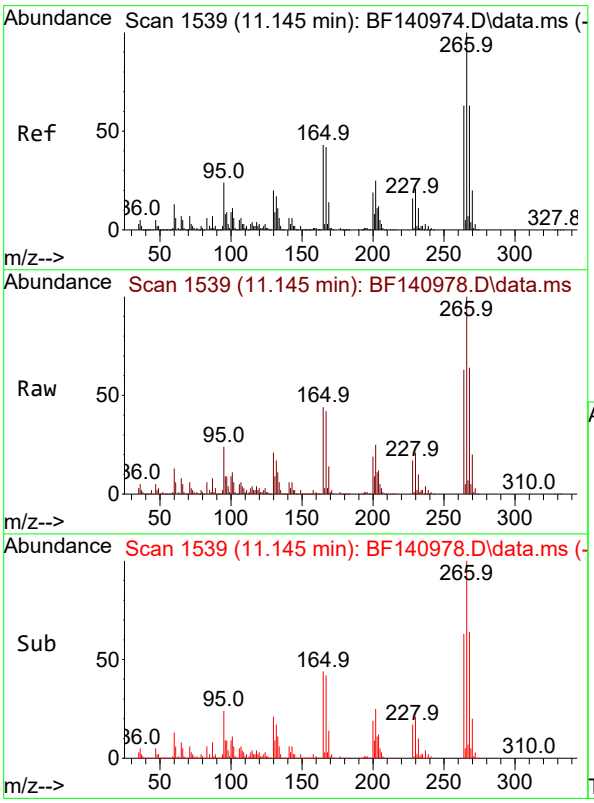
#69
Atrazine
Concen: 35.858 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:200 Resp: 323638

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.4	46.4
215	45.3	27.2	67.2

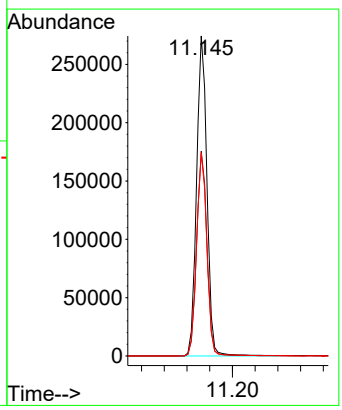


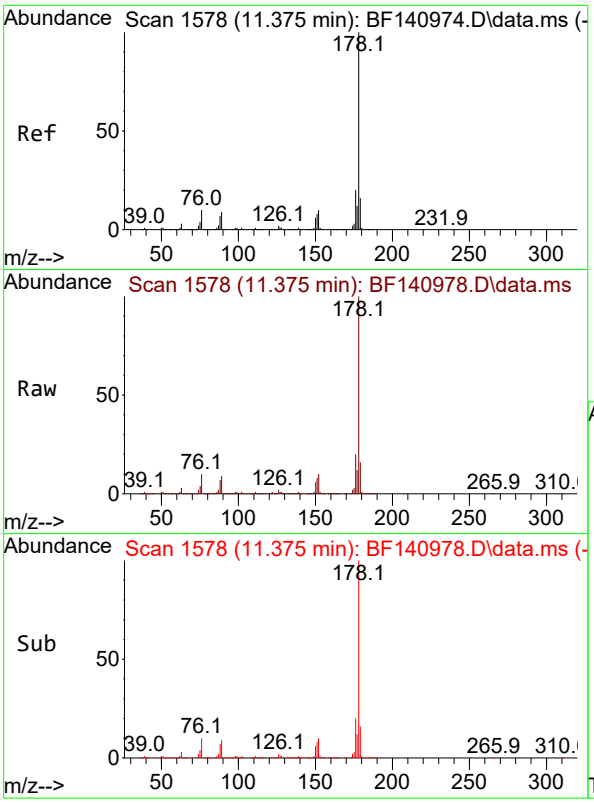


#70
Pentachlorophenol
Concen: 45.869 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:266 Resp: 349248

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.5	75.7
264	63.4	50.2	75.4



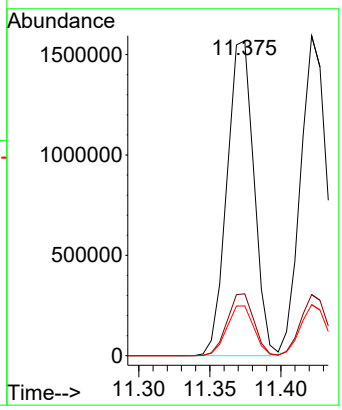


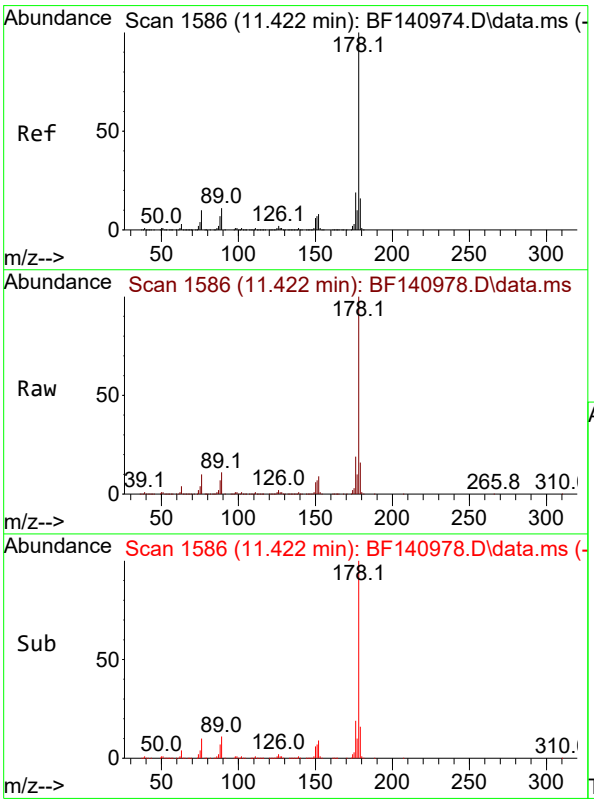
#71
Phenanthrene
Concen: 38.373 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:178 Resp: 2072012

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	15.8	12.6	19.0

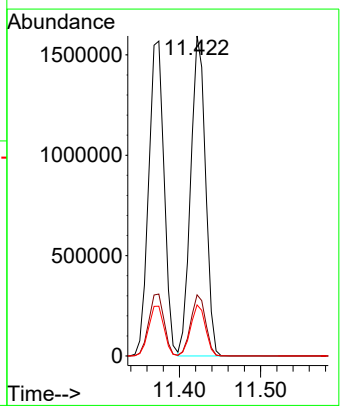


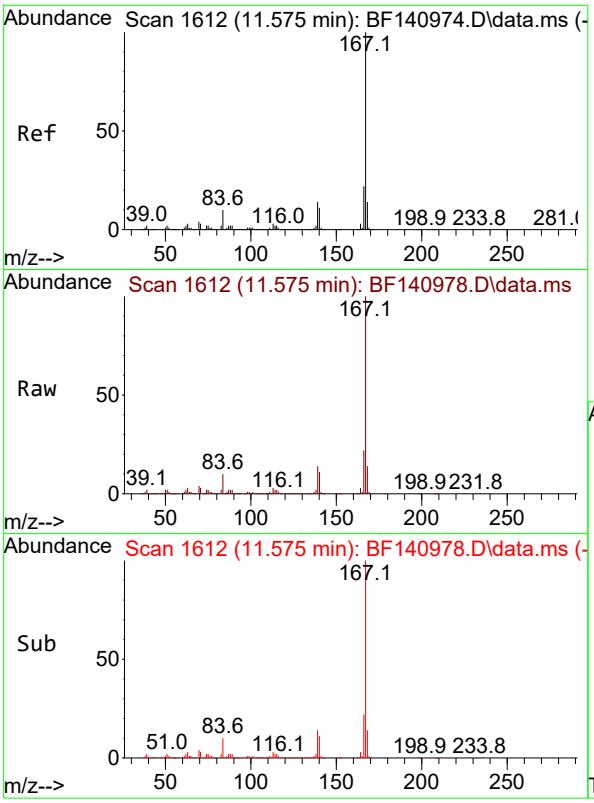


#72
Anthracene
Concen: 38.325 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:178 Resp: 2027823

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	16.0	12.9	19.3



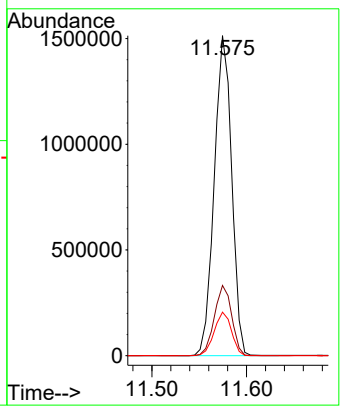


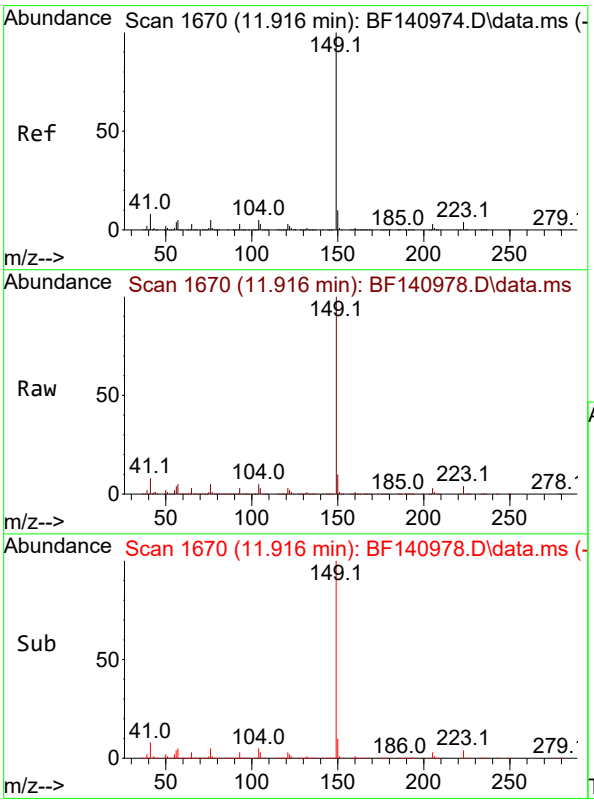
#73
Carbazole
Concen: 38.096 ng
RT: 11.575 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:167 Resp: 1937732

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.5	26.3
139	13.6	11.0	16.4

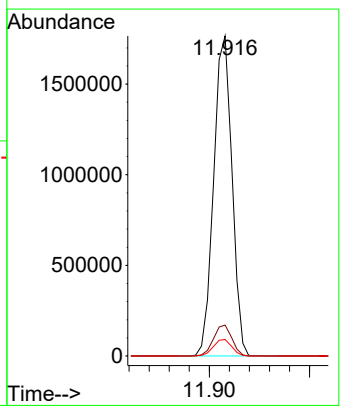


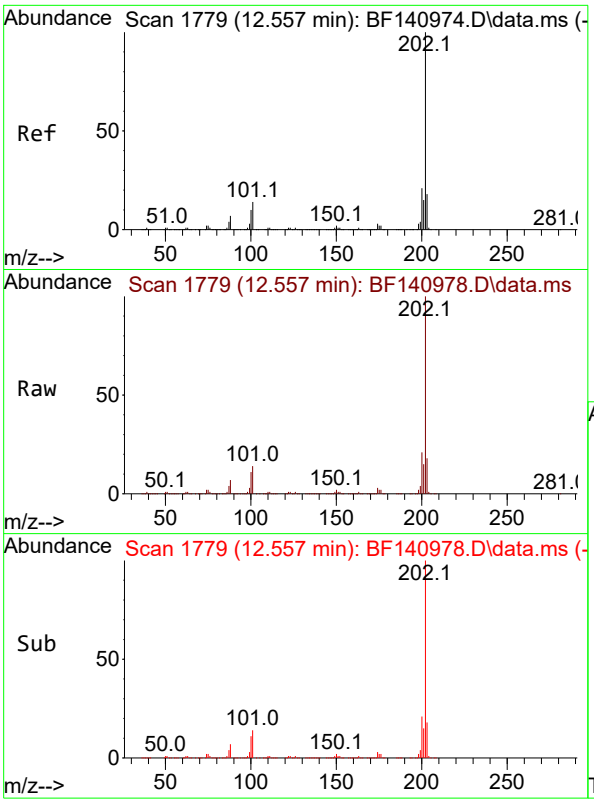


#74
Di-n-butylphthalate
Concen: 38.673 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:149 Resp: 2237362

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	5.1	4.1	6.1



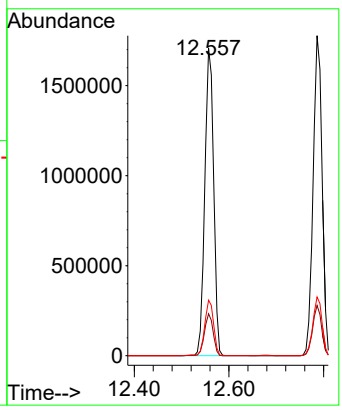


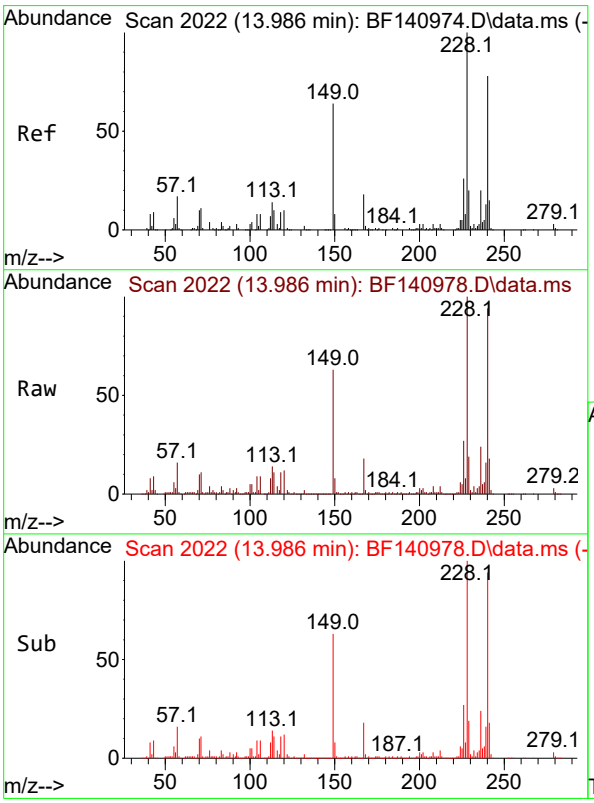
#75
Fluoranthene
Concen: 37.724 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:202 Resp: 2209244

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.7
203	18.1	0.0	38.1

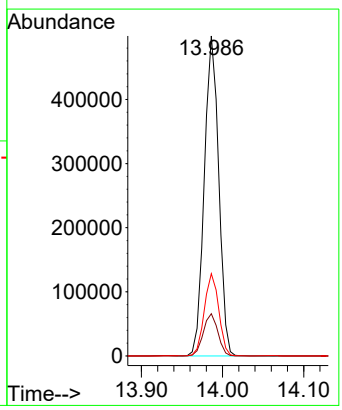


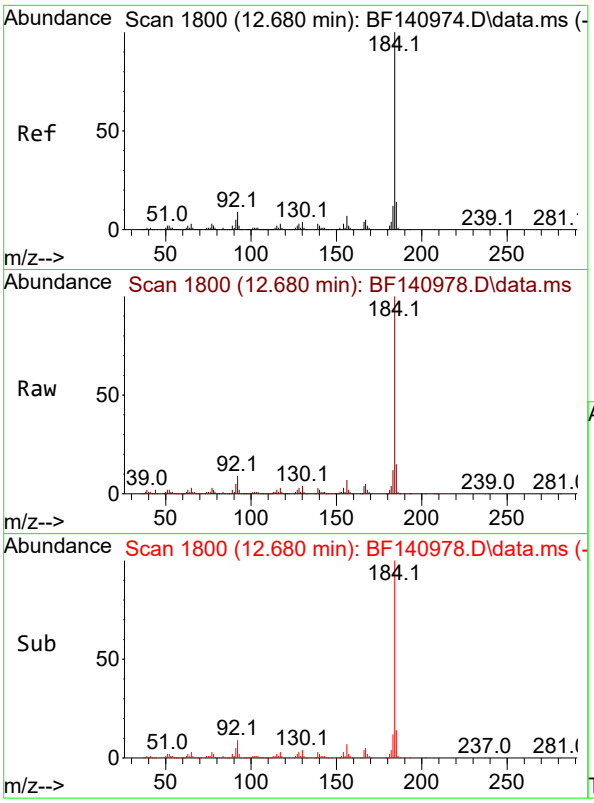


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:240 Resp: 614249

Ion	Ratio	Lower	Upper
240	100		
120	13.2	10.7	16.1
236	25.7	20.6	31.0



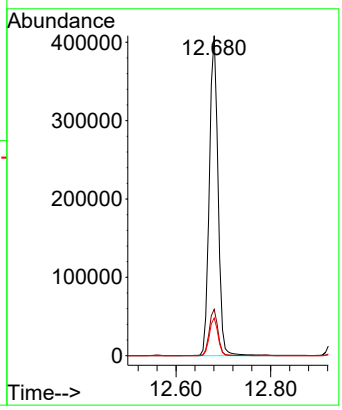


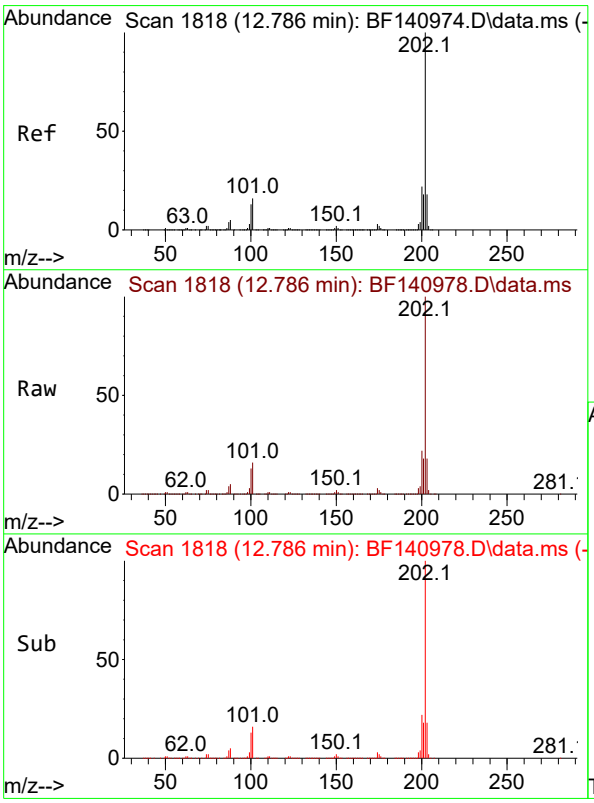
#77
Benzidine
Concen: 40.101 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:184 Resp: 520577

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.2
183	11.8	9.4	14.0

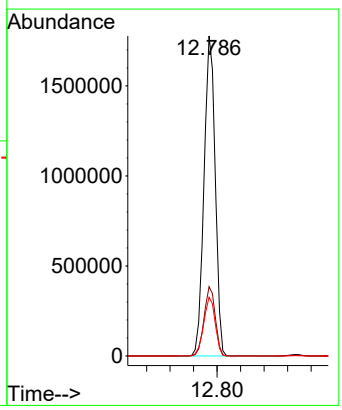


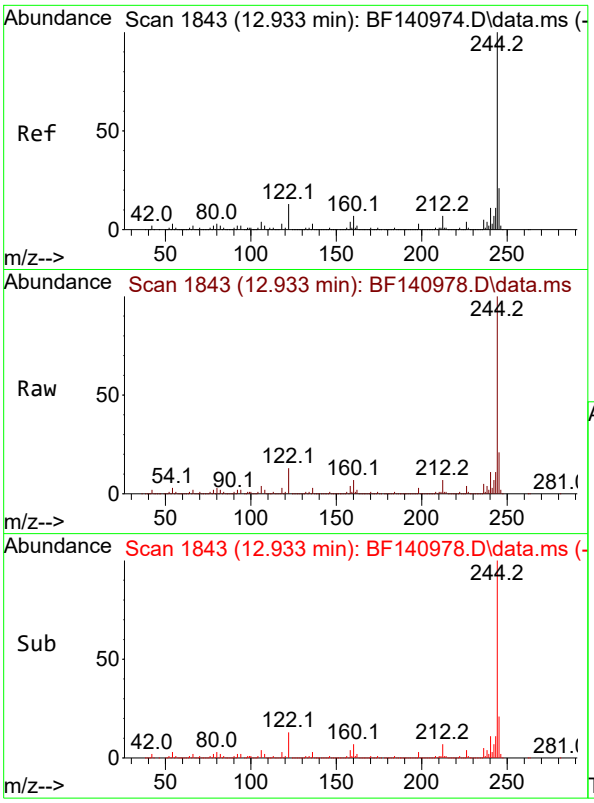


#78
Pyrene
Concen: 43.575 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:202 Resp: 2340872

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.3	25.9
203	18.4	14.6	21.8



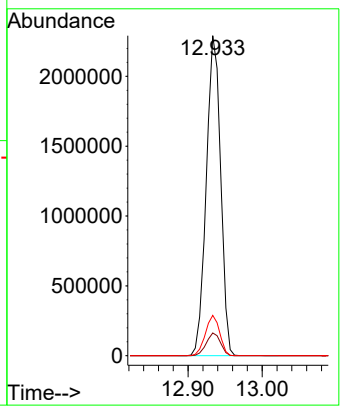


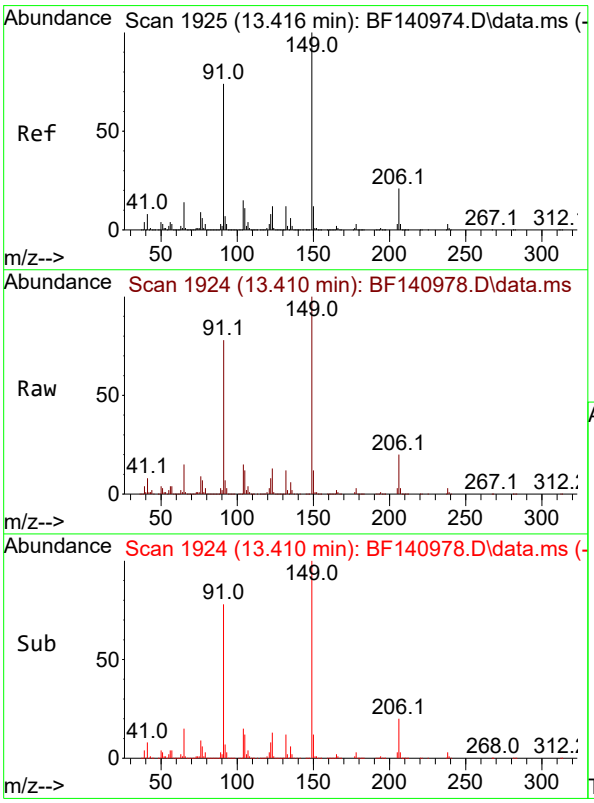
#79
Terphenyl-d14
Concen: 83.347 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:244 Resp: 3082241

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.6	10.2	15.2

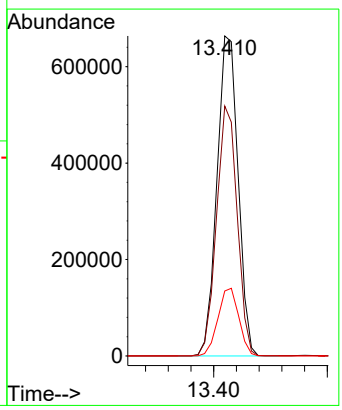


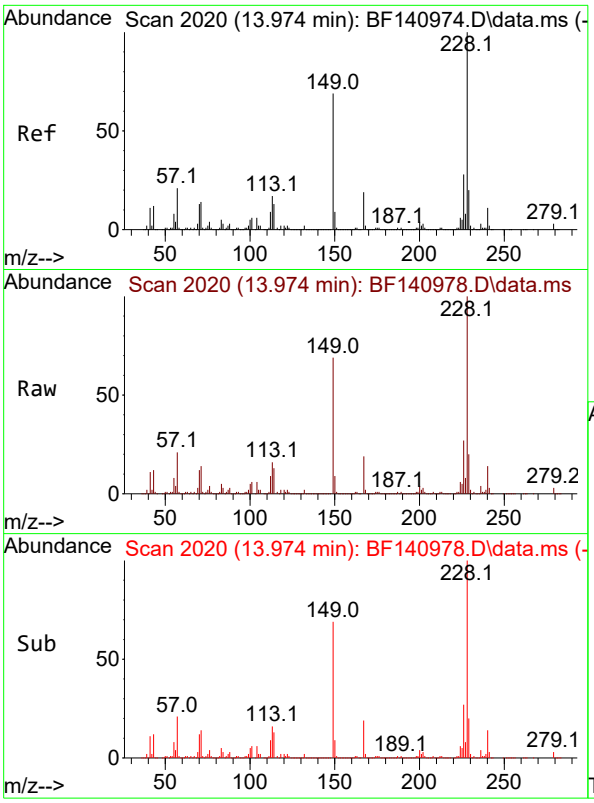


#80
Butylbenzylphthalate
Concen: 43.715 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:149 Resp: 857532

Ion	Ratio	Lower	Upper
149	100		
91	78.1	59.5	89.3
206	20.3	17.1	25.7



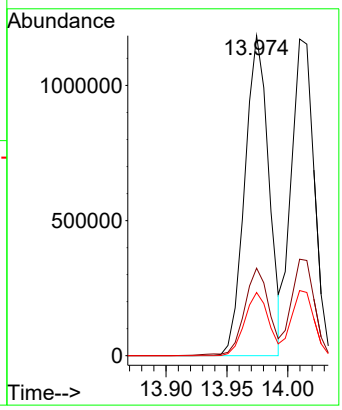


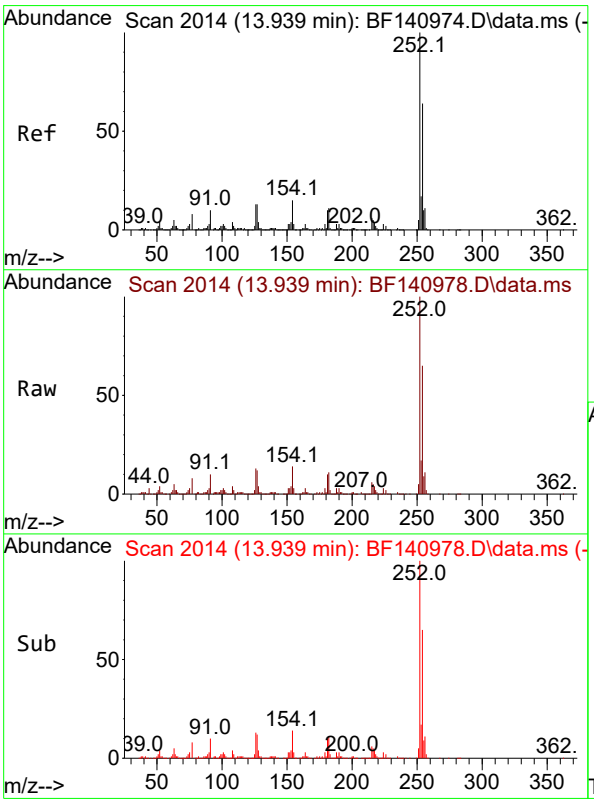
#81
Benzo(a)anthracene
Concen: 37.941 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:228 Resp: 1624247

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	19.7	16.2	24.2

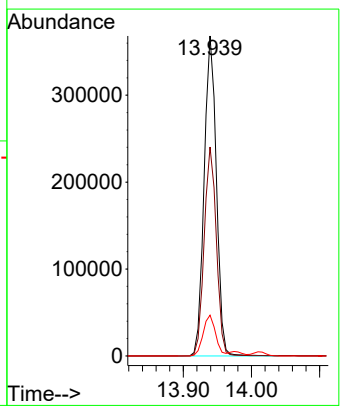


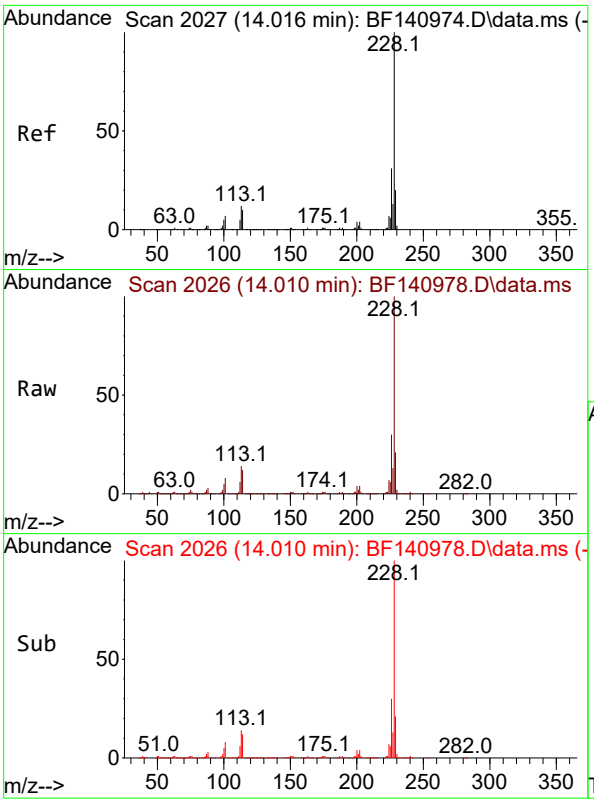


#82
3,3'-Dichlorobenzidine
Concen: 35.805 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:252 Resp: 460524

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.5	77.3
126	12.7	10.3	15.5



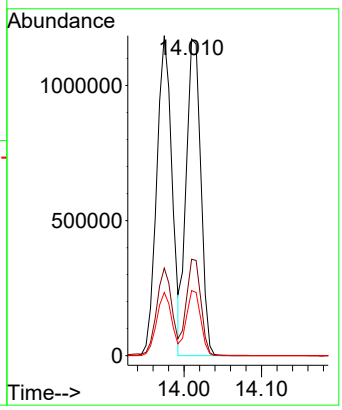


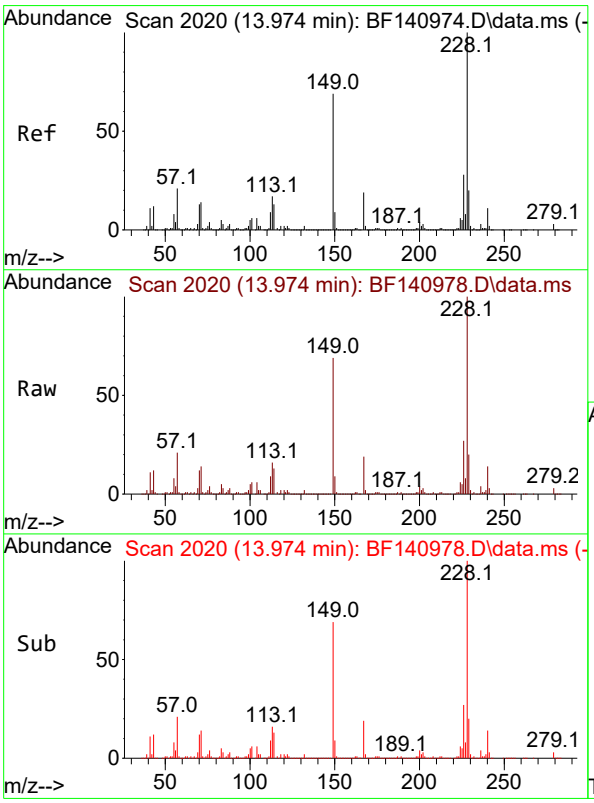
#83
Chrysene
Concen: 39.695 ng
RT: 14.010 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:228 Resp: 1531898

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.5	36.7
229	20.5	16.2	24.4

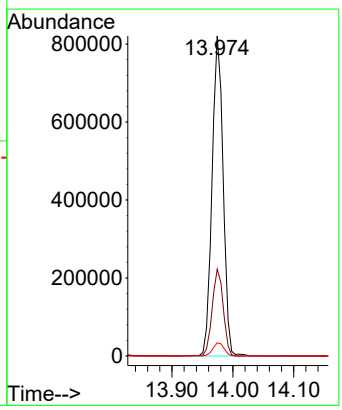


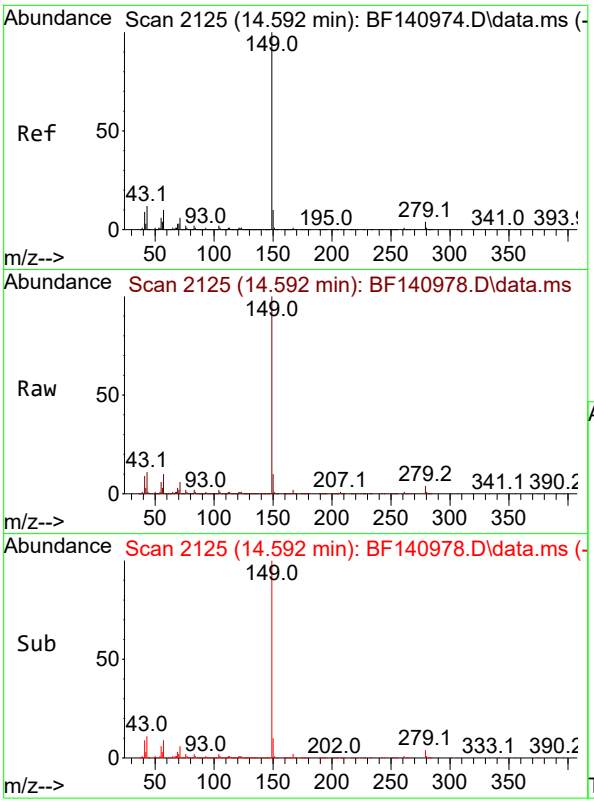


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.713 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:149 Resp: 1035953

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.6	32.4
279	4.1	3.2	4.8



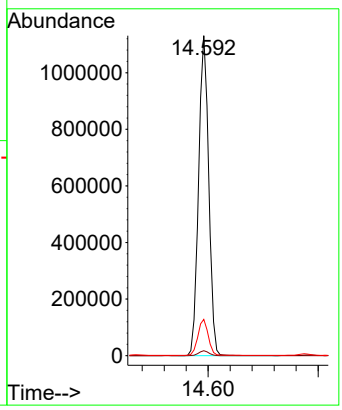


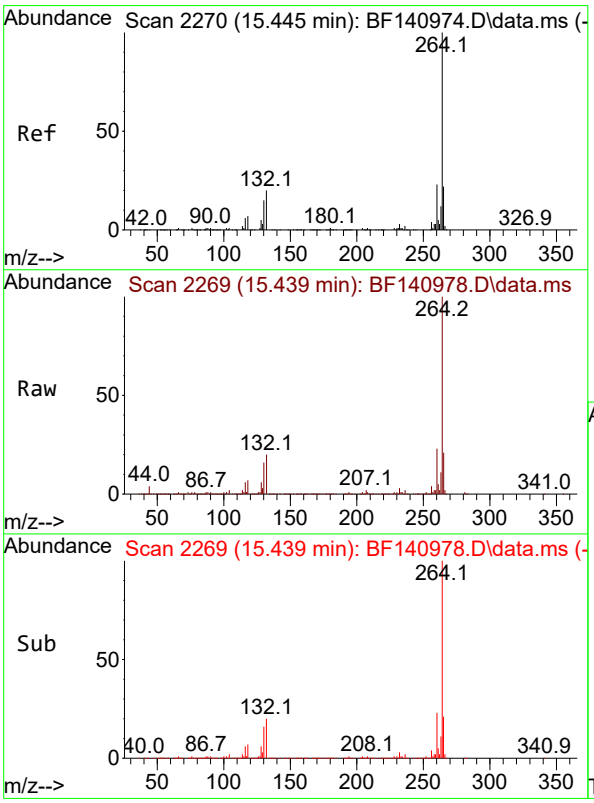
#85
Di-n-octyl phthalate
Concen: 39.285 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:149 Resp: 1446783

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.4	9.3	13.9

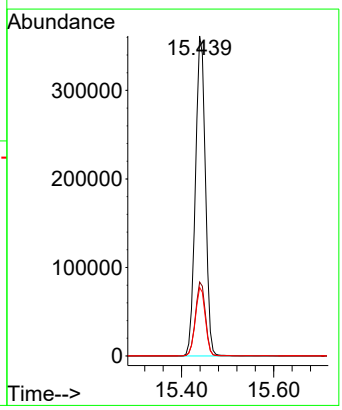


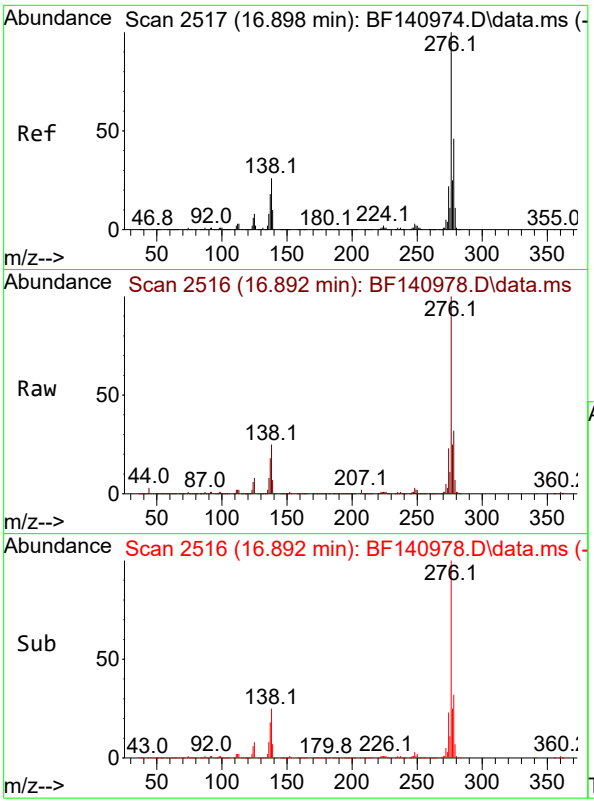


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:264 Resp: 543067

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.4	17.4	26.2



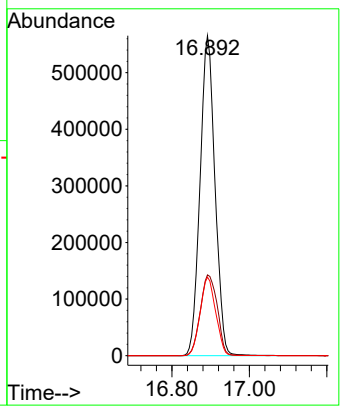


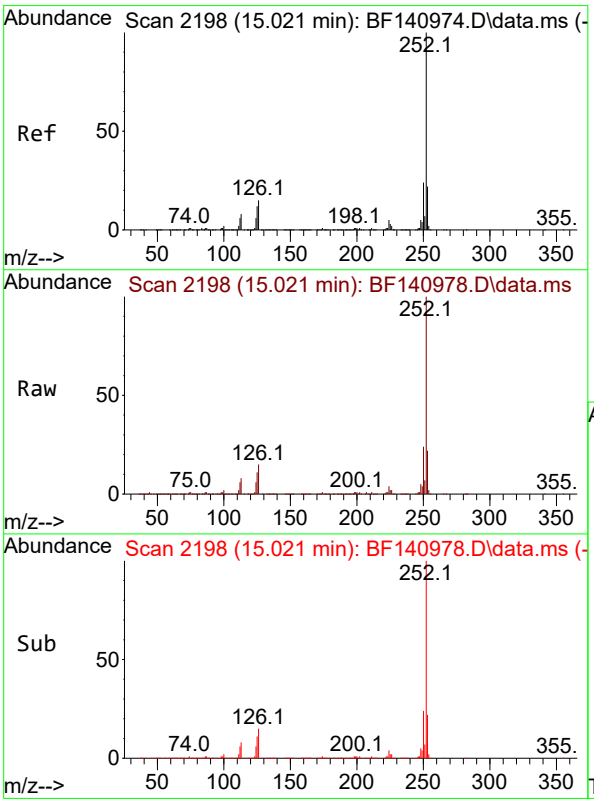
#87
Indeno(1,2,3-cd)pyrene
Concen: 44.255 ng
RT: 16.892 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:276 Resp: 1514165

Ion	Ratio	Lower	Upper
276	100		
138	28.7	23.1	34.7
277	25.5	20.4	30.6

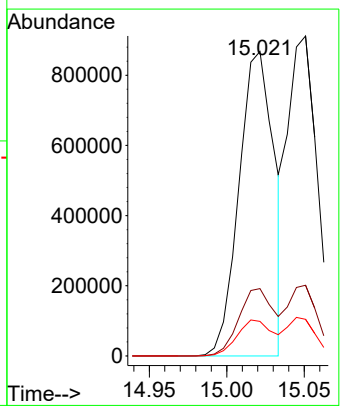


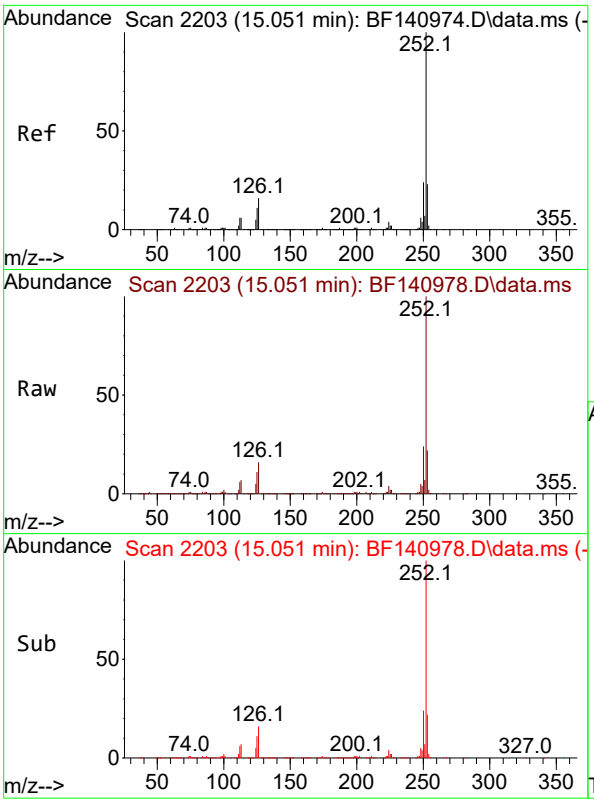


#88
Benzo(b)fluoranthene
Concen: 36.115 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:252 Resp: 1367890

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.3	9.3	13.9



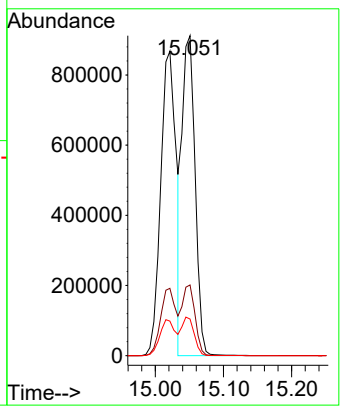


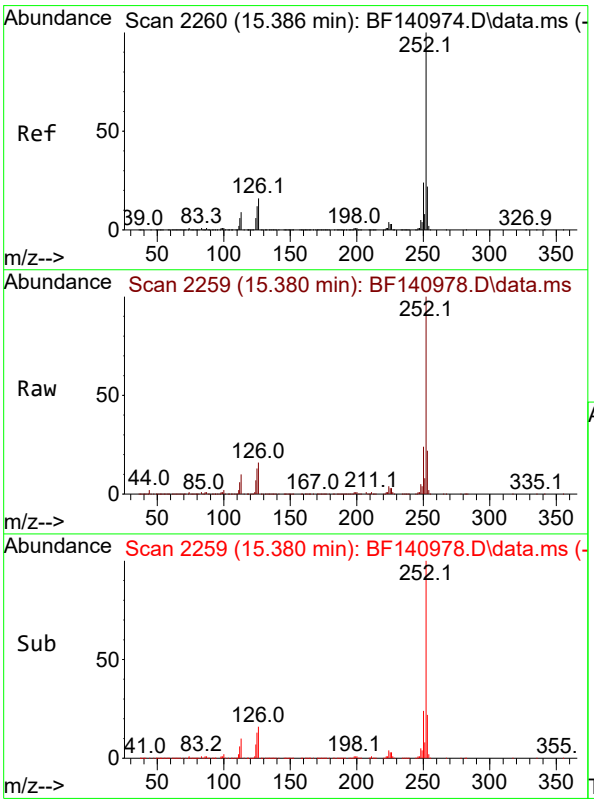
#89
Benzo(k)fluoranthene
Concen: 40.555 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:252 Resp: 1203912

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	11.4	9.4	14.0

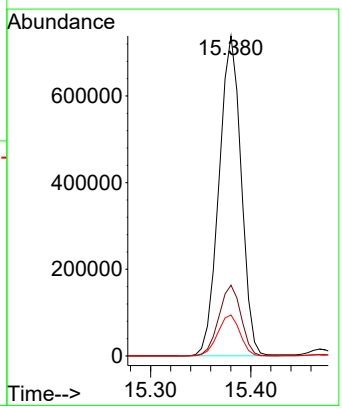


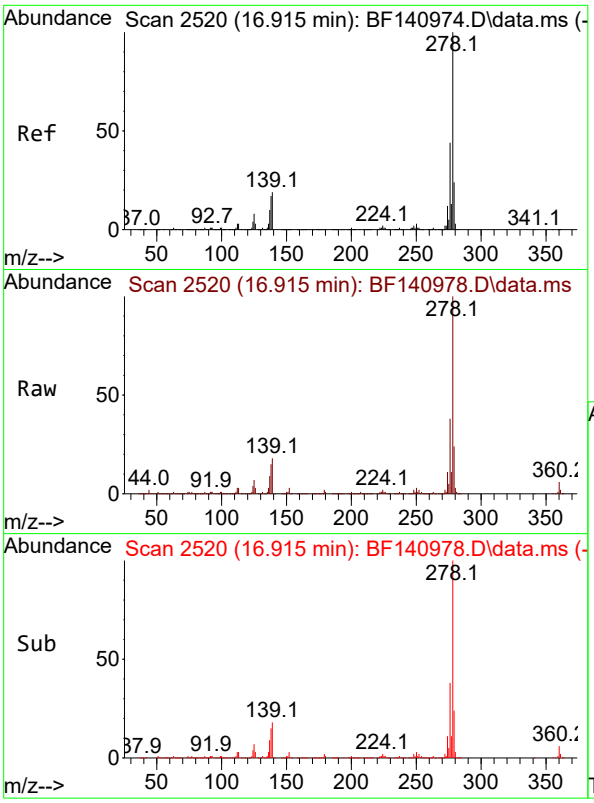


#90
Benzo(a)pyrene
Concen: 38.510 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:252 Resp: 1132116

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.8	9.8	14.8



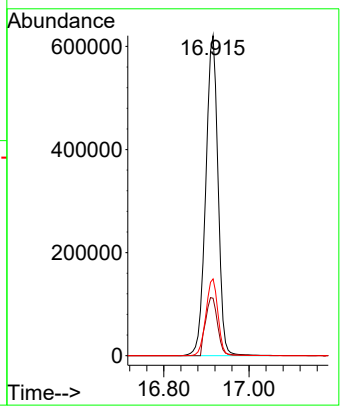


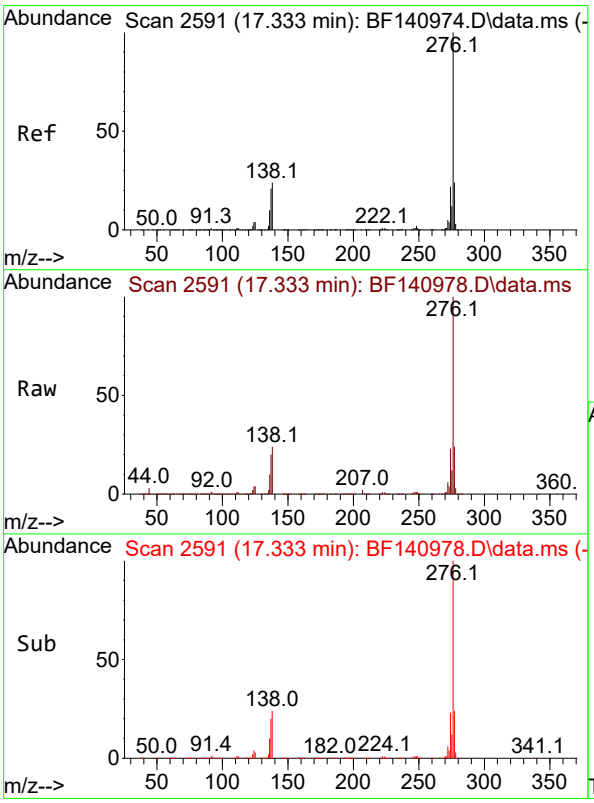
#91
Dibenzo(a,h)anthracene
Concen: 44.756 ng
RT: 16.915 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:278 Resp: 1241284

Ion	Ratio	Lower	Upper
278	100		
139	18.0	14.9	22.3
279	24.0	19.0	28.6

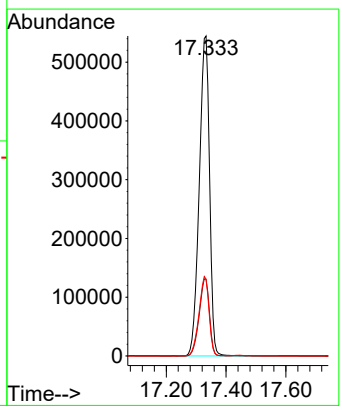




#92
Benzo(g,h,i)perylene
Concen: 45.122 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:276 Resp: 1297980

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	24.0	19.4	29.2



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141021.D
Acq On : 30 Dec 2024 10:17
Operator : RC/JU
Sample : PB165894BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Quant Time: Dec 30 10:59:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.834	152	265480	20.000	ng		0.00
21) Naphthalene-d8	8.116	136	1062209	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	563633	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	910683	20.000	ng		0.00
76) Chrysene-d12	13.992	240	524973	20.000	ng		0.00
86) Perylene-d12	15.457	264	559032	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.451	112	2355204	133.727	ng		0.02
7) Phenol-d6	6.457	99	3010633	132.697	ng		0.00
23) Nitrobenzene-d5	7.392	82	1806013	108.778	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	863281	157.623	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	3354071	94.811	ng		0.00
79) Terphenyl-d14	12.939	244	3356168	106.188	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.657	88	327211	41.037	ng		99
3) Pyridine	3.404	79	885715	45.454	ng		100
4) n-Nitrosodimethylamine	3.352	42	471291	47.735	ng		100
6) Aniline	6.492	93	1044494	51.619	ng		99
8) 2-Chlorophenol	6.616	128	958604	51.625	ng		97
9) Benzaldehyde	6.381	77	175984	9.571	ng		97
10) Phenol	6.475	94	1195100	50.942	ng		93
11) bis(2-Chloroethyl)ether	6.569	93	908900	47.982	ng		98
12) 1,3-Dichlorobenzene	6.769	146	972113	47.438	ng		99
13) 1,4-Dichlorobenzene	6.851	146	986338	47.746	ng		99
14) 1,2-Dichlorobenzene	6.998	146	945408	49.084	ng		99
15) Benzyl Alcohol	6.969	79	831212	50.983	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1438685	50.222	ng		99
17) 2-Methylphenol	7.081	107	772182	50.056	ng		99
18) Hexachloroethane	7.345	117	360723	49.155	ng		100
19) n-Nitroso-di-n-propyla...	7.245	70	679575	48.892	ng		99
20) 3+4-Methylphenols	7.234	107	954601	48.900	ng	#	89
22) Acetophenone	7.240	105	1250805	48.002	ng		96
24) Nitrobenzene	7.410	77	959427	51.716	ng		99
25) Isophorone	7.651	82	1827974	50.597	ng		99
26) 2-Nitrophenol	7.728	139	413463	53.678	ng		100
27) 2,4-Dimethylphenol	7.763	122	773942	58.615	ng		99
28) bis(2-Chloroethoxy)met...	7.863	93	1123896	49.099	ng		100
29) 2,4-Dichlorophenol	7.969	162	759912	50.745	ng		100
30) 1,2,4-Trichlorobenzene	8.051	180	802320	47.336	ng		99
31) Naphthalene	8.134	128	2679451	47.871	ng		100
32) Benzoic acid	7.881	122	530675	48.704	ng		97
33) 4-Chloroaniline	8.181	127	532305	26.288	ng		98
34) Hexachlorobutadiene	8.251	225	481762	48.214	ng		99
35) Caprolactam	8.545	113	143480	28.184	ng		99
36) 4-Chloro-3-methylphenol	8.657	107	821594	49.402	ng		98
37) 2-Methylnaphthalene	8.822	142	1764256	49.271	ng		99
38) 1-Methylnaphthalene	8.922	142	1649595	46.876	ng		100
40) 1,2,4,5-Tetrachloroben...	8.992	216	771312	49.742	ng		99
41) Hexachlorocyclopentadiene	8.981	237	946981	184.288	ng		99
43) 2,4,6-Trichlorophenol	9.098	196	545815	52.888	ng		100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141021.D
Acq On : 30 Dec 2024 10:17
Operator : RC/JU
Sample : PB165894BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Quant Time: Dec 30 10:59:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	563885	53.400	ng		98
46) 1,1'-Biphenyl	9.286	154	2142081	49.635	ng		100
47) 2-Chloronaphthalene	9.310	162	1614810	48.245	ng		100
48) 2-Nitroaniline	9.404	65	482653	54.432	ng		96
49) Acenaphthylene	9.728	152	2490576	51.689	ng		100
50) Dimethylphthalate	9.592	163	1889611	50.969	ng		100
51) 2,6-Dinitrotoluene	9.651	165	392834	51.656	ng		97
52) Acenaphthene	9.898	154	1758675	53.990	ng		100
53) 3-Nitroaniline	9.816	138	270023	33.872	ng	#	95
54) 2,4-Dinitrophenol	9.928	184	332519	99.313	ng	#	1
55) Dibenzofuran	10.075	168	2251400	49.180	ng		99
56) 4-Nitrophenol	9.975	139	709465	111.872	ng		95
57) 2,4-Dinitrotoluene	10.051	165	519335	55.370	ng		99
58) Fluorene	10.416	166	1728750	48.699	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	489241	55.943	ng		97
60) Diethylphthalate	10.292	149	1815649	49.607	ng		99
61) 4-Chlorophenyl-phenyle...	10.410	204	844190	49.422	ng		97
62) 4-Nitroaniline	10.428	138	409804	49.758	ng		96
63) Azobenzene	10.569	77	1896588	49.369	ng		99
65) 4,6-Dinitro-2-methylph...	10.463	198	227800	59.869	ng		94
66) n-Nitrosodiphenylamine	10.528	169	1568332	54.689	ng		100
67) 4-Bromophenyl-phenylether	10.898	248	550440	55.913	ng		97
68) Hexachlorobenzene	10.963	284	589836	54.336	ng		100
69) Atrazine	11.051	200	522116	65.171	ng		100
70) Pentachlorophenol	11.157	266	716690	106.042	ng		100
71) Phenanthrene	11.375	178	2529378	52.772	ng		99
72) Anthracene	11.427	178	2568255	54.684	ng		100
73) Carbazole	11.580	167	2246352	49.754	ng		100
74) Di-n-butylphthalate	11.916	149	2619214	51.005	ng		100
75) Fluoranthene	12.563	202	2425427	46.658	ng		100
77) Benzidine	12.680	184	672047	60.573	ng		99
78) Pyrene	12.792	202	2453948	53.448	ng		100
80) Butylbenzylphthalate	13.416	149	869442	51.860	ng		99
81) Benzo(a)anthracene	13.980	228	1748285	47.784	ng		99
82) 3,3'-Dichlorobenzidine	13.945	252	398466	36.249	ng		99
83) Chrysene	14.016	228	1664973	50.481	ng		100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1043963	48.005	ng		100
85) Di-n-octyl phthalate	14.598	149	1711465	54.375	ng		98
87) Indeno(1,2,3-cd)pyrene	16.921	276	2187757	62.116	ng		98
88) Benzo(b)fluoranthene	15.033	252	1842176	47.248	ng		100
89) Benzo(k)fluoranthene	15.063	252	1466521	47.991	ng		100
90) Benzo(a)pyrene	15.398	252	1627162	53.768	ng		99
91) Dibenzo(a,h)anthracene	16.945	278	1742189	61.023	ng		99
92) Benzo(g,h,i)perylene	17.362	276	1691257	57.115	ng		99

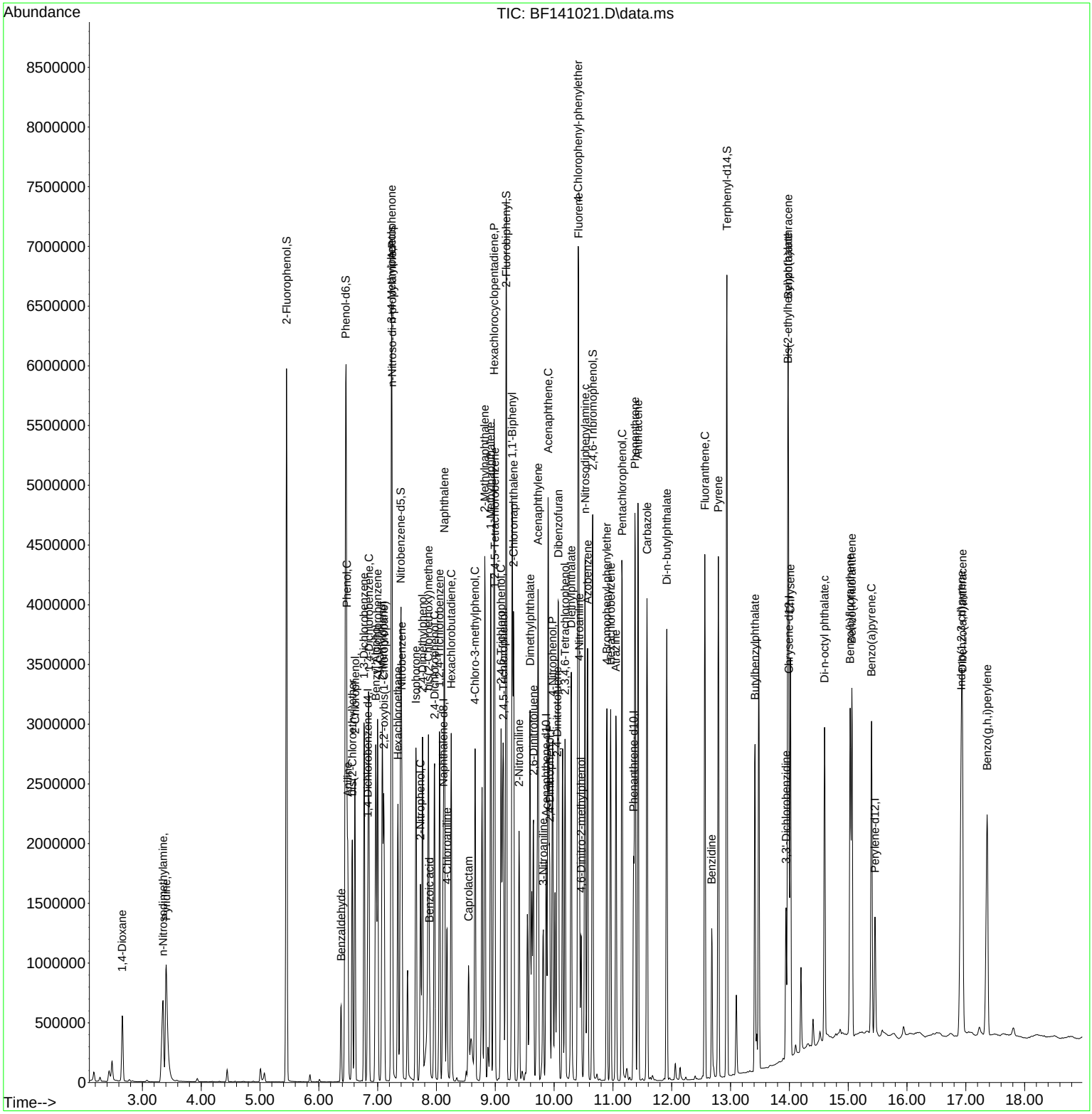
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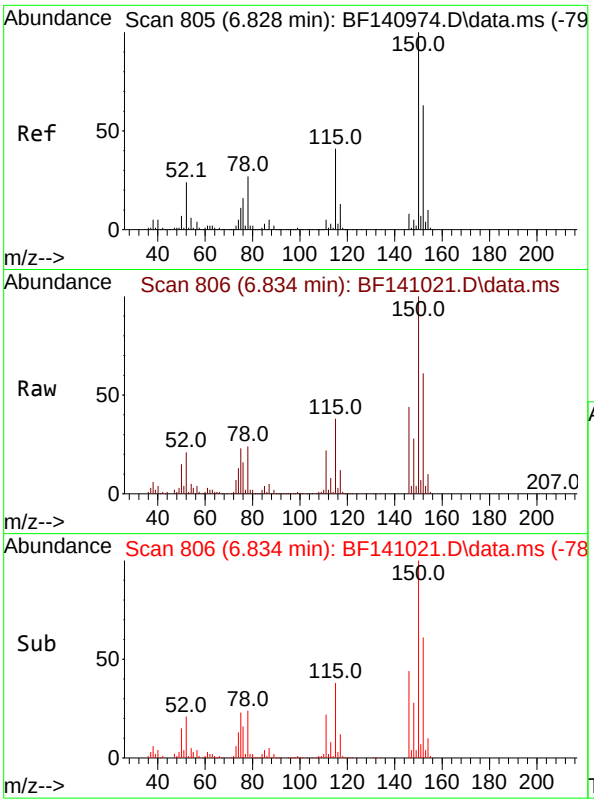
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
Data File : BF141021.D
Acq On : 30 Dec 2024 10:17
Operator : RC/JU
Sample : PB165894BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Quant Time: Dec 30 10:59:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



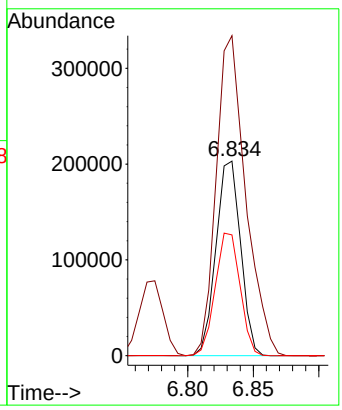


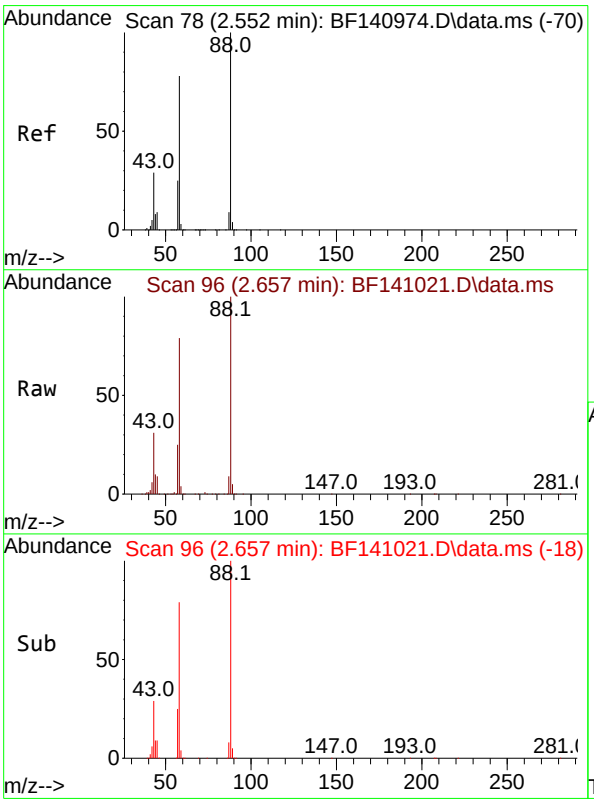
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 8(
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:152 Resp: 265480

Ion	Ratio	Lower	Upper
152	100		
150	164.4	127.0	190.6
115	62.1	51.7	77.5

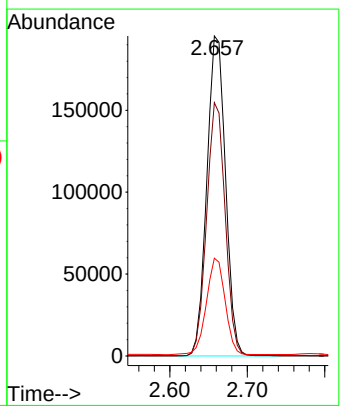


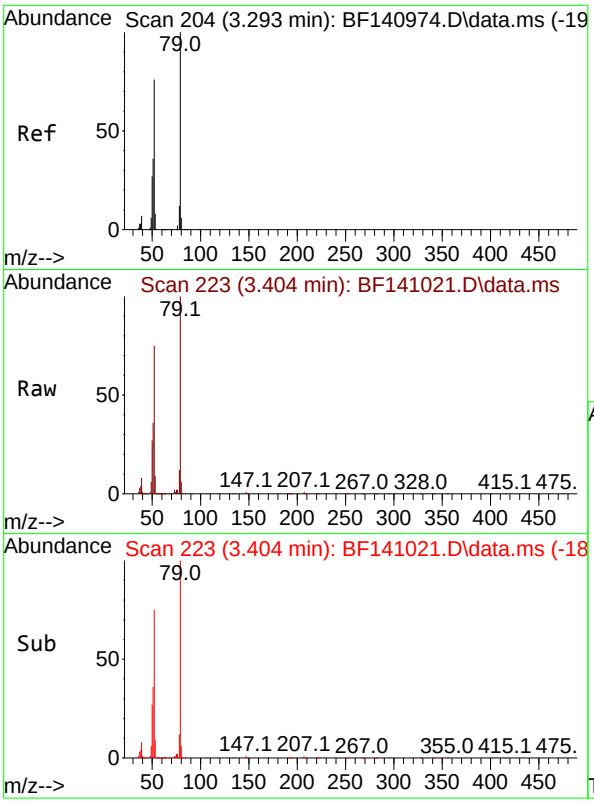


#2
1,4-Dioxane
Concen: 41.037 ng
RT: 2.657 min Scan# 96
Delta R.T. 0.106 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 88 Resp: 327211

Ion	Ratio	Lower	Upper
88	100		
58	78.4	63.0	94.4
43	30.2	23.4	35.2



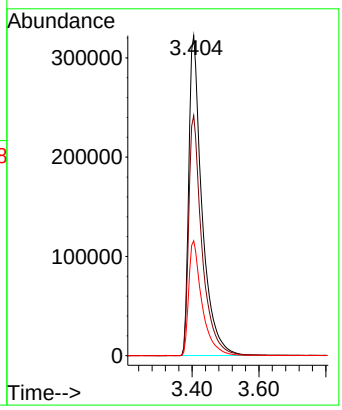


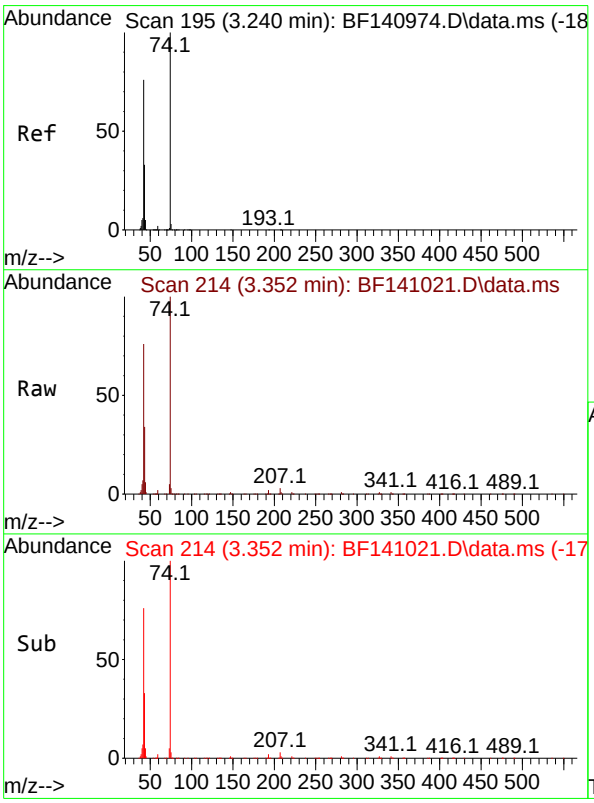
#3
Pyridine
Concen: 45.454 ng
RT: 3.404 min Scan# 2
Delta R.T. 0.112 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 79 Resp: 885715

Ion	Ratio	Lower	Upper
79	100		
52	75.0	60.4	90.6
51	35.9	28.8	43.2

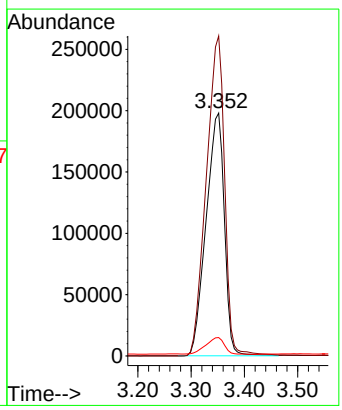


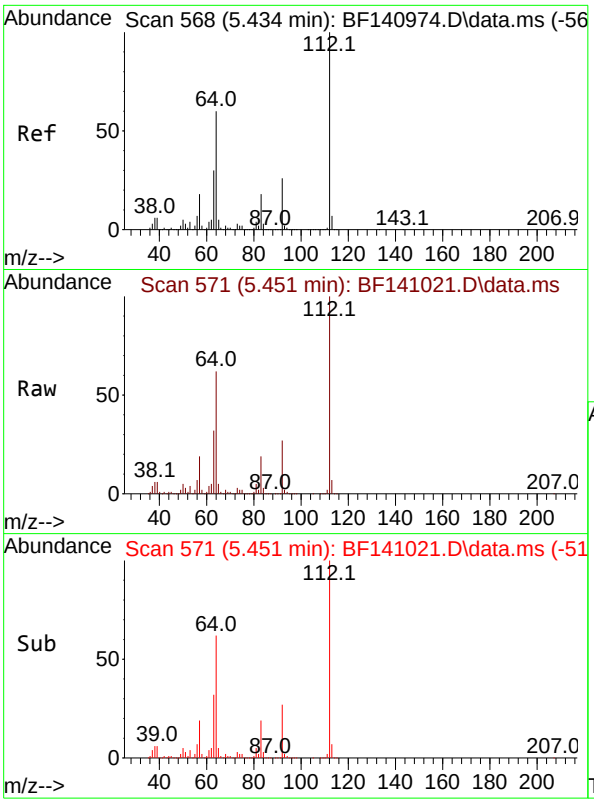


#4
n-Nitrosodimethylamine
Concen: 47.735 ng
RT: 3.352 min Scan# 214
Delta R.T. 0.112 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 42 Resp: 471291

Ion	Ratio	Lower	Upper
42	100		
74	131.7	105.8	158.6
44	7.6	6.6	10.0



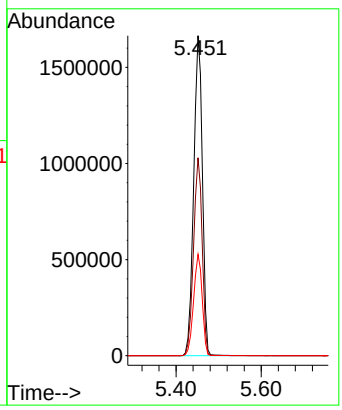


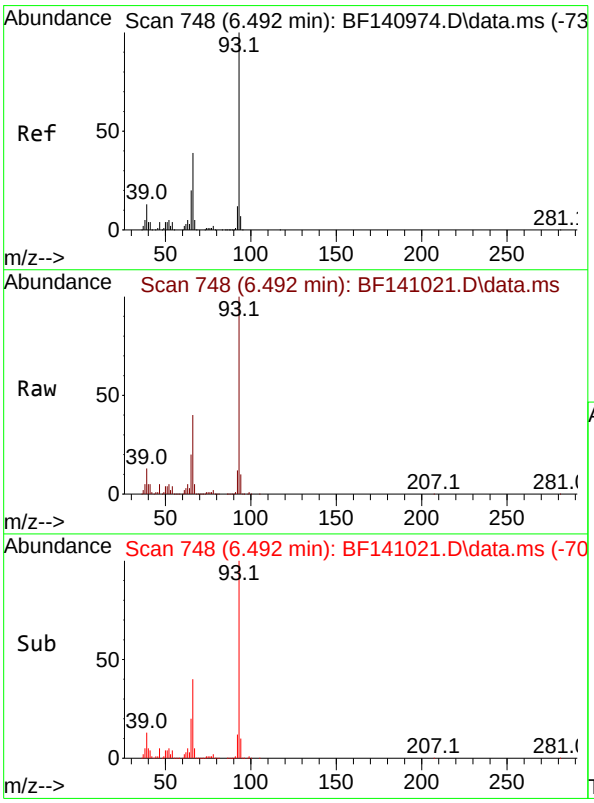
#5
2-Fluorophenol
Concen: 133.727 ng
RT: 5.451 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:112 Resp: 2355204

Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.7	71.5
63	31.6	24.2	36.2

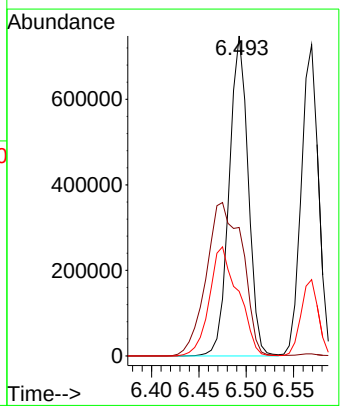


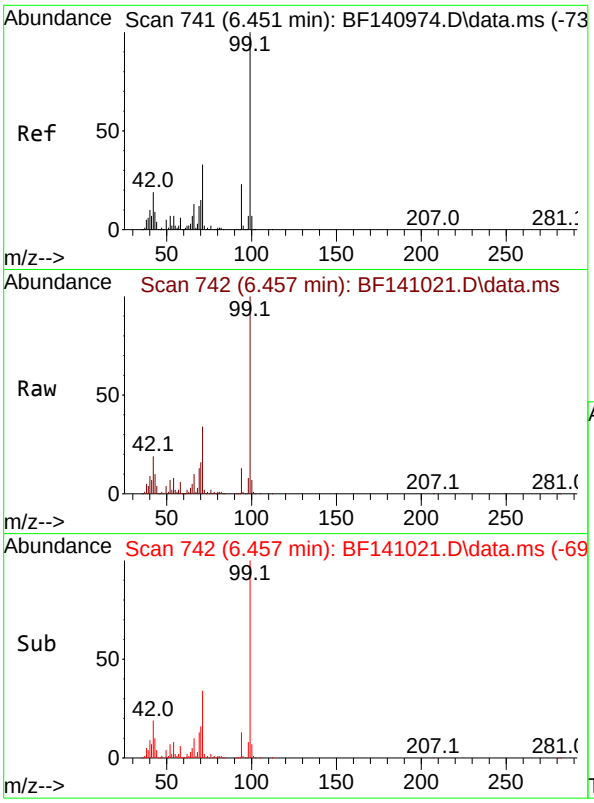


#6
Aniline
Concen: 51.619 ng
RT: 6.492 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 93 Resp: 1044494

Ion	Ratio	Lower	Upper
93	100		
66	40.1	31.8	47.8
65	20.2	15.4	23.0



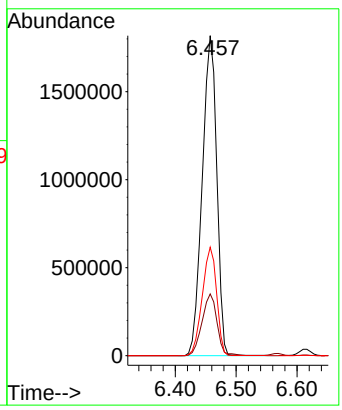


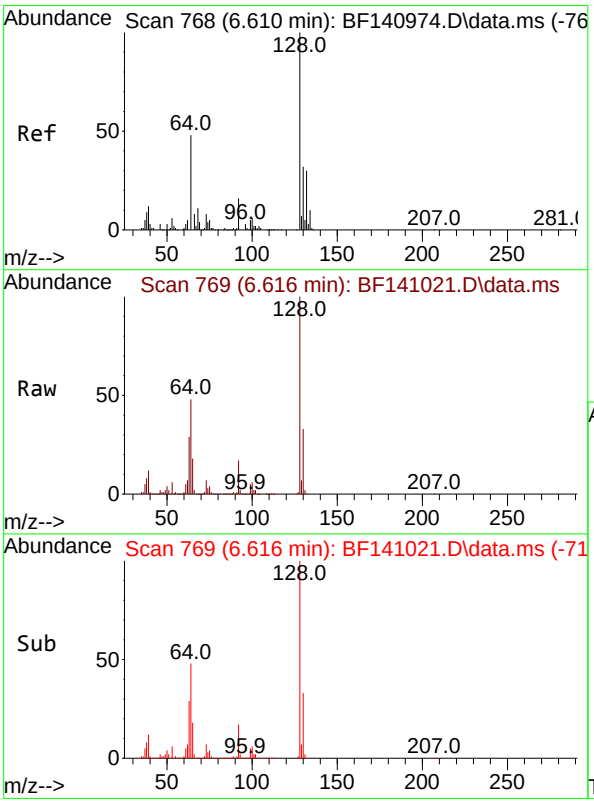
#7
Phenol-d6
Concen: 132.697 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 99 Resp: 3010633

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.0	22.4
71	33.9	26.2	39.2

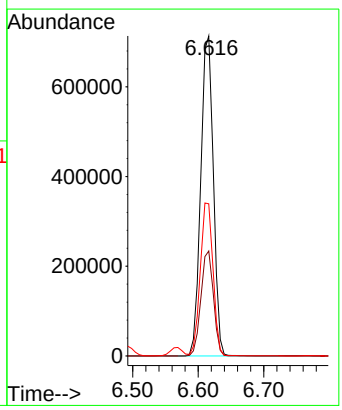


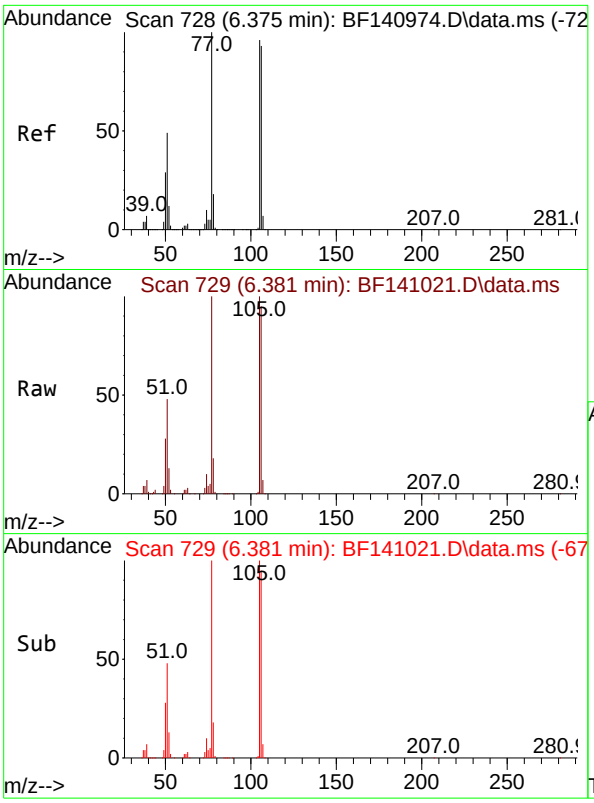


#8
2-Chlorophenol
Concen: 51.625 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:128 Resp: 958604

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.2	52.2
64	47.5	30.3	70.3



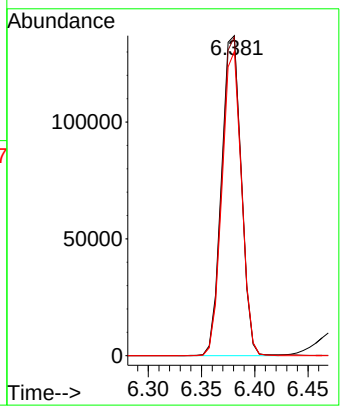


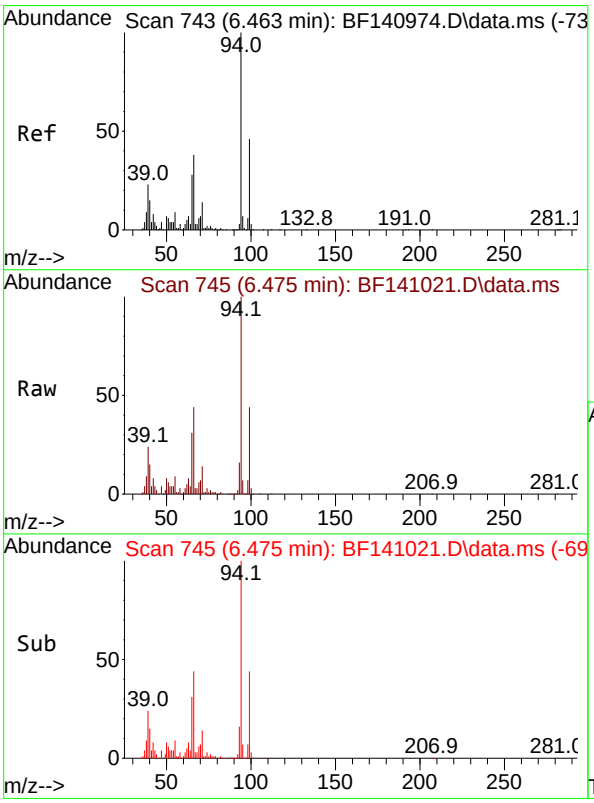
#9
Benzaldehyde
Concen: 9.571 ng
RT: 6.381 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 77 Resp: 175984

Ion	Ratio	Lower	Upper
77	100		
105	99.6	76.2	116.2
106	95.1	73.4	113.4

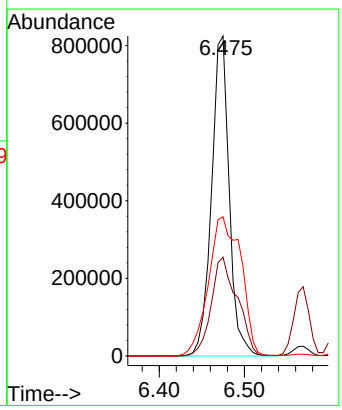


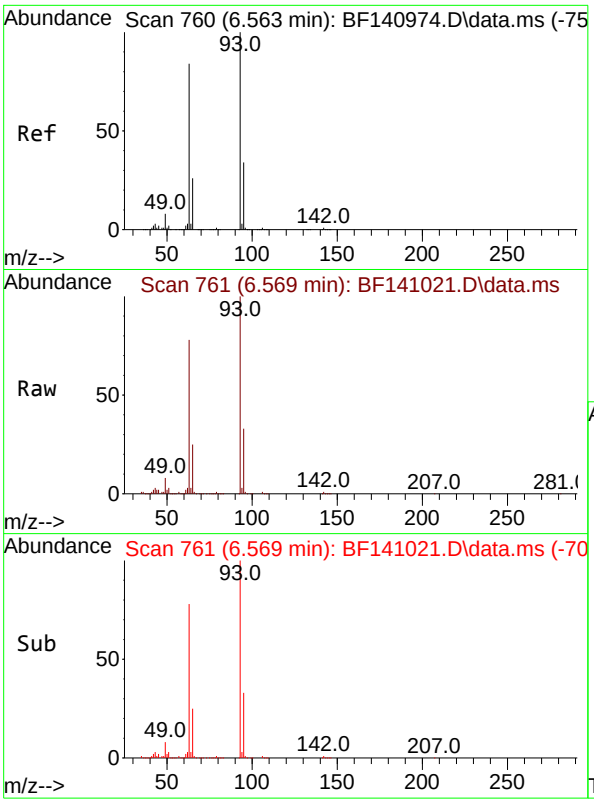


#10
Phenol
Concen: 50.942 ng
RT: 6.475 min Scan# 745
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 94 Resp: 1195100

Ion	Ratio	Lower	Upper
94	100		
65	30.9	8.1	48.1
66	43.5	18.7	58.7



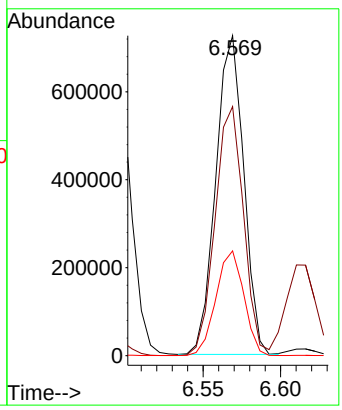


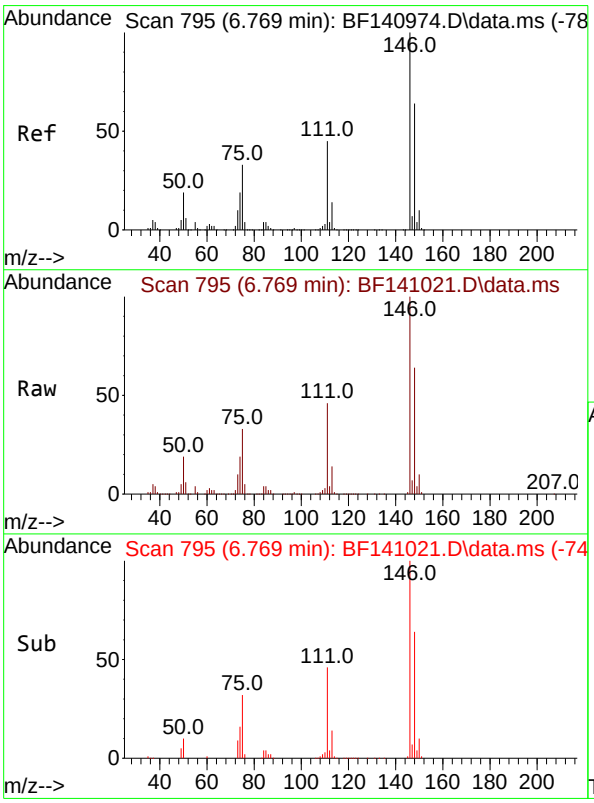
#11
bis(2-Chloroethyl)ether
Concen: 47.982 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 93 Resp: 908900

Ion	Ratio	Lower	Upper
93	100		
63	77.9	60.3	100.3
95	32.7	12.2	52.2

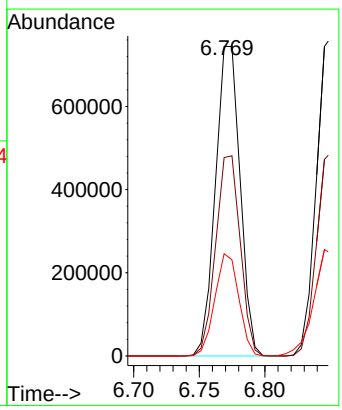


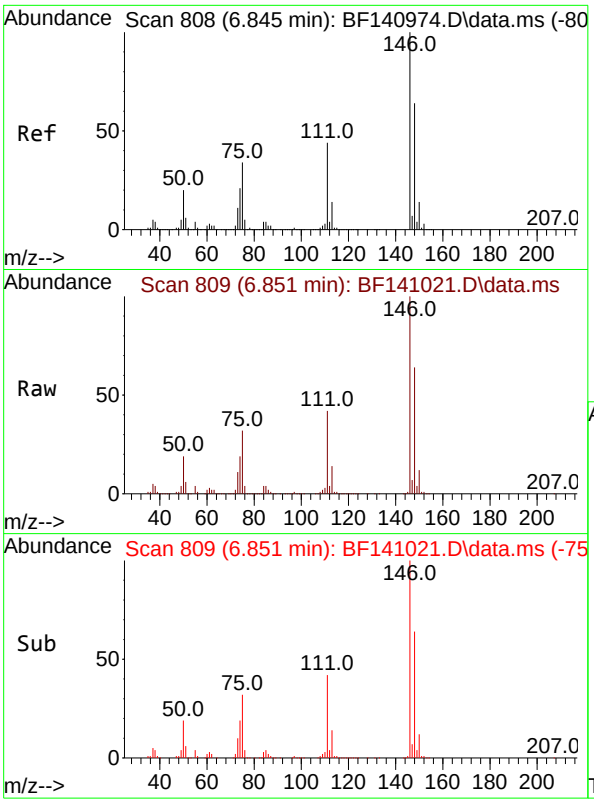


#12
1,3-Dichlorobenzene
Concen: 47.438 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:146 Resp: 972113

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.4
75	33.0	26.1	39.1



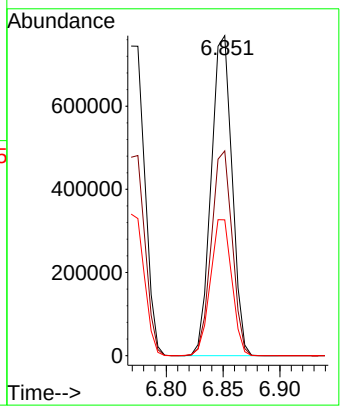


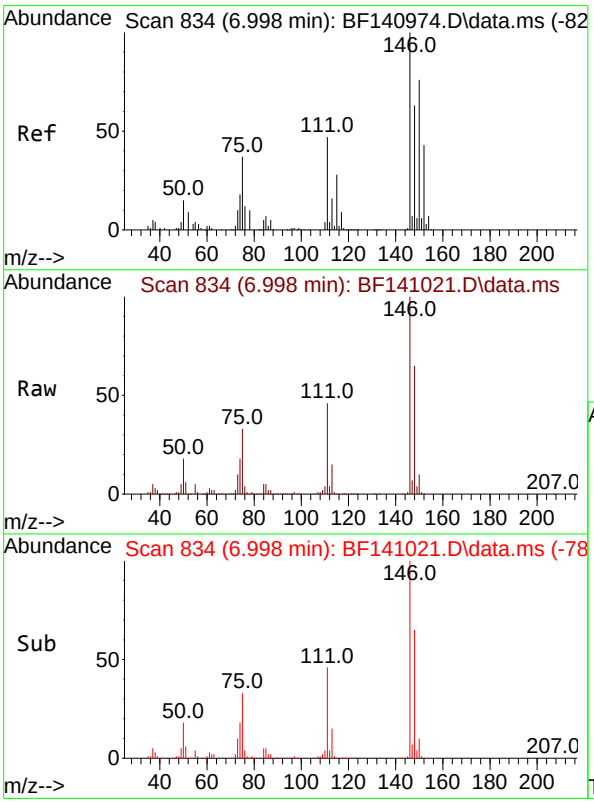
#13
1,4-Dichlorobenzene
Concen: 47.746 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:146 Resp: 986338

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.3	76.9
111	42.4	35.3	52.9

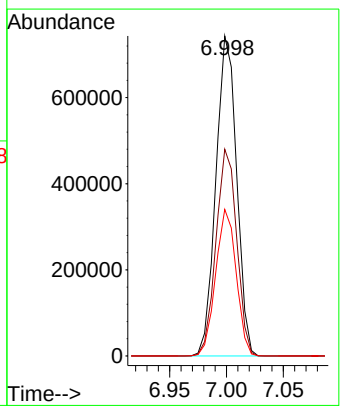


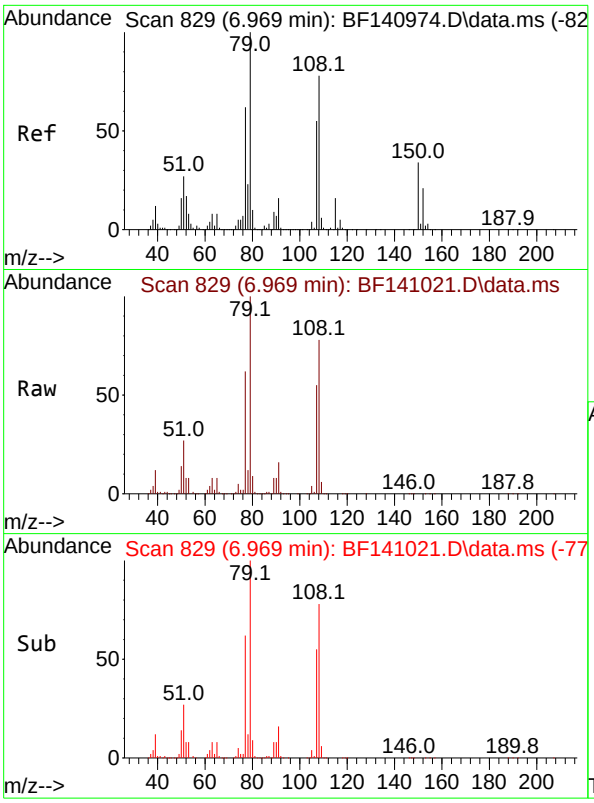


#14
1,2-Dichlorobenzene
Concen: 49.084 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:146 Resp: 945408

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.6	76.0
111	45.8	37.3	55.9



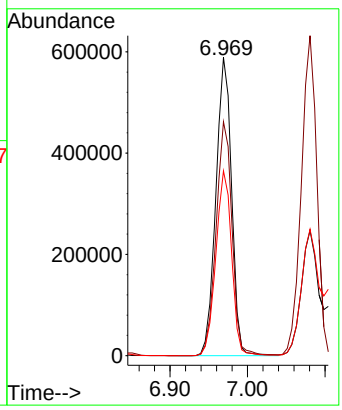


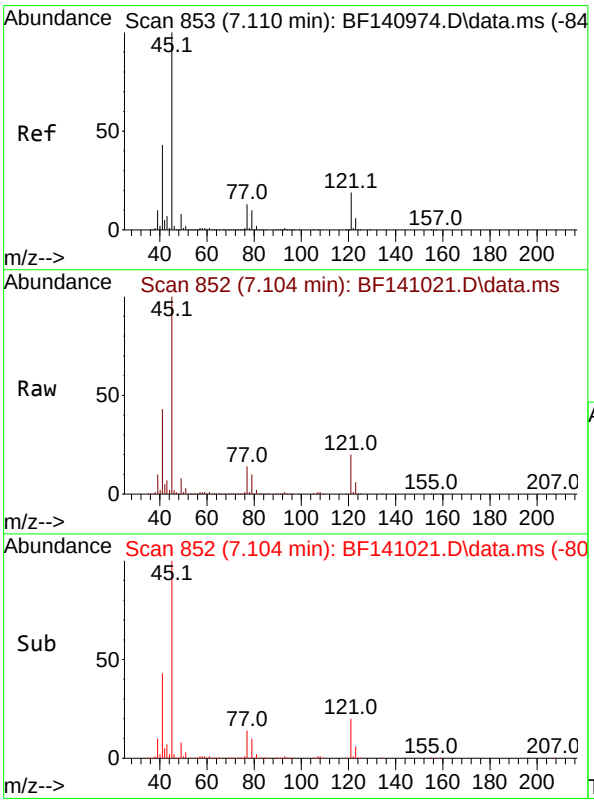
#15
Benzyl Alcohol
Concen: 50.983 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 79 Resp: 831212

Ion	Ratio	Lower	Upper
79	100		
108	78.4	62.5	93.7
77	62.0	49.3	73.9

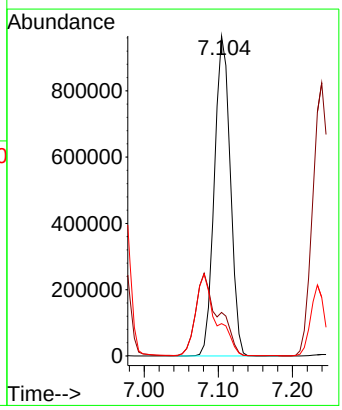


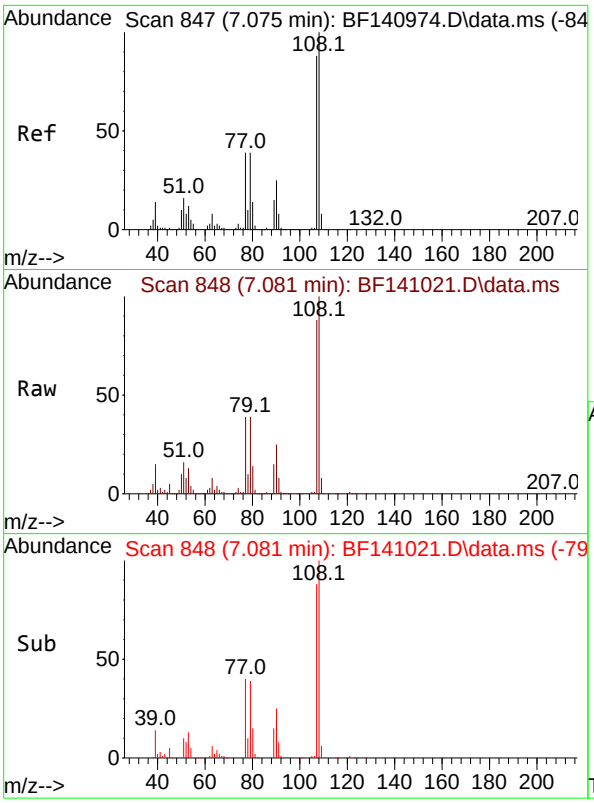


#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.222 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 45 Resp: 1438685

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	33.1
79	10.1	0.0	30.1



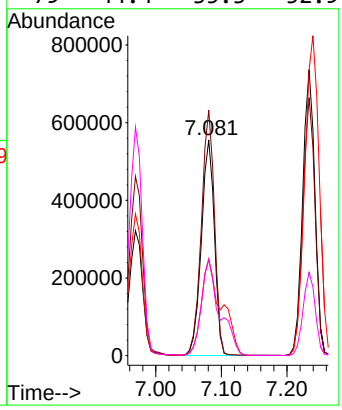


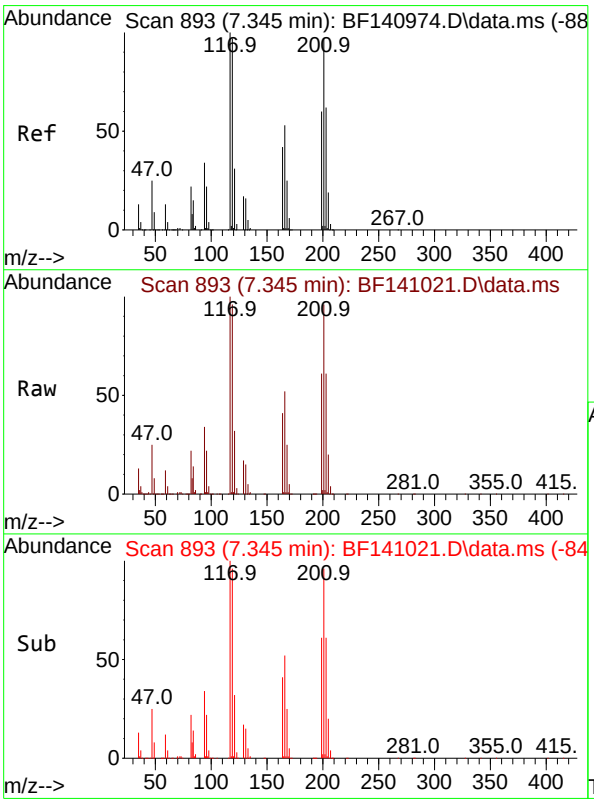
#17
2-Methylphenol
Concen: 50.056 ng
RT: 7.081 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:107 Resp: 772182

Ion	Ratio	Lower	Upper
107	100		
108	113.7	90.6	136.0
77	44.9	35.3	52.9
79	44.4	35.3	52.9

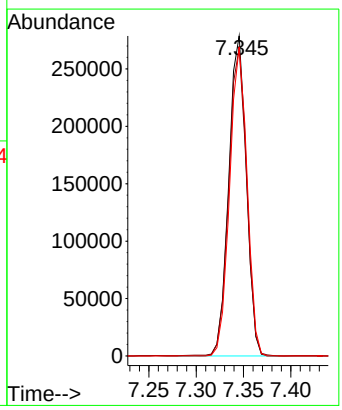


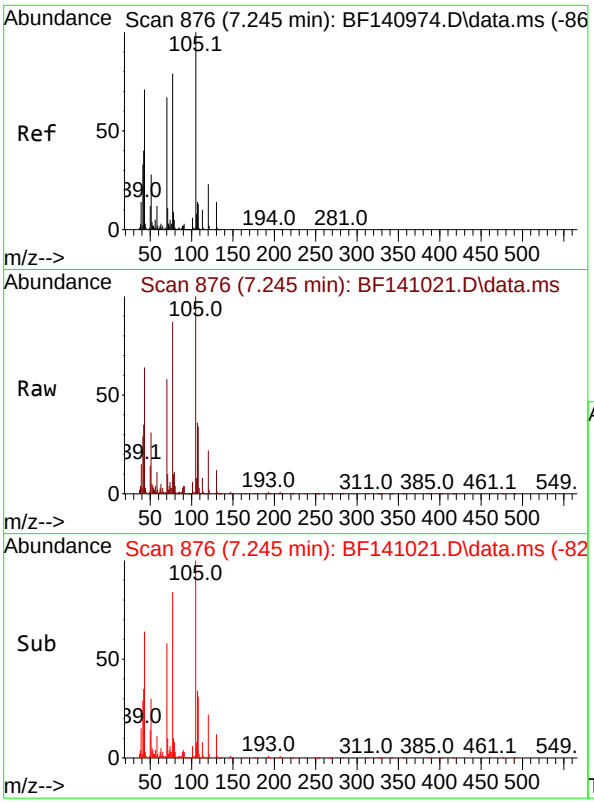


#18
Hexachloroethane
Concen: 49.155 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:117 Resp: 360723

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.5	116.3
201	96.5	77.4	116.2



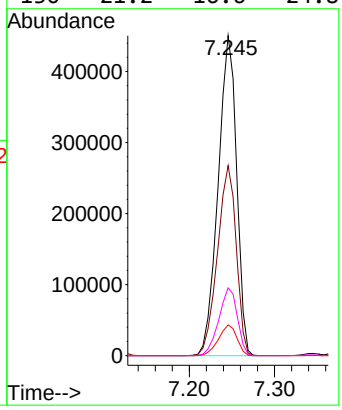


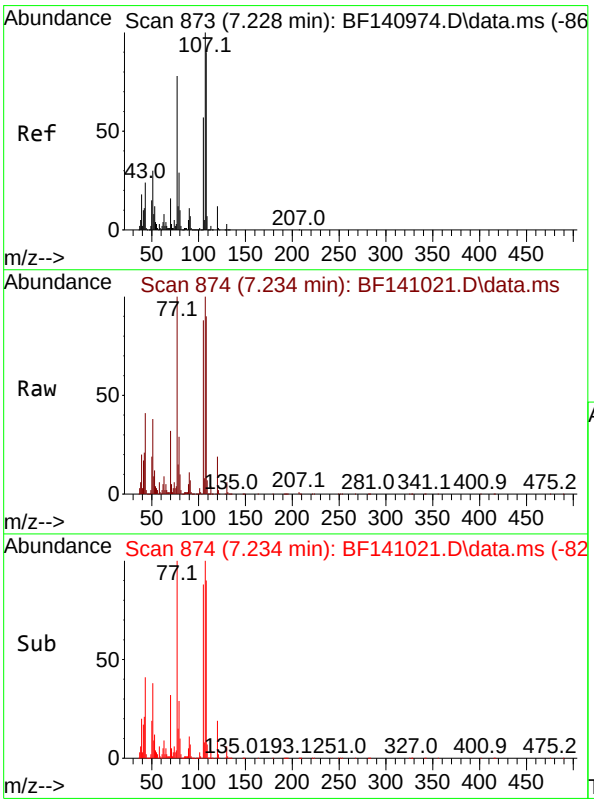
#19
n-Nitroso-di-n-propylamine
Concen: 48.892 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 70 Resp: 679575

Ion	Ratio	Lower	Upper
70	100		
42	59.4	48.1	72.1
101	9.6	7.6	11.4
130	21.2	16.6	24.8

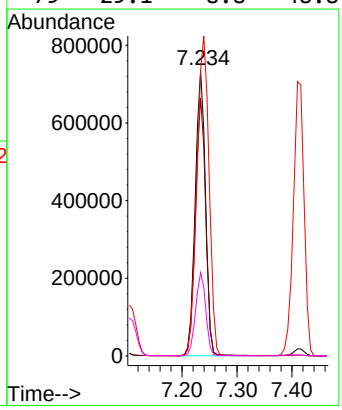


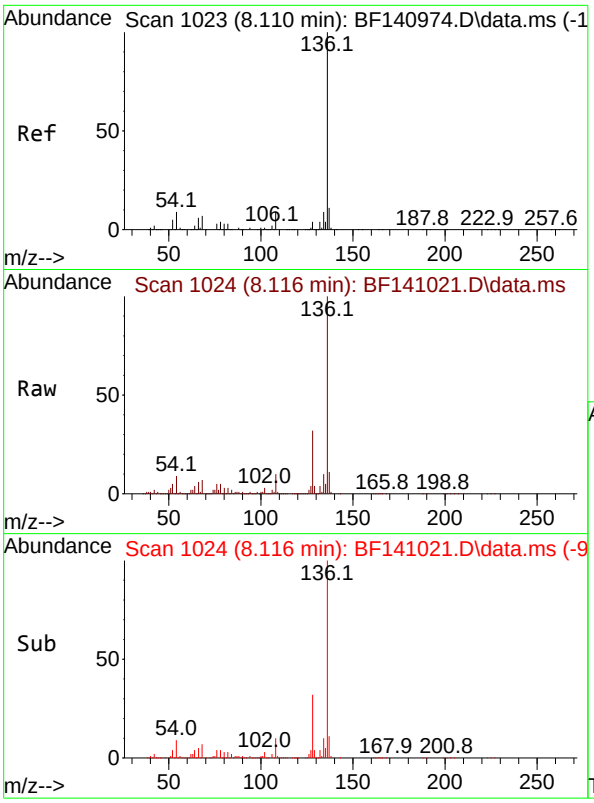


#20
3+4-Methylphenols
Concen: 48.900 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:107 Resp: 954601

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.6	109.6
77	99.8	57.6	97.6#
79	29.1	8.8	48.8



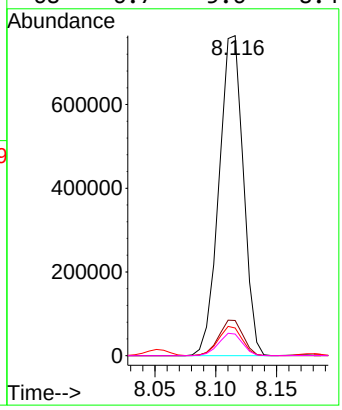


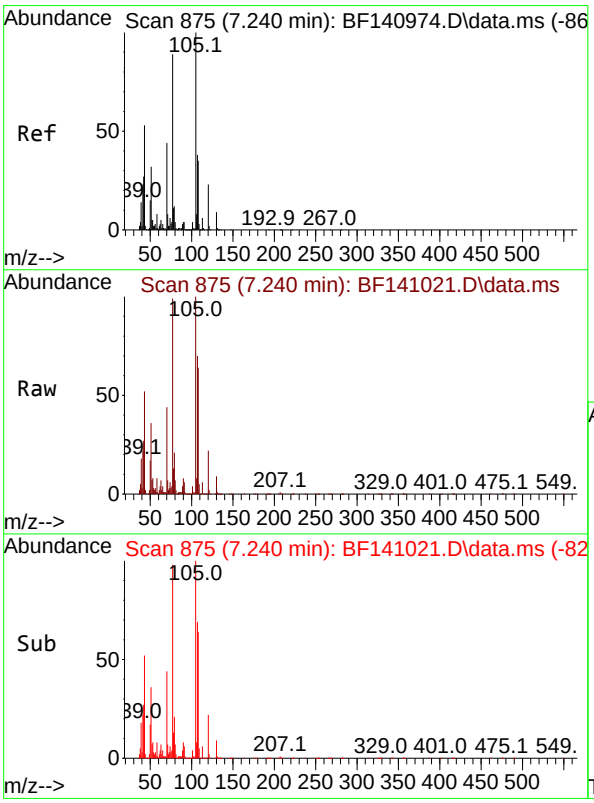
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:136 Resp: 1062209

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.7	7.6	11.4
68	6.7	5.6	8.4

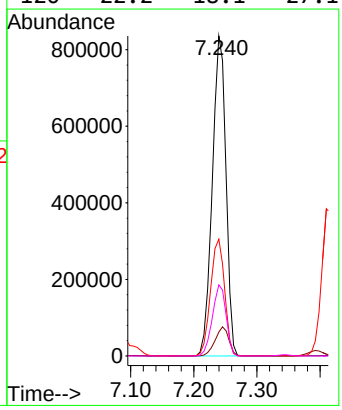


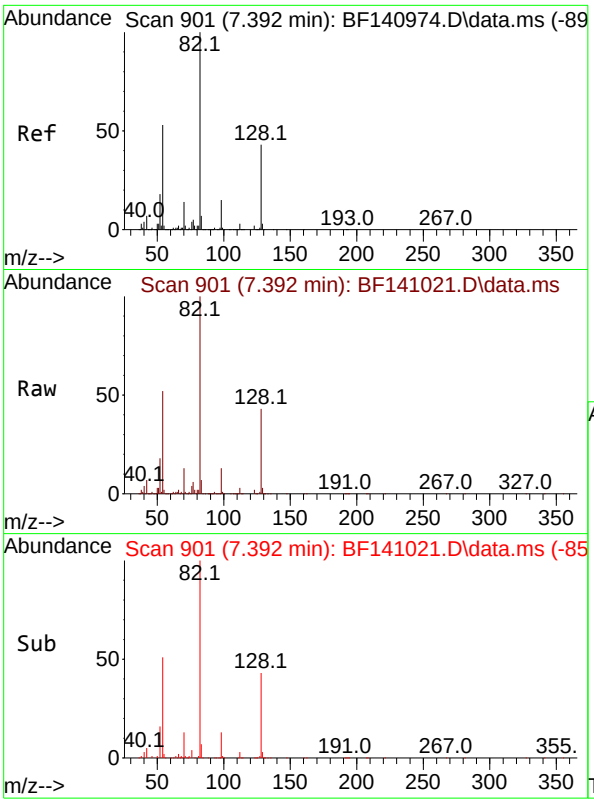


#22
Acetophenone
Concen: 48.002 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:105 Resp: 1250805

Ion	Ratio	Lower	Upper
105	100		
71	7.4	6.1	9.1
51	36.5	25.8	38.6
120	22.2	18.1	27.1



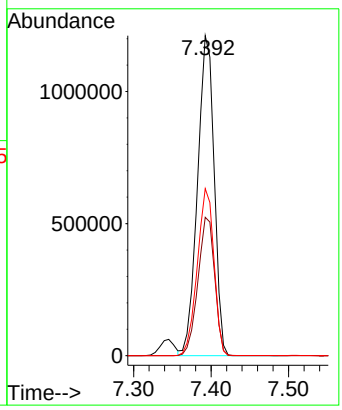


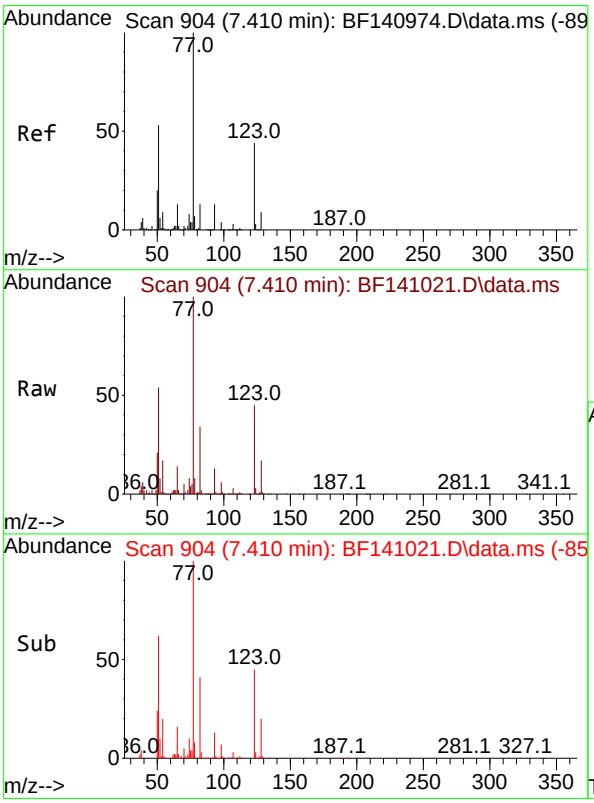
#23
Nitrobenzene-d5
Concen: 108.778 ng
RT: 7.392 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 82 Resp: 1806013

Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.4	51.6
54	52.2	42.4	63.6

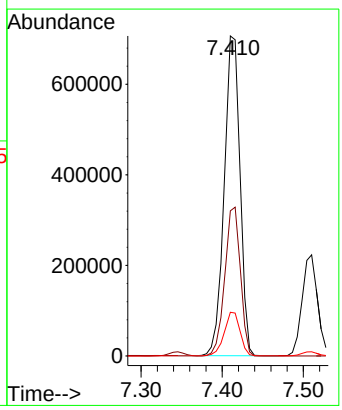


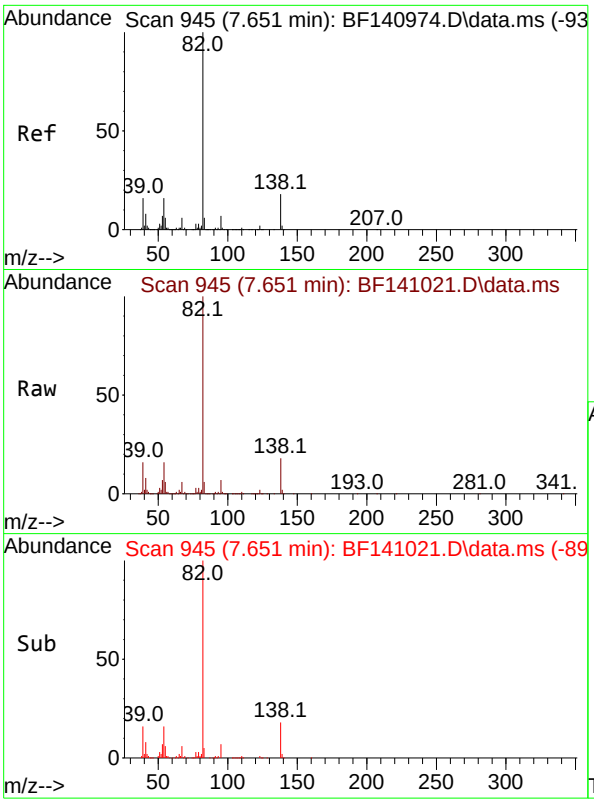


#24
Nitrobenzene
Concen: 51.716 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 77 Resp: 959427

Ion	Ratio	Lower	Upper
77	100		
123	45.4	35.4	53.2
65	13.6	10.7	16.1



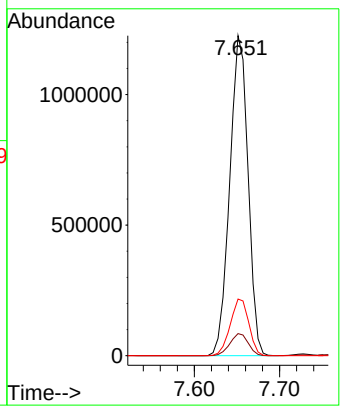


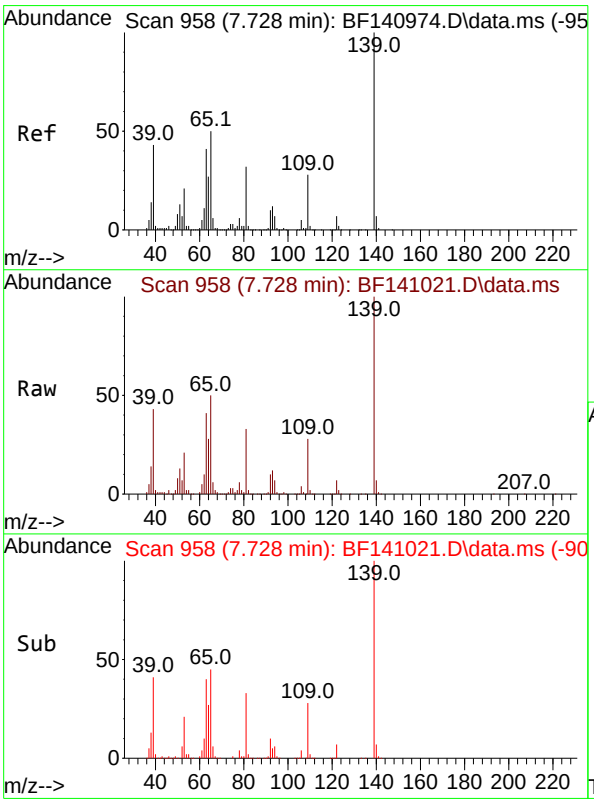
#25
Isophorone
Concen: 50.597 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 82 Resp: 1827974

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.6	8.4
138	17.7	14.6	21.8

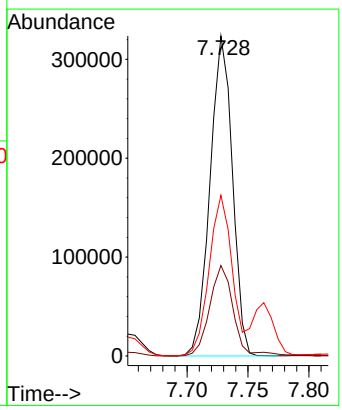


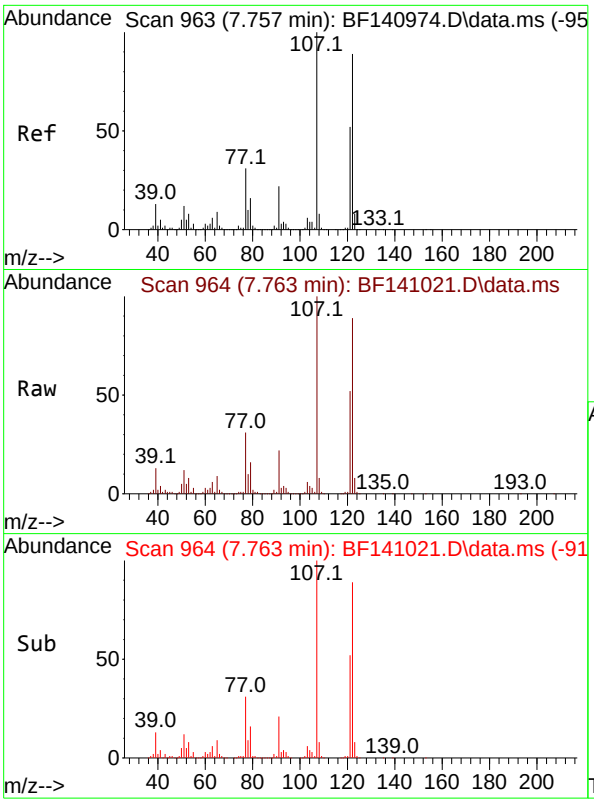


#26
2-Nitrophenol
Concen: 53.678 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:139 Resp: 413463

Ion	Ratio	Lower	Upper
139	100		
109	28.3	22.2	33.4
65	50.2	40.2	60.4



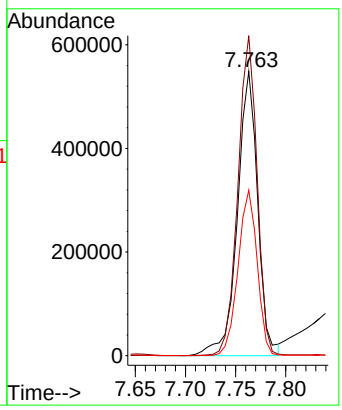


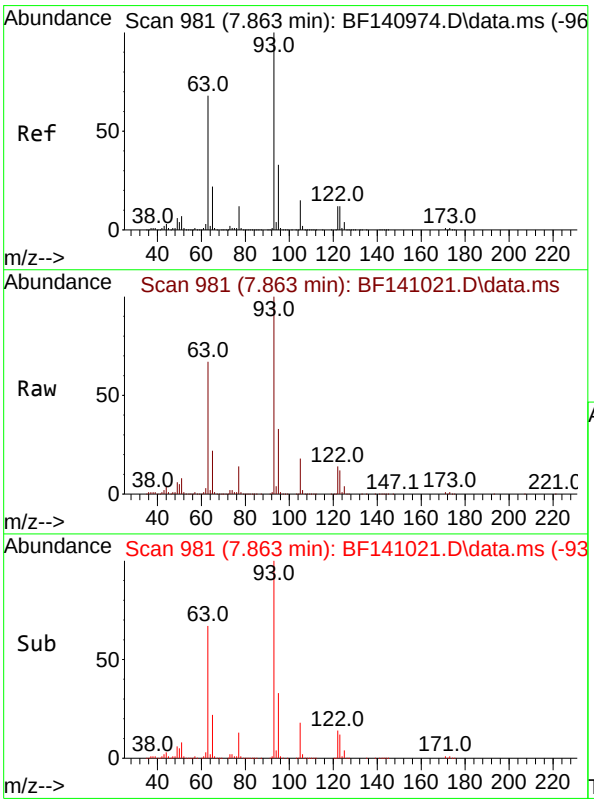
#27
2,4-Dimethylphenol
Concen: 58.615 ng
RT: 7.763 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:122 Resp: 773942

Ion	Ratio	Lower	Upper
122	100		
107	112.6	89.4	134.2
121	58.2	46.7	70.1

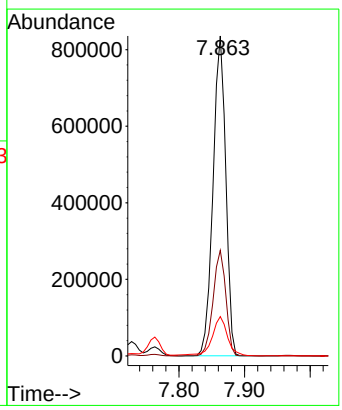


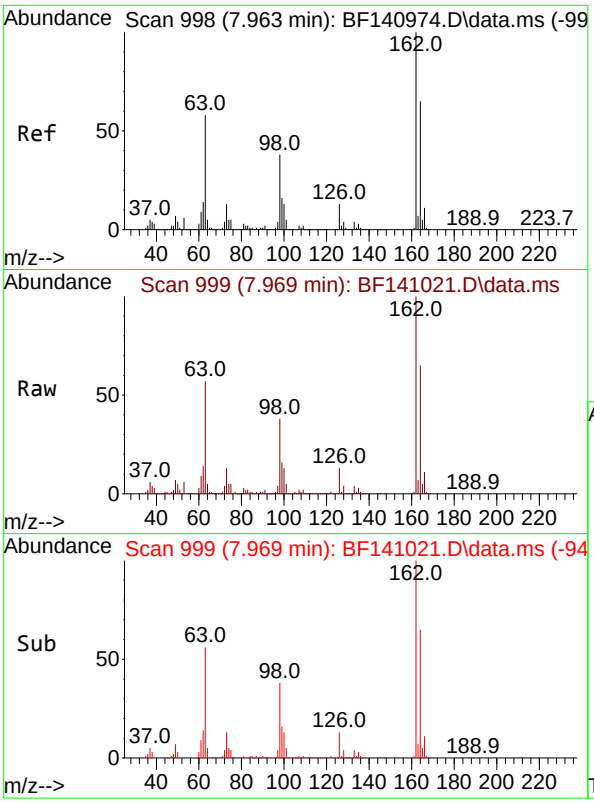


#28
bis(2-Chloroethoxy)methane
Concen: 49.099 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 93 Resp: 1123896

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.4
123	12.3	9.9	14.9



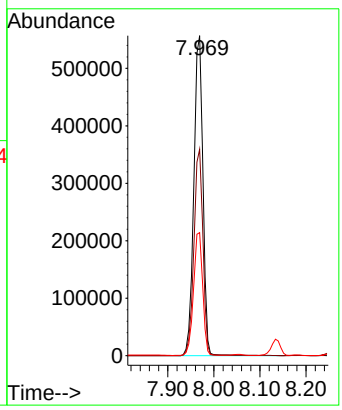


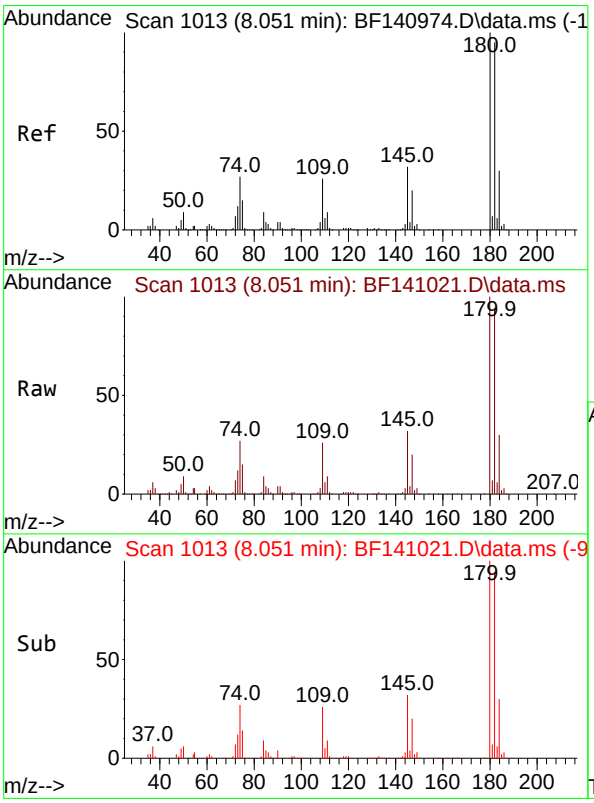
#29
2,4-Dichlorophenol
Concen: 50.745 ng
RT: 7.969 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:162 Resp: 759912

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.8	84.8
98	38.5	18.6	58.6

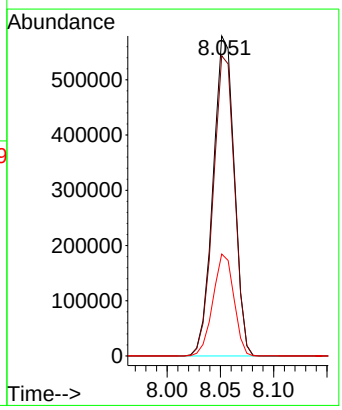


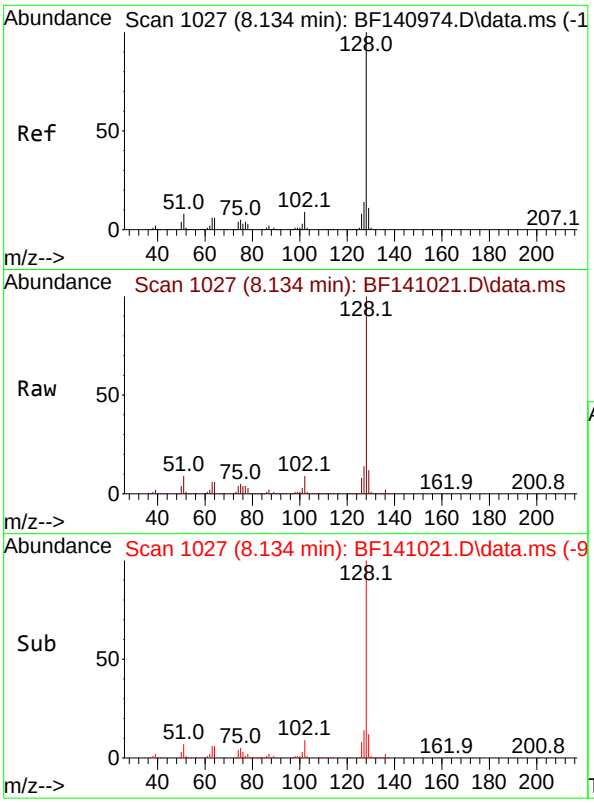


#30
1,2,4-Trichlorobenzene
Concen: 47.336 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:180 Resp: 802320

Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.2	114.4
145	31.9	25.4	38.2



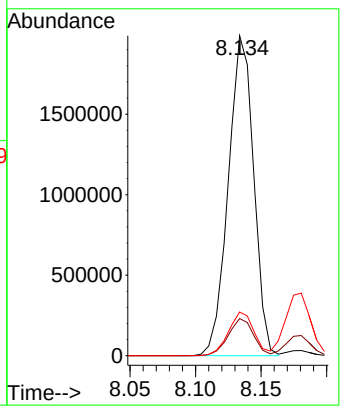


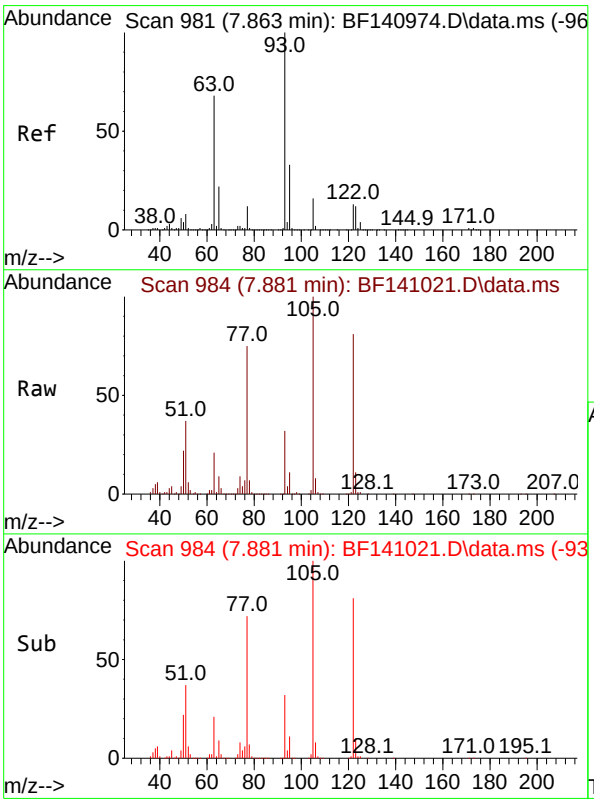
#31
Naphthalene
Concen: 47.871 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:128 Resp: 2679451

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.6	11.0	16.4

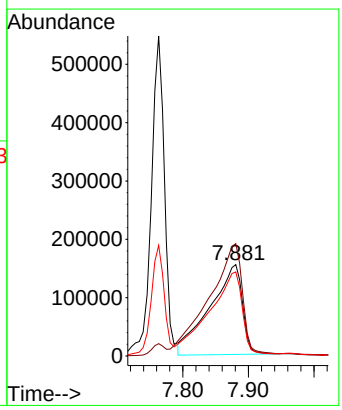


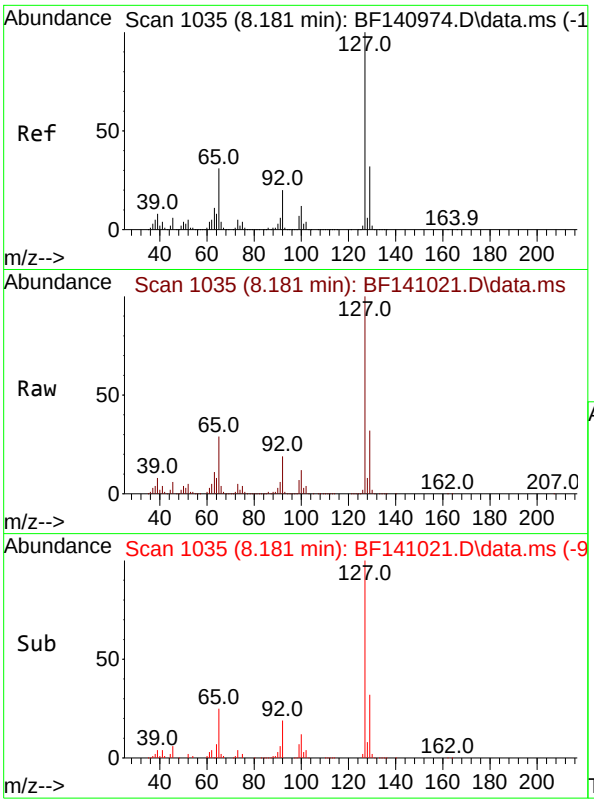


#32
Benzoic acid
Concen: 48.704 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.018 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:122 Resp: 530675

Ion	Ratio	Lower	Upper
122	100		
105	123.0	105.4	145.4
77	92.0	76.4	116.4



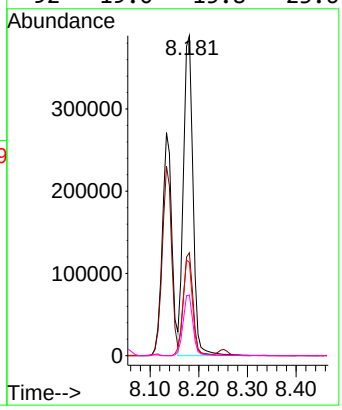


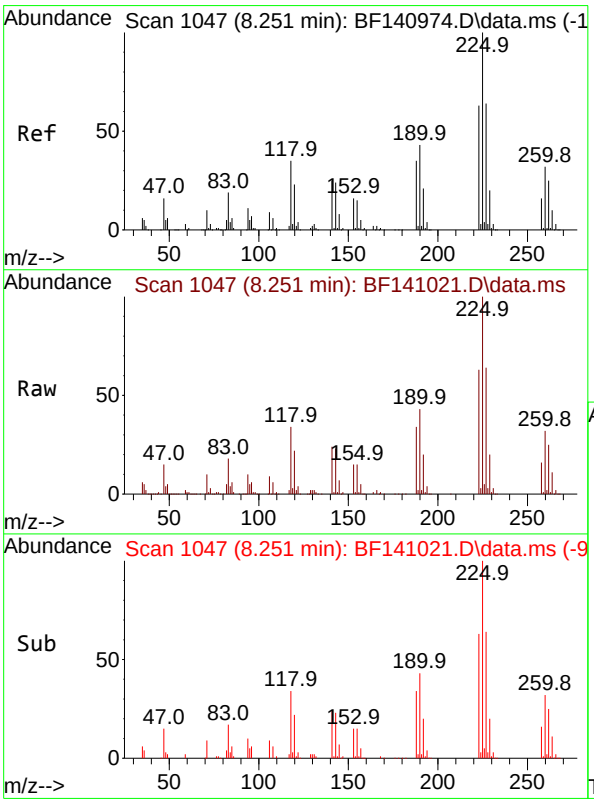
#33
4-Chloroaniline
Concen: 26.288 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:127 Resp: 532305

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	29.2	24.6	37.0
92	19.0	15.8	23.6

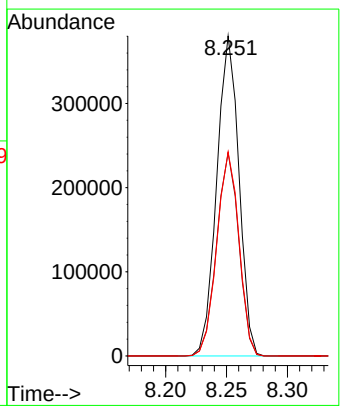


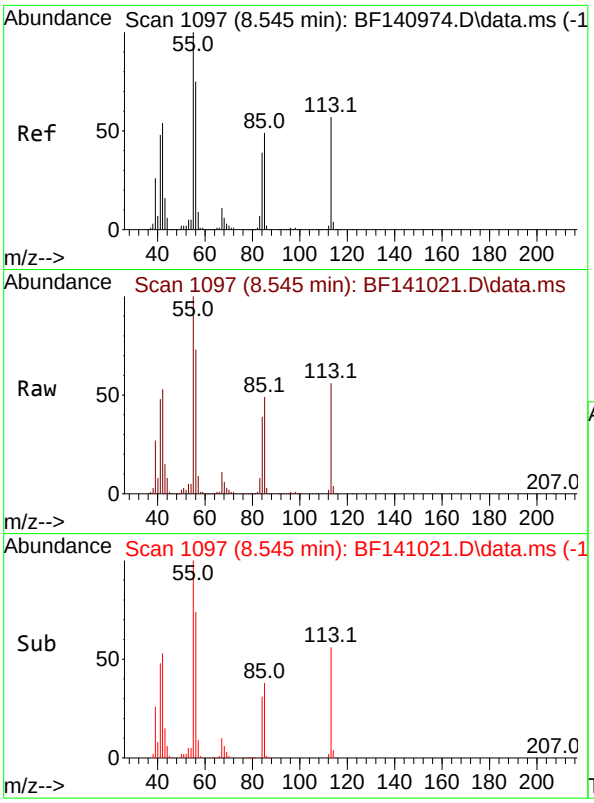


#34
Hexachlorobutadiene
Concen: 48.214 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:225 Resp: 481762

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.3	75.5
227	63.7	50.8	76.2



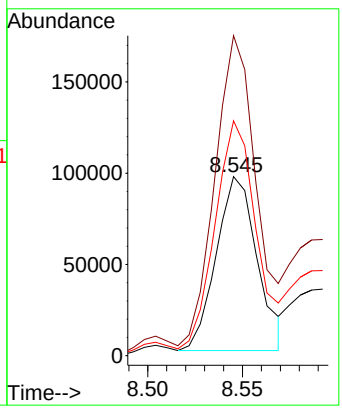


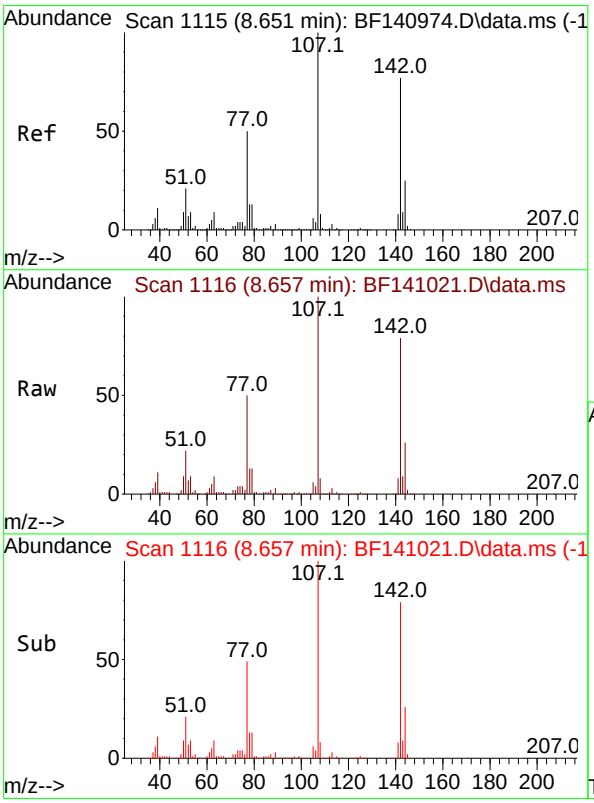
#35
Caprolactam
Concen: 28.184 ng
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:113 Resp: 143480

Ion	Ratio	Lower	Upper
113	100		
55	178.7	156.6	196.6
56	131.2	111.7	151.7

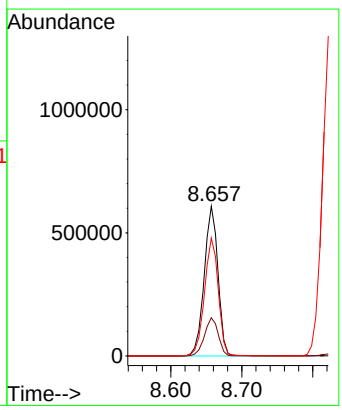


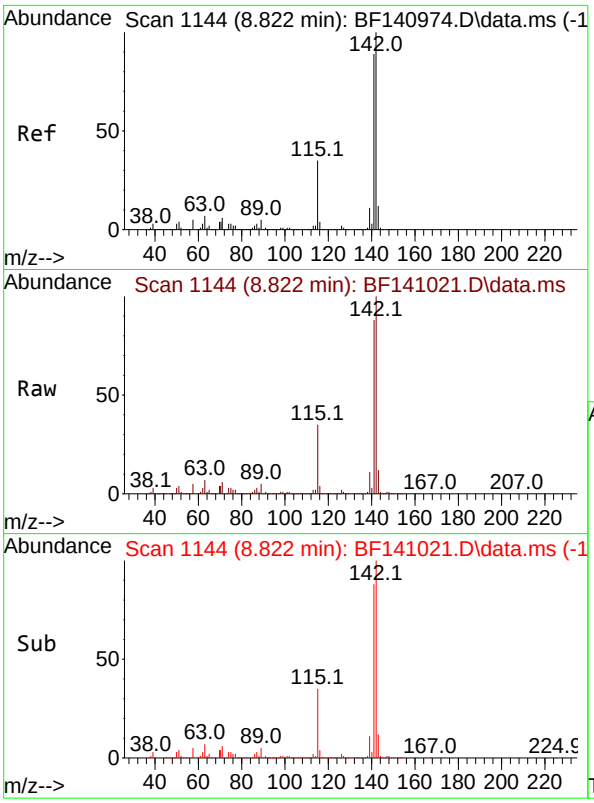


#36
4-Chloro-3-methylphenol
Concen: 49.402 ng
RT: 8.657 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:107 Resp: 821594

Ion	Ratio	Lower	Upper
107	100		
144	25.5	19.9	29.9
142	78.7	61.8	92.8



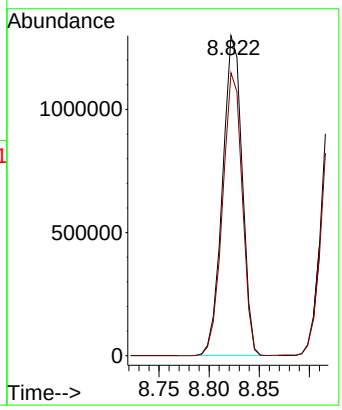


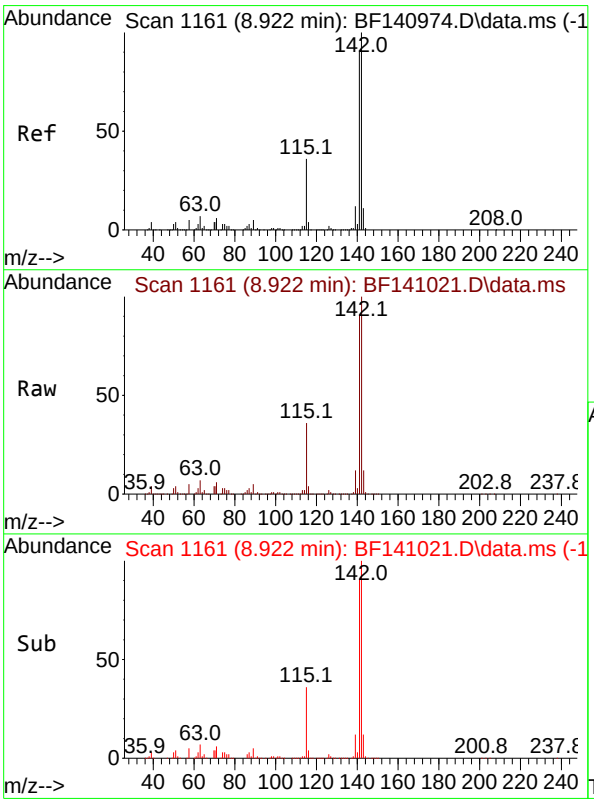
#37
2-Methylnaphthalene
Concen: 49.271 ng
RT: 8.822 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:142 Resp: 1764256

Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.1	106.7

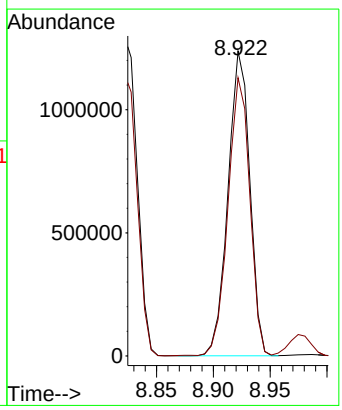


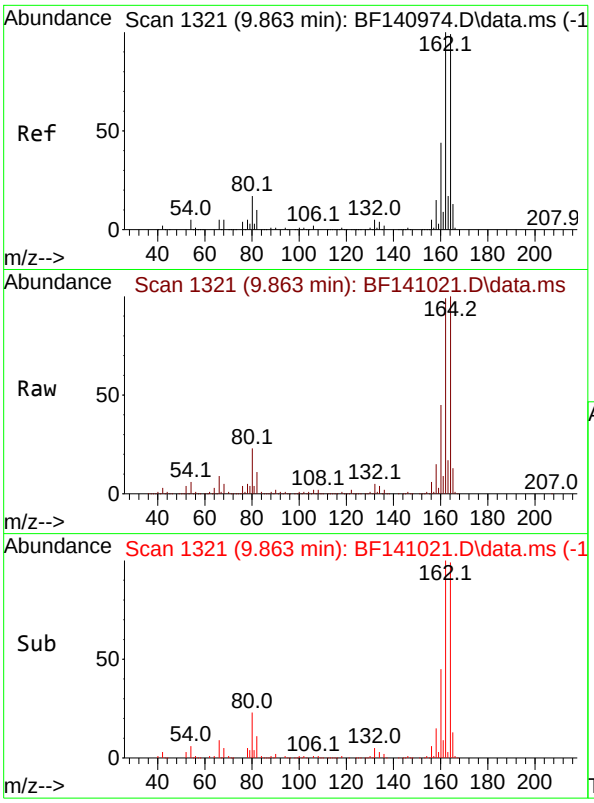


#38
1-Methylnaphthalene
Concen: 46.876 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:142 Resp: 1649595

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.7	109.1



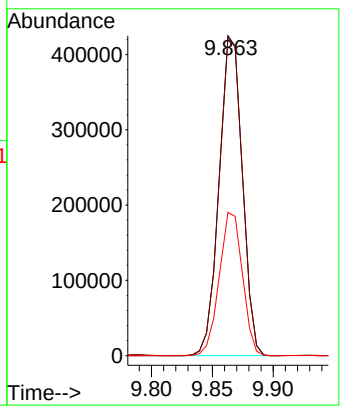


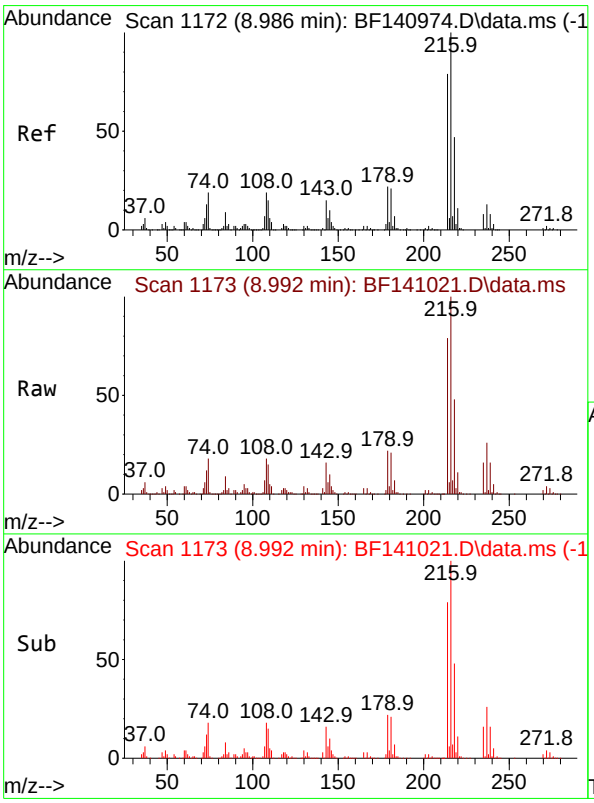
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:164 Resp: 563633

Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.6	120.8
160	44.8	35.7	53.5

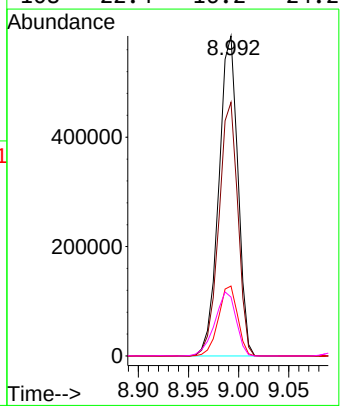


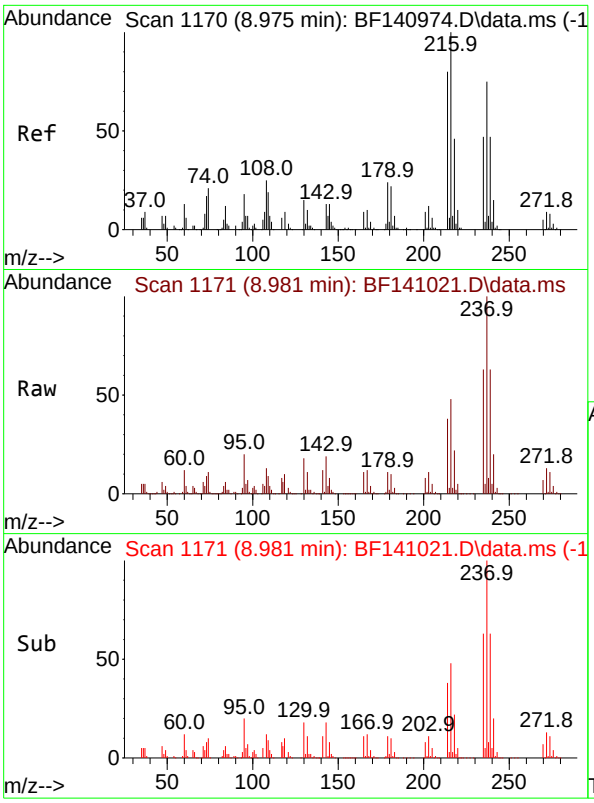


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.742 ng
RT: 8.992 min Scan# 1173
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:216 Resp: 771312

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.6
179	22.0	17.9	26.9
108	22.4	16.2	24.2



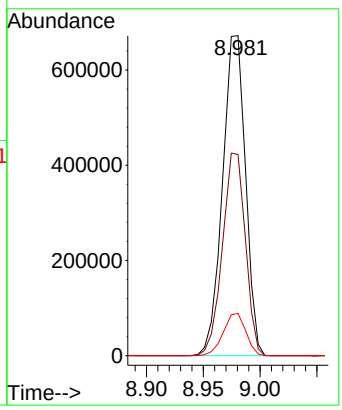


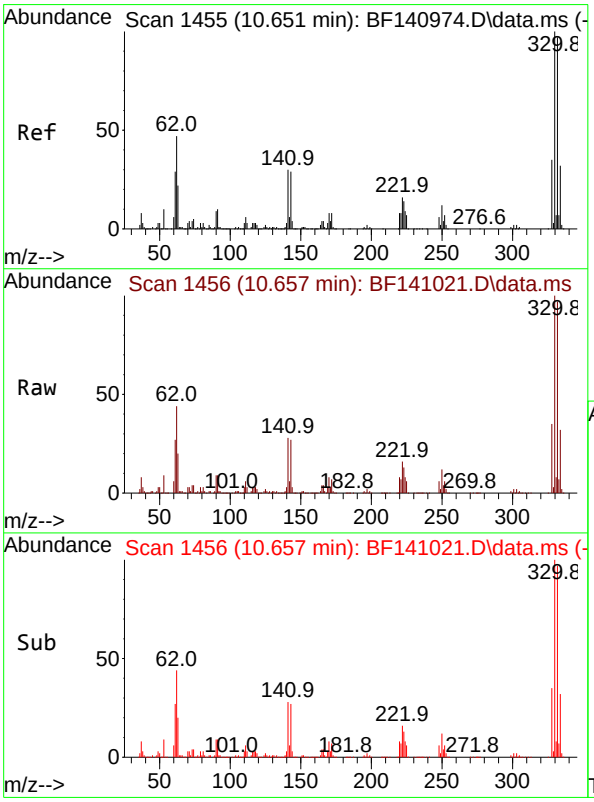
#41
Hexachlorocyclopentadiene
Concen: 184.288 ng
RT: 8.981 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:237 Resp: 946981

Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.4	83.4
272	13.2	0.0	32.6

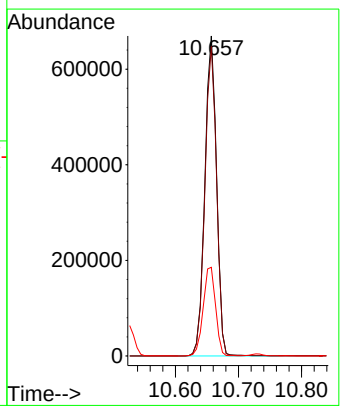


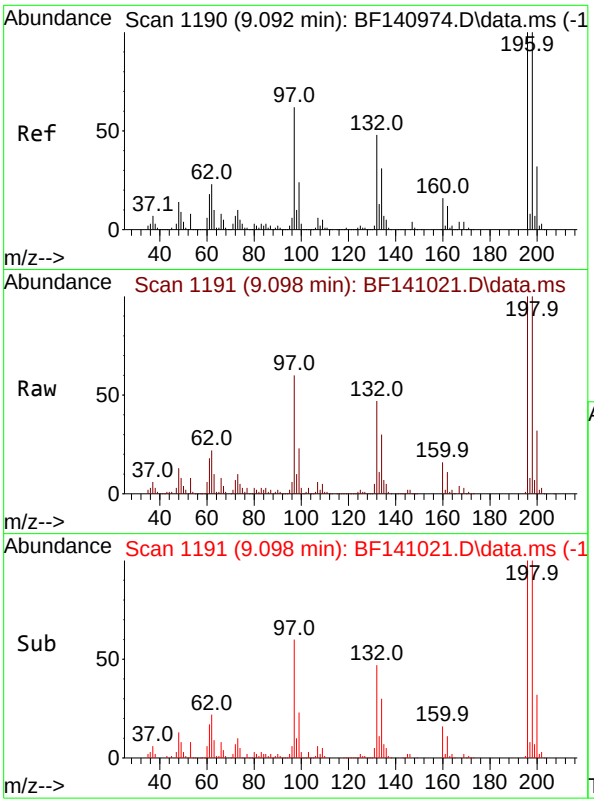


#42
2,4,6-Tribromophenol
Concen: 157.623 ng
RT: 10.657 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:330 Resp: 863281

Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.0	117.0
141	29.5	26.4	39.6



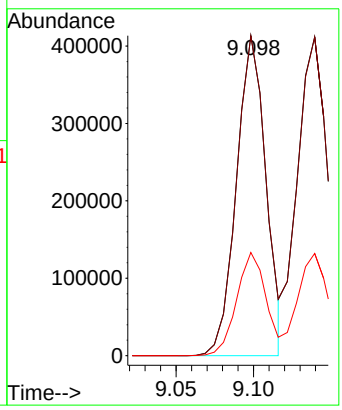


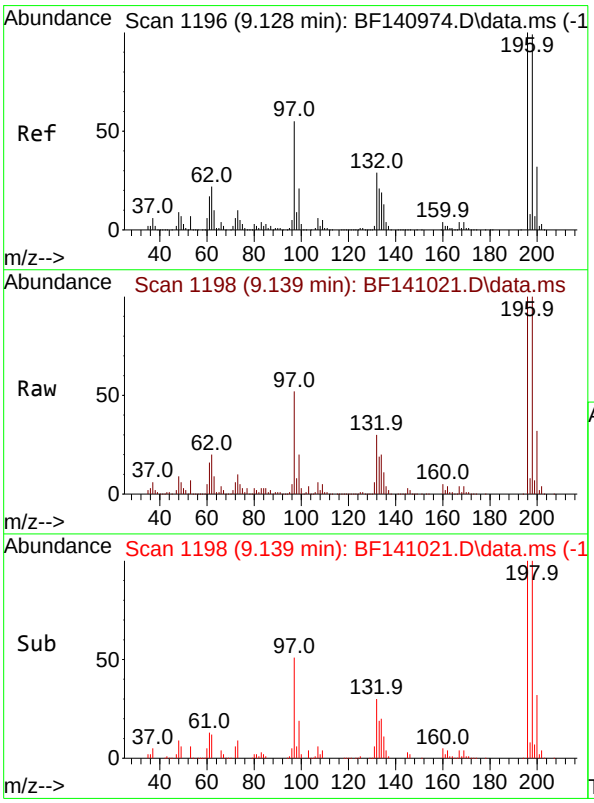
#43
2,4,6-Trichlorophenol
Concen: 52.888 ng
RT: 9.098 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:196 Resp: 545815

Ion	Ratio	Lower	Upper
196	100		
198	99.9	80.2	120.4
200	32.2	25.8	38.6

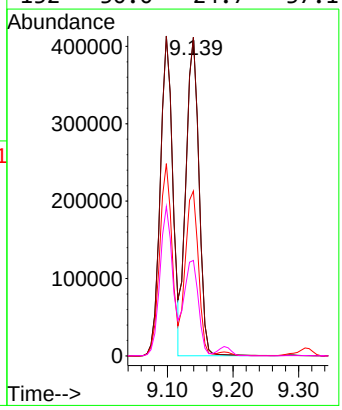


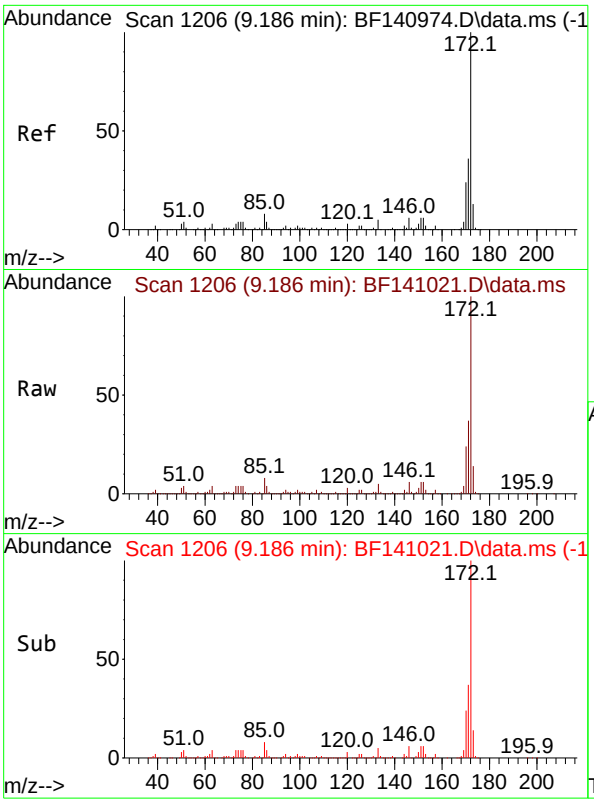


#44
2,4,5-Trichlorophenol
Concen: 53.400 ng
RT: 9.139 min Scan# 1198
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:196 Resp: 563885

Ion	Ratio	Lower	Upper
196	100		
198	99.9	79.9	119.9
97	51.8	44.3	66.5
132	30.0	24.7	37.1



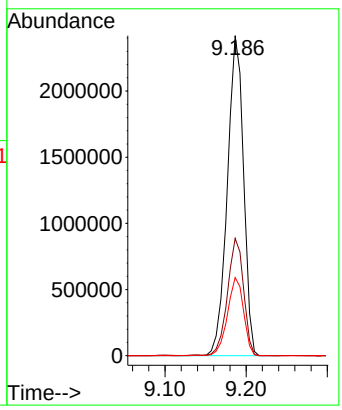


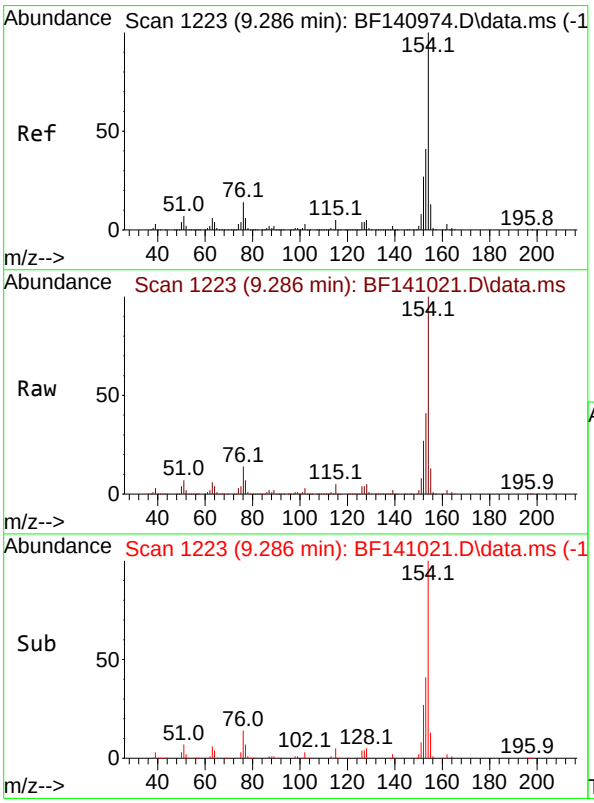
#45
2-Fluorobiphenyl
Concen: 94.811 ng
RT: 9.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:172 Resp: 3354071

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.0	43.4
170	24.4	19.6	29.4

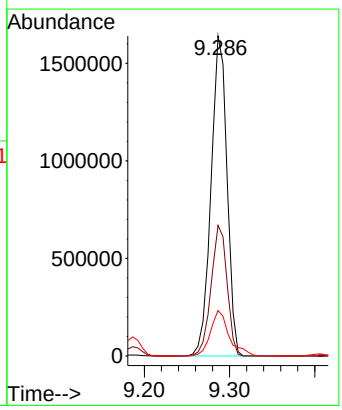


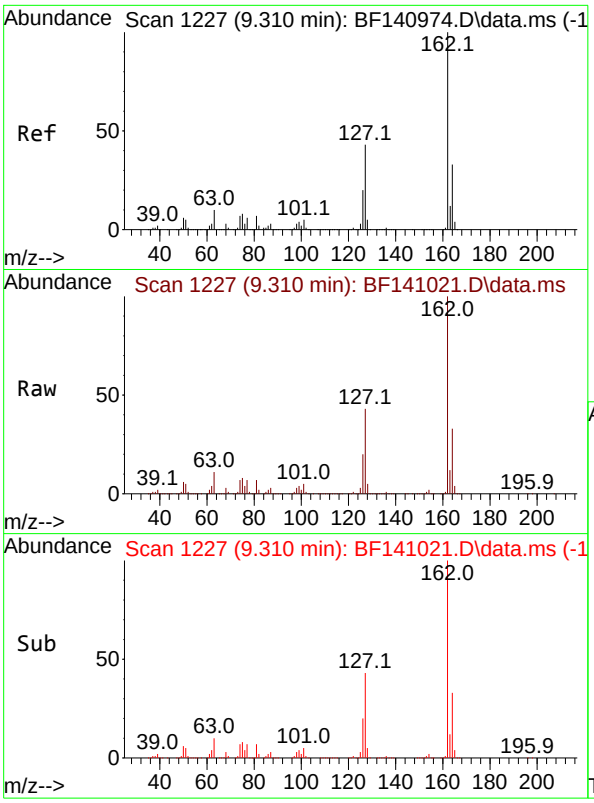


#46
1,1'-Biphenyl
Concen: 49.635 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:154 Resp: 2142081

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.9	60.9
76	14.2	0.0	34.0



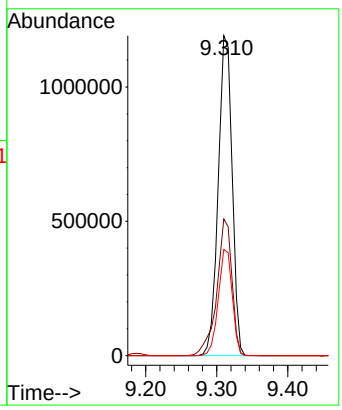


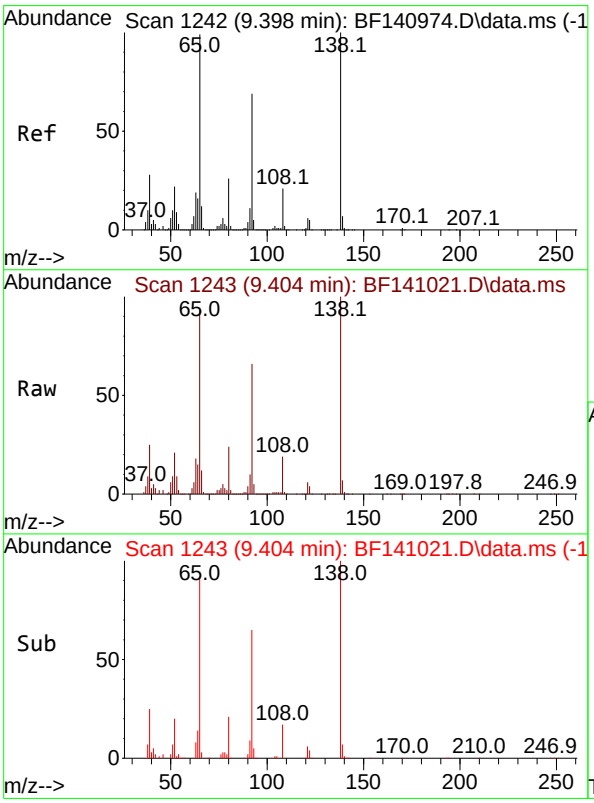
#47
2-Chloronaphthalene
Concen: 48.245 ng
RT: 9.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:162 Resp: 1614810

Ion	Ratio	Lower	Upper
162	100		
127	42.7	34.2	51.4
164	33.2	26.6	40.0

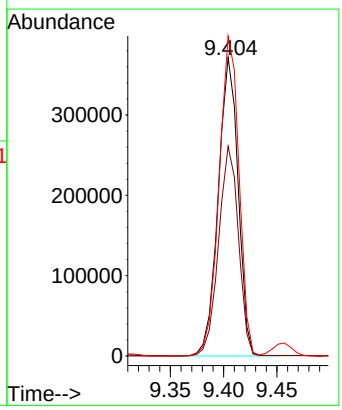


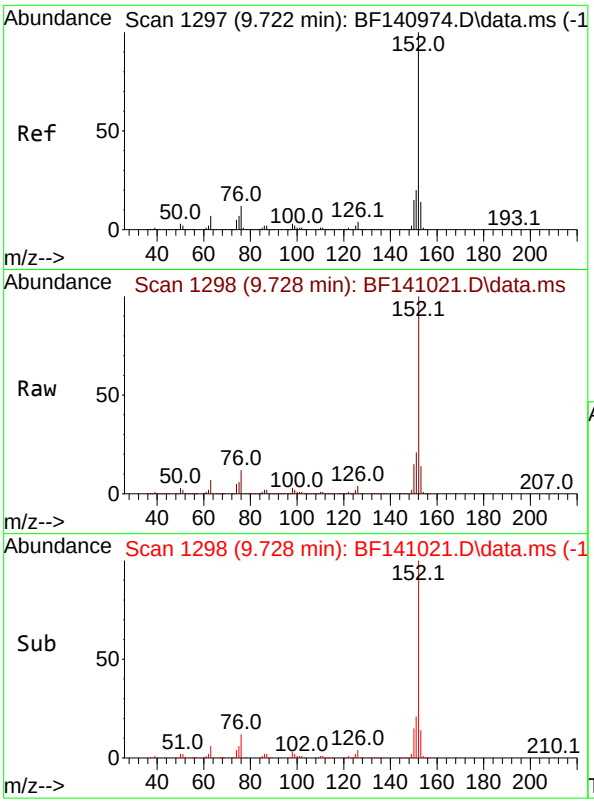


#48
2-Nitroaniline
Concen: 54.432 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion: 65 Resp: 482653

Ion	Ratio	Lower	Upper
65	100		
92	70.2	55.6	83.4
138	107.2	80.5	120.7



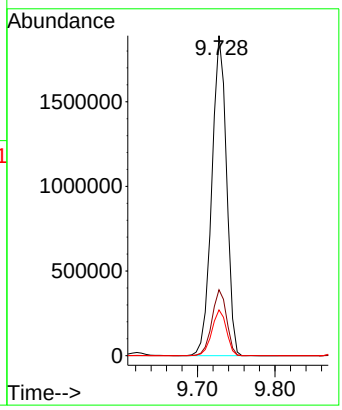


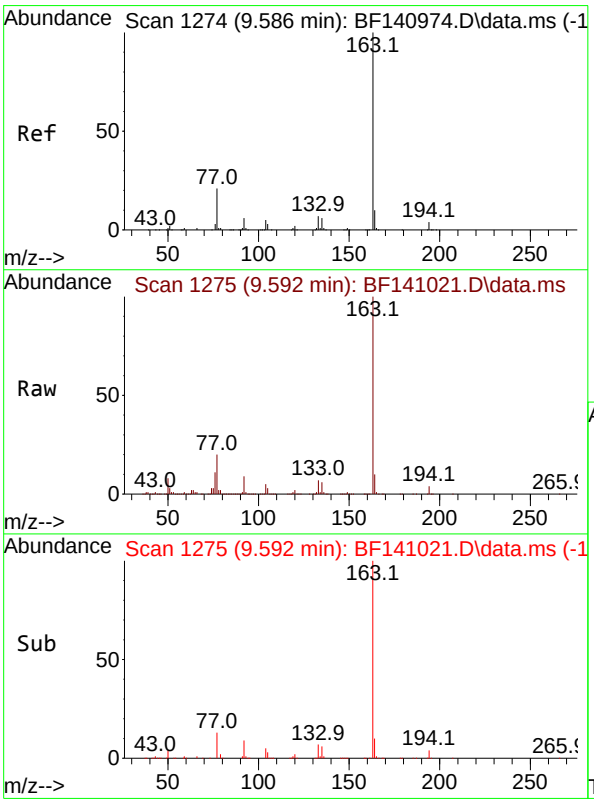
#49
Acenaphthylene
Concen: 51.689 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:152 Resp: 2490576

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4
153	14.3	11.4	17.0

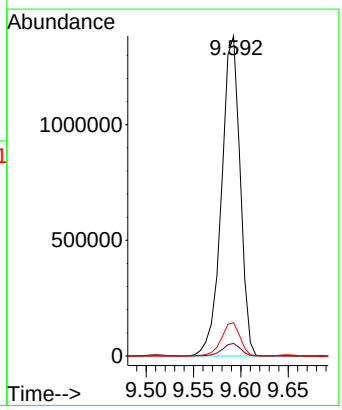


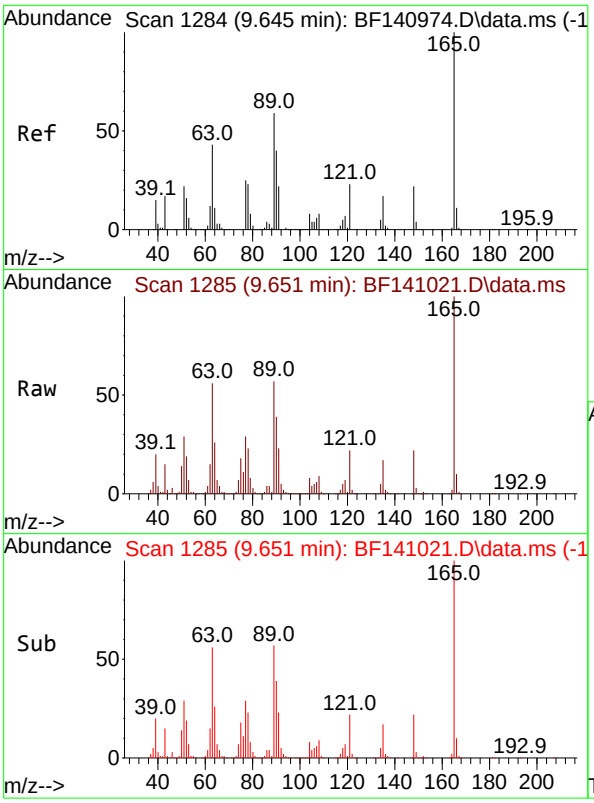


#50
Dimethylphthalate
Concen: 50.969 ng
RT: 9.592 min Scan# 1275
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:163 Resp: 1889611

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.3	12.5



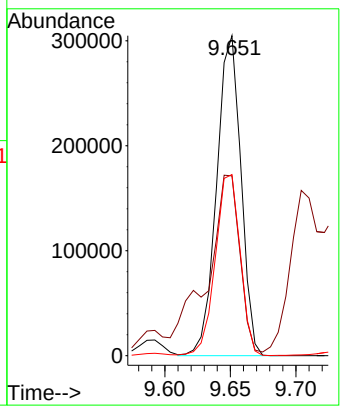


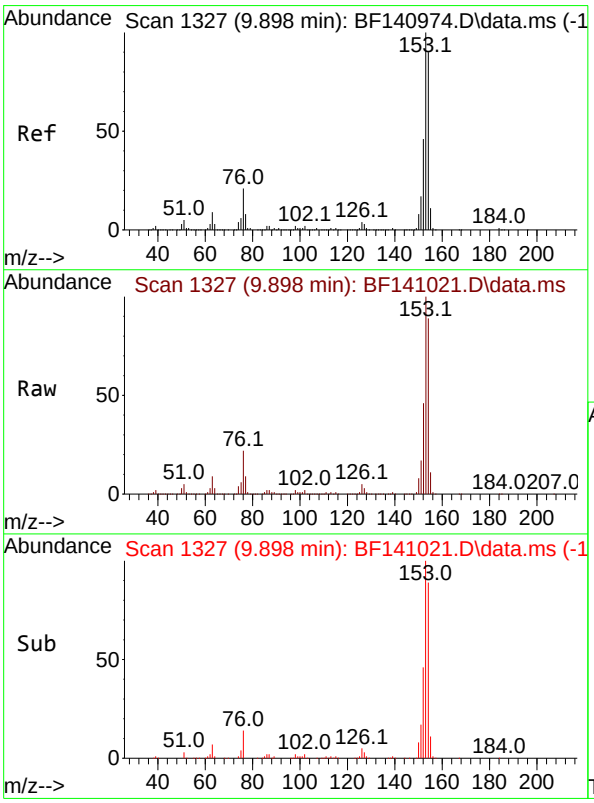
#51
2,6-Dinitrotoluene
Concen: 51.656 ng
RT: 9.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:165 Resp: 392834

Ion	Ratio	Lower	Upper
165	100		
63	56.2	47.1	70.7
89	56.6	47.0	70.4

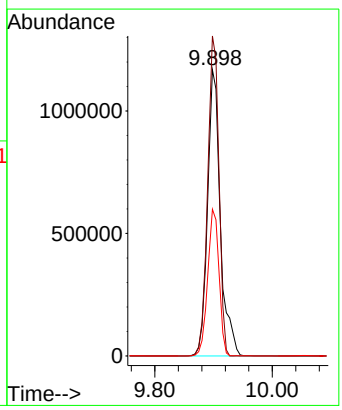


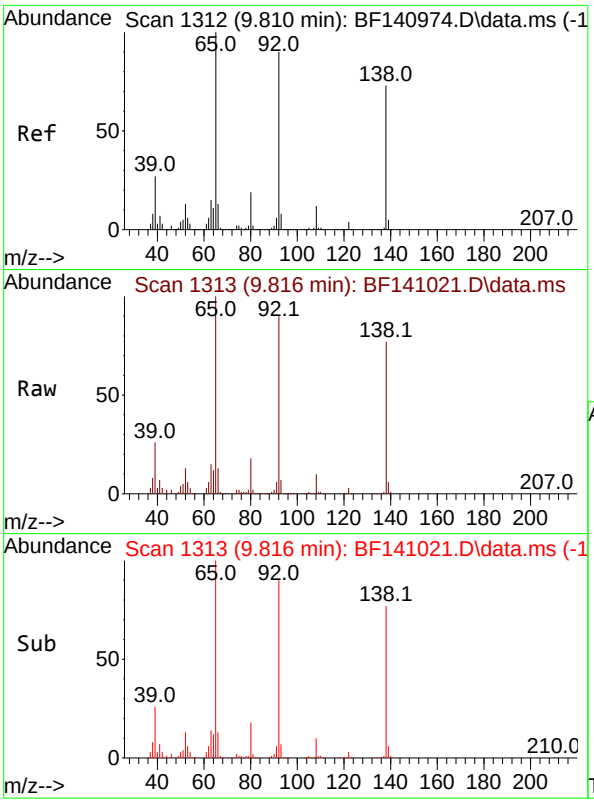


#52
Acenaphthene
Concen: 53.990 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:154 Resp: 1758675

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.2	133.8
152	51.3	40.9	61.3



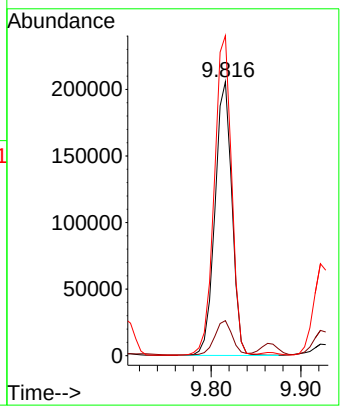


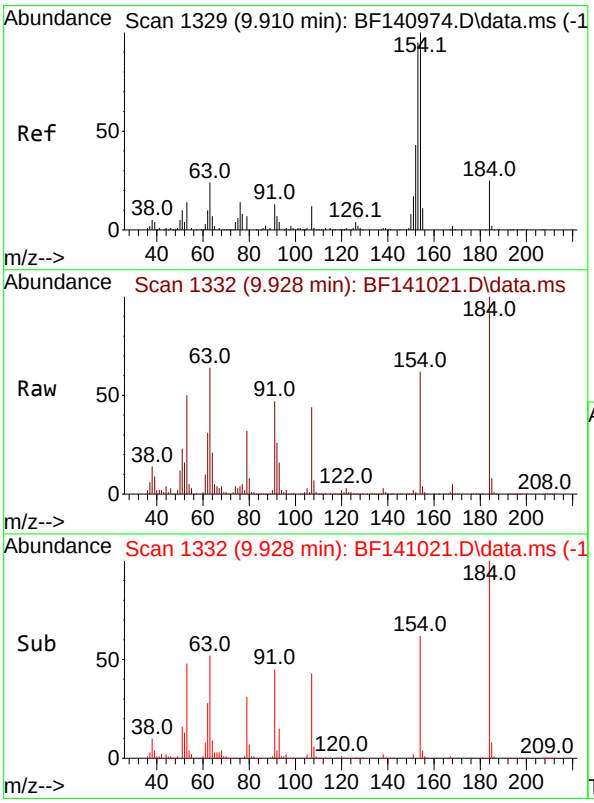
#53
3-Nitroaniline
Concen: 33.872 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:138 Resp: 270023

Ion	Ratio	Lower	Upper
138	100		
108	12.8	13.5	20.3#
92	116.8	97.7	146.5

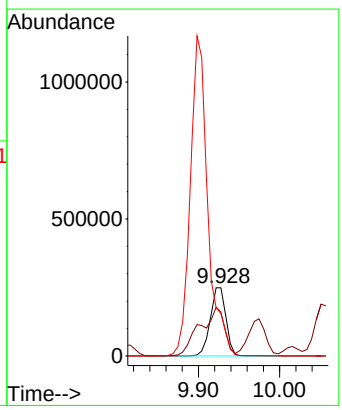


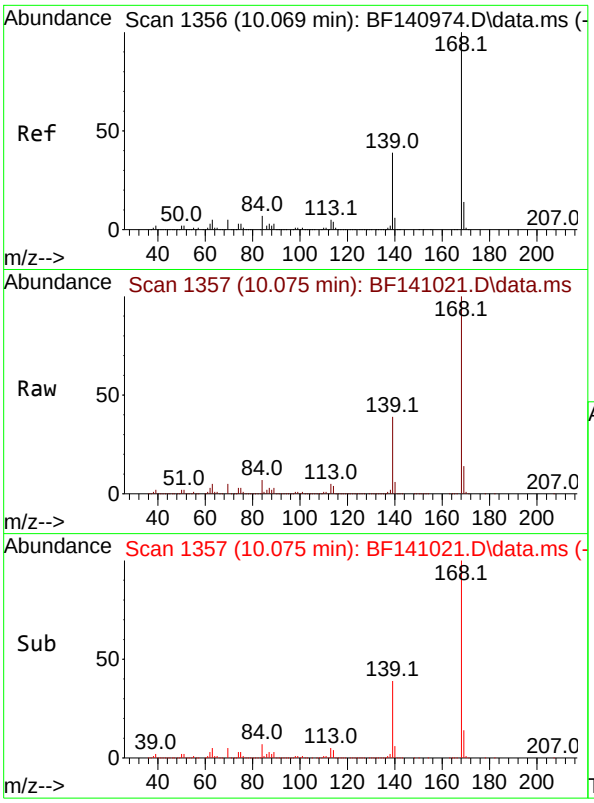


#54
2,4-Dinitrophenol
Concen: 99.313 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.018 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:184 Resp: 332519

Ion	Ratio	Lower	Upper
184	100		
63	64.4	81.6	122.4#
154	62.1	363.5	545.3#



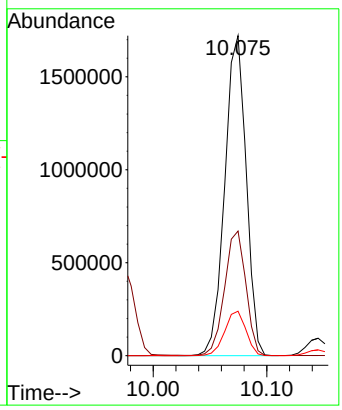


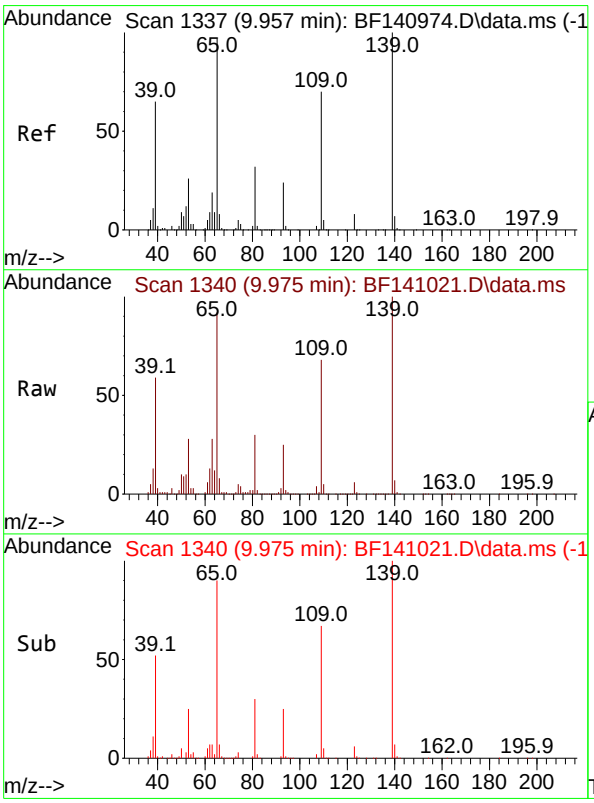
#55
Dibenzofuran
Concen: 49.180 ng
RT: 10.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:168 Resp: 2251400

Ion	Ratio	Lower	Upper
168	100		
139	38.9	31.6	47.4
169	13.9	11.0	16.6

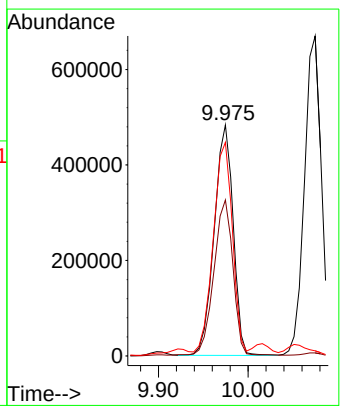


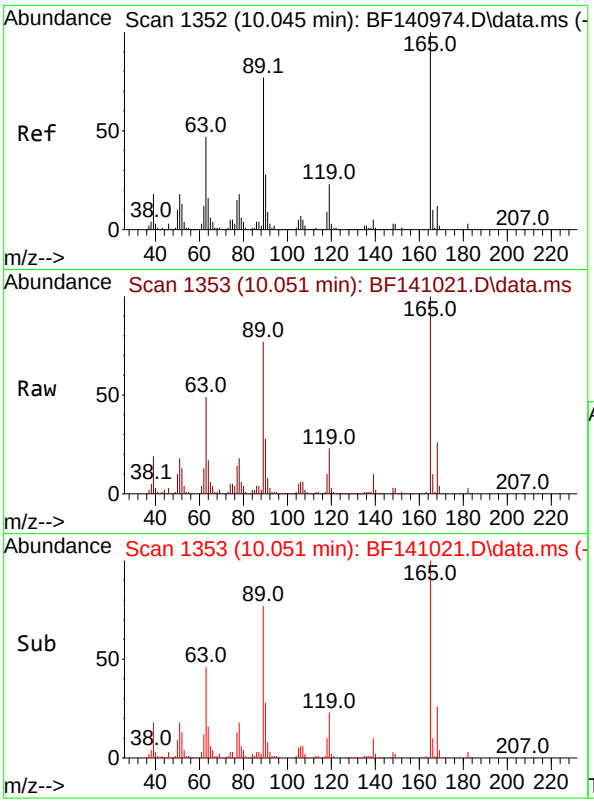


#56
4-Nitrophenol
Concen: 111.872 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.018 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:139 Resp: 709465

Ion	Ratio	Lower	Upper
139	100		
109	67.5	50.8	90.8
65	92.5	78.5	118.5



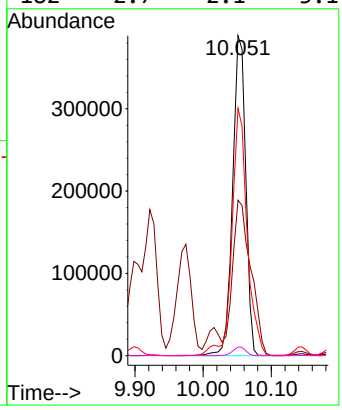


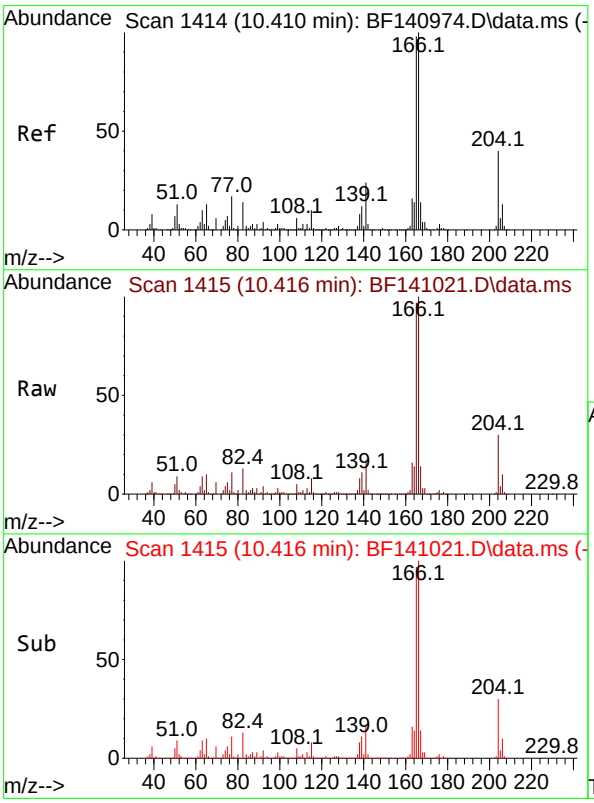
#57
2,4-Dinitrotoluene
Concen: 55.370 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:165 Resp: 519335

Ion	Ratio	Lower	Upper
165	100		
63	48.6	38.1	57.1
89	77.2	61.4	92.2
182	2.7	2.1	3.1

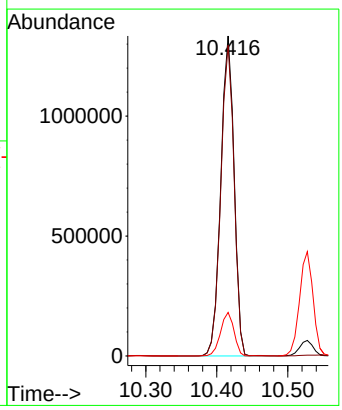


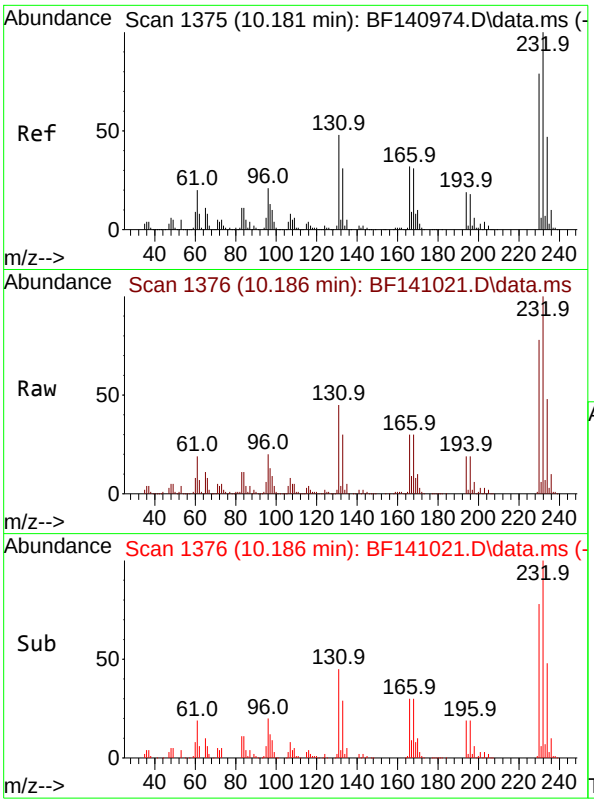


#58
Fluorene
Concen: 48.699 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:166 Resp: 1728750

Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.3	117.5
167	13.6	10.9	16.3



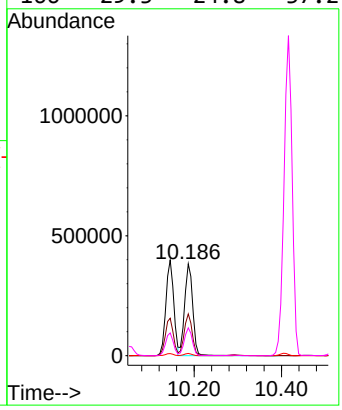


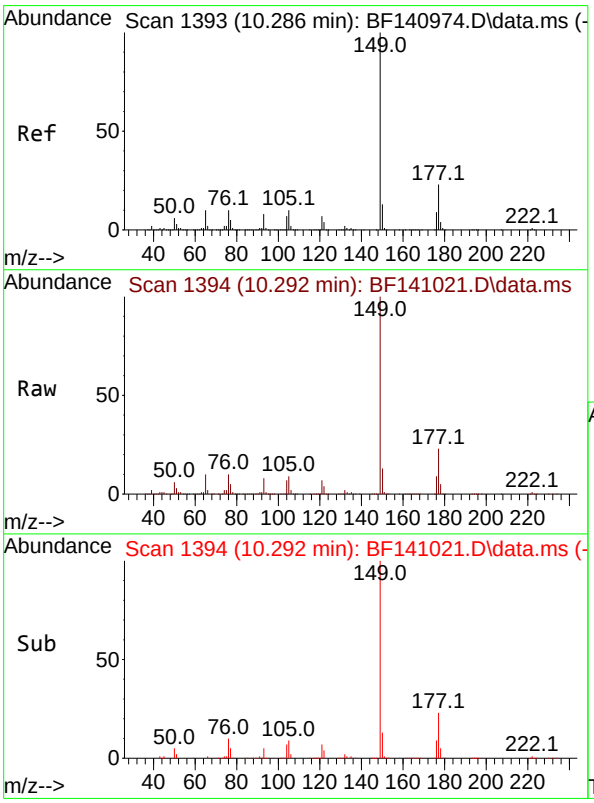
#59
2,3,4,6-Tetrachlorophenol
Concen: 55.943 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:232 Resp: 489241

Ion	Ratio	Lower	Upper
232	100		
131	44.5	37.4	56.2
130	2.3	1.8	2.8
166	29.3	24.8	37.2

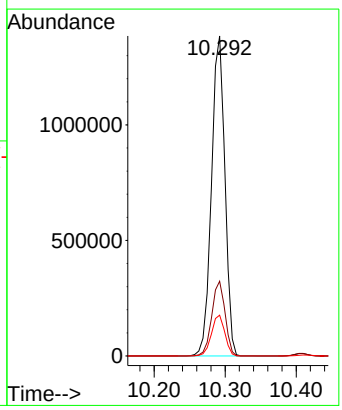


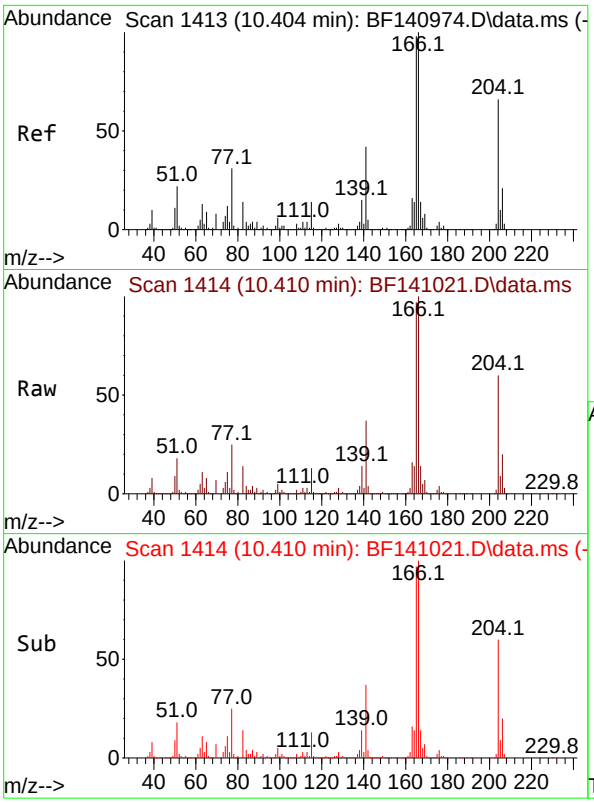


#60
Diethylphthalate
Concen: 49.607 ng
RT: 10.292 min Scan# 1394
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:149 Resp: 1815649

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.3	27.5
150	12.7	10.4	15.6



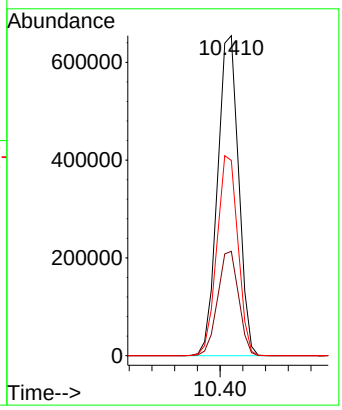


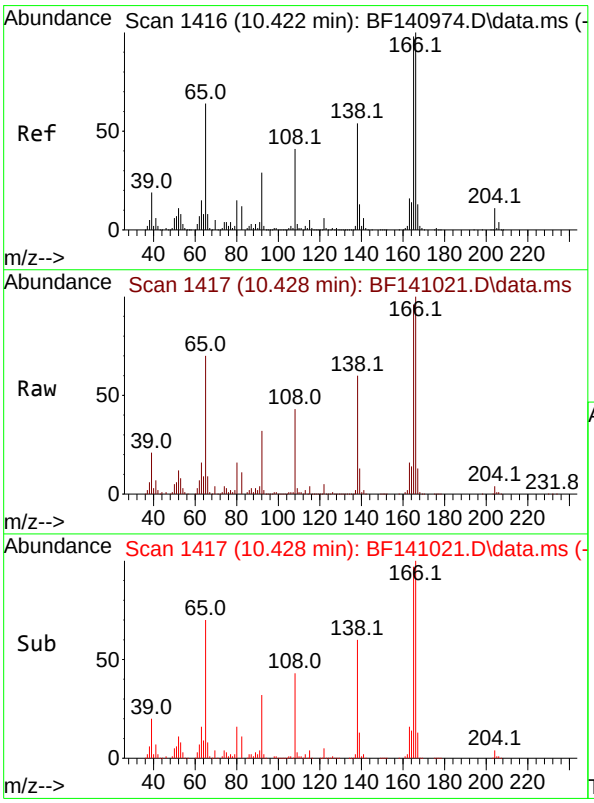
#61
4-Chlorophenyl-phenylether
Concen: 49.422 ng
RT: 10.410 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:204 Resp: 844190

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.6
141	61.0	51.2	76.8

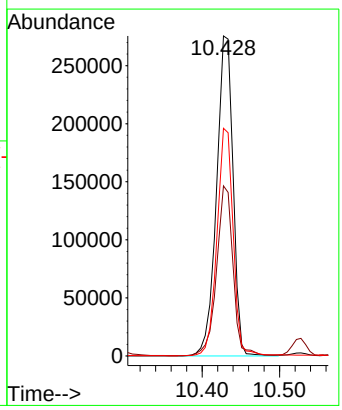


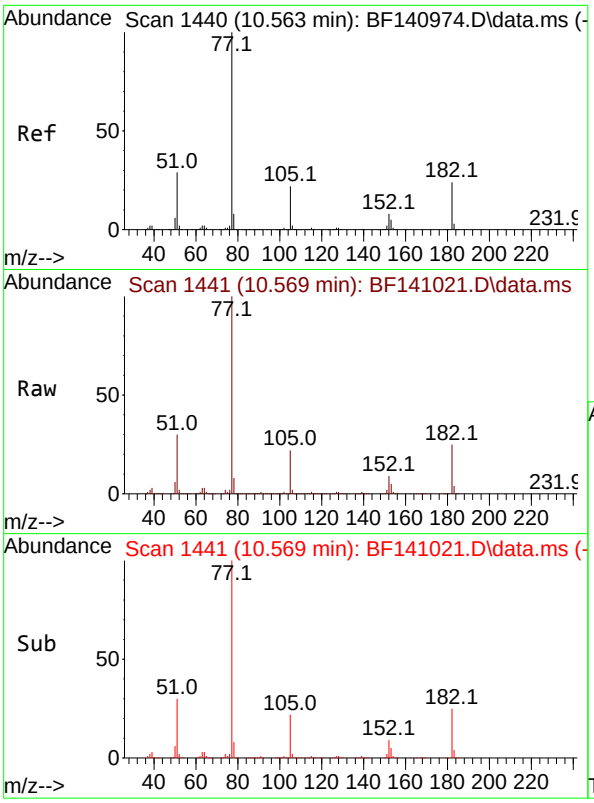


#62
4-Nitroaniline
Concen: 49.758 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:138 Resp: 409804

Ion	Ratio	Lower	Upper
138	100		
92	53.2	34.8	74.8
108	71.2	55.9	95.9



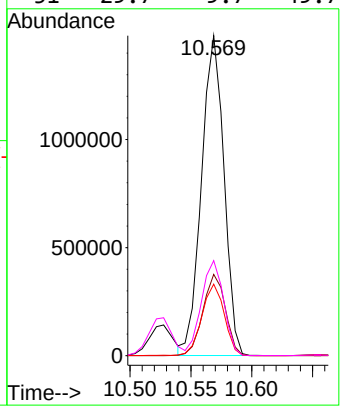


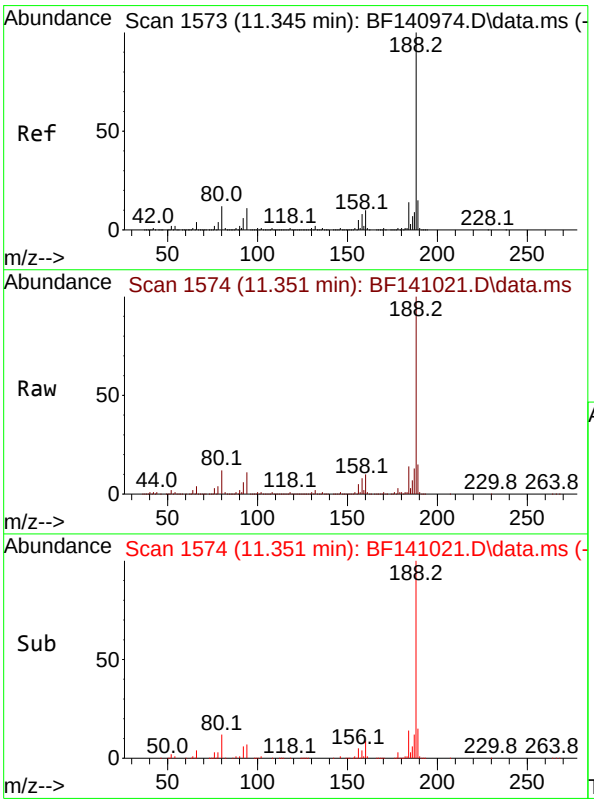
#63
Azobenzene
Concen: 49.369 ng
RT: 10.569 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion: 77 Resp: 1896588

Ion	Ratio	Lower	Upper
77	100		
182	25.4	4.1	44.1
105	22.3	1.8	41.8
51	29.7	9.7	49.7

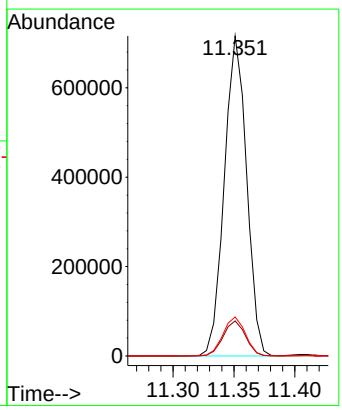


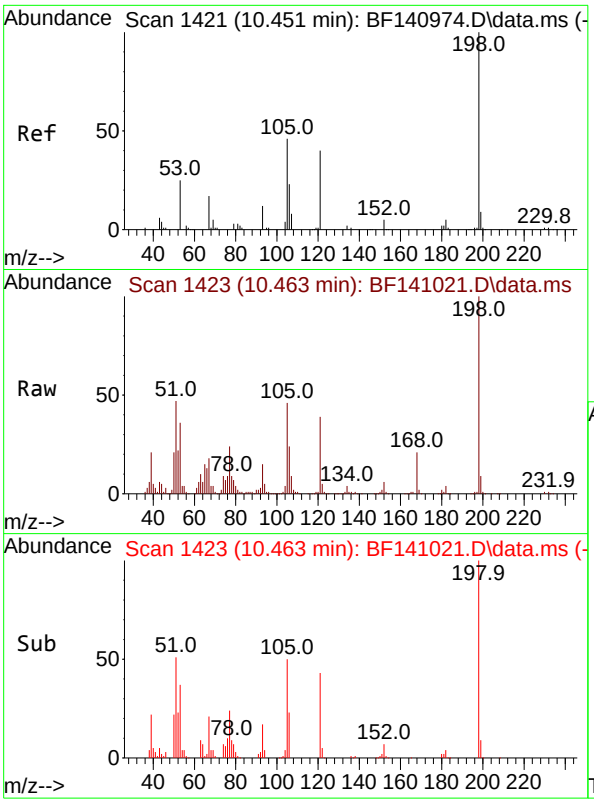


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:188 Resp: 910683

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.0	13.6
80	12.2	9.8	14.6



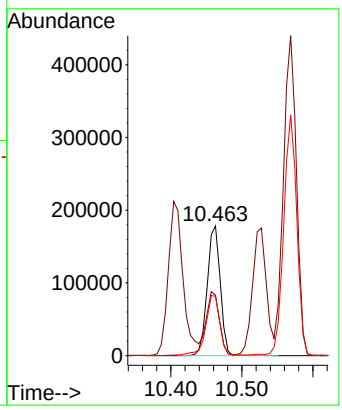


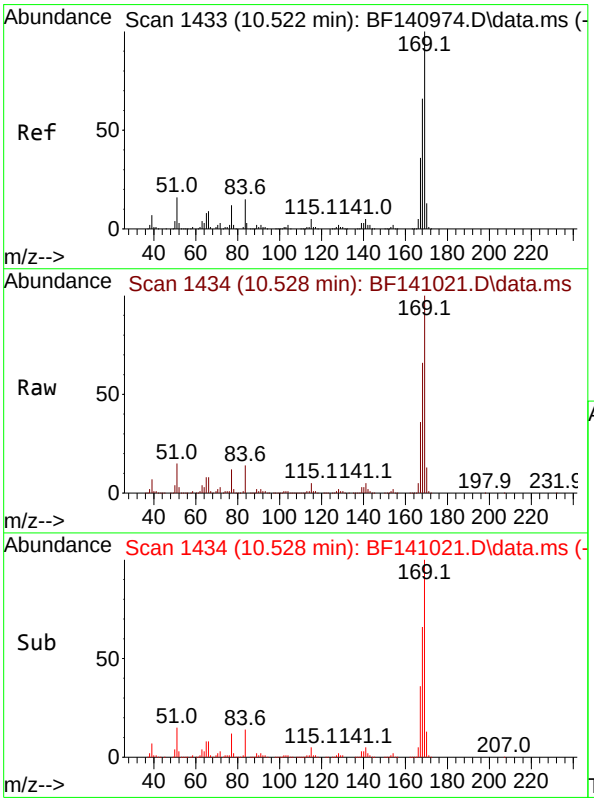
#65
4,6-Dinitro-2-methylphenol
Concen: 59.869 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:198 Resp: 227800

Ion	Ratio	Lower	Upper
198	100		
51	46.7	32.3	72.3
105	45.7	28.4	68.4

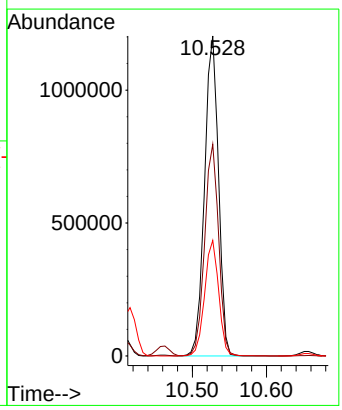


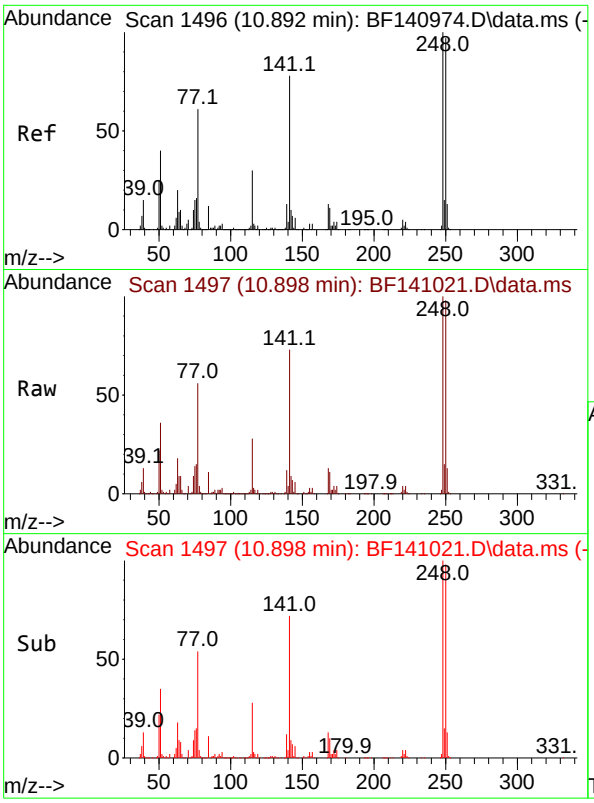


#66
n-Nitrosodiphenylamine
Concen: 54.689 ng
RT: 10.528 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:169 Resp: 1568332

Ion	Ratio	Lower	Upper
169	100		
168	66.1	52.6	79.0
167	36.1	29.0	43.4



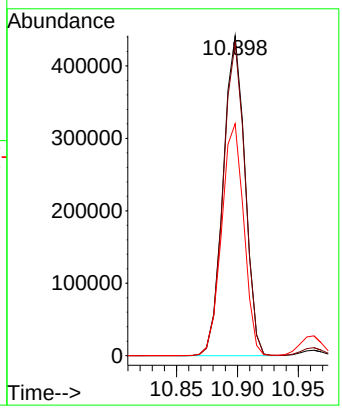


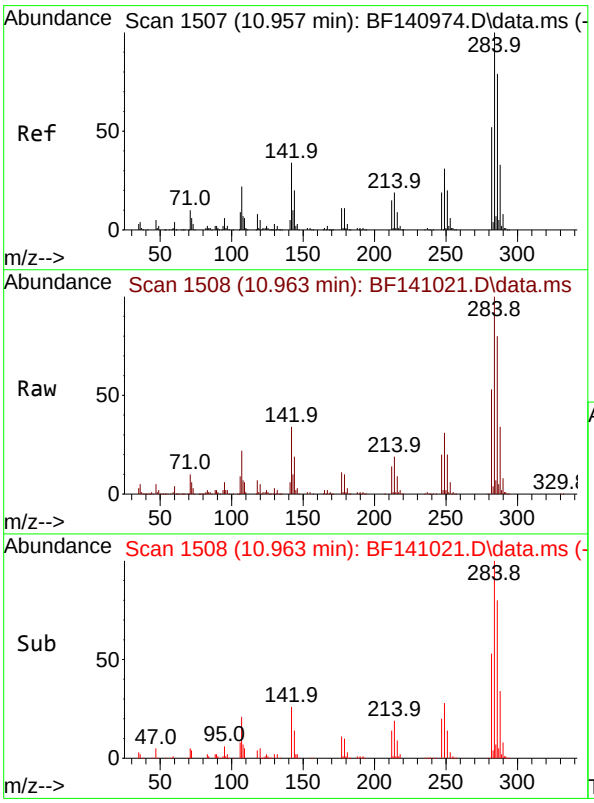
#67
4-Bromophenyl-phenylether
Concen: 55.913 ng
RT: 10.898 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:248 Resp: 550440

Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.7	116.5
141	72.5	62.1	93.1

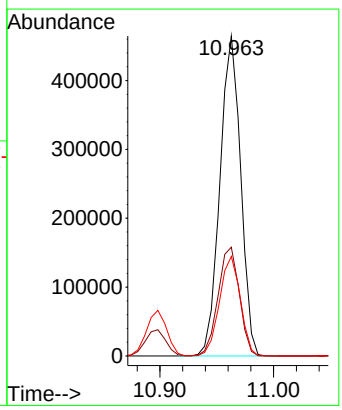


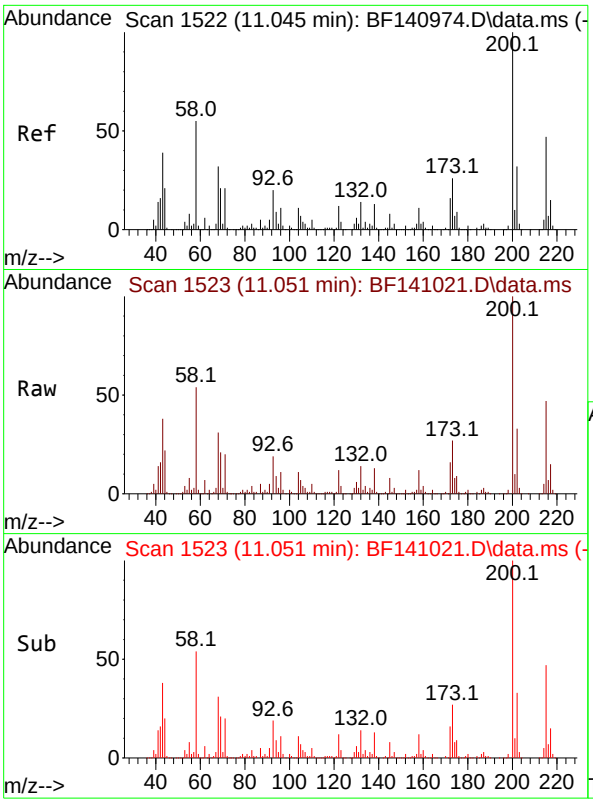


#68
Hexachlorobenzene
Concen: 54.336 ng
RT: 10.963 min Scan# 1508
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:284 Resp: 589836

Ion	Ratio	Lower	Upper
284	100		
142	34.0	27.1	40.7
249	31.1	25.1	37.7



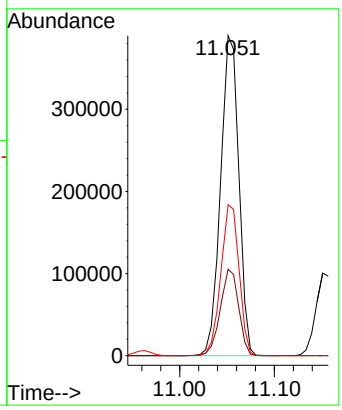


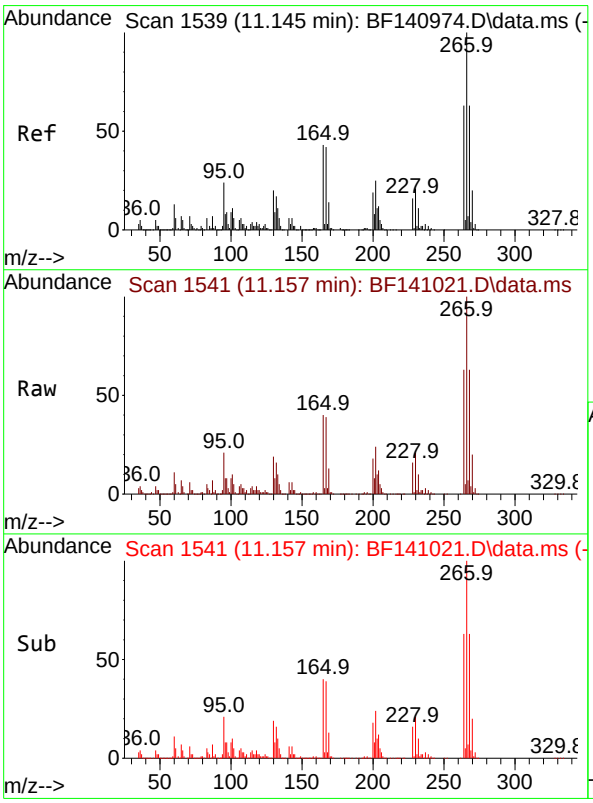
#69
Atrazine
Concen: 65.171 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:200 Resp: 522116

Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.4	46.4
215	47.2	27.2	67.2

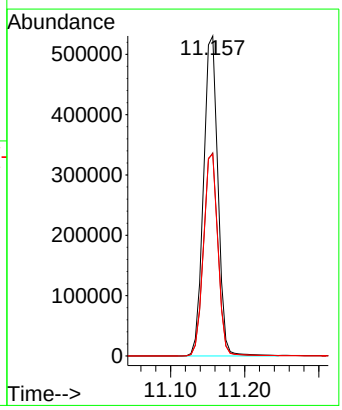


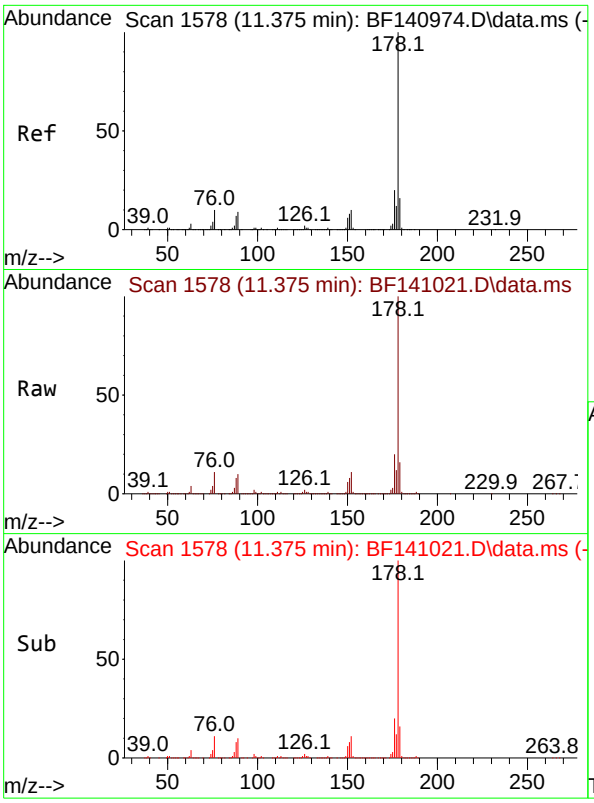


#70
Pentachlorophenol
Concen: 106.042 ng
RT: 11.157 min Scan# 1541
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:266 Resp: 716690

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.5	75.7
264	63.0	50.2	75.4



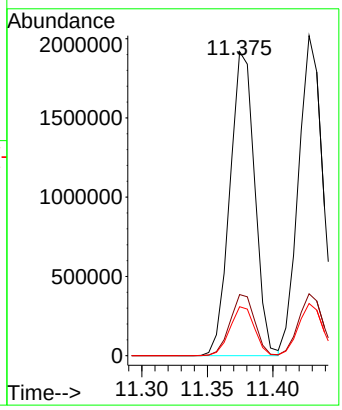


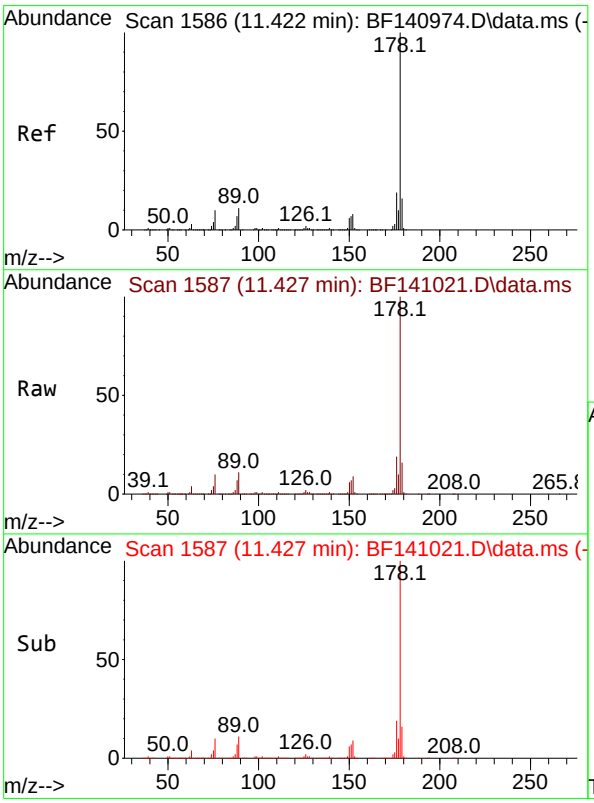
#71
Phenanthrene
Concen: 52.772 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:178 Resp: 2529378

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.6
179	16.1	12.6	19.0

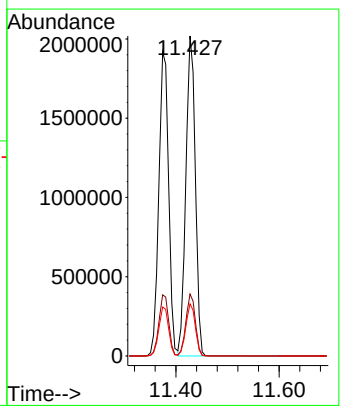


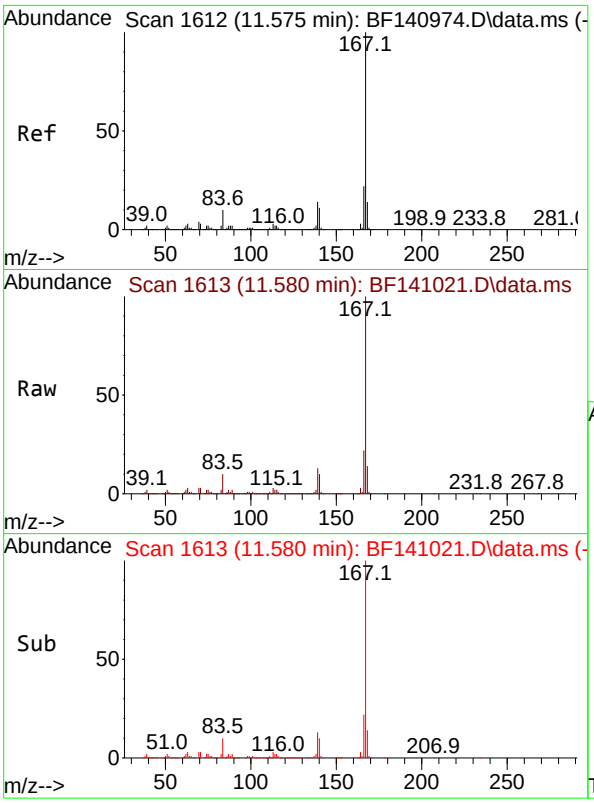


#72
Anthracene
Concen: 54.684 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:178 Resp: 2568255

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	16.3	12.9	19.3



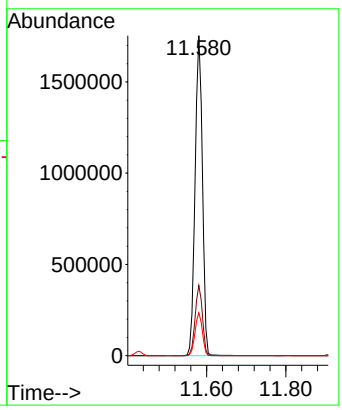


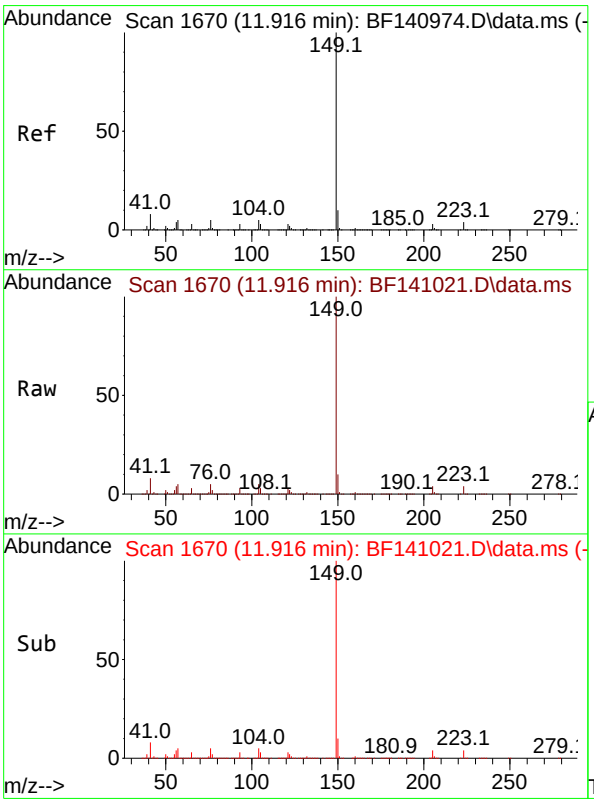
#73
Carbazole
Concen: 49.754 ng
RT: 11.580 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:167 Resp: 2246352

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.5	26.3
139	13.4	11.0	16.4

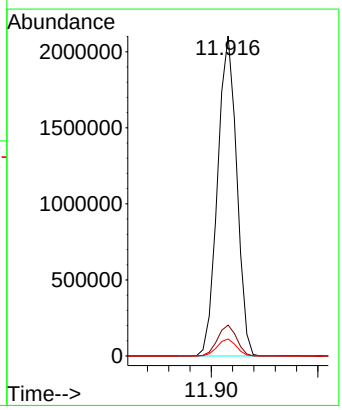


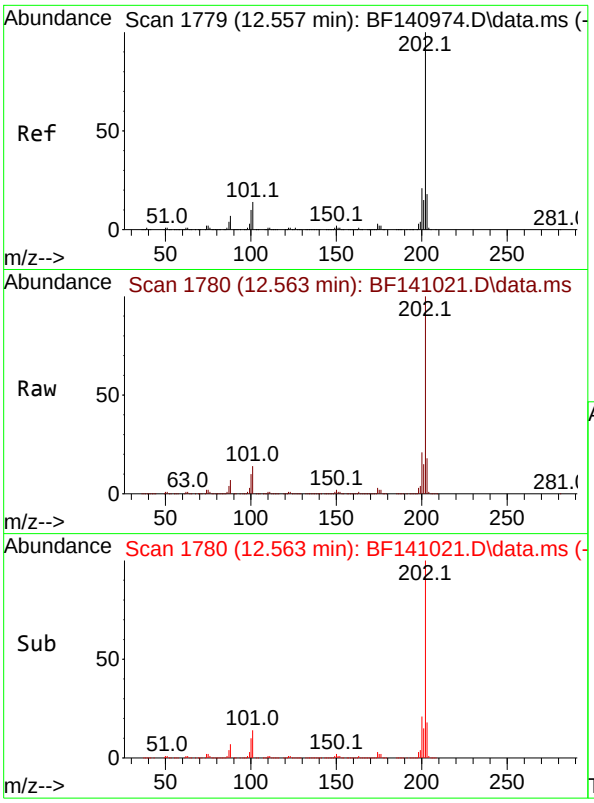


#74
Di-n-butylphthalate
Concen: 51.005 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:149 Resp: 2619214

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.3	4.1	6.1



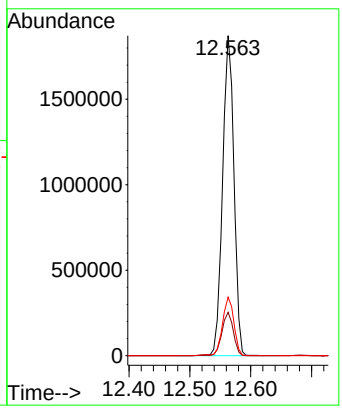


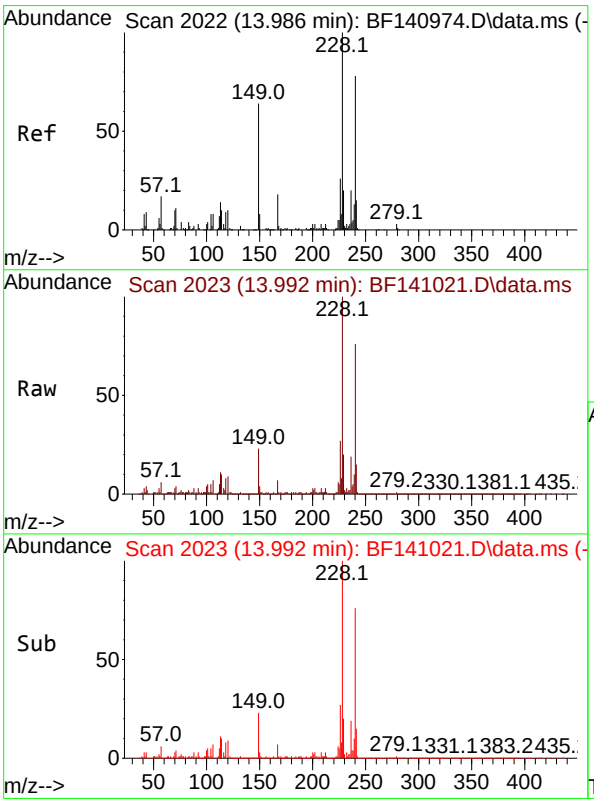
#75
Fluoranthene
Concen: 46.658 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:202 Resp: 2425427

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.7
203	18.3	0.0	38.1

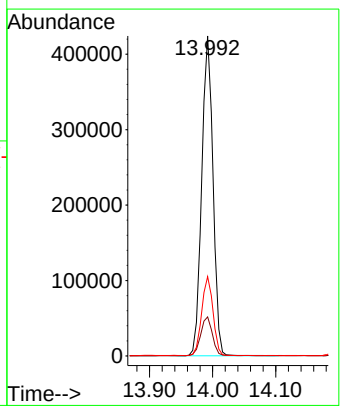


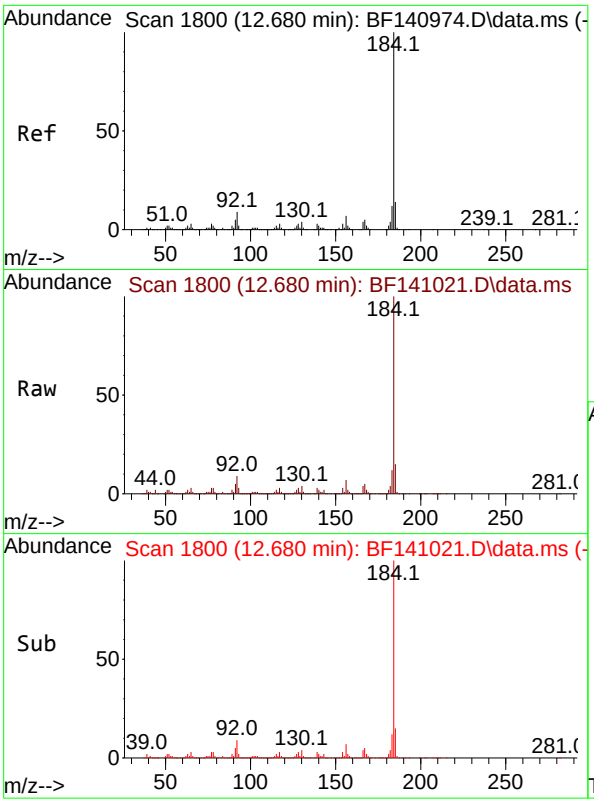


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:240 Resp: 524973

Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.7	16.1
236	24.8	20.6	31.0



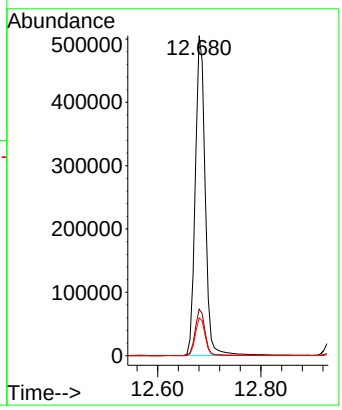


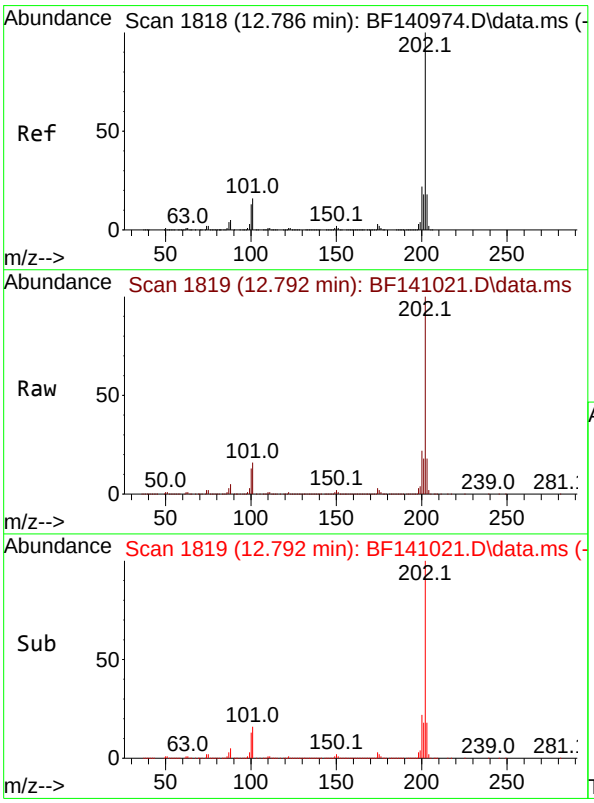
#77
Benzidine
Concen: 60.573 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:184 Resp: 672047

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.2
183	11.8	9.4	14.0

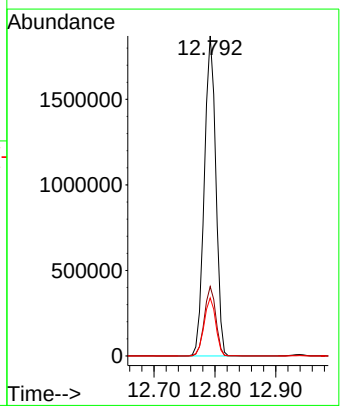


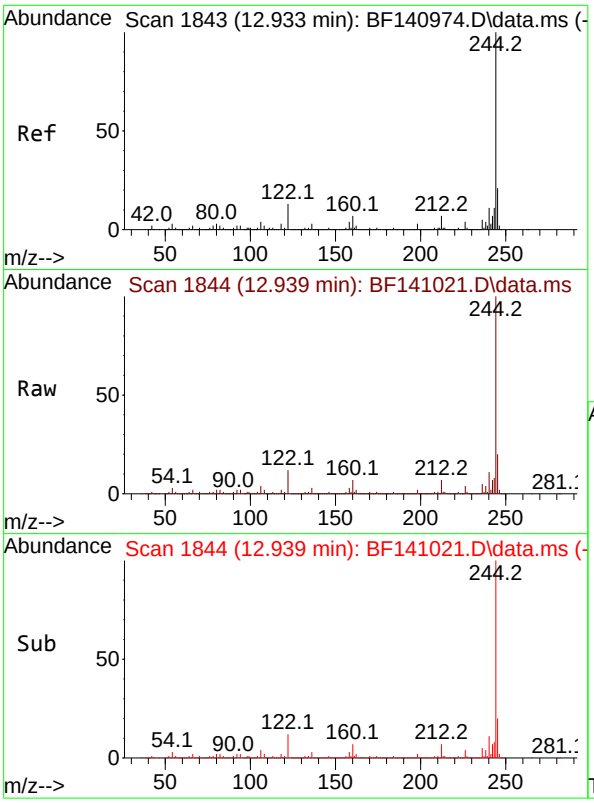


#78
Pyrene
Concen: 53.448 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:202 Resp: 2453948

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.3	25.9
203	18.1	14.6	21.8



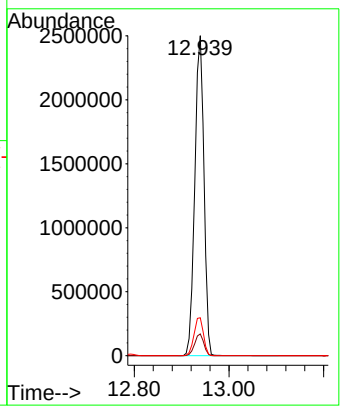


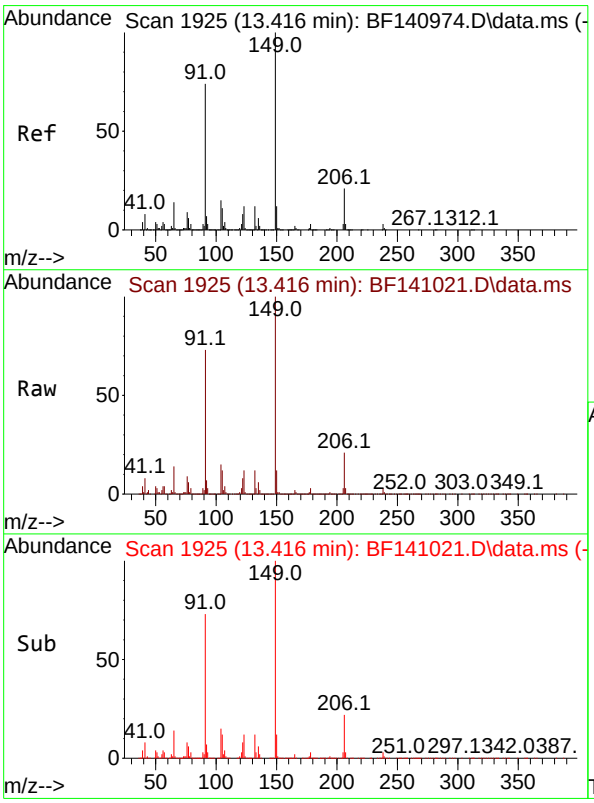
#79
Terphenyl-d14
Concen: 106.188 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:244 Resp: 3356168

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.9	10.2	15.2

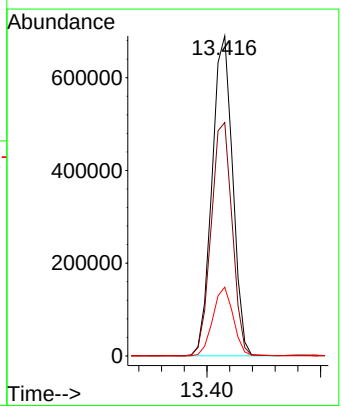


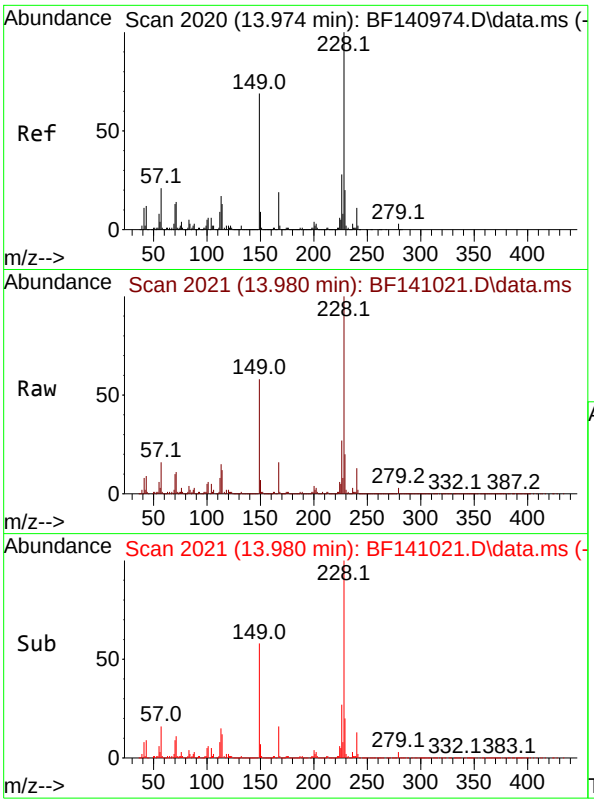


#80
Butylbenzylphthalate
Concen: 51.860 ng
RT: 13.416 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:149 Resp: 869442

Ion	Ratio	Lower	Upper
149	100		
91	72.9	59.5	89.3
206	21.5	17.1	25.7



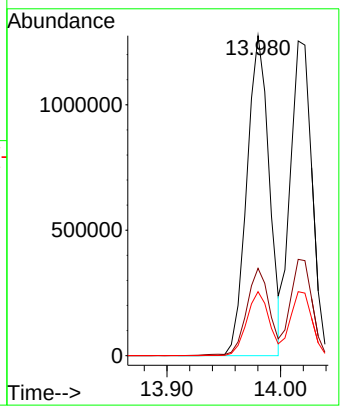


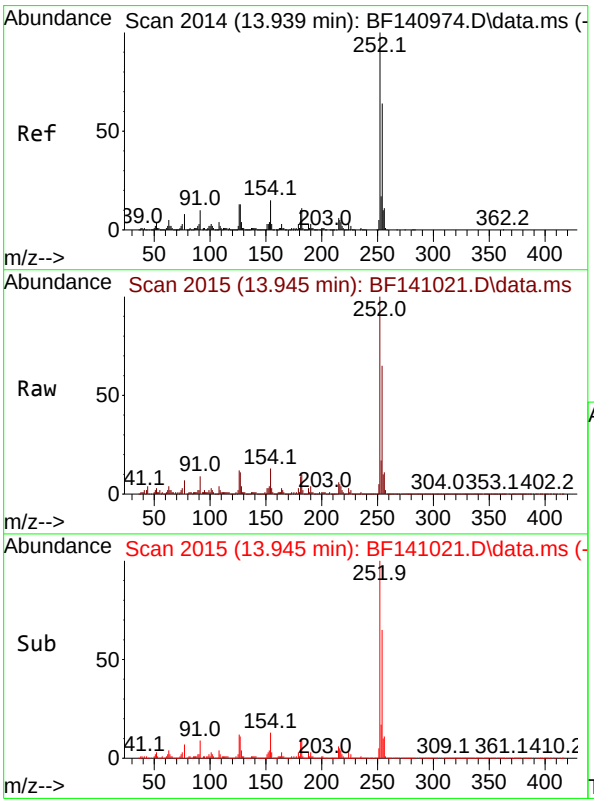
#81
Benzo(a)anthracene
Concen: 47.784 ng
RT: 13.980 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:228 Resp: 1748285

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	20.0	16.2	24.2

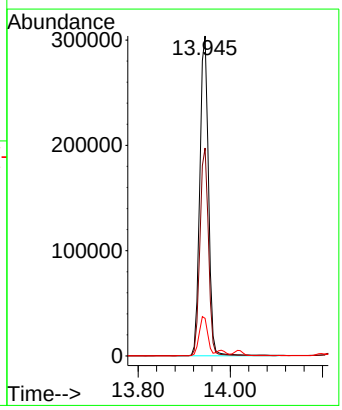


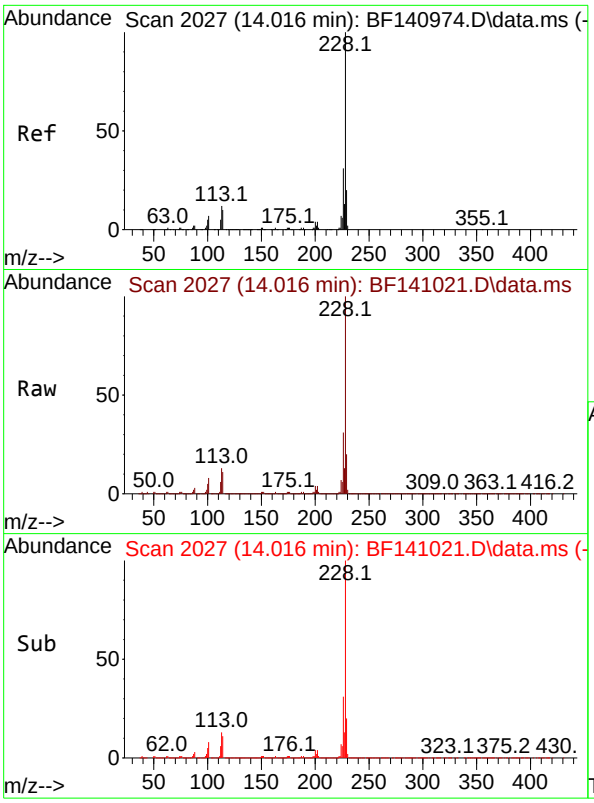


#82
3,3'-Dichlorobenzidine
Concen: 36.249 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:252 Resp: 398466

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.5	77.3
126	11.7	10.3	15.5



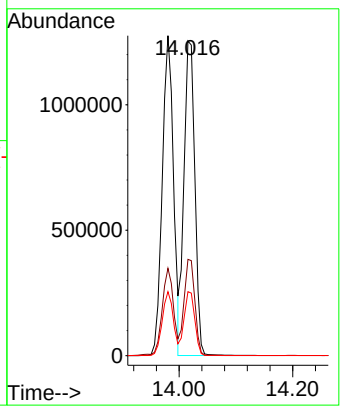


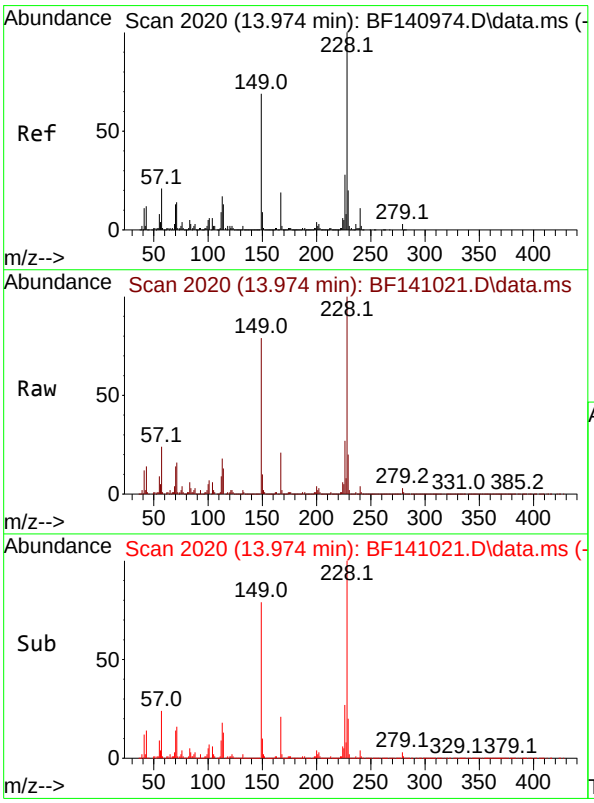
#83
Chrysene
Concen: 50.481 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:228 Resp: 1664973

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	20.4	16.2	24.4

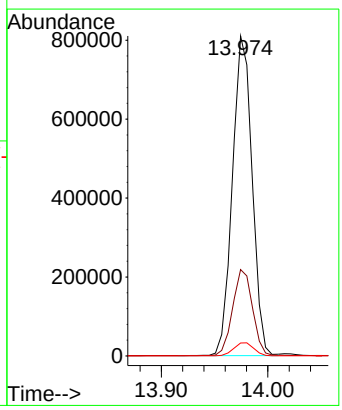


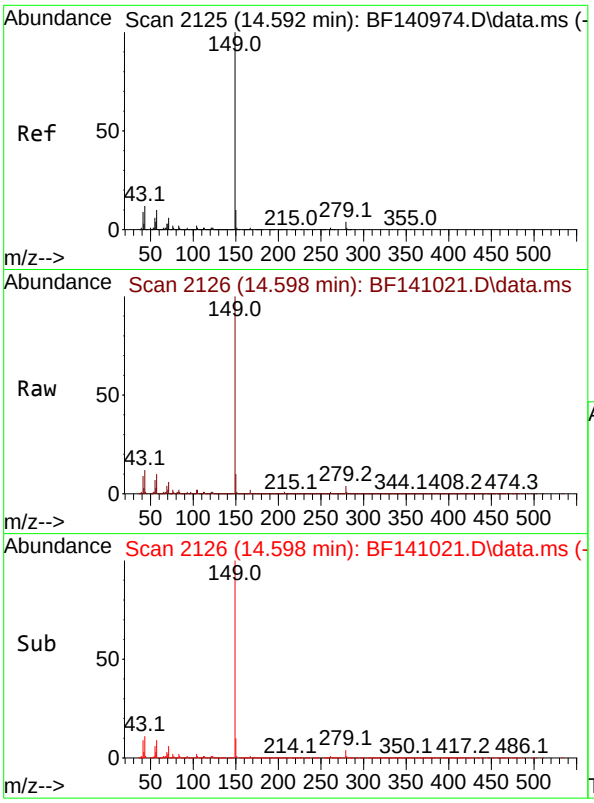


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.005 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:149 Resp: 1043963

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.6	32.4
279	4.0	3.2	4.8



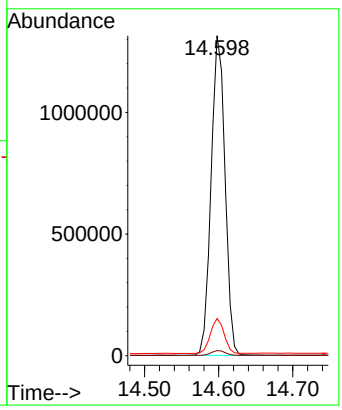


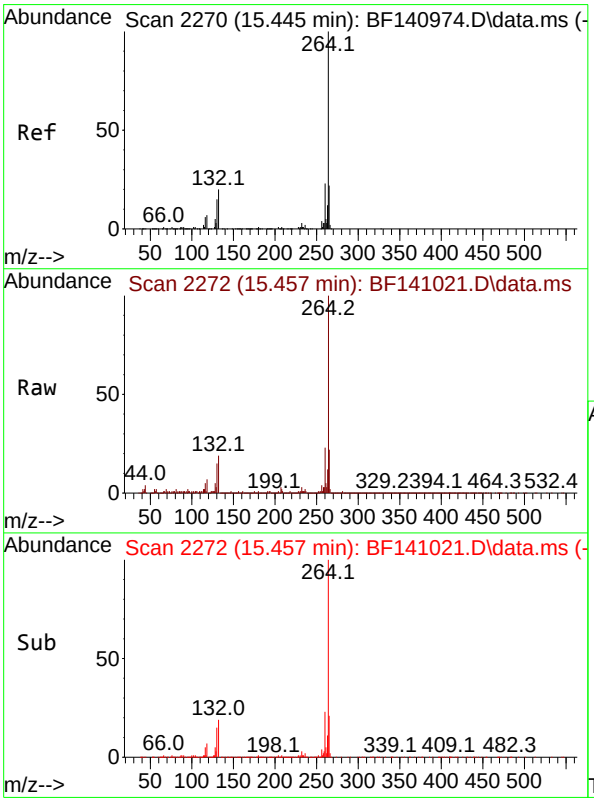
#85
Di-n-octyl phthalate
Concen: 54.375 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:149 Resp: 1711465

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.8	9.3	13.9

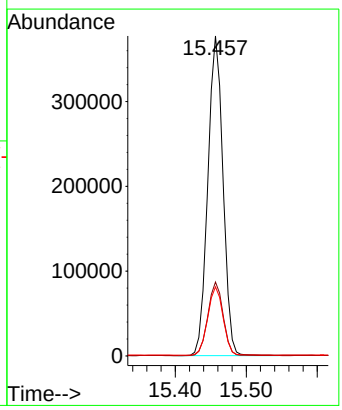


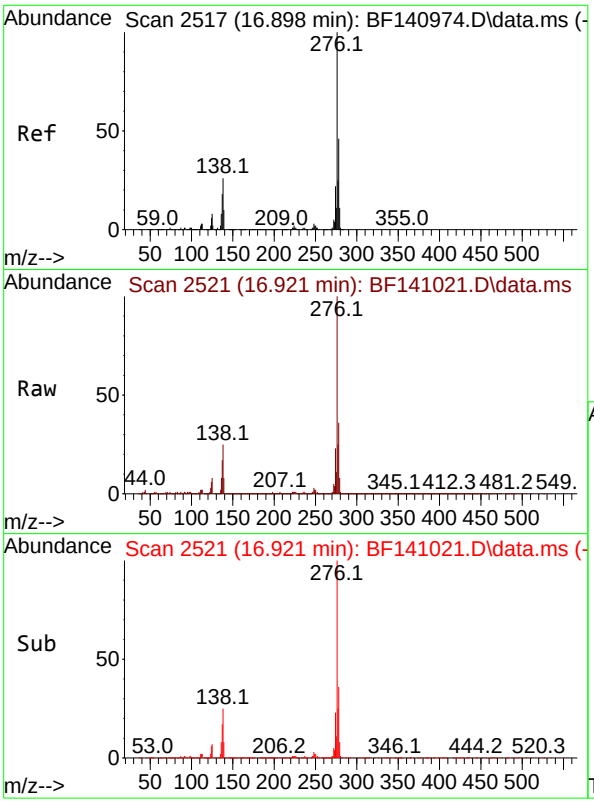


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:264 Resp: 559032

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.6	17.4	26.2



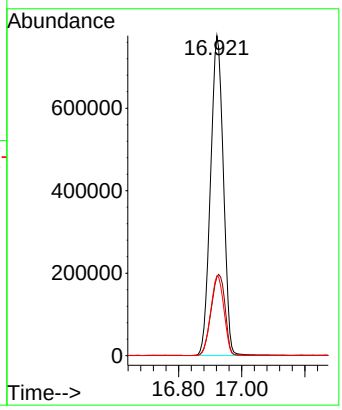


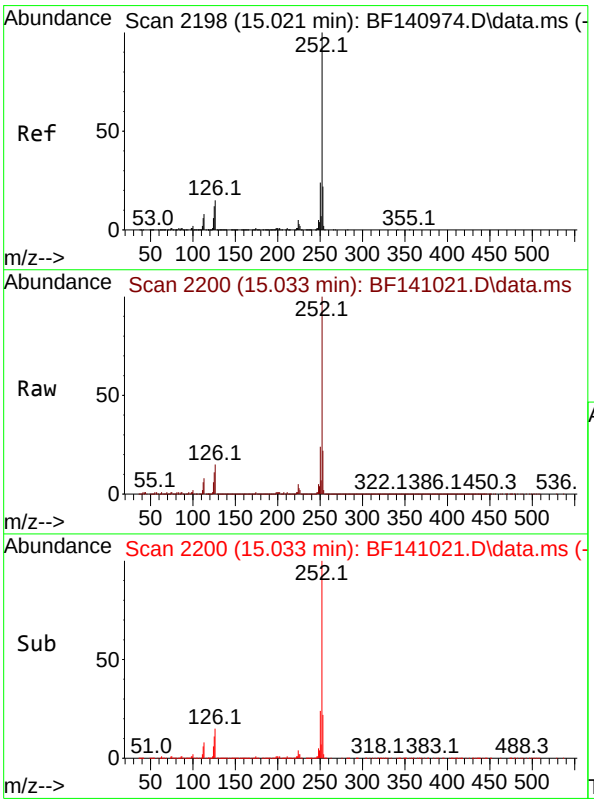
#87
Indeno(1,2,3-cd)pyrene
Concen: 62.116 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:276 Resp: 2187757

Ion	Ratio	Lower	Upper
276	100		
138	27.5	23.1	34.7
277	25.6	20.4	30.6

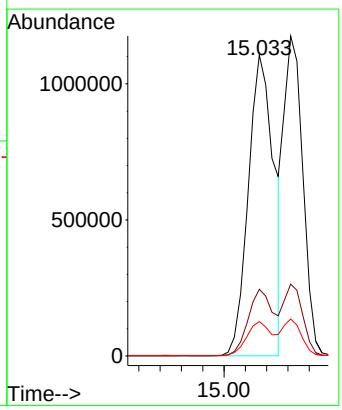


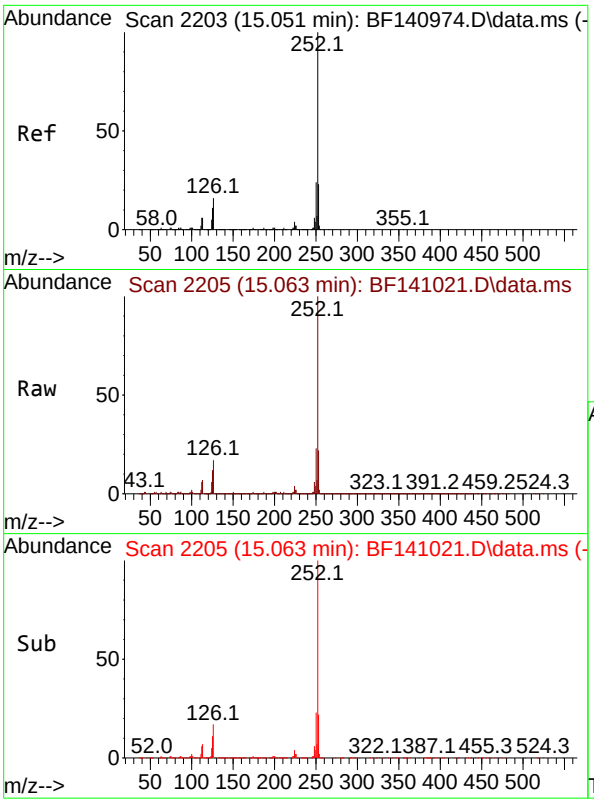


#88
Benzo(b)fluoranthene
Concen: 47.248 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:252 Resp: 1842176

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.4	9.3	13.9



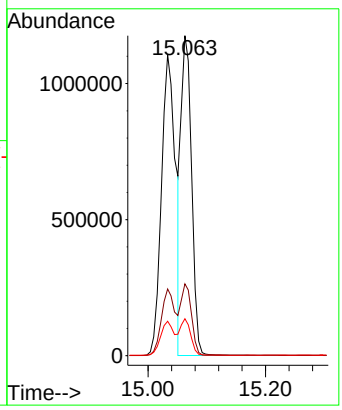


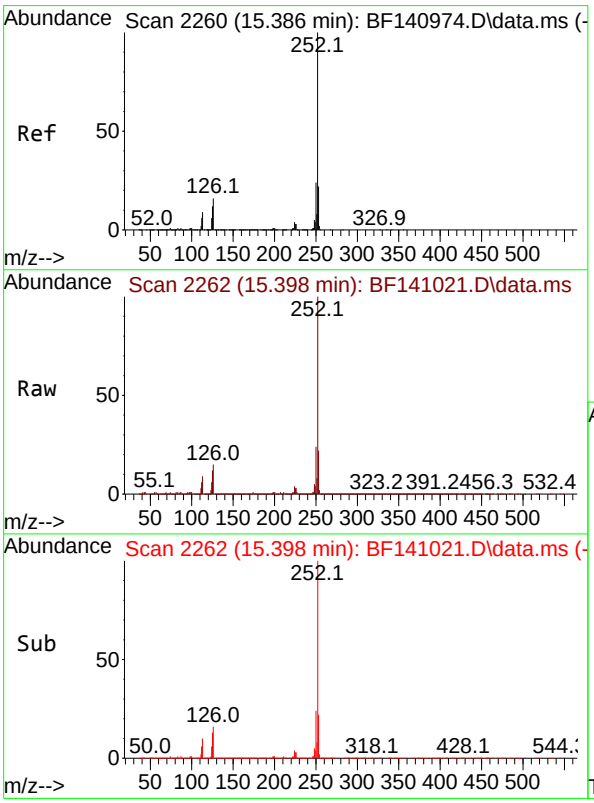
#89
Benzo(k)fluoranthene
Concen: 47.991 ng
RT: 15.063 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:252 Resp: 1466521

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	11.6	9.4	14.0

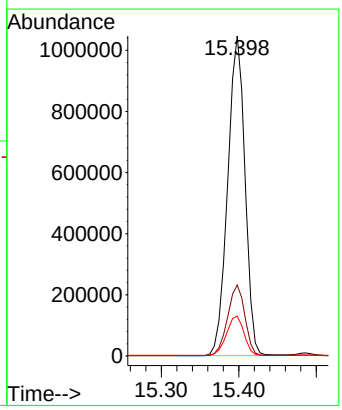


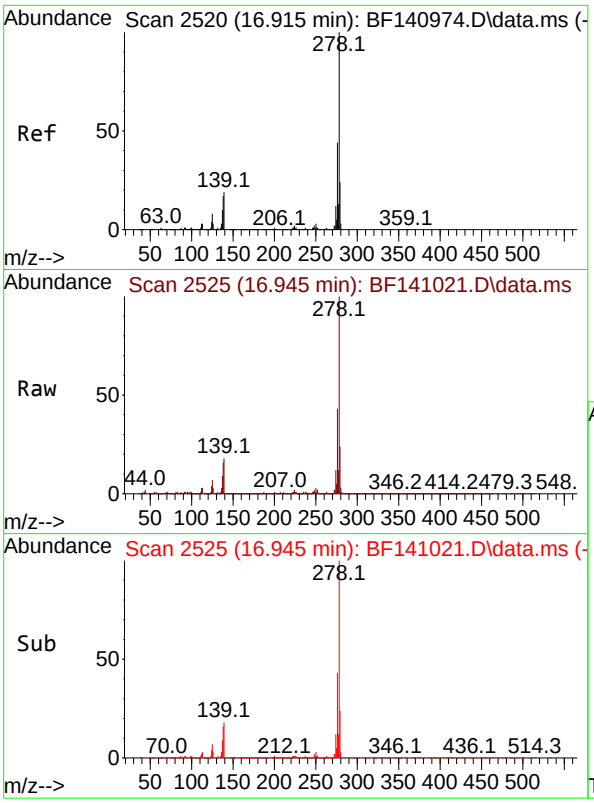


#90
Benzo(a)pyrene
Concen: 53.768 ng
RT: 15.398 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:252 Resp: 1627162

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.4	9.8	14.8



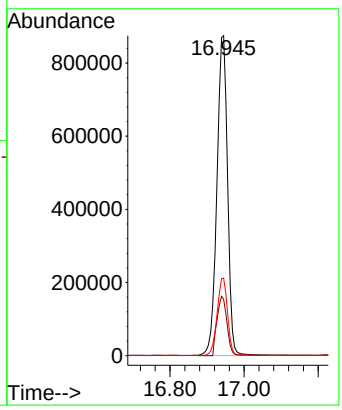


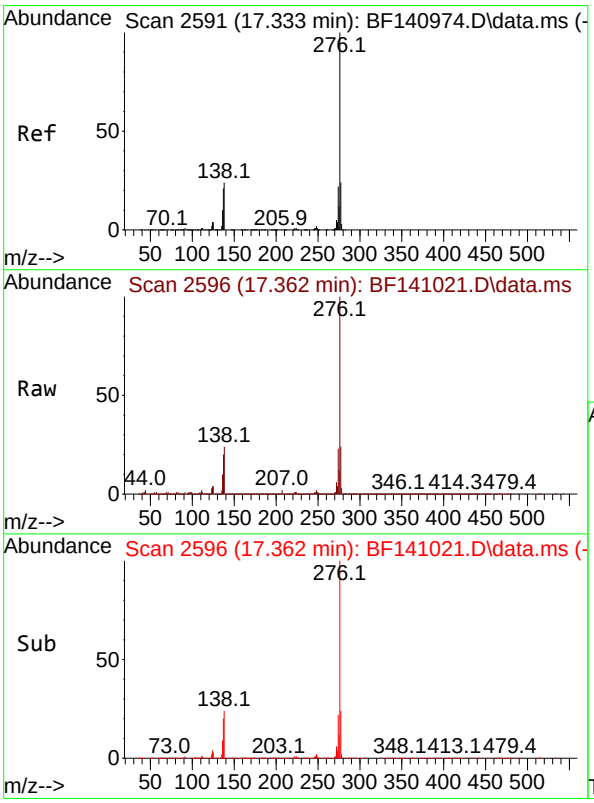
#91
Dibenzo(a,h)anthracene
Concen: 61.023 ng
RT: 16.945 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Instrument :
BNA_F
ClientSampleId :
PB165894BS

Tgt Ion:278 Resp: 1742189

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.9	22.3
279	24.3	19.0	28.6

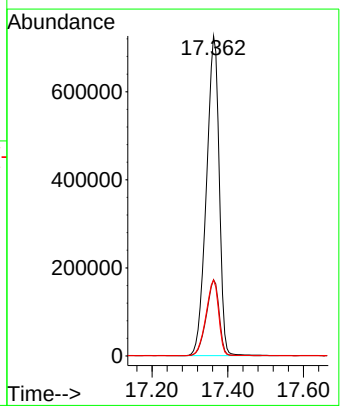




#92
Benzo(g,h,i)perylene
Concen: 57.115 ng
RT: 17.362 min Scan# 2596
Delta R.T. 0.029 min
Lab File: BF141021.D
Acq: 30 Dec 2024 10:17

Tgt Ion:276 Resp: 1691257

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	23.8	19.4	29.2



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141050.D
Acq On : 31 Dec 2024 11:23
Operator : RC/JU
Sample : P5362-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Quant Time: Dec 31 11:45:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.828	152	230352	20.000	ng		0.00
21) Naphthalene-d8	8.110	136	918976	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	496643	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	836009	20.000	ng		0.00
76) Chrysene-d12	13.986	240	393323	20.000	ng		0.00
86) Perylene-d12	15.445	264	476566	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.457	112	2262446	148.050	ng		0.02
7) Phenol-d6	6.457	99	2830397	143.777	ng		0.00
23) Nitrobenzene-d5	7.393	82	1871617	130.300	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	914930	189.587	ng		0.00
45) 2-Fluorobiphenyl	9.187	172	3229458	103.602	ng		0.00
79) Terphenyl-d14	12.933	244	2975359	125.649	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.758	88	310180	44.833	ng	#	84
3) Pyridine	3.463	79	522650	30.912	ng		99
4) n-Nitrosodimethylamine	3.399	42	408779	47.717	ng		99
6) Aniline	6.493	93	315670	17.980	ng		95
8) 2-Chlorophenol	6.616	128	877019	54.434	ng		96
9) Benzaldehyde	6.381	77	14290	Below Cal			97
10) Phenol	6.475	94	1004742	49.359	ng		99
11) bis(2-Chloroethyl)ether	6.569	93	807414	49.124	ng		98
12) 1,3-Dichlorobenzene	6.769	146	862839	48.526	ng		100
13) 1,4-Dichlorobenzene	6.846	146	876168	48.881	ng		99
14) 1,2-Dichlorobenzene	6.998	146	838846	50.193	ng		99
15) Benzyl Alcohol	6.969	79	723992	51.178	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1261181	50.739	ng		99
17) 2-Methylphenol	7.081	107	704093	52.603	ng		99
18) Hexachloroethane	7.345	117	323278	50.770	ng		99
19) n-Nitroso-di-n-propyla...	7.245	70	617566	51.207	ng		99
20) 3+4-Methylphenols	7.234	107	859164	50.723	ng	#	86
22) Acetophenone	7.240	105	1121412	49.744	ng		97
24) Nitrobenzene	7.410	77	897277	55.904	ng		97
25) Isophorone	7.651	82	1646747	52.685	ng		99
26) 2-Nitrophenol	7.728	139	448067	65.898	ng		98
27) 2,4-Dimethylphenol	7.763	122	707452	61.930	ng		100
28) bis(2-Chloroethoxy)met...	7.863	93	1008599	50.930	ng		99
29) 2,4-Dichlorophenol	7.963	162	717237	55.360	ng		99
30) 1,2,4-Trichlorobenzene	8.051	180	721653	49.213	ng		100
31) Naphthalene	8.134	128	2395909	49.477	ng		100
32) Benzoic acid	7.875	122	539358	55.871	ng		97
33) 4-Chloroaniline	8.175	127	81811	4.670	ng		99
34) Hexachlorobutadiene	8.251	225	436407	50.482	ng		100
35) Caprolactam	8.545	113	124677	28.307	ng		94
36) 4-Chloro-3-methylphenol	8.657	107	776315	53.955	ng		99
37) 2-Methylnaphthalene	8.822	142	1605935	51.840	ng		99
38) 1-Methylnaphthalene	8.922	142	1495035	49.105	ng		100
40) 1,2,4,5-Tetrachloroben...	8.987	216	711829	52.098	ng		99
41) Hexachlorocyclopentadiene	8.975	237	853450	188.489	ng		100
43) 2,4,6-Trichlorophenol	9.098	196	520399	57.227	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141050.D
Acq On : 31 Dec 2024 11:23
Operator : RC/JU
Sample : P5362-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Quant Time: Dec 31 11:45:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	529687	56.928	ng		98
46) 1,1'-Biphenyl	9.287	154	1945296	51.155	ng		100
47) 2-Chloronaphthalene	9.310	162	1484568	50.336	ng		99
48) 2-Nitroaniline	9.404	65	468373	59.476	ng		93
49) Acenaphthylene	9.728	152	2307406	54.347	ng		99
50) Dimethylphthalate	9.586	163	1802824	55.187	ng		100
51) 2,6-Dinitrotoluene	9.645	165	409385	60.426	ng		96
52) Acenaphthene	9.898	154	1728479	60.220	ng		99
53) 3-Nitroaniline	9.810	138	75559	12.985	ng	#	94
54) 2,4-Dinitrophenol	9.922	184	451441	131.272	ng	#	1
55) Dibenzofuran	10.069	168	2117754	52.501	ng		99
56) 4-Nitrophenol	9.975	139	673553	120.535	ng		95
57) 2,4-Dinitrotoluene	10.051	165	553721	66.054	ng		94
58) Fluorene	10.410	166	1590906	50.861	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	465162	60.364	ng		98
60) Diethylphthalate	10.286	149	1737471	53.874	ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	788959	52.419	ng		98
62) 4-Nitroaniline	10.428	138	337363	46.707	ng		93
63) Azobenzene	10.563	77	1728825	51.072	ng		99
65) 4,6-Dinitro-2-methylph...	10.457	198	301414	82.168	ng		93
66) n-Nitrosodiphenylamine	10.522	169	1393151	52.920	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	527647	58.385	ng		99
68) Hexachlorobenzene	10.957	284	567260	56.924	ng		100
69) Atrazine	11.045	200	298407	40.574	ng		99
70) Pentachlorophenol	11.151	266	722306	116.419	ng		100
71) Phenanthrene	11.375	178	2365531	53.762	ng		100
72) Anthracene	11.428	178	2382942	55.270	ng		100
73) Carbazole	11.575	167	2027569	48.920	ng		100
74) Di-n-butylphthalate	11.910	149	2576813	54.661	ng		100
75) Fluoranthene	12.563	202	2256974	47.295	ng		98
77) Benzidine	12.680	184	57535	6.922	ng	#	93
78) Pyrene	12.786	202	2203962	64.070	ng		100
80) Butylbenzylphthalate	13.410	149	823945	65.596	ng		100
81) Benzo(a)anthracene	13.974	228	1381591	50.400	ng		100
82) 3,3'-Dichlorobenzidine	13.939	252	96417	11.707	ng		98
83) Chrysene	14.010	228	1341215	54.275	ng		99
84) Bis(2-ethylhexyl)phtha...	13.974	149	918706	56.385	ng		99
85) Di-n-octyl phthalate	14.592	149	1421857	60.294	ng		98
87) Indeno(1,2,3-cd)pyrene	16.910	276	2041908	68.008	ng		98
88) Benzo(b)fluoranthene	15.027	252	1533522	46.138	ng		99
89) Benzo(k)fluoranthene	15.057	252	1392896	53.469	ng		99
90) Benzo(a)pyrene	15.386	252	1474947	57.172	ng		99
91) Dibenzo(a,h)anthracene	16.927	278	1657060	68.084	ng		99
92) Benzo(g,h,i)perylene	17.345	276	1553299	61.533	ng		99

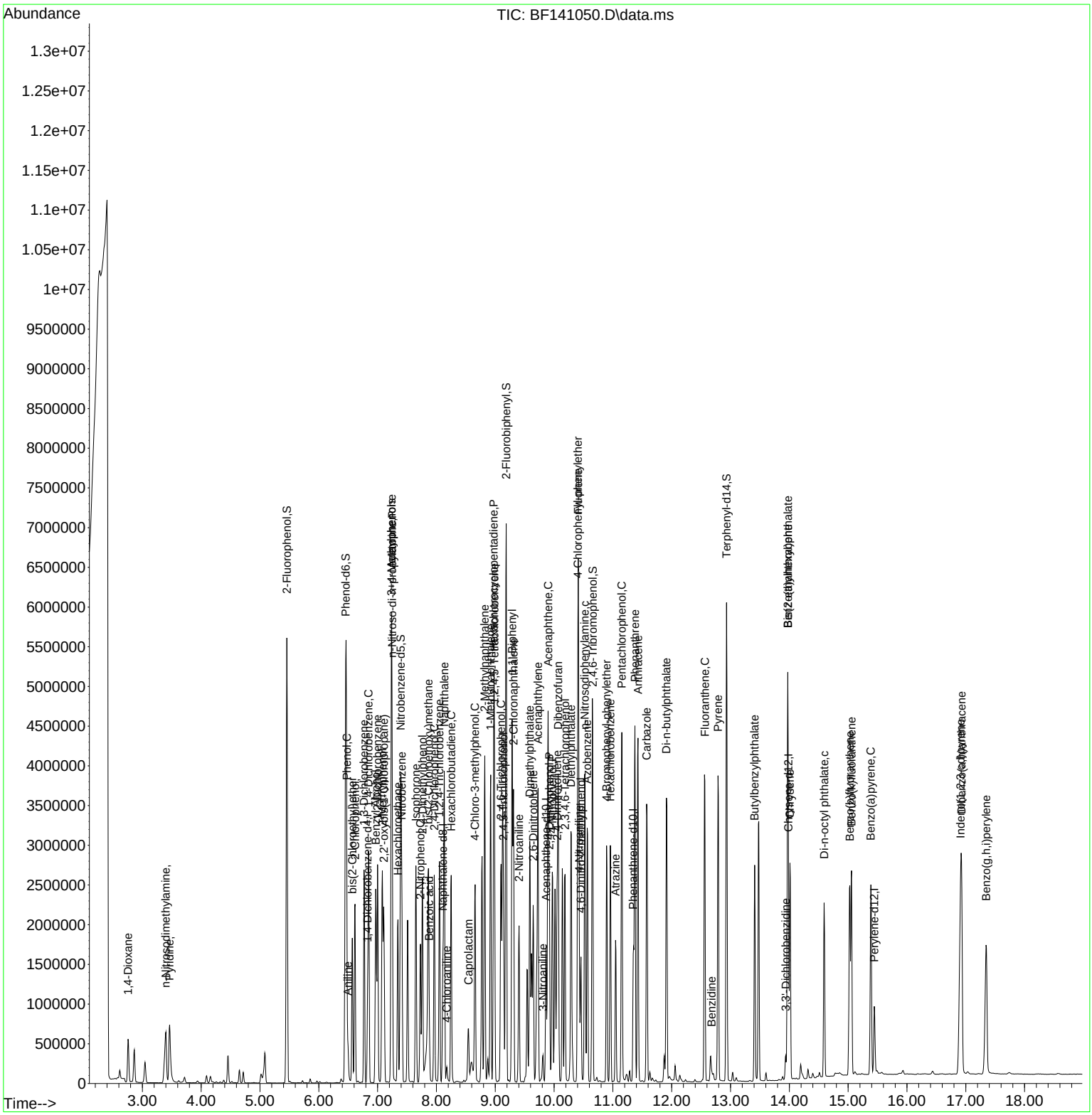
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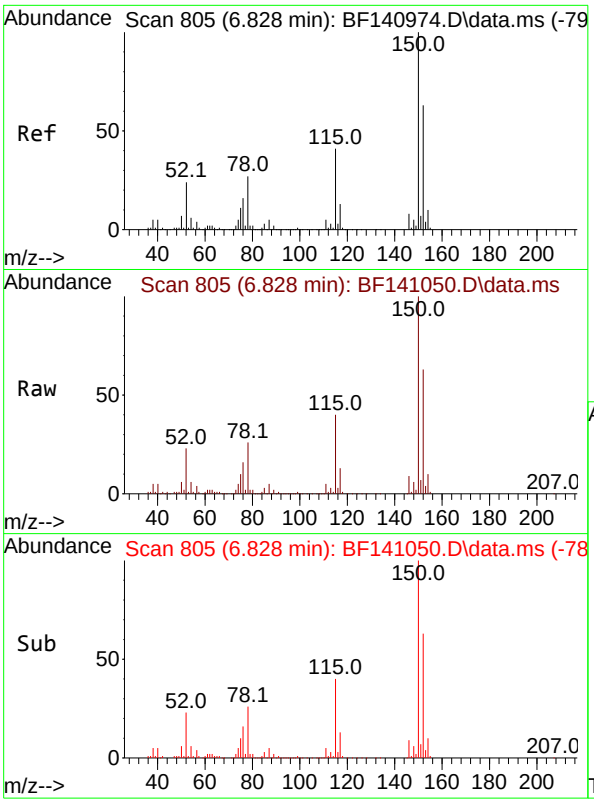
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141050.D
Acq On : 31 Dec 2024 11:23
Operator : RC/JU
Sample : P5362-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Quant Time: Dec 31 11:45:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



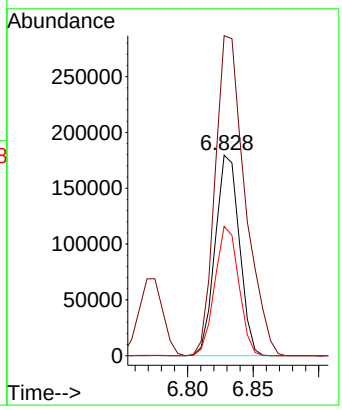


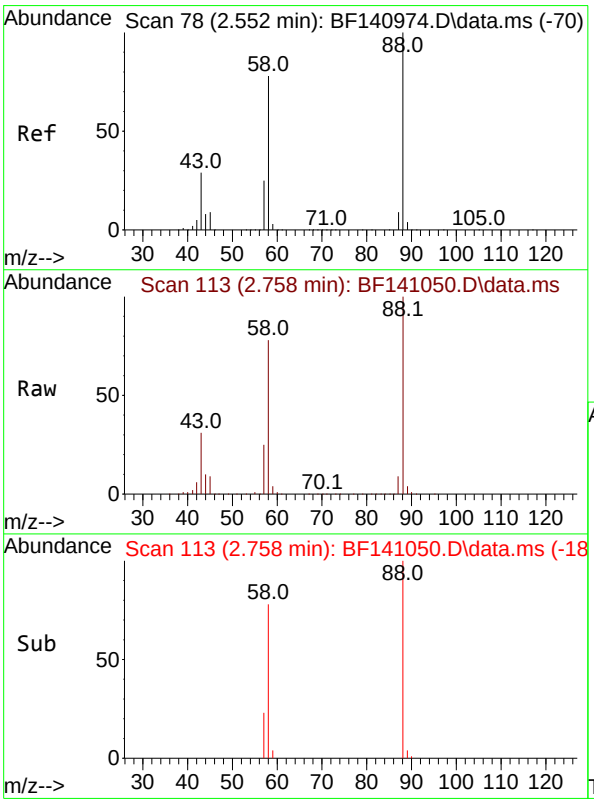
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:152 Resp: 230352

Ion	Ratio	Lower	Upper
152	100		
150	159.6	127.0	190.6
115	64.5	51.7	77.5

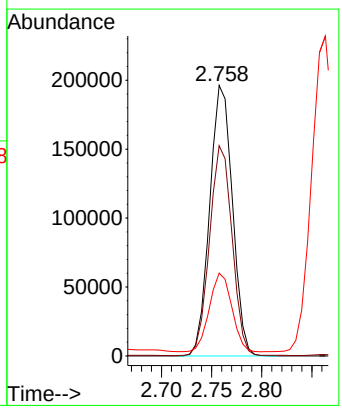


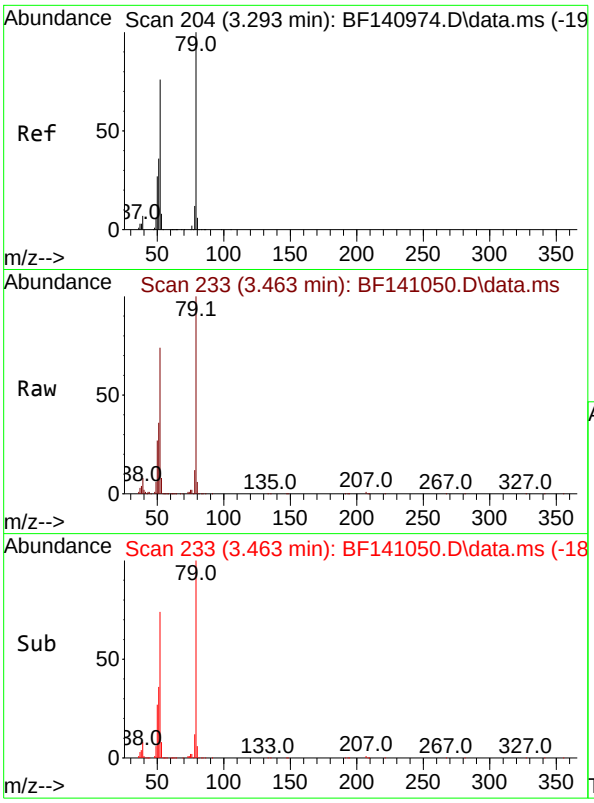


#2
1,4-Dioxane
Concen: 44.833 ng
RT: 2.758 min Scan# 113
Delta R.T. 0.206 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 88 Resp: 310180

Ion	Ratio	Lower	Upper
88	100		
58	76.9	63.0	94.4
43	0.0	23.4	35.2#



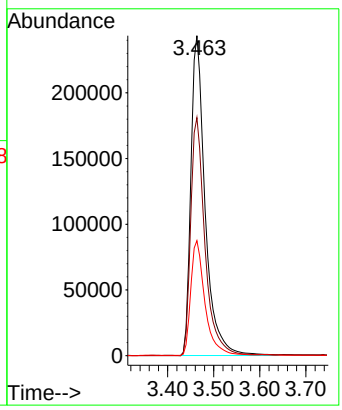


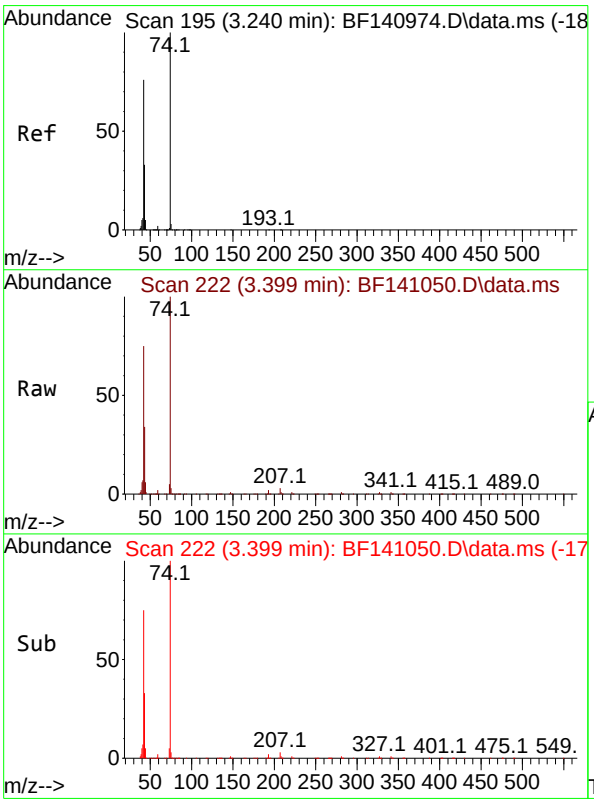
#3
Pyridine
Concen: 30.912 ng
RT: 3.463 min Scan# 2
Delta R.T. 0.171 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 79 Resp: 522650

Ion	Ratio	Lower	Upper
79	100		
52	74.4	60.4	90.6
51	35.9	28.8	43.2

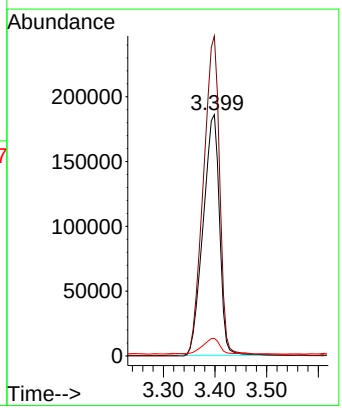


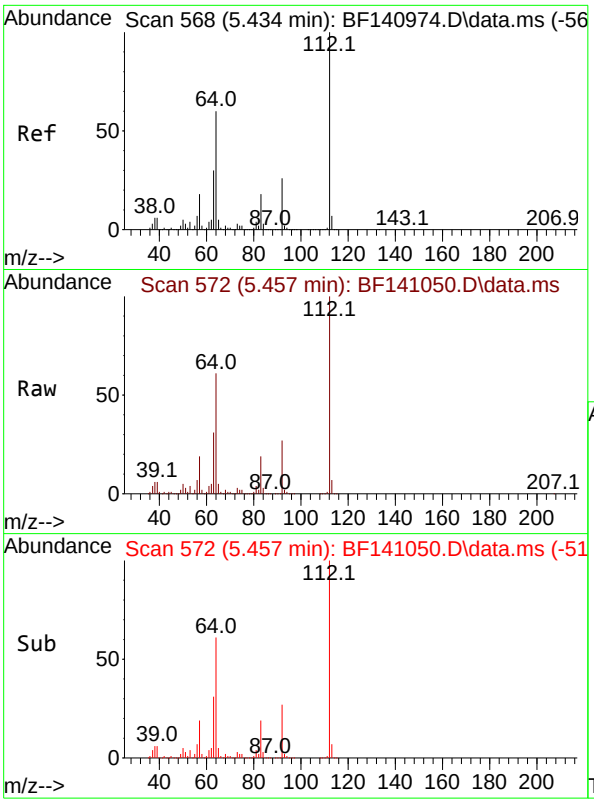


#4
n-Nitrosodimethylamine
Concen: 47.717 ng
RT: 3.399 min Scan# 222
Delta R.T. 0.159 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 42 Resp: 408779

Ion	Ratio	Lower	Upper
42	100		
74	132.7	105.8	158.6
44	7.3	6.6	10.0



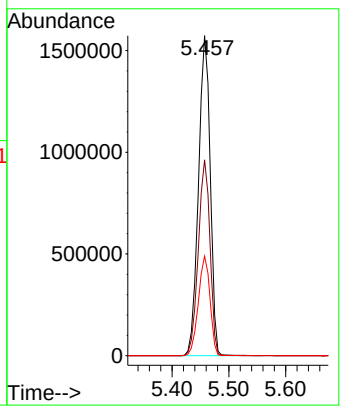


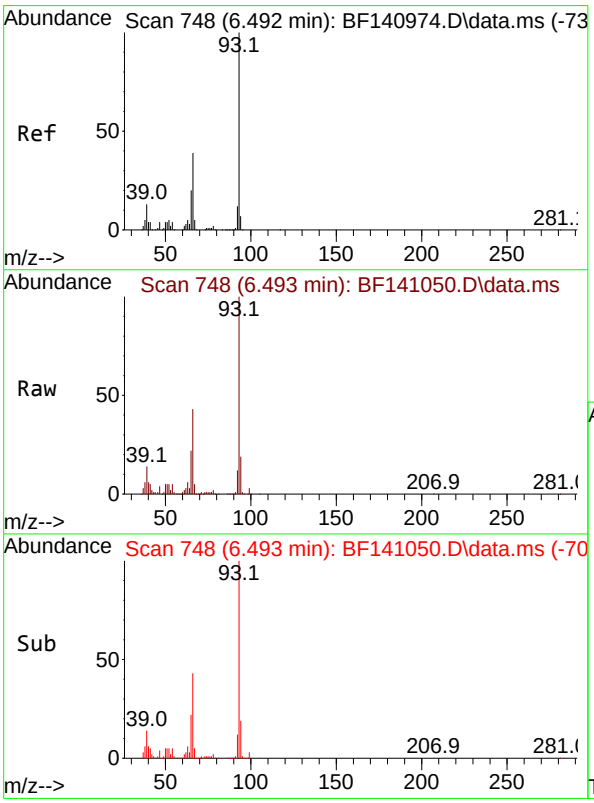
#5
2-Fluorophenol
Concen: 148.050 ng
RT: 5.457 min Scan# 5
Delta R.T. 0.024 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:112 Resp: 2262446

Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.7	71.5
63	31.1	24.2	36.2

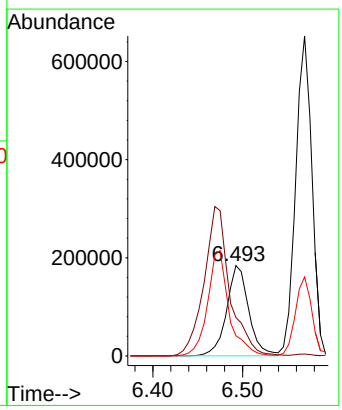


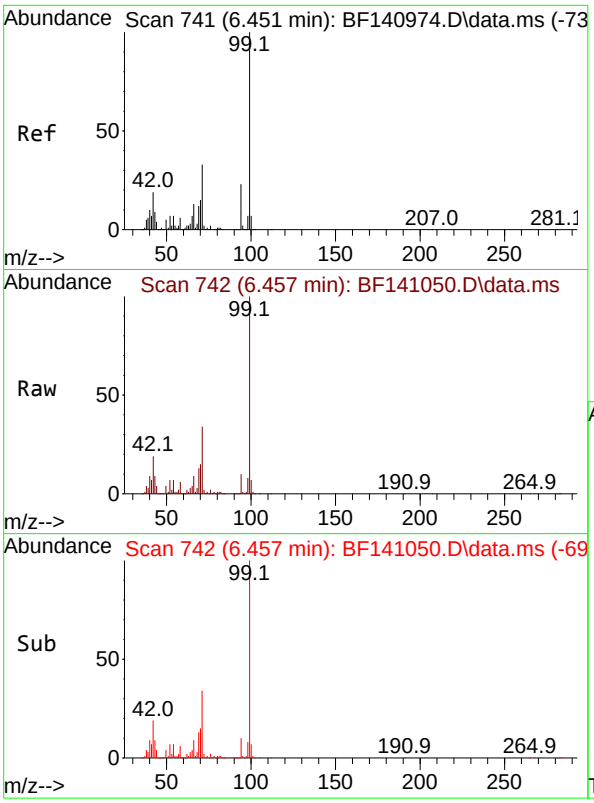


#6
Aniline
Concen: 17.980 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 93 Resp: 315670

Ion	Ratio	Lower	Upper
93	100		
66	42.5	31.8	47.8
65	22.3	15.4	23.0



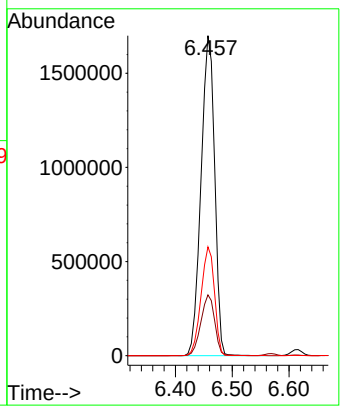


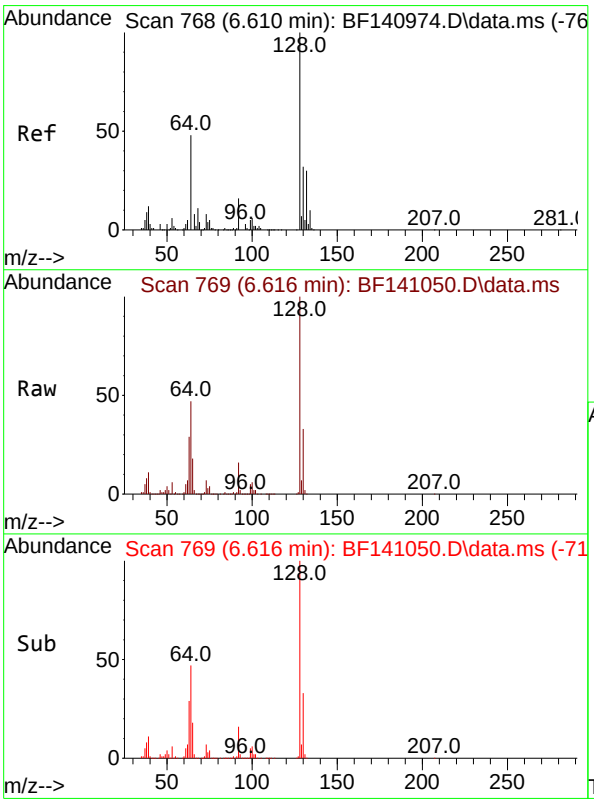
#7
Phenol-d6
Concen: 143.777 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 99 Resp: 2830397

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.0	22.4
71	34.0	26.2	39.2

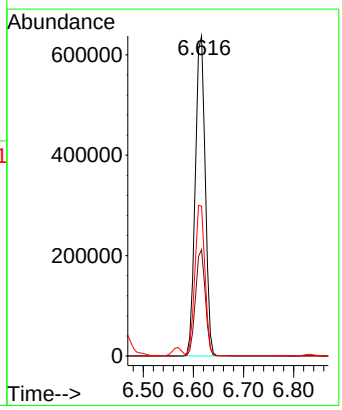


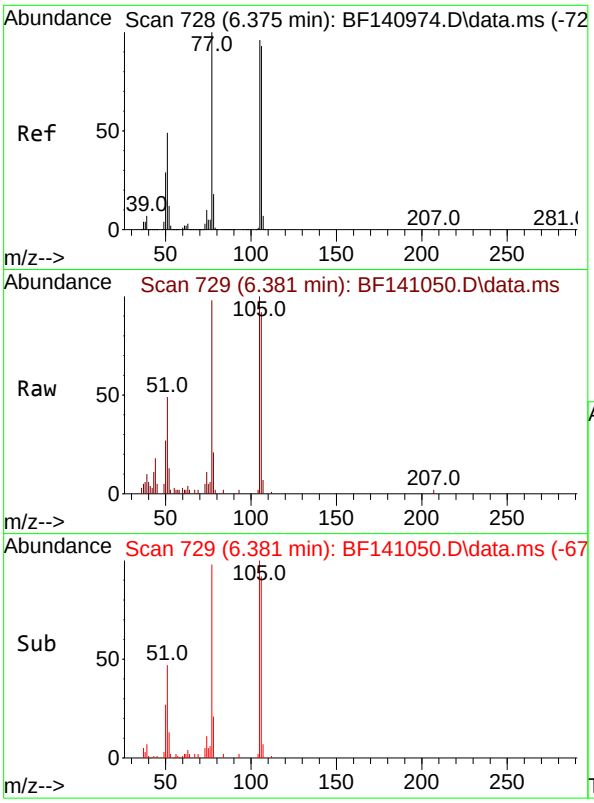


#8
2-Chlorophenol
Concen: 54.434 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:128 Resp: 877019

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.2	52.2
64	46.8	30.3	70.3



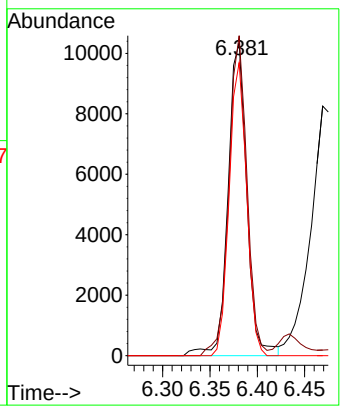


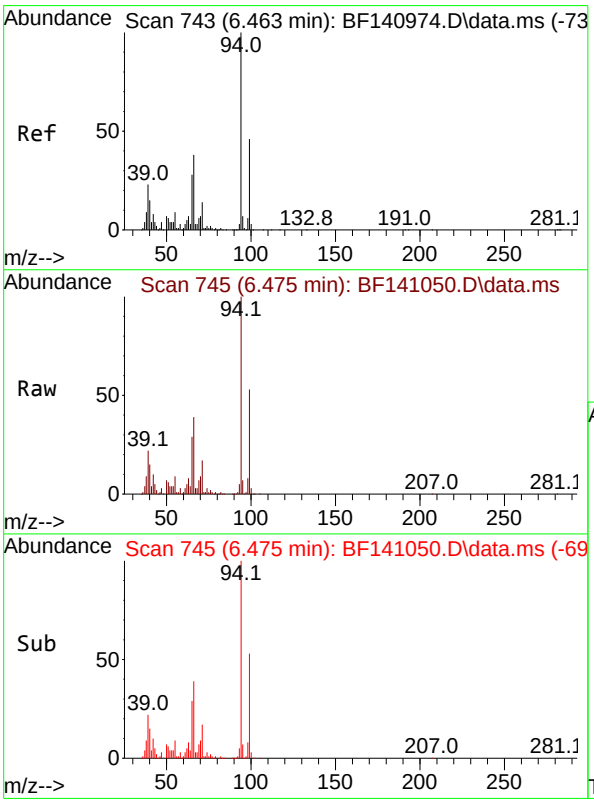
#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 77 Resp: 14290

Ion	Ratio	Lower	Upper
77	100		
105	102.2	76.2	116.2
106	93.6	73.4	113.4

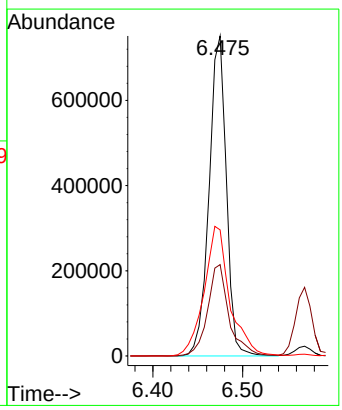


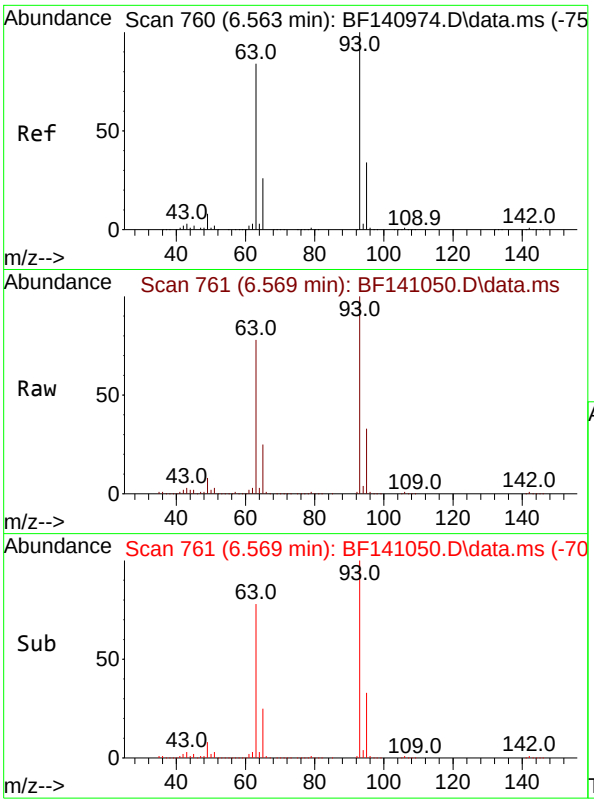


#10
Phenol
Concen: 49.359 ng
RT: 6.475 min Scan# 745
Delta R.T. 0.012 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 94 Resp: 1004742

Ion	Ratio	Lower	Upper
94	100		
65	28.6	8.1	48.1
66	39.4	18.7	58.7



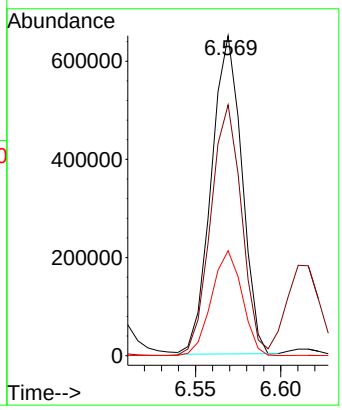


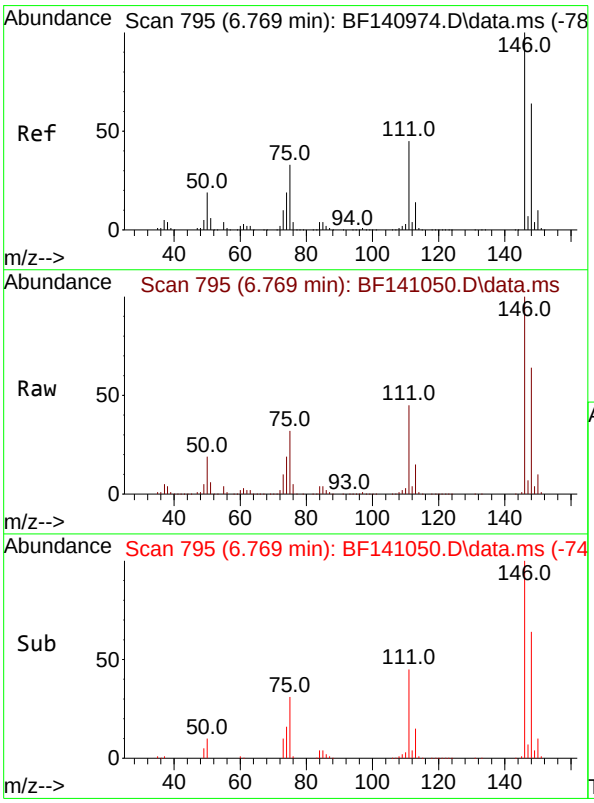
#11
bis(2-Chloroethyl)ether
Concen: 49.124 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 93 Resp: 807414

Ion	Ratio	Lower	Upper
93	100		
63	78.4	60.3	100.3
95	32.8	12.2	52.2

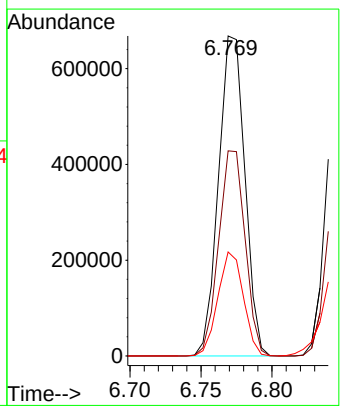


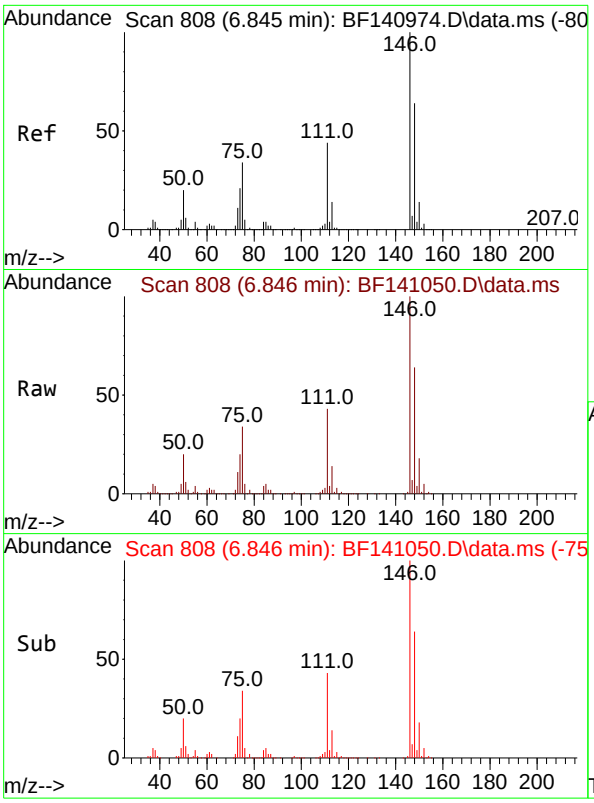


#12
1,3-Dichlorobenzene
Concen: 48.526 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:146 Resp: 862839

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.4
75	32.5	26.1	39.1



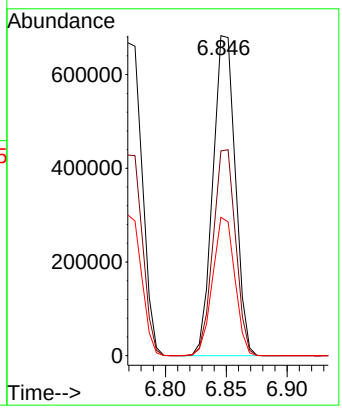


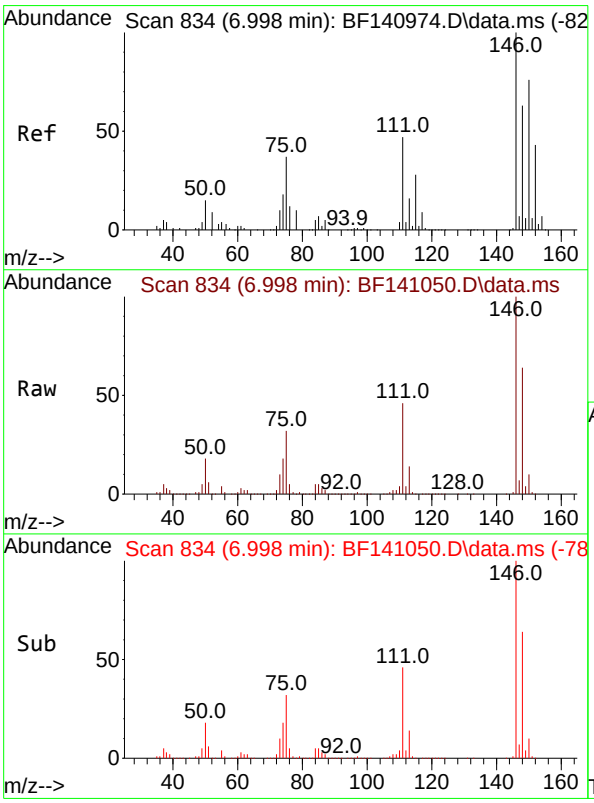
#13
1,4-Dichlorobenzene
Concen: 48.881 ng
RT: 6.846 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:146 Resp: 876168

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.3	76.9
111	43.3	35.3	52.9

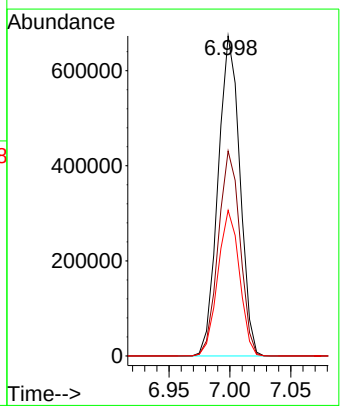


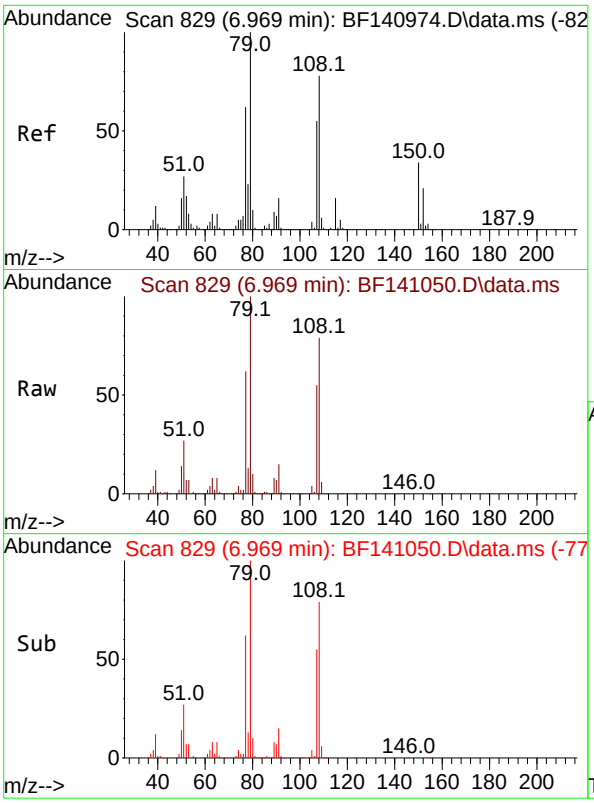


#14
1,2-Dichlorobenzene
Concen: 50.193 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:146 Resp: 838846

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	76.0
111	45.5	37.3	55.9



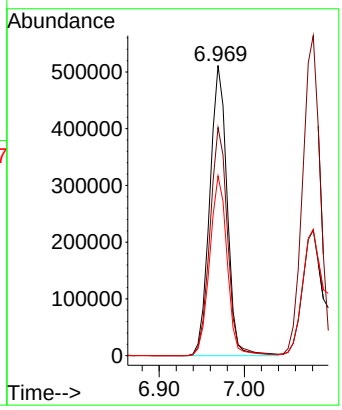


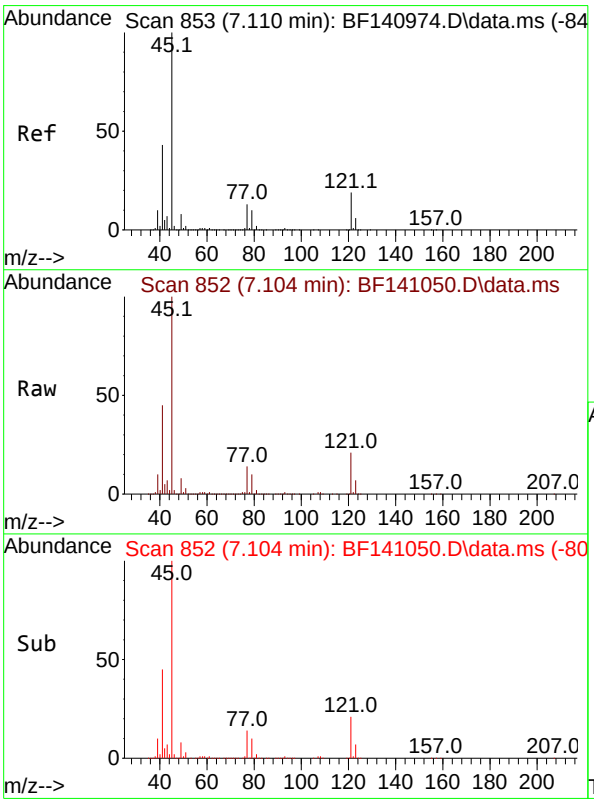
#15
Benzyl Alcohol
Concen: 51.178 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 79 Resp: 723992

Ion	Ratio	Lower	Upper
79	100		
108	78.6	62.5	93.7
77	62.0	49.3	73.9

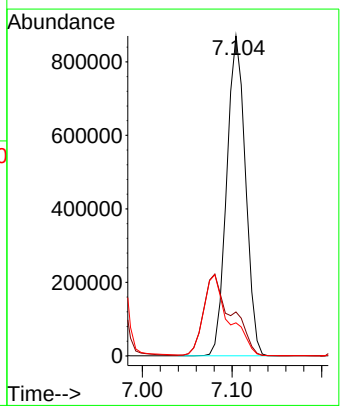


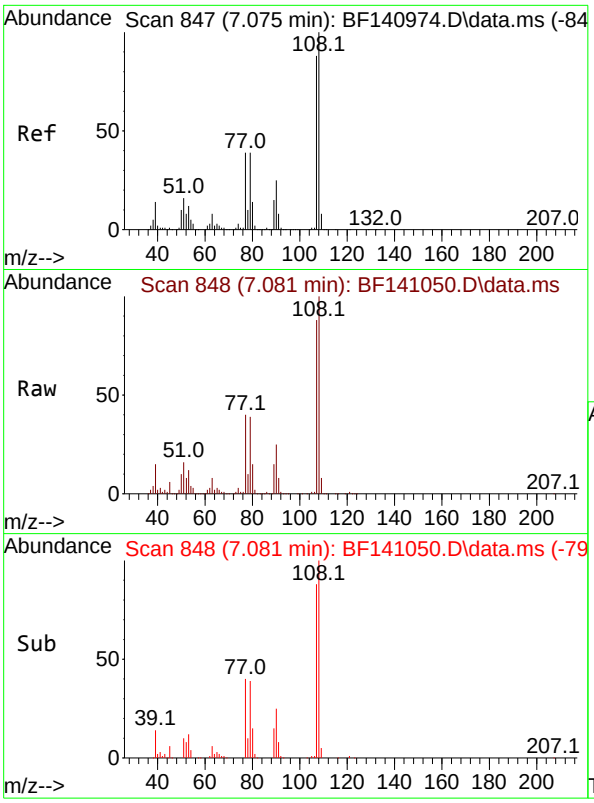


#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.739 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 45 Resp: 1261181

Ion	Ratio	Lower	Upper
45	100		
77	13.7	0.0	33.1
79	10.4	0.0	30.1



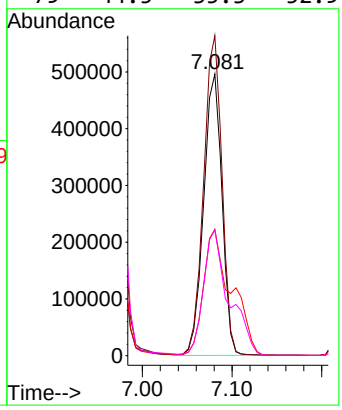


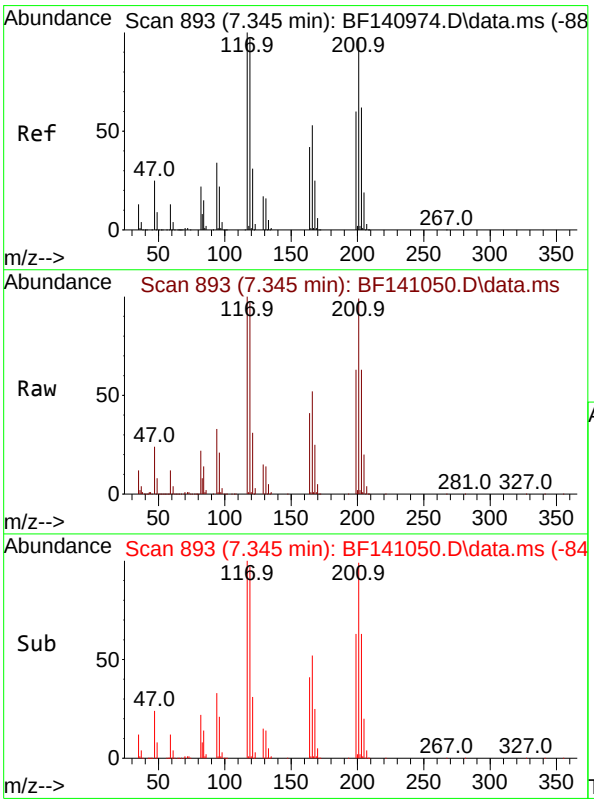
#17
2-Methylphenol
Concen: 52.603 ng
RT: 7.081 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:107 Resp: 704093

Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.6	136.0
77	44.9	35.3	52.9
79	44.5	35.3	52.9

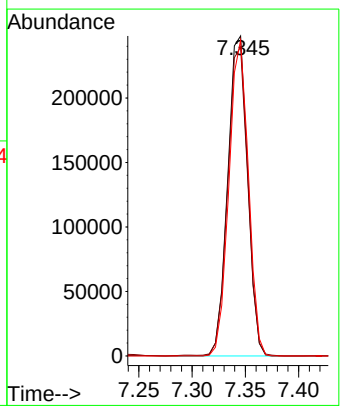


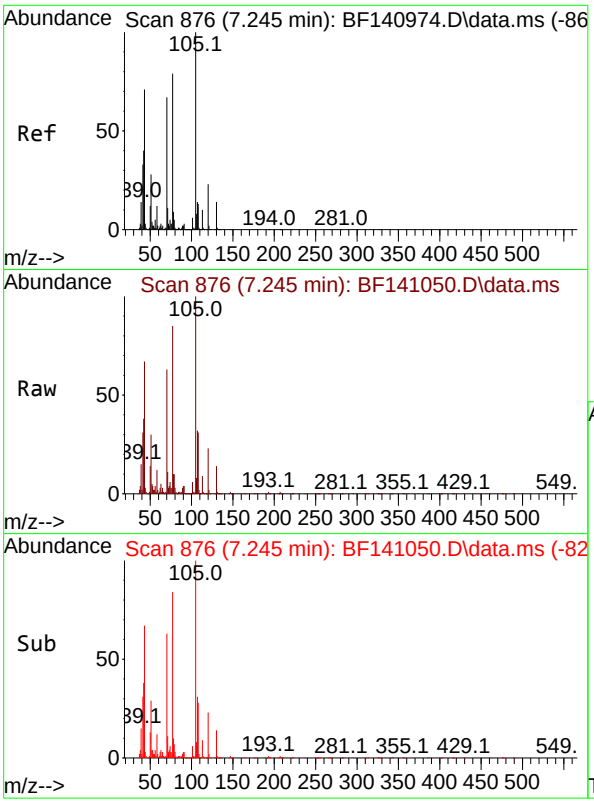


#18
Hexachloroethane
Concen: 50.770 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:117 Resp: 323278

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.5	116.3
201	98.7	77.4	116.2



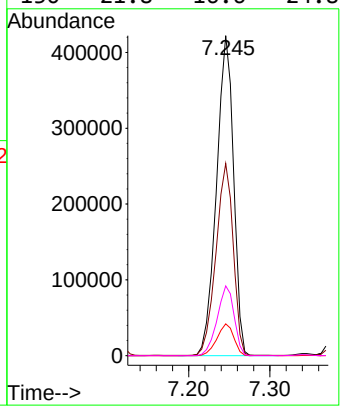


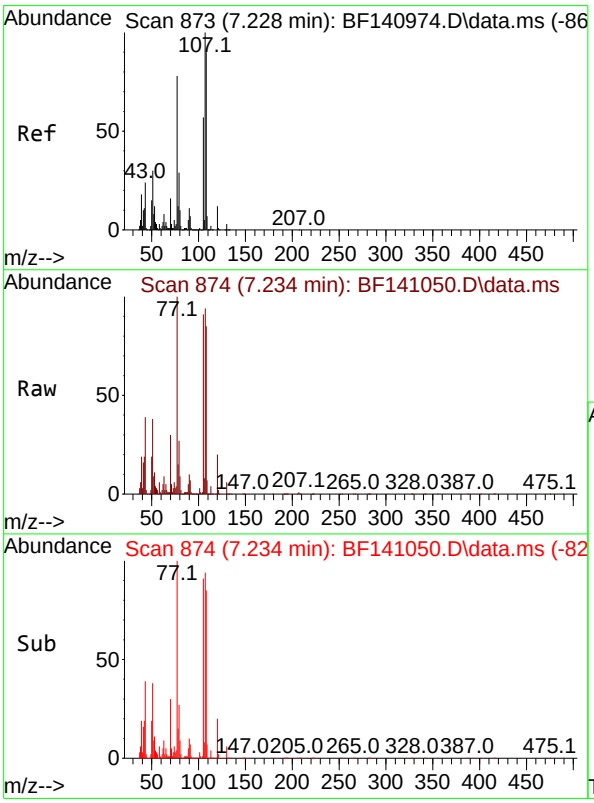
#19
n-Nitroso-di-n-propylamine
Concen: 51.207 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 70 Resp: 617566

Ion	Ratio	Lower	Upper
70	100		
42	60.0	48.1	72.1
101	10.0	7.6	11.4
130	21.8	16.6	24.8

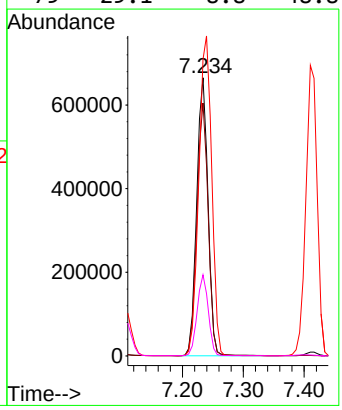


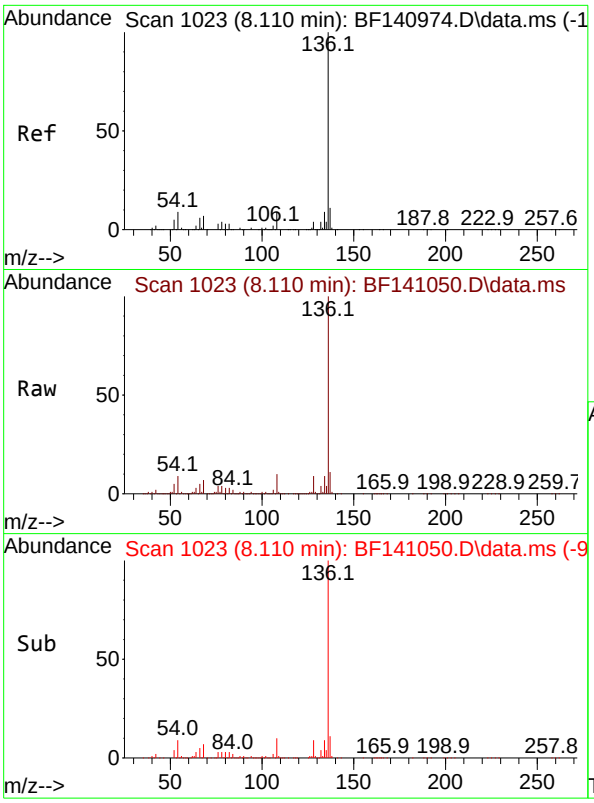


#20
3+4-Methylphenols
Concen: 50.723 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:107 Resp: 859164

Ion	Ratio	Lower	Upper
107	100		
108	91.0	69.6	109.6
77	106.6	57.6	97.6#
79	29.1	8.8	48.8



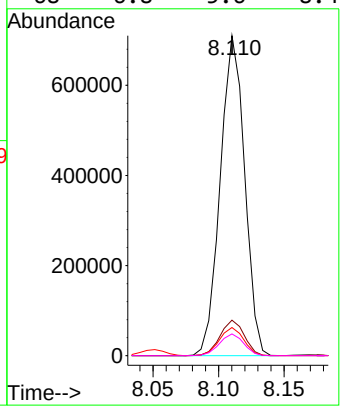


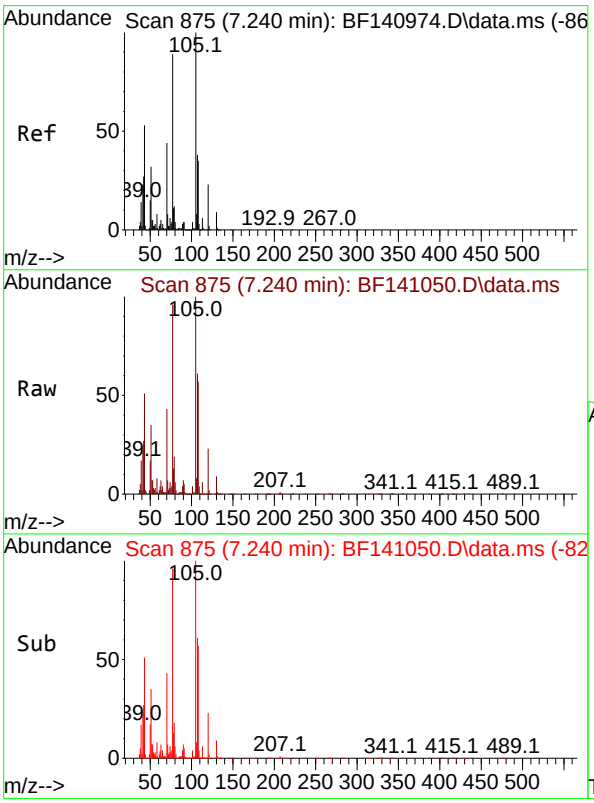
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:136 Resp: 918976

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.8	7.6	11.4
68	6.8	5.6	8.4

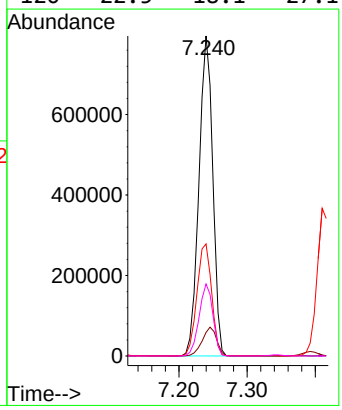


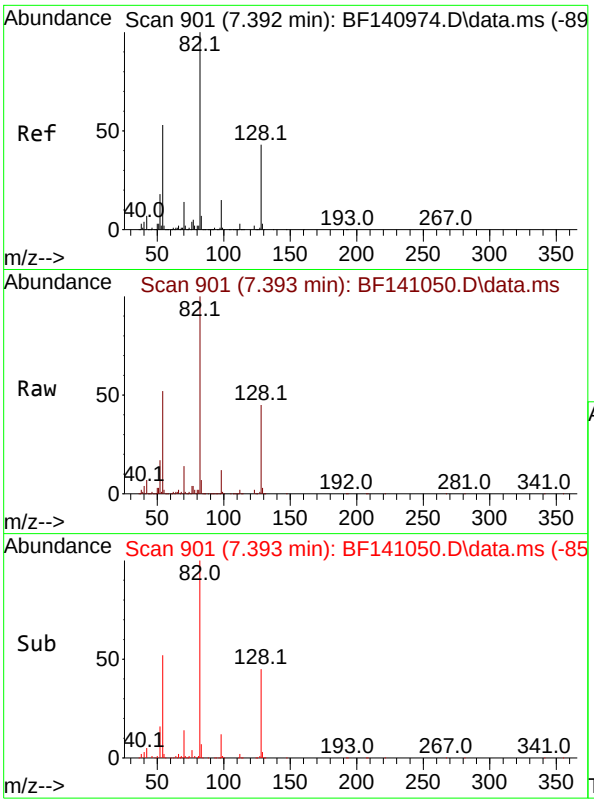


#22
Acetophenone
Concen: 49.744 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:105 Resp: 1121412

Ion	Ratio	Lower	Upper
105	100		
71	7.4	6.1	9.1
51	35.0	25.8	38.6
120	22.5	18.1	27.1



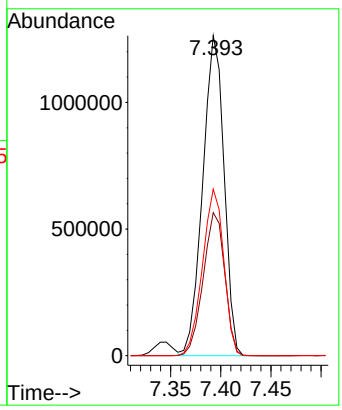


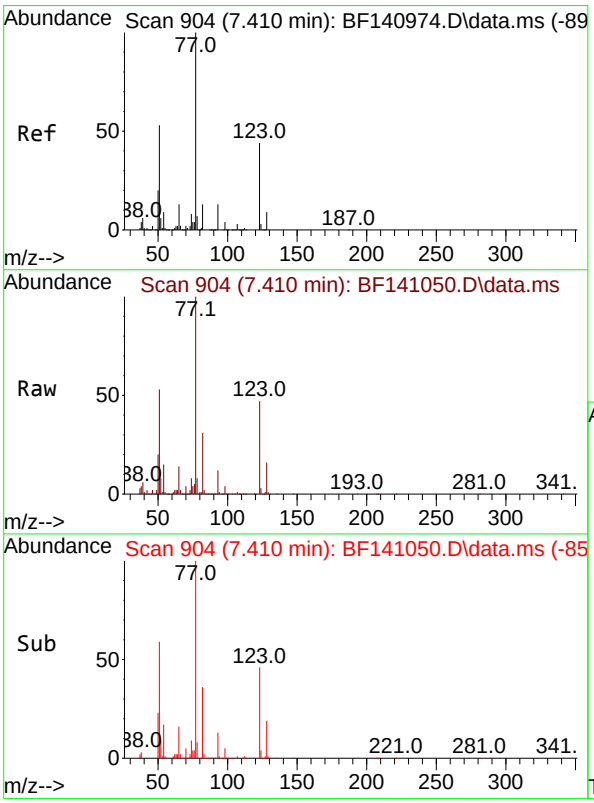
#23
Nitrobenzene-d5
Concen: 130.300 ng
RT: 7.393 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 82 Resp: 1871617

Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.4	51.6
54	52.1	42.4	63.6

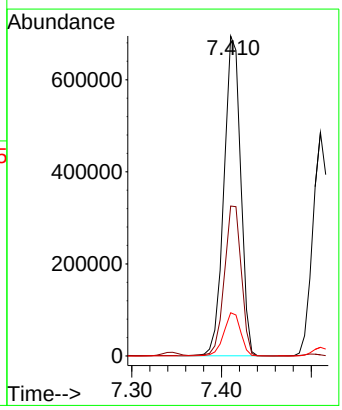


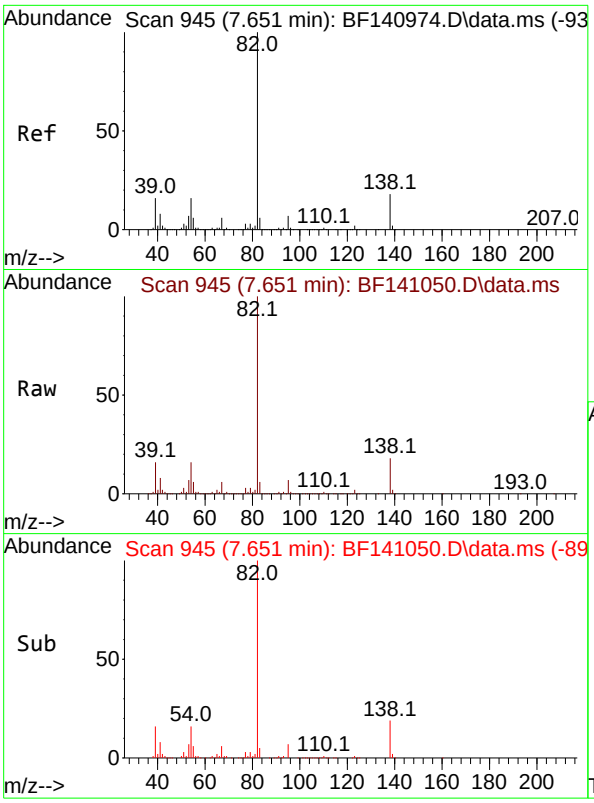


#24
Nitrobenzene
Concen: 55.904 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 77 Resp: 897277

Ion	Ratio	Lower	Upper
77	100		
123	46.8	35.4	53.2
65	13.5	10.7	16.1



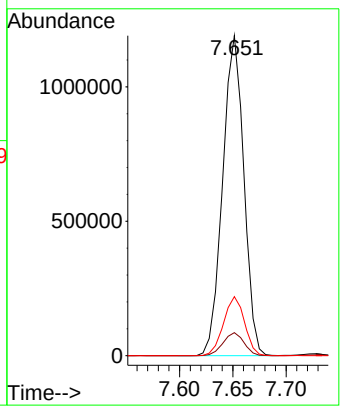


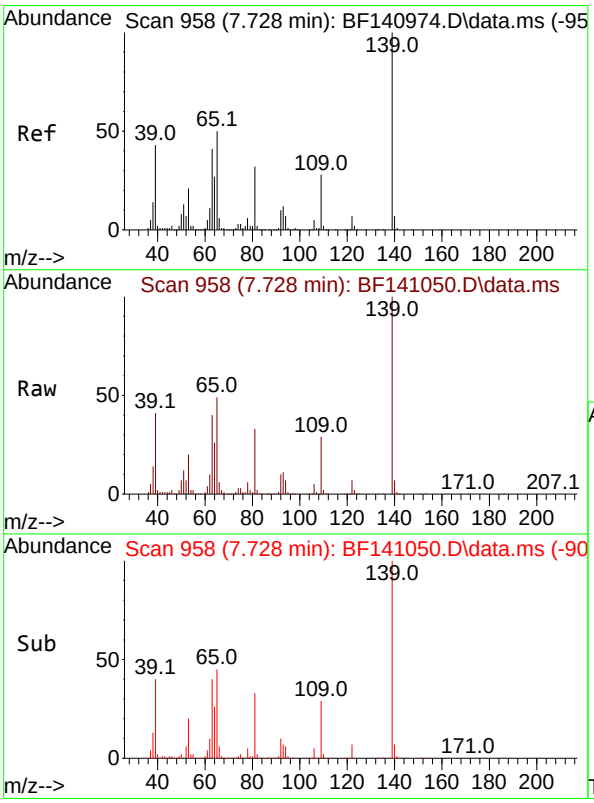
#25
Isophorone
Concen: 52.685 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 82 Resp: 1646747

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	18.5	14.6	21.8

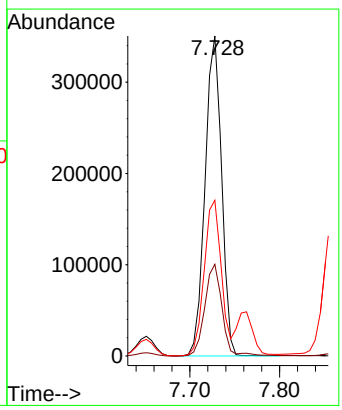


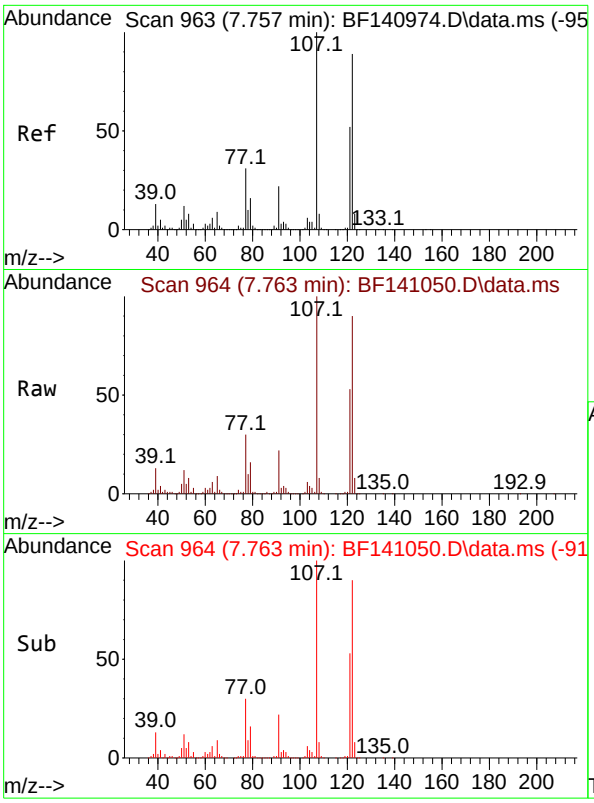


#26
2-Nitrophenol
Concen: 65.898 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:139 Resp: 448067

Ion	Ratio	Lower	Upper
139	100		
109	28.7	22.2	33.4
65	48.6	40.2	60.4



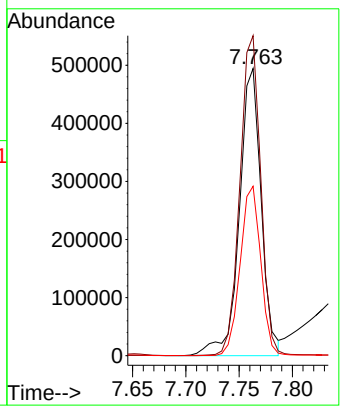


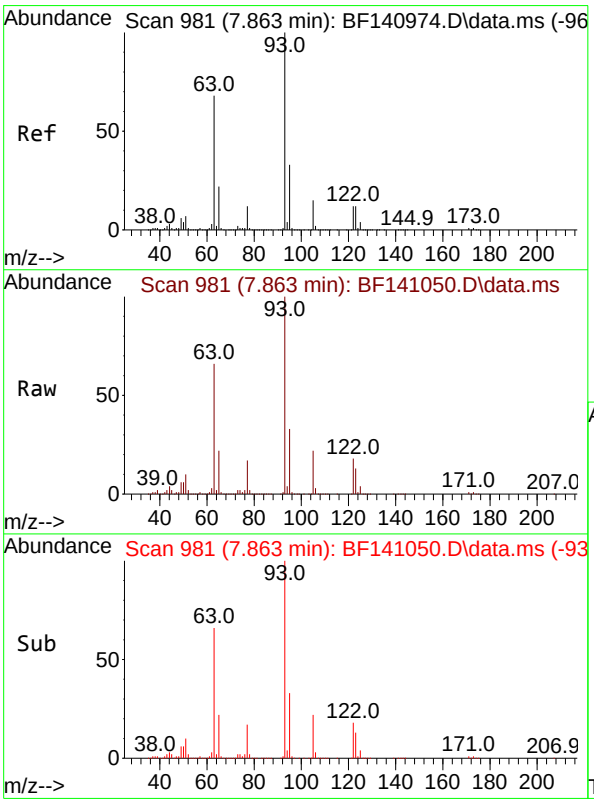
#27
2,4-Dimethylphenol
Concen: 61.930 ng
RT: 7.763 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:122 Resp: 707452

Ion	Ratio	Lower	Upper
122	100		
107	111.4	89.4	134.2
121	59.0	46.7	70.1

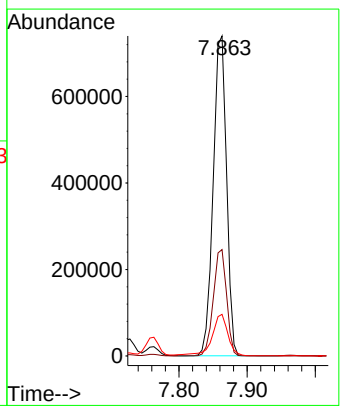


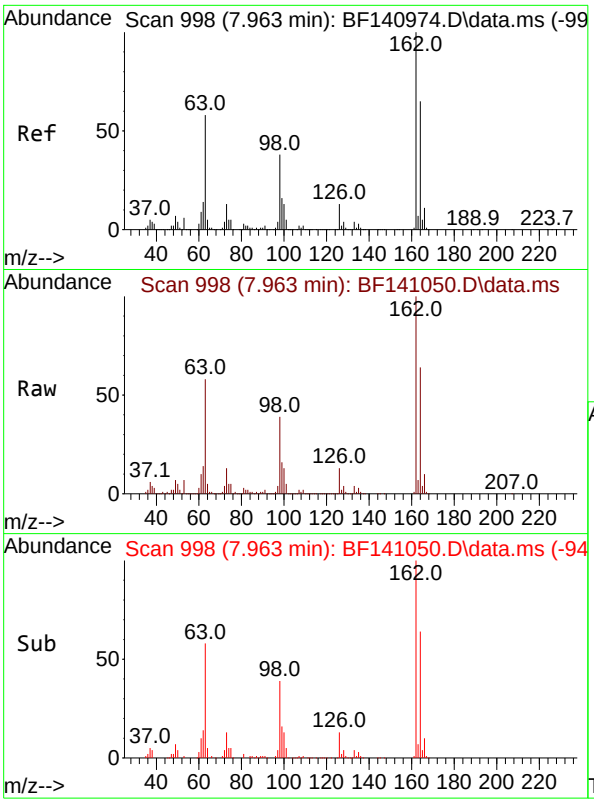


#28
bis(2-Chloroethoxy)methane
Concen: 50.930 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 93 Resp: 1008599

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.2	39.4
123	13.0	9.9	14.9



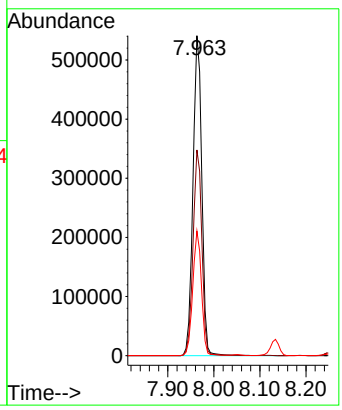


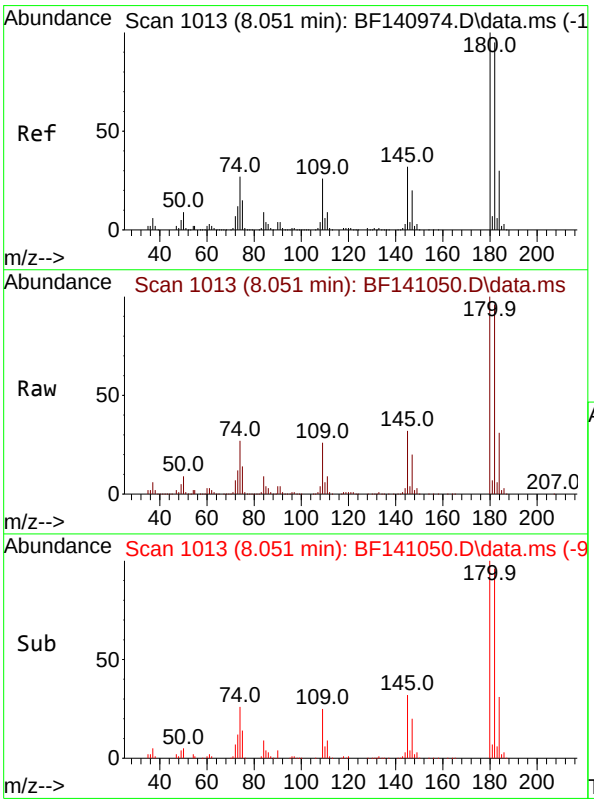
#29
2,4-Dichlorophenol
Concen: 55.360 ng
RT: 7.963 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:162 Resp: 717237

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.8	84.8
98	39.0	18.6	58.6

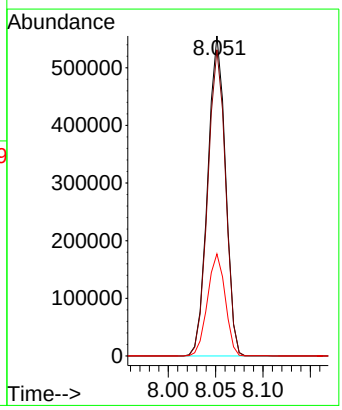


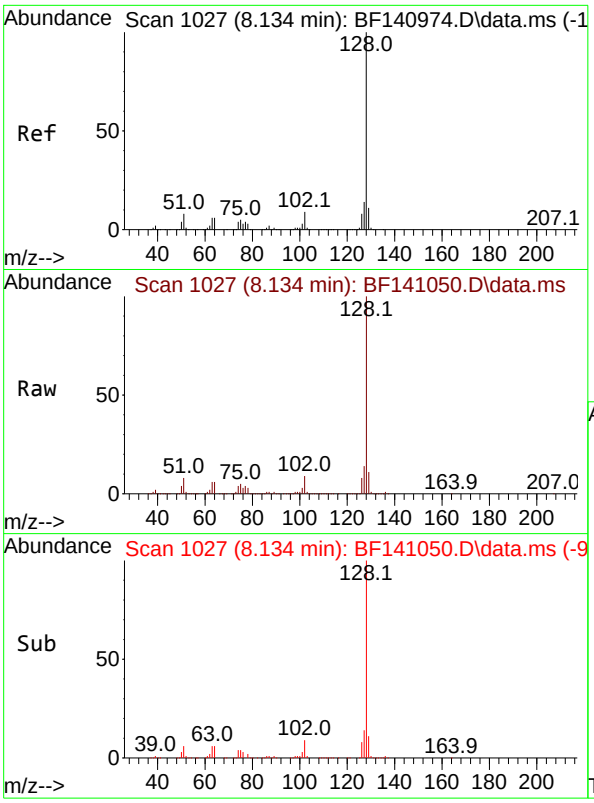


#30
1,2,4-Trichlorobenzene
Concen: 49.213 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:180 Resp: 721653

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.2	114.4
145	31.9	25.4	38.2



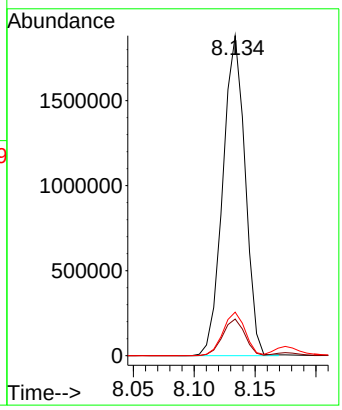


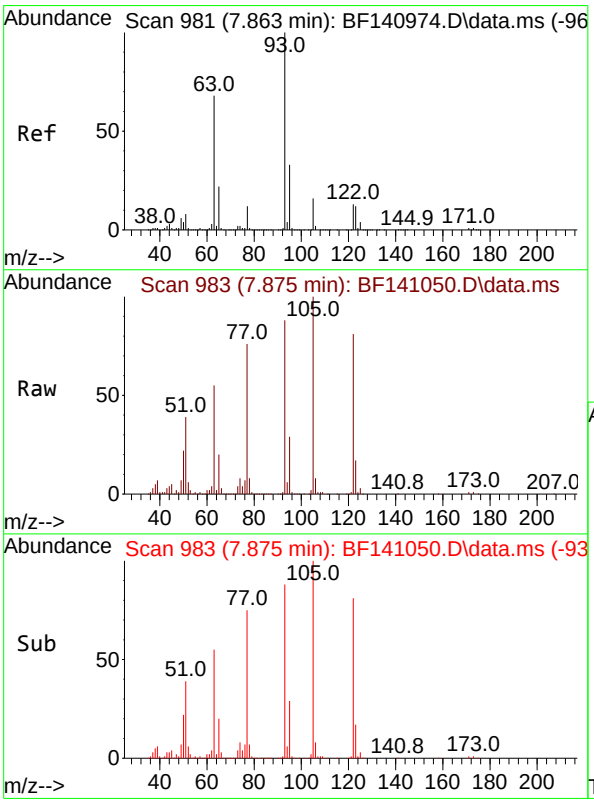
#31
Naphthalene
Concen: 49.477 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:128 Resp: 2395909

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.6	11.0	16.4

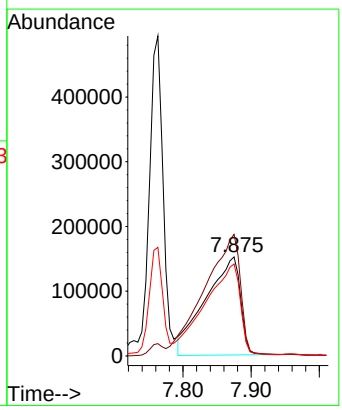


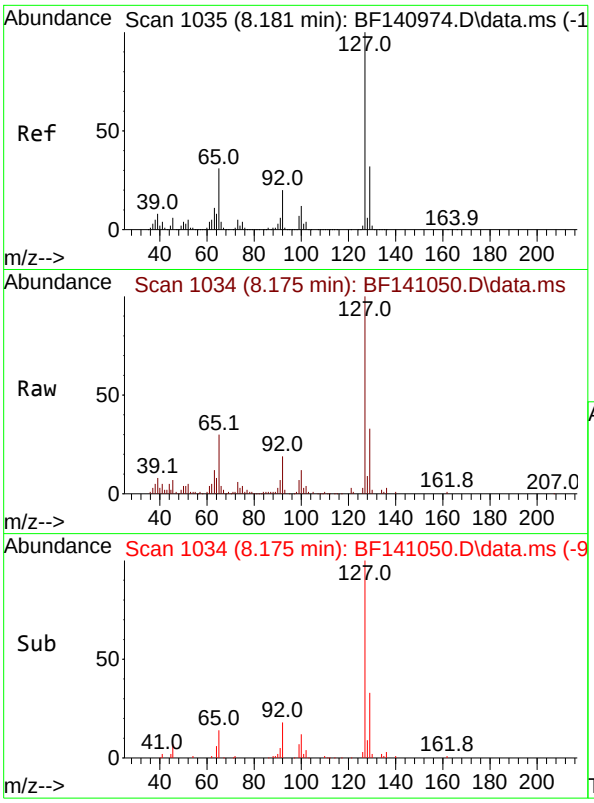


#32
Benzoic acid
Concen: 55.871 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.012 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:122 Resp: 539358

Ion	Ratio	Lower	Upper
122	100		
105	122.8	105.4	145.4
77	92.9	76.4	116.4



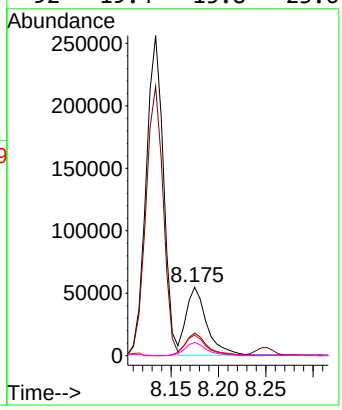


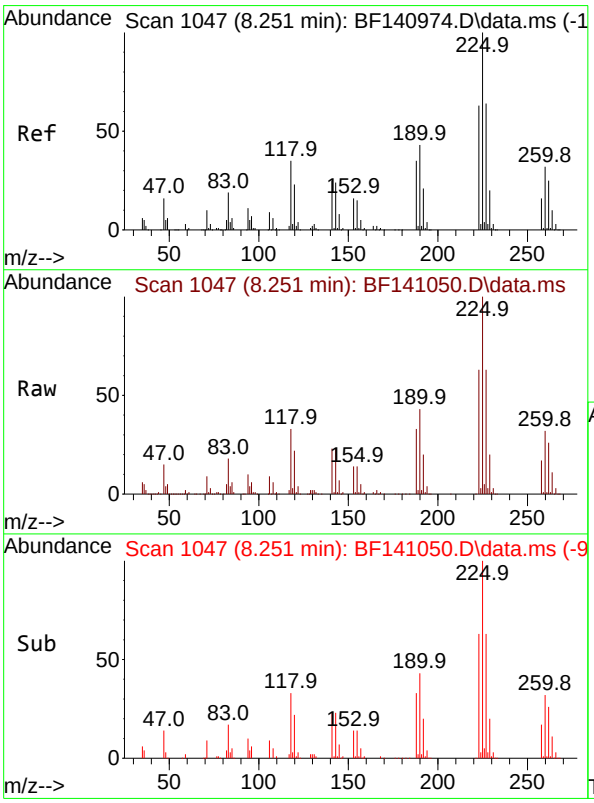
#33
4-Chloroaniline
Concen: 4.670 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:127 Resp: 81811

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	30.2	24.6	37.0
92	19.4	15.8	23.6

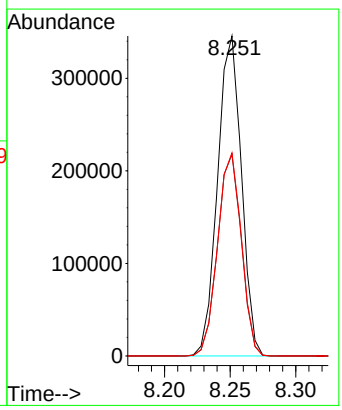


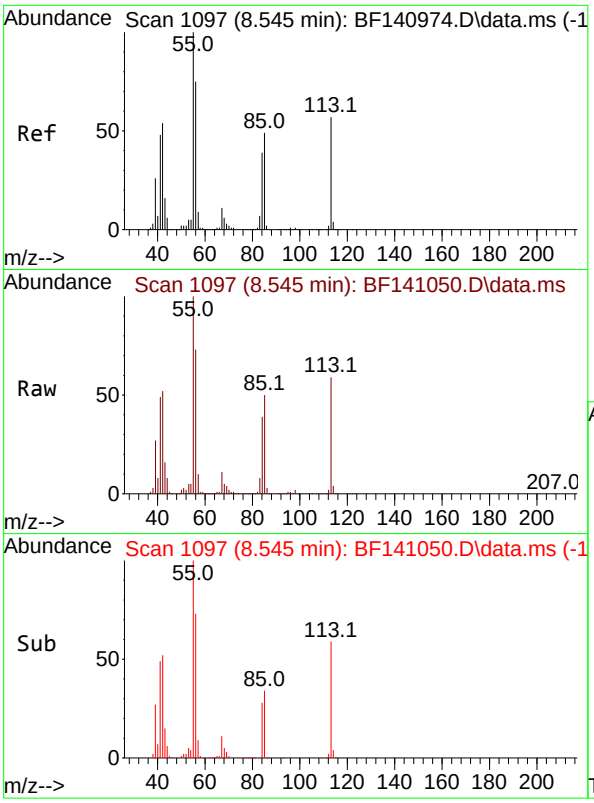


#34
Hexachlorobutadiene
Concen: 50.482 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:225 Resp: 436407

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5
227	63.5	50.8	76.2



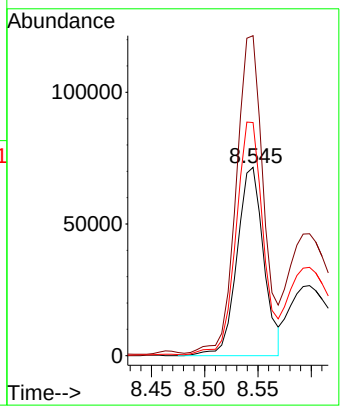


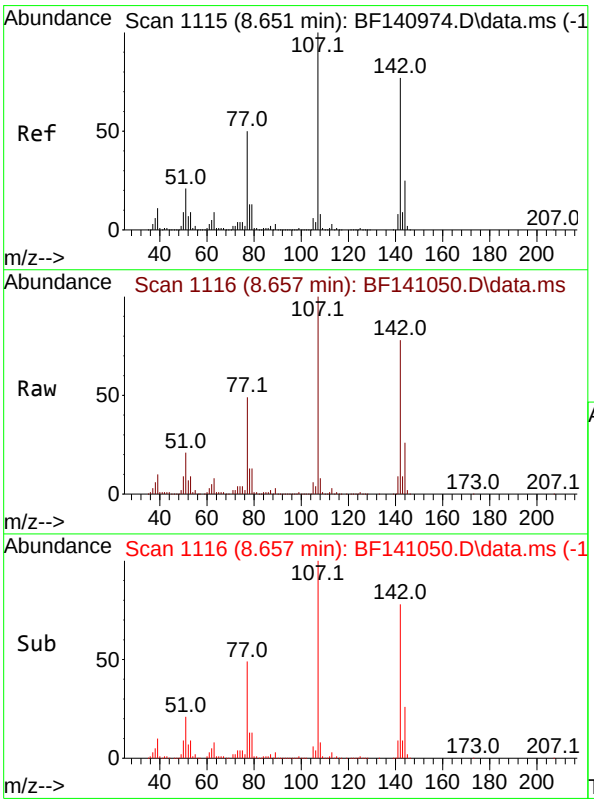
#35
Caprolactam
Concen: 28.307 ng
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:113 Resp: 124677

Ion	Ratio	Lower	Upper
113	100		
55	170.0	156.6	196.6
56	123.8	111.7	151.7

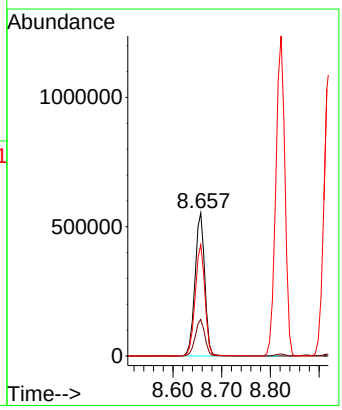


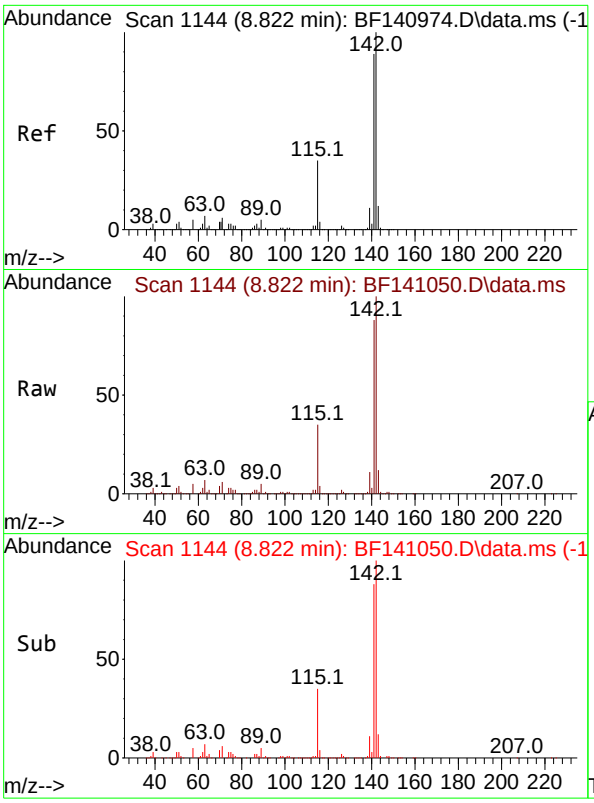


#36
4-Chloro-3-methylphenol
Concen: 53.955 ng
RT: 8.657 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:107 Resp: 776315

Ion	Ratio	Lower	Upper
107	100		
144	25.5	19.9	29.9
142	77.8	61.8	92.8



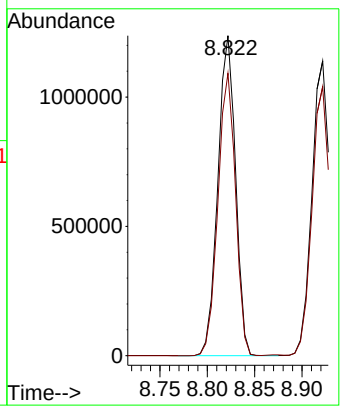


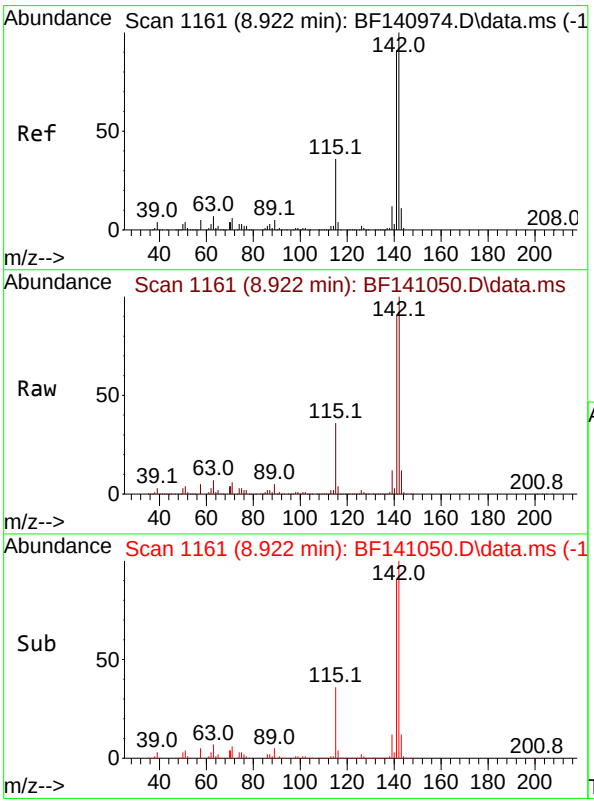
#37
2-Methylnaphthalene
Concen: 51.840 ng
RT: 8.822 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:142 Resp: 1605935

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.1	106.7

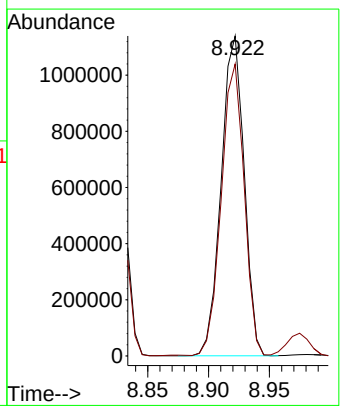


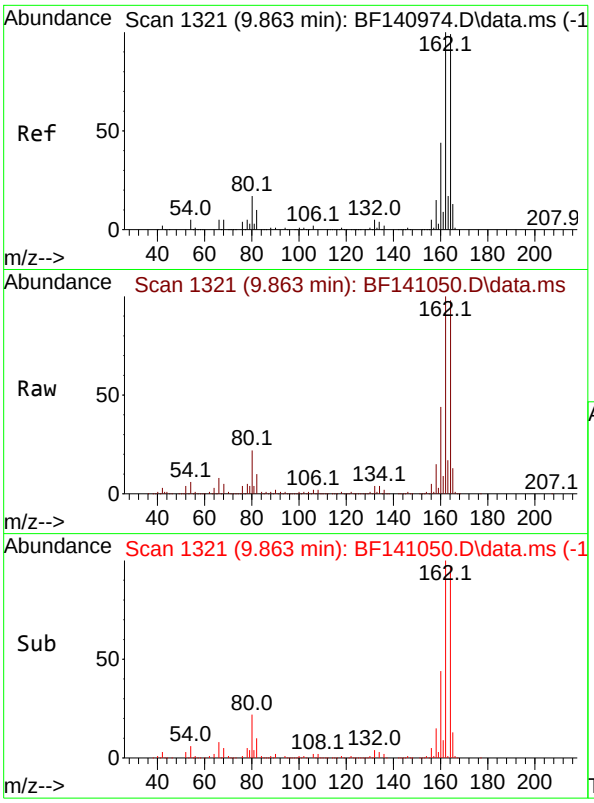


#38
1-Methylnaphthalene
Concen: 49.105 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:142 Resp: 1495035

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.7	109.1



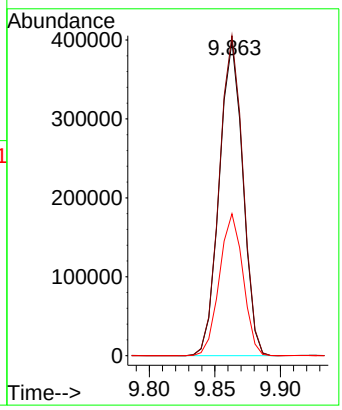


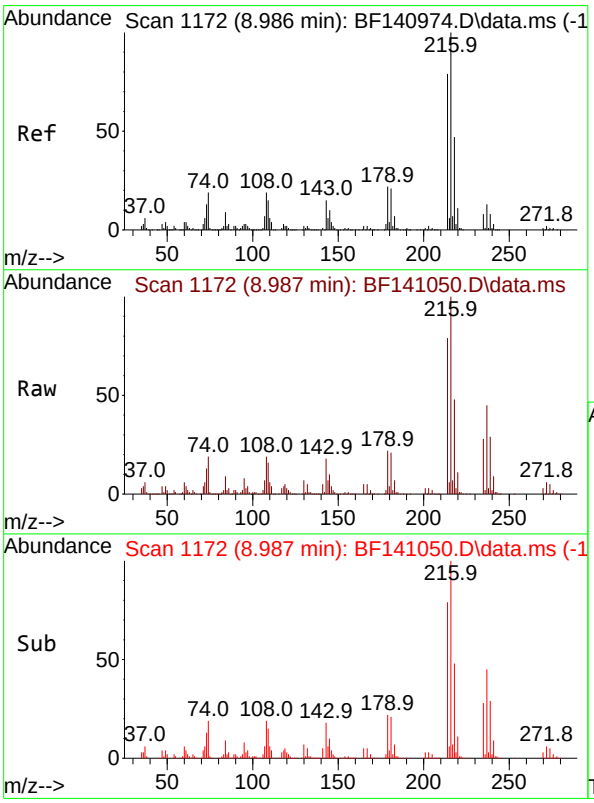
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:164 Resp: 496643

Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.6	120.8
160	45.2	35.7	53.5

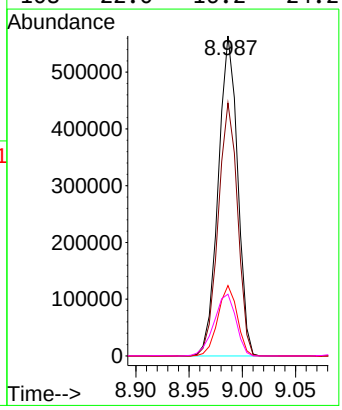


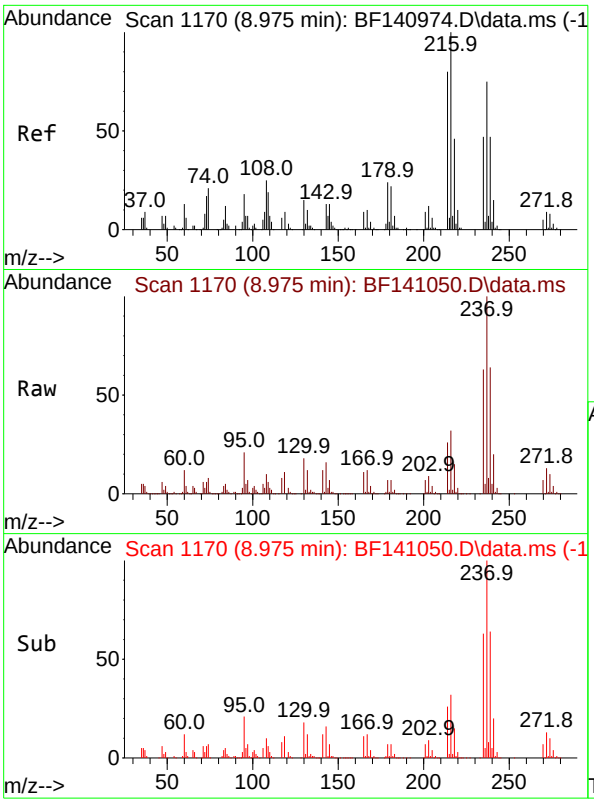


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.098 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:216 Resp: 711829

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.6
179	21.9	17.9	26.9
108	22.0	16.2	24.2



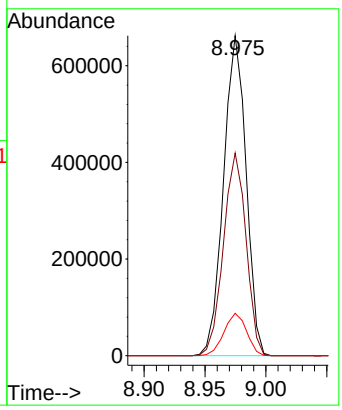


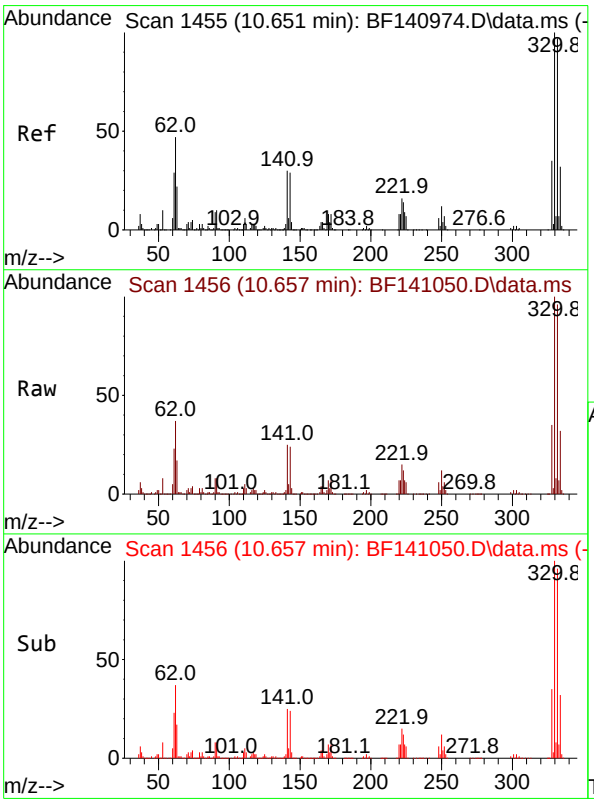
#41
Hexachlorocyclopentadiene
Concen: 188.489 ng
RT: 8.975 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:237 Resp: 853450

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.4	83.4
272	13.2	0.0	32.6

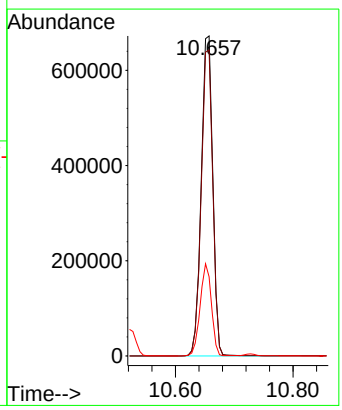


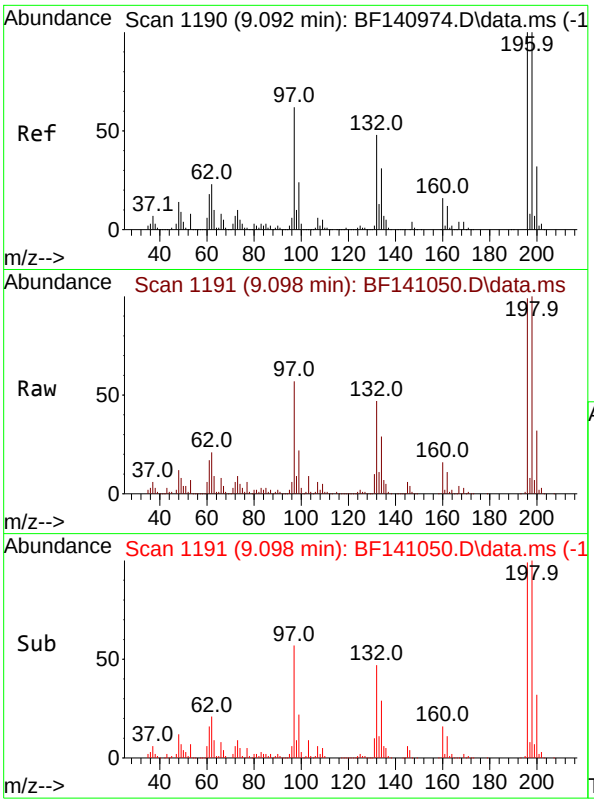


#42
2,4,6-Tribromophenol
Concen: 189.587 ng
RT: 10.657 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:330 Resp: 914930

Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.0	117.0
141	28.2	26.4	39.6



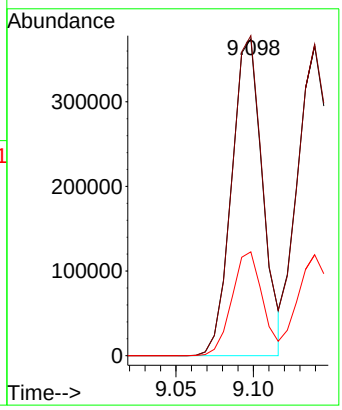


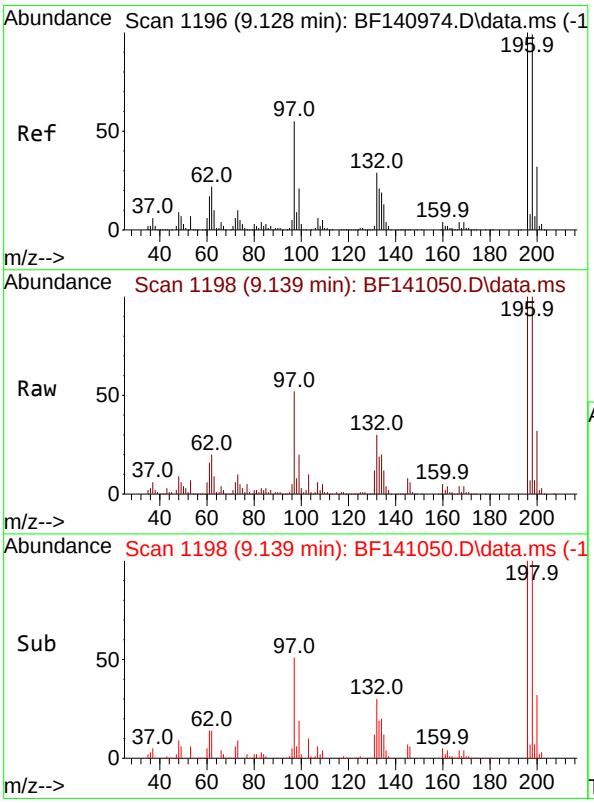
#43
2,4,6-Trichlorophenol
Concen: 57.227 ng
RT: 9.098 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:196 Resp: 520399

Ion	Ratio	Lower	Upper
196	100		
198	101.0	80.2	120.4
200	32.8	25.8	38.6

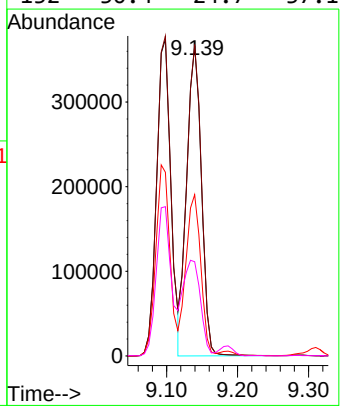


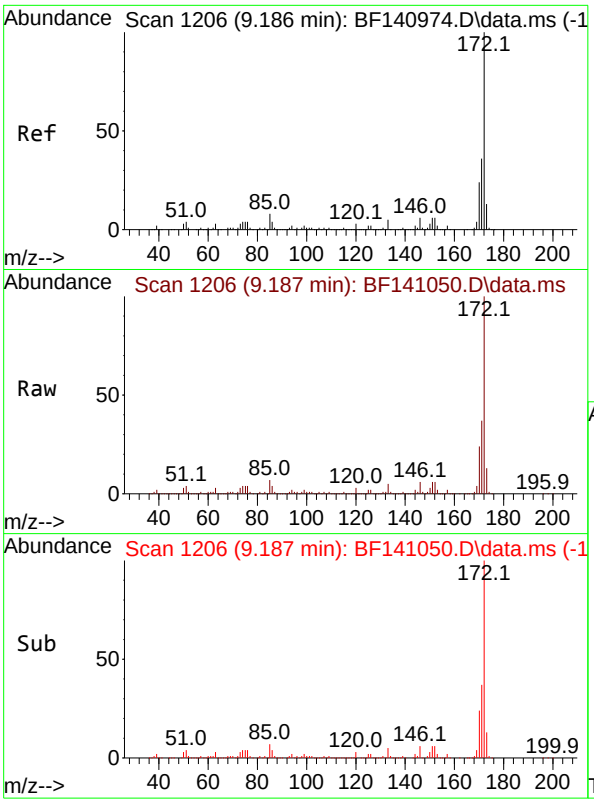


#44
2,4,5-Trichlorophenol
Concen: 56.928 ng
RT: 9.139 min Scan# 1198
Delta R.T. 0.012 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:196 Resp: 529687

Ion	Ratio	Lower	Upper
196	100		
198	100.5	79.9	119.9
97	52.0	44.3	66.5
132	30.4	24.7	37.1



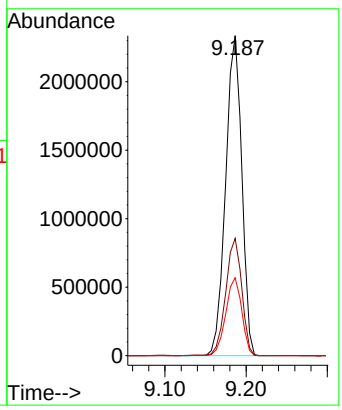


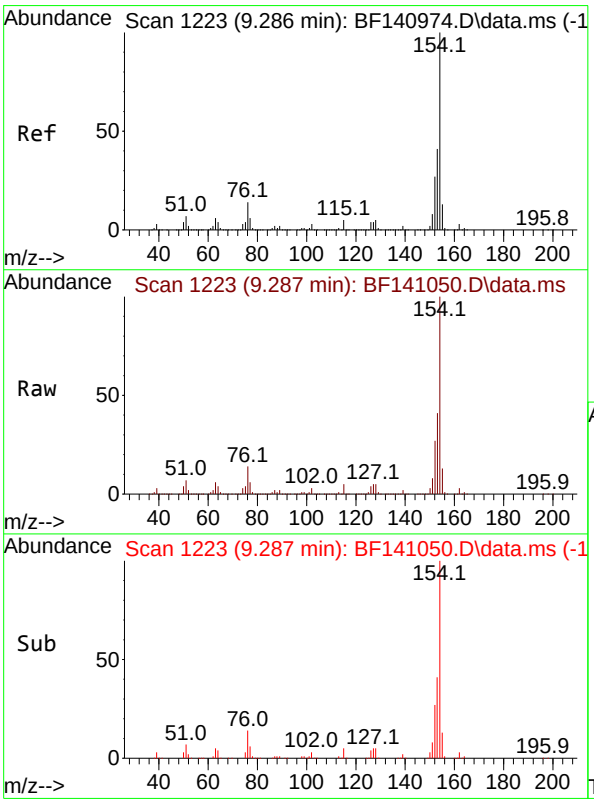
#45
2-Fluorobiphenyl
Concen: 103.602 ng
RT: 9.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:172 Resp: 3229458

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.0	43.4
170	24.4	19.6	29.4

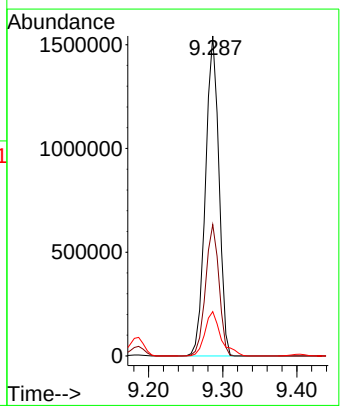


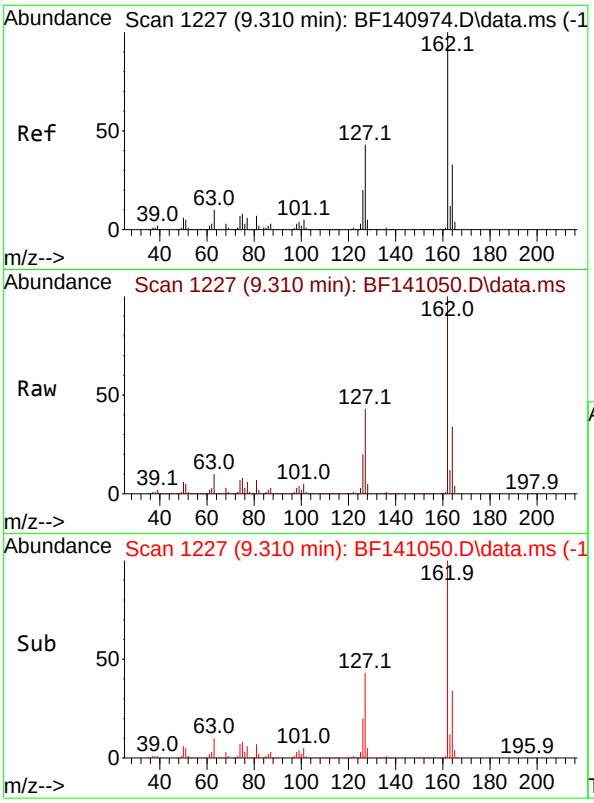


#46
1,1'-Biphenyl
Concen: 51.155 ng
RT: 9.287 min Scan# 1223
Delta R.T. 0.001 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:154 Resp: 1945296

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.9	60.9
76	13.9	0.0	34.0



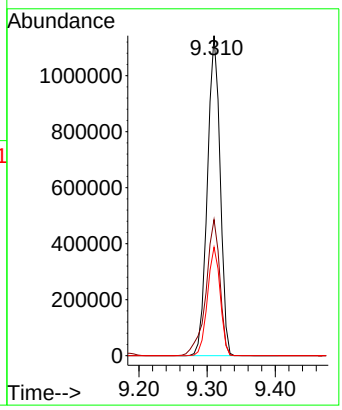


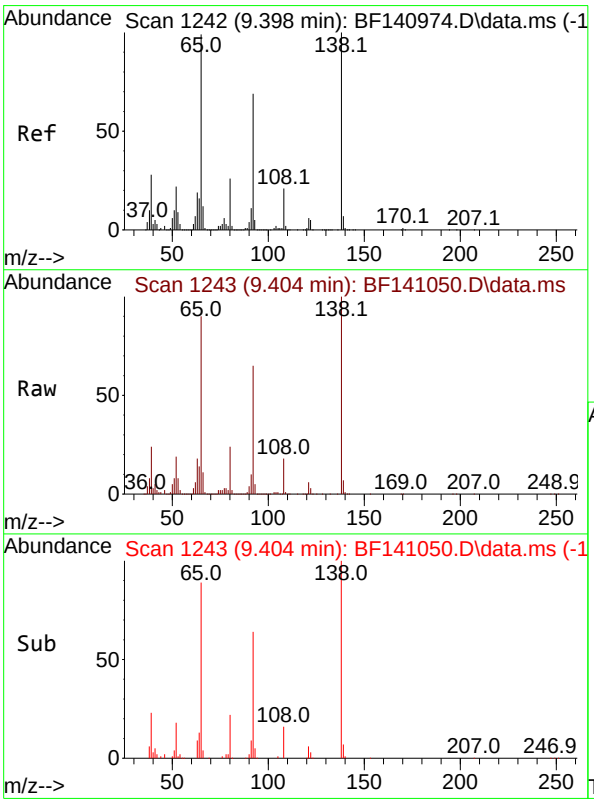
#47
2-Chloronaphthalene
Concen: 50.336 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:162 Resp: 1484568

Ion	Ratio	Lower	Upper
162	100		
127	42.6	34.2	51.4
164	33.9	26.6	40.0

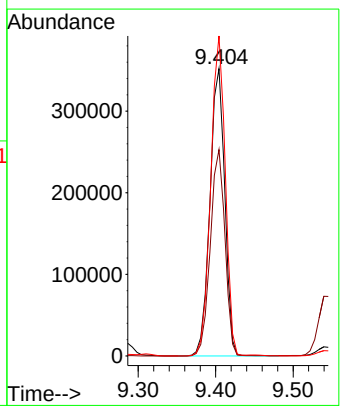


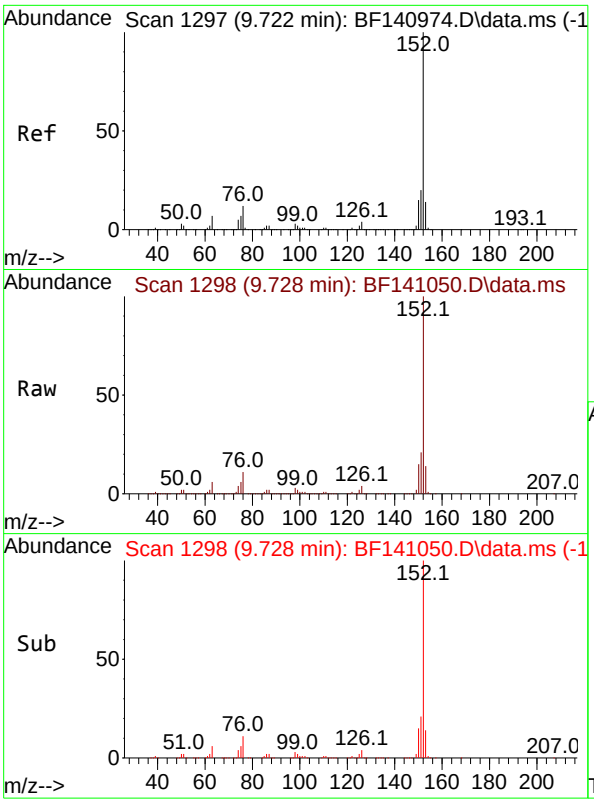


#48
2-Nitroaniline
Concen: 59.476 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion: 65 Resp: 468373

Ion	Ratio	Lower	Upper
65	100		
92	71.8	55.6	83.4
138	111.3	80.5	120.7



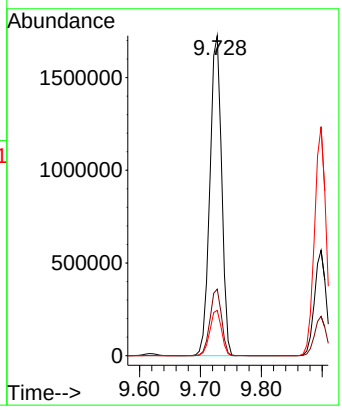


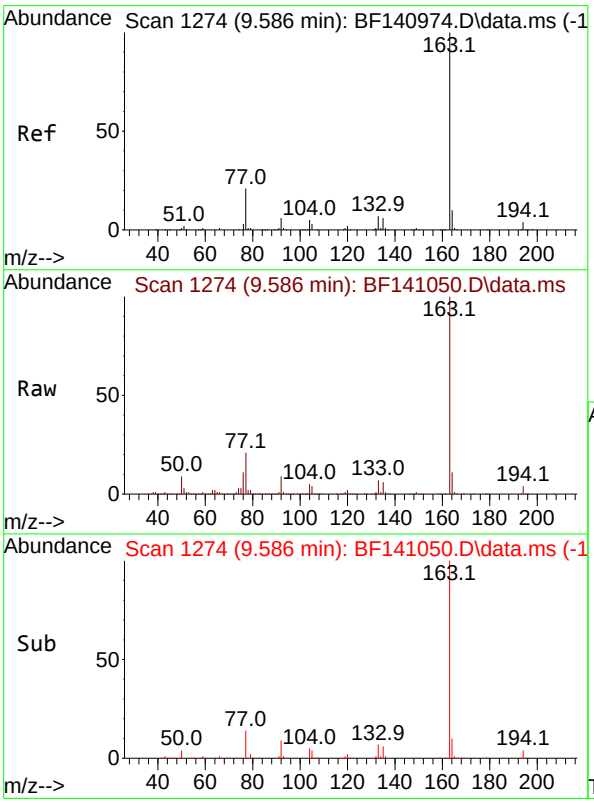
#49
Acenaphthylene
Concen: 54.347 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:152 Resp: 2307406

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.4
153	14.2	11.4	17.0

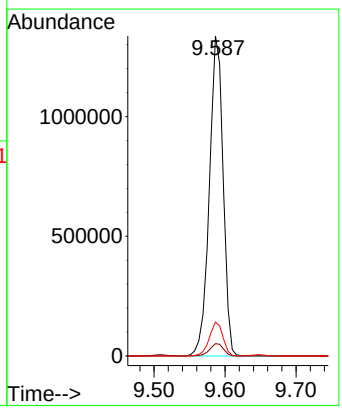


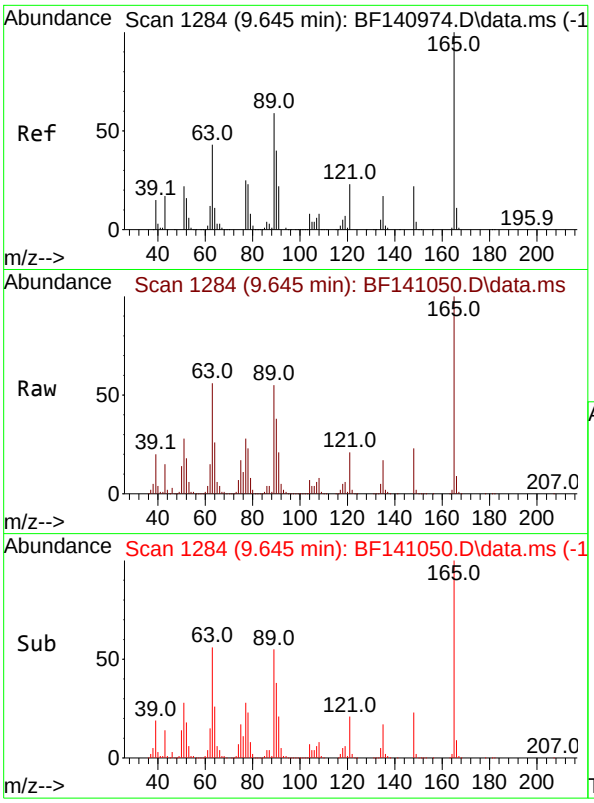


#50
Dimethylphthalate
Concen: 55.187 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:163 Resp: 1802824

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.6	8.3	12.5



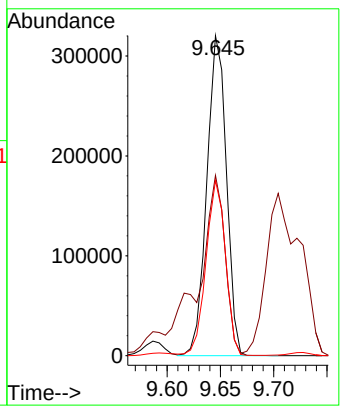


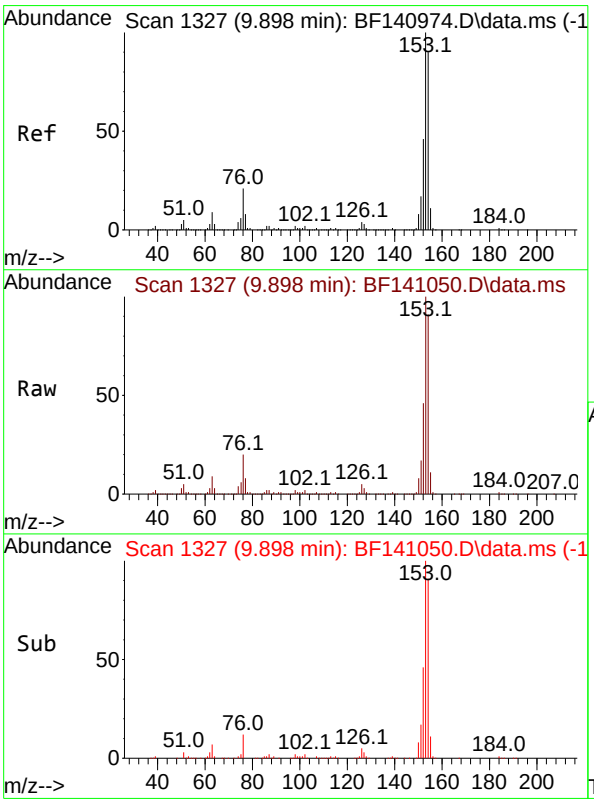
#51
2,6-Dinitrotoluene
Concen: 60.426 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:165 Resp: 409385

Ion	Ratio	Lower	Upper
165	100		
63	56.4	47.1	70.7
89	54.8	47.0	70.4

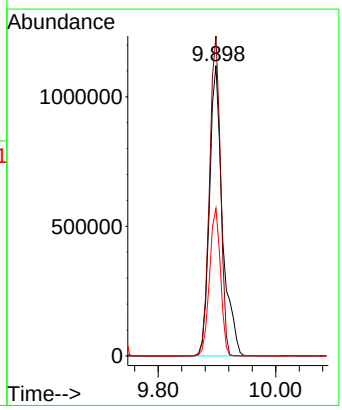


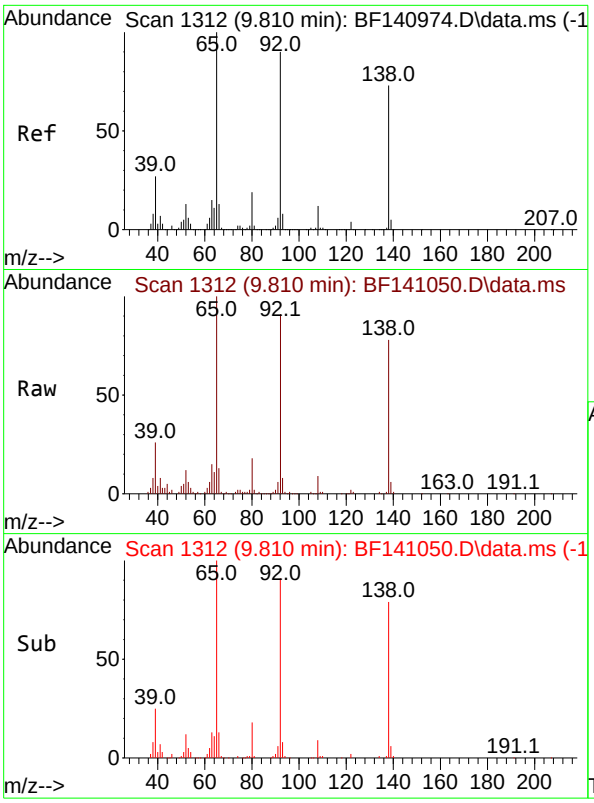


#52
Acenaphthene
Concen: 60.220 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:154 Resp: 1728479

Ion	Ratio	Lower	Upper
154	100		
153	110.2	89.2	133.8
152	50.8	40.9	61.3



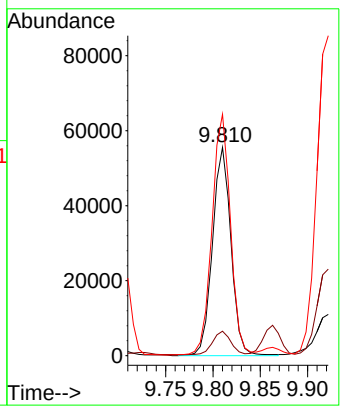


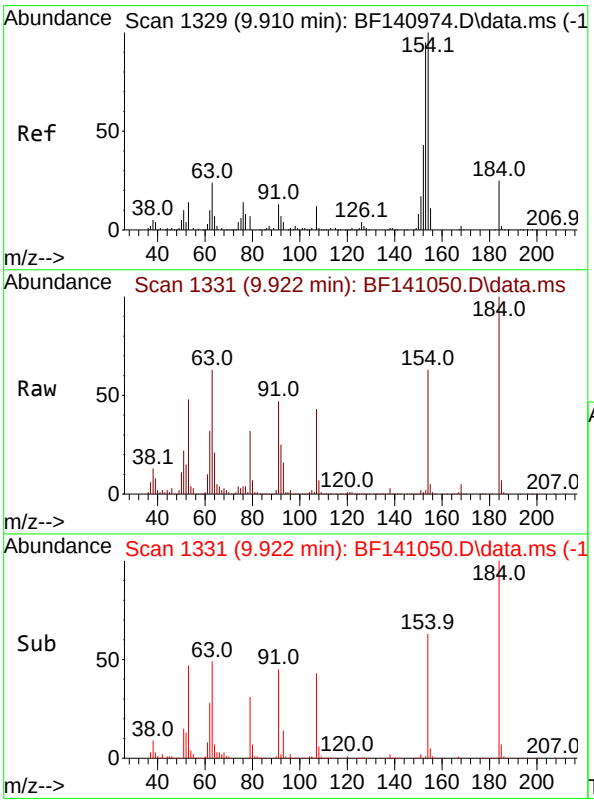
#53
3-Nitroaniline
Concen: 12.985 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:138 Resp: 75559

Ion	Ratio	Lower	Upper
138	100		
108	11.7	13.5	20.3#
92	115.9	97.7	146.5

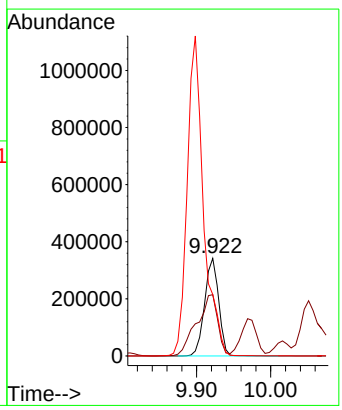


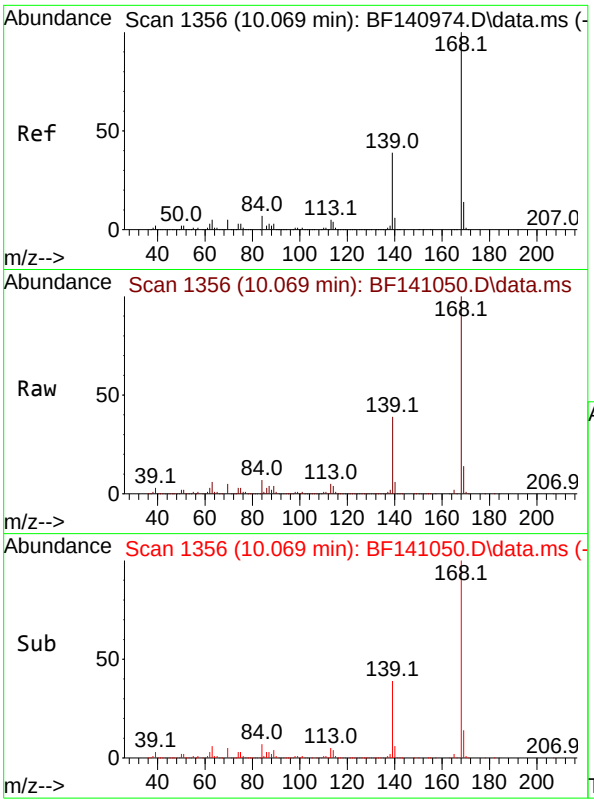


#54
2,4-Dinitrophenol
Concen: 131.272 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.012 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:184 Resp: 451441

Ion	Ratio	Lower	Upper
184	100		
63	62.7	81.6	122.4#
154	62.8	363.5	545.3#



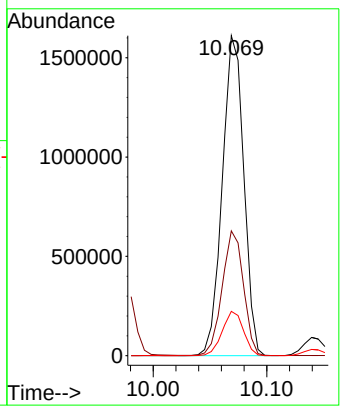


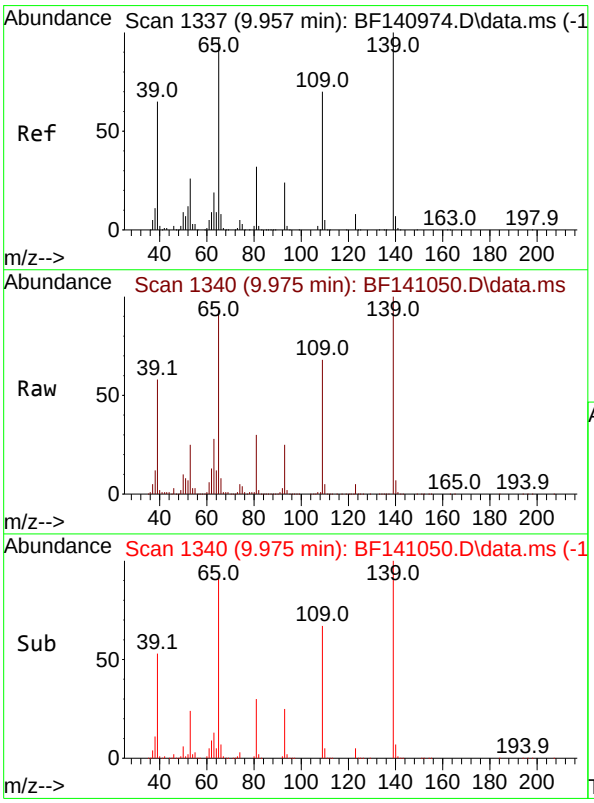
#55
Dibenzofuran
Concen: 52.501 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:168 Resp: 2117754

Ion	Ratio	Lower	Upper
168	100		
139	39.0	31.6	47.4
169	13.8	11.0	16.6

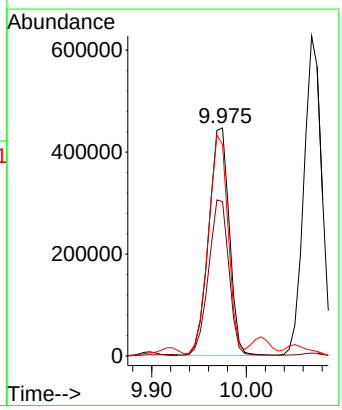


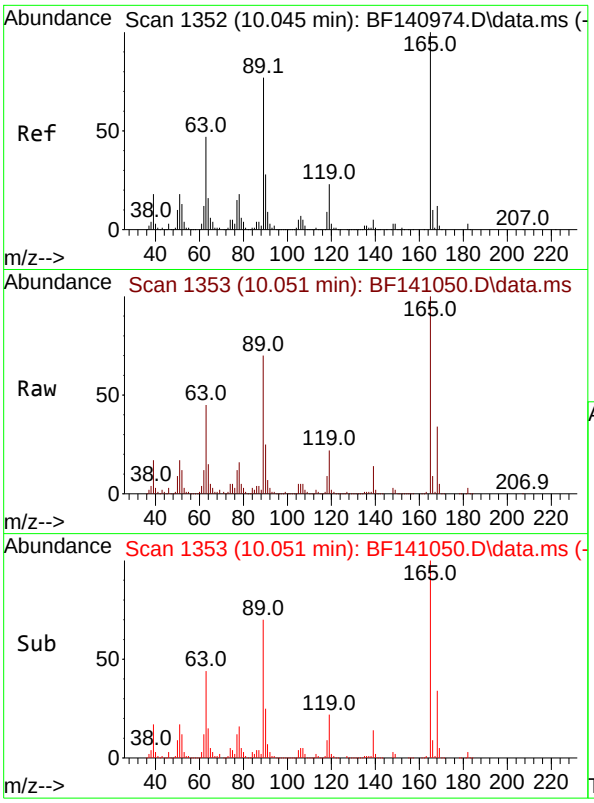


#56
4-Nitrophenol
Concen: 120.535 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.018 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:139 Resp: 673553

Ion	Ratio	Lower	Upper
139	100		
109	67.7	50.8	90.8
65	92.8	78.5	118.5



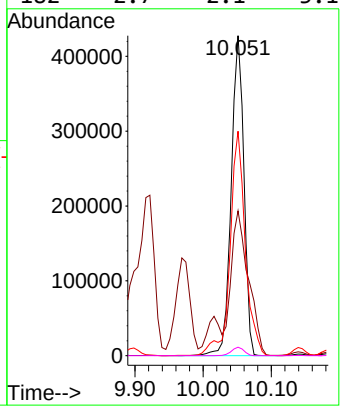


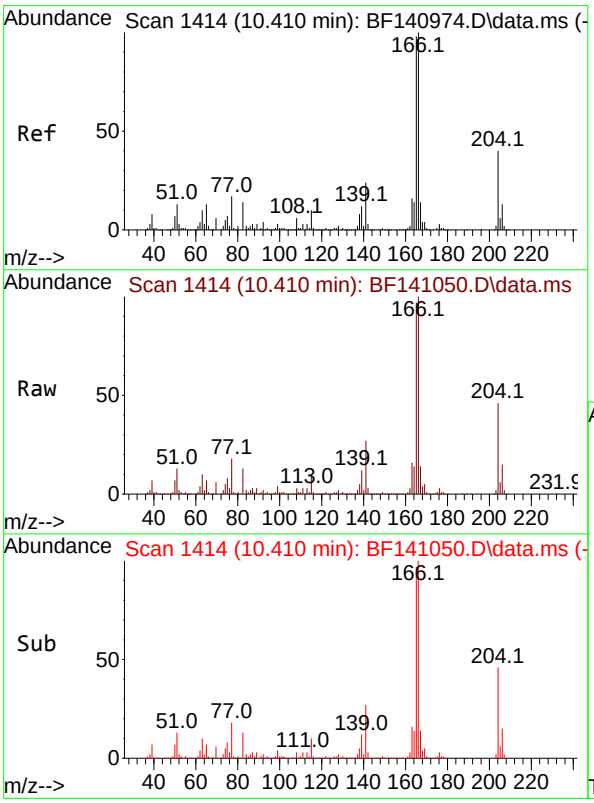
#57
2,4-Dinitrotoluene
Concen: 66.054 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:165 Resp: 553721

Ion	Ratio	Lower	Upper
165	100		
63	45.3	38.1	57.1
89	70.2	61.4	92.2
182	2.7	2.1	3.1

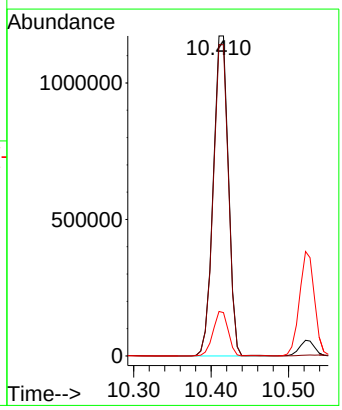


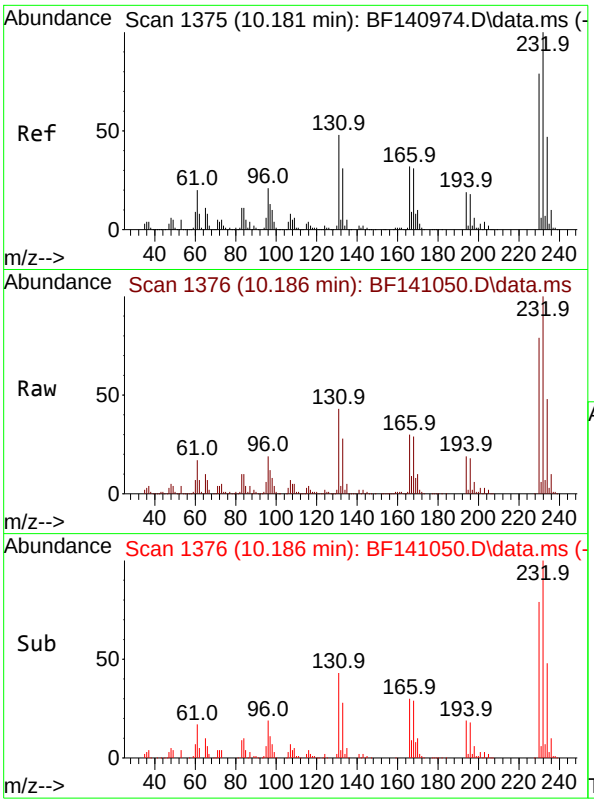


#58
Fluorene
Concen: 50.861 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:166 Resp: 1590906

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.3	117.5
167	13.9	10.9	16.3



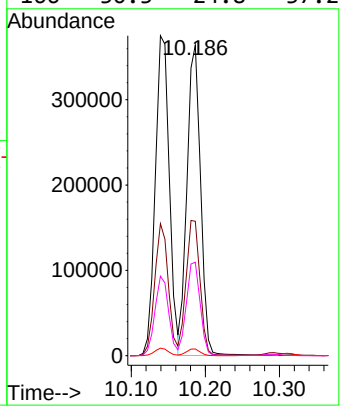


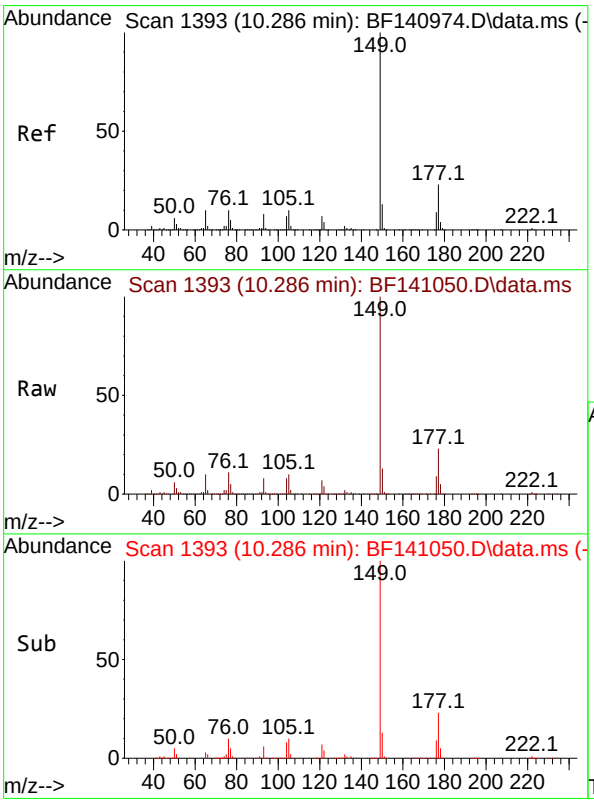
#59
2,3,4,6-Tetrachlorophenol
Concen: 60.364 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:232 Resp: 465162

Ion	Ratio	Lower	Upper
232	100		
131	44.6	37.4	56.2
130	2.2	1.8	2.8
166	30.3	24.8	37.2

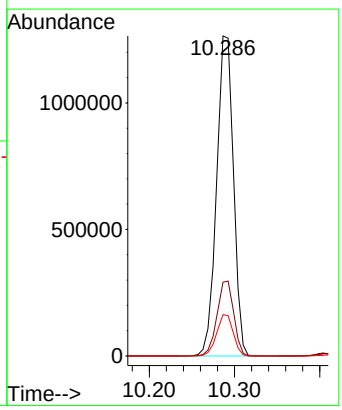


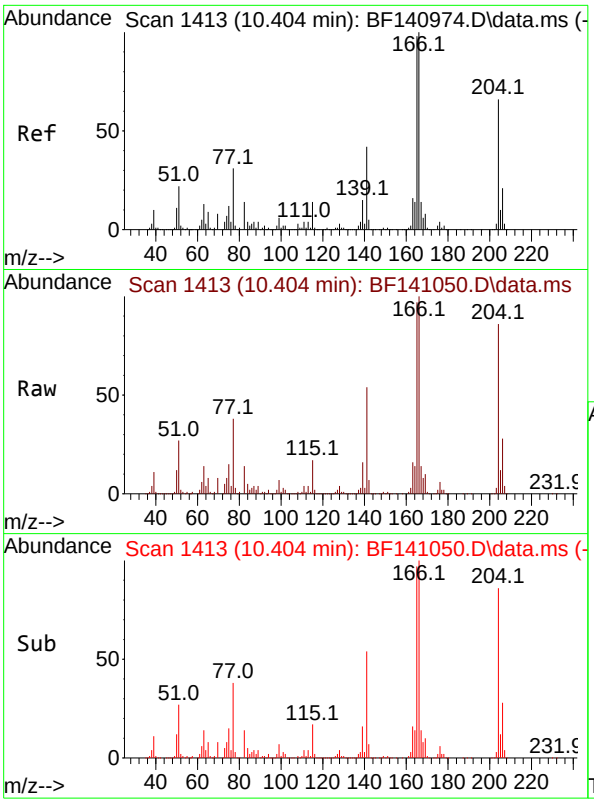


#60
Diethylphthalate
Concen: 53.874 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:149 Resp: 1737471

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.3	27.5
150	12.9	10.4	15.6



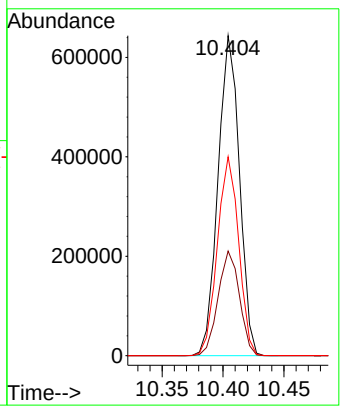


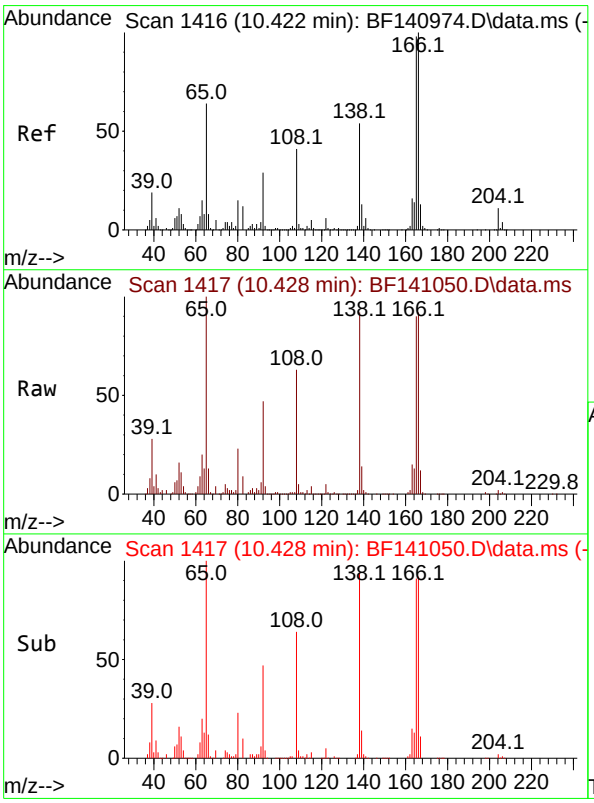
#61
4-Chlorophenyl-phenylether
Concen: 52.419 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:204 Resp: 788959

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.8	38.6
141	62.1	51.2	76.8

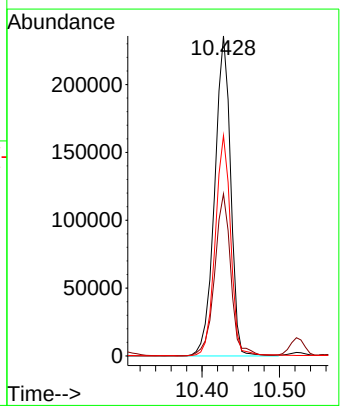


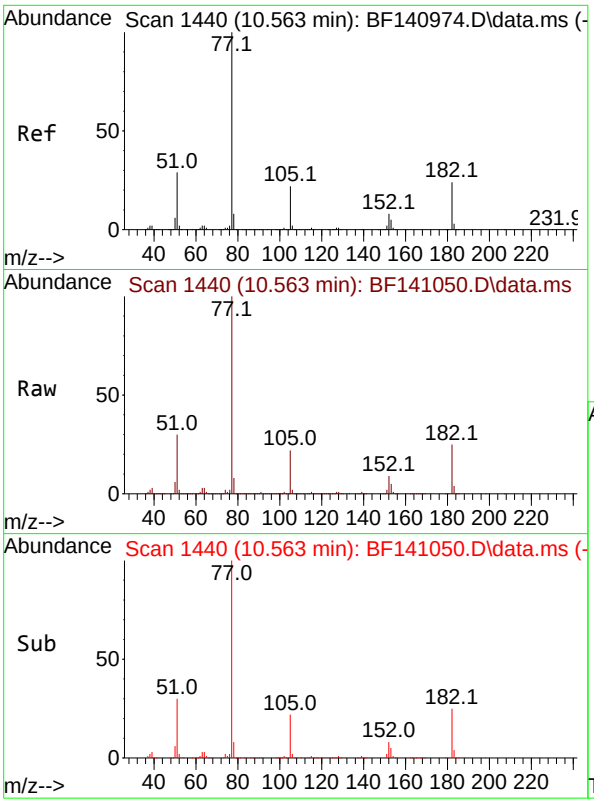


#62
4-Nitroaniline
Concen: 46.707 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:138 Resp: 337363

Ion	Ratio	Lower	Upper
138	100		
92	50.6	34.8	74.8
108	68.8	55.9	95.9



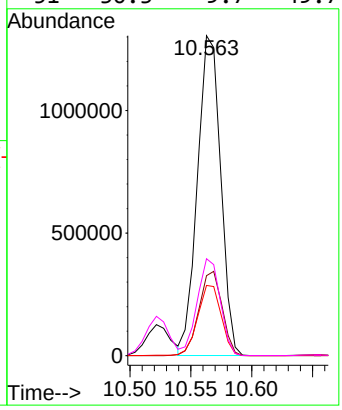


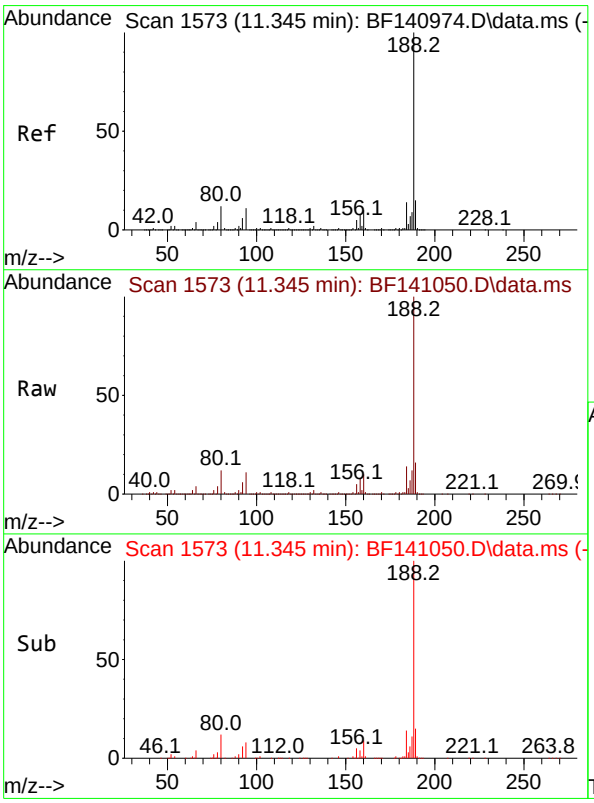
#63
Azobenzene
Concen: 51.072 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 77 Resp: 1728825

Ion	Ratio	Lower	Upper
77	100		
182	25.0	4.1	44.1
105	21.9	1.8	41.8
51	30.3	9.7	49.7

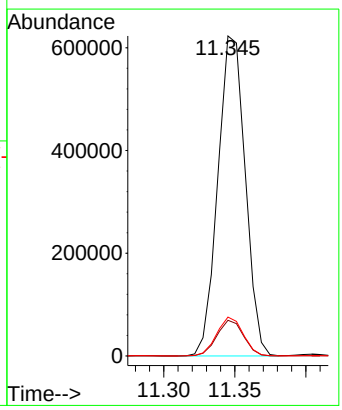


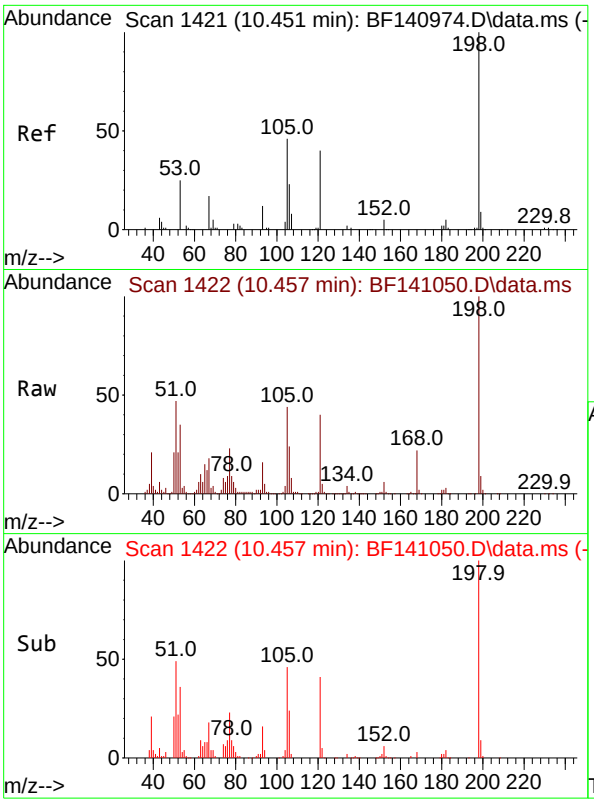


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:188 Resp: 836009

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.0	13.6
80	12.2	9.8	14.6



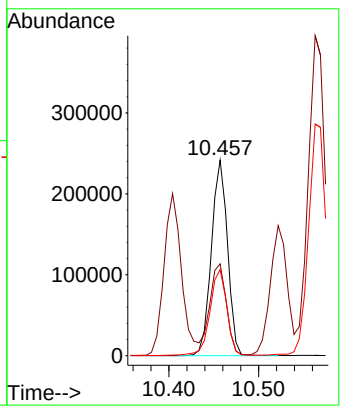


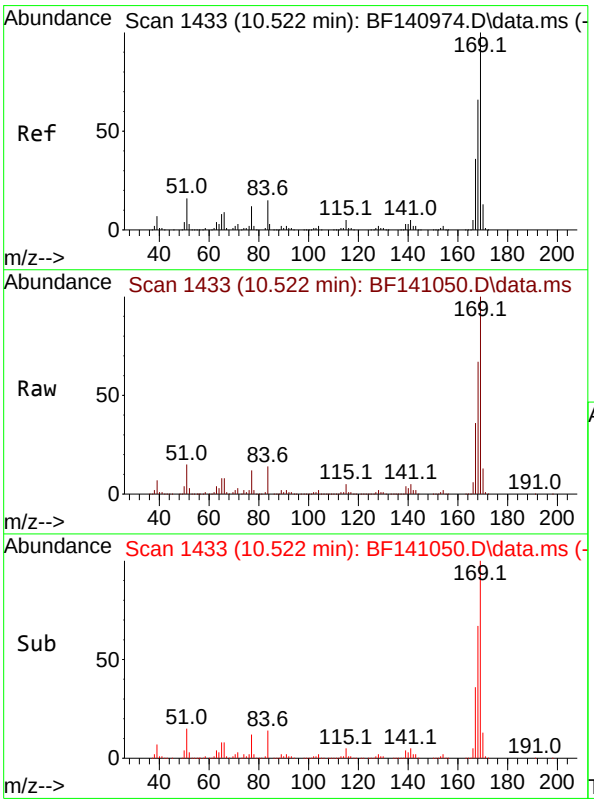
#65
4,6-Dinitro-2-methylphenol
Concen: 82.168 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:198 Resp: 301414

Ion	Ratio	Lower	Upper
198	100		
51	47.0	32.3	72.3
105	44.1	28.4	68.4

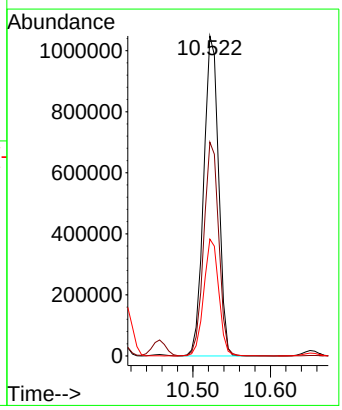


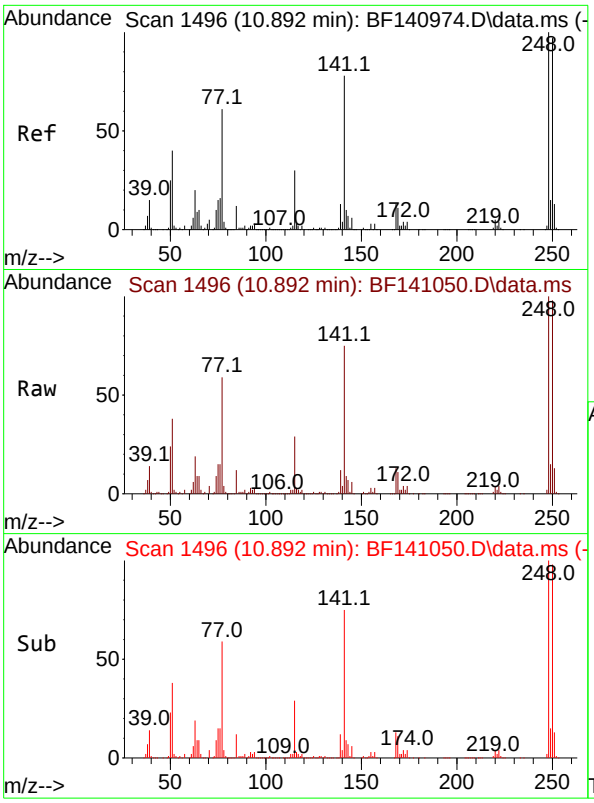


#66
n-Nitrosodiphenylamine
Concen: 52.920 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:169 Resp: 1393151

Ion	Ratio	Lower	Upper
169	100		
168	66.8	52.6	79.0
167	36.5	29.0	43.4



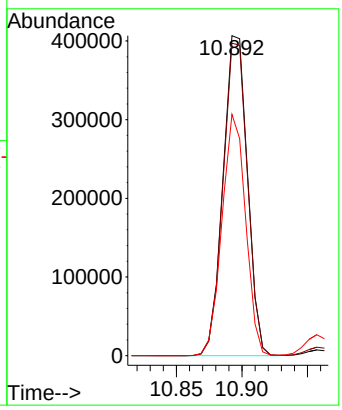


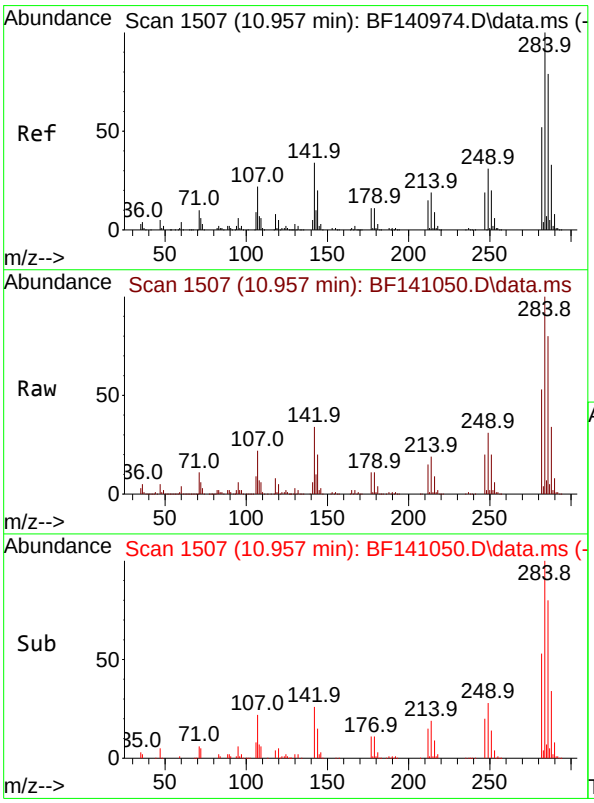
#67
4-Bromophenyl-phenylether
Concen: 58.385 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:248 Resp: 527647

Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.7	116.5
141	75.4	62.1	93.1

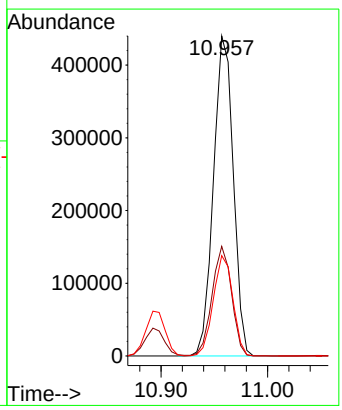


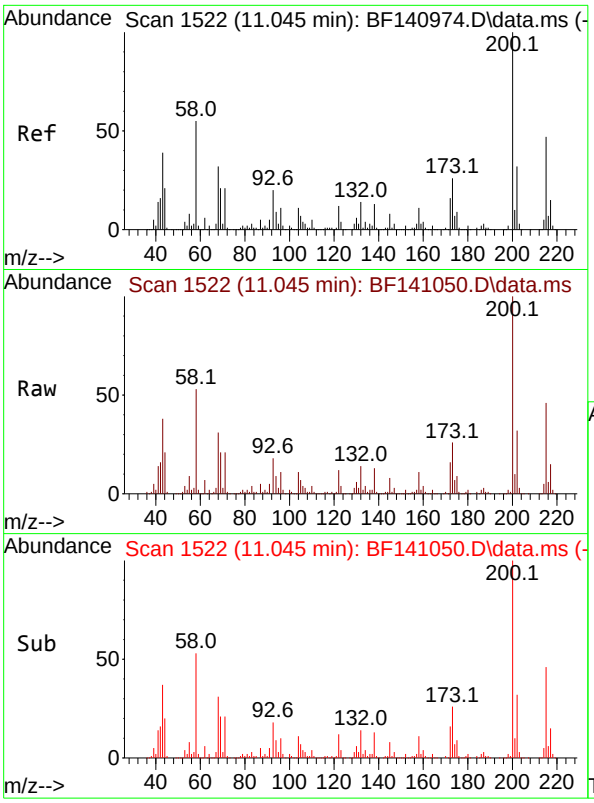


#68
Hexachlorobenzene
Concen: 56.924 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:284 Resp: 567260

Ion	Ratio	Lower	Upper
284	100		
142	34.2	27.1	40.7
249	31.3	25.1	37.7



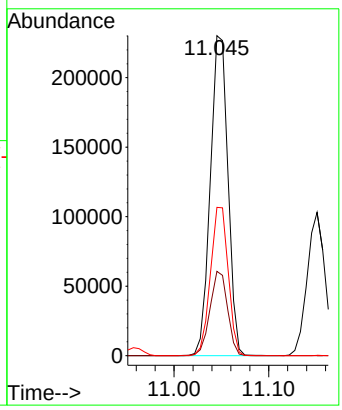


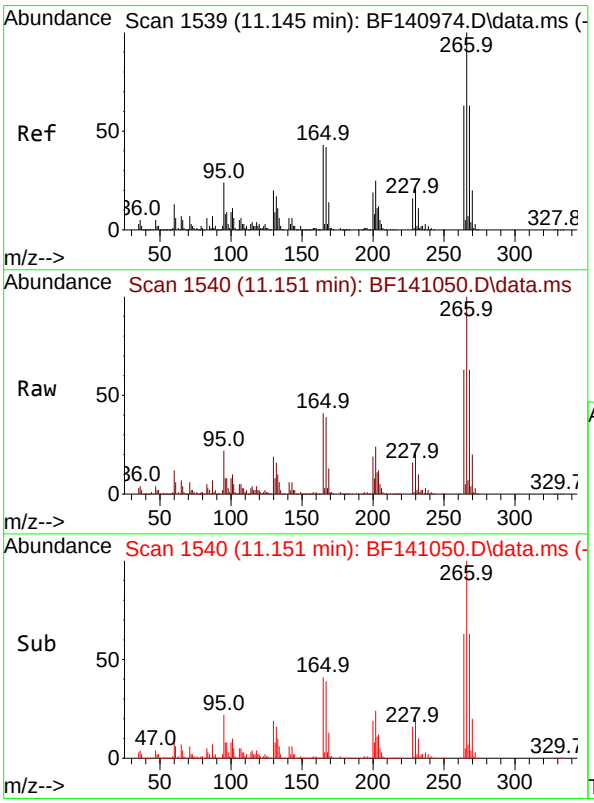
#69
Atrazine
Concen: 40.574 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:200 Resp: 298407

Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.4	46.4
215	46.4	27.2	67.2

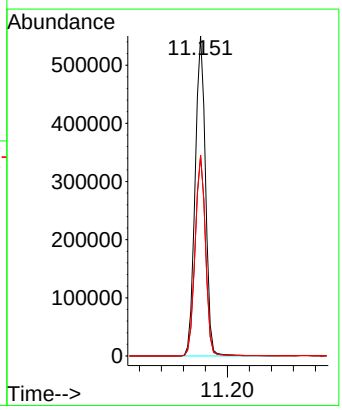


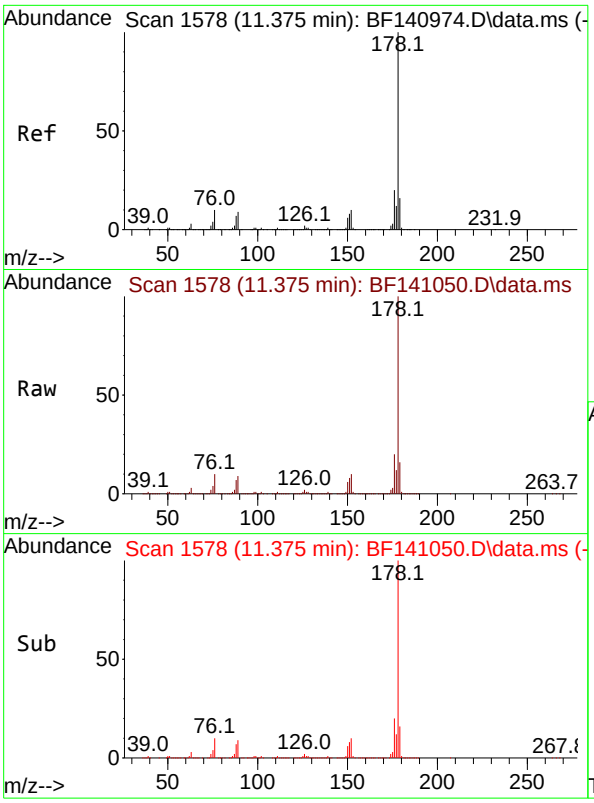


#70
Pentachlorophenol
Concen: 116.419 ng
RT: 11.151 min Scan# 1540
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:266 Resp: 722306

Ion	Ratio	Lower	Upper
266	100		
268	62.6	50.5	75.7
264	62.8	50.2	75.4



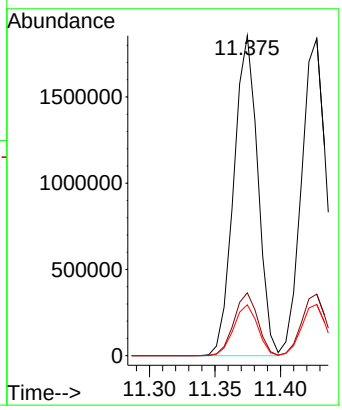


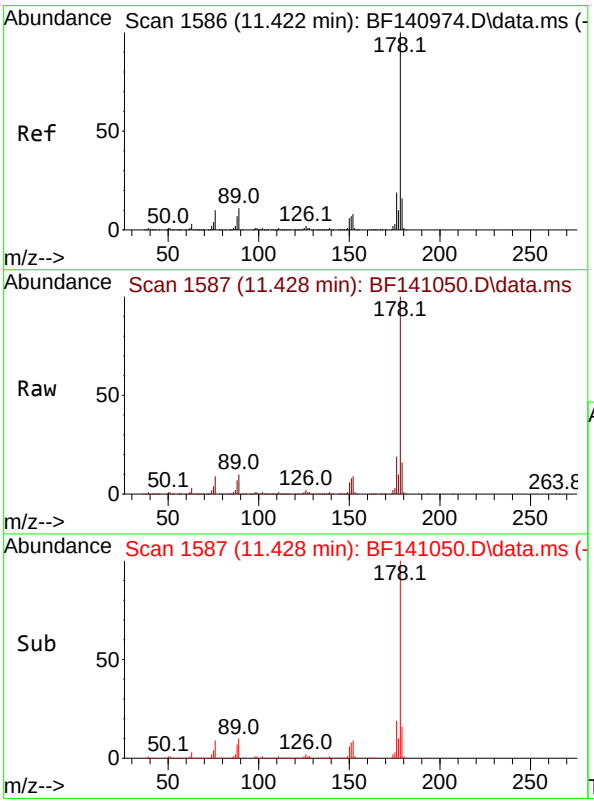
#71
Phenanthrene
Concen: 53.762 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:178 Resp: 2365531

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	15.9	12.6	19.0

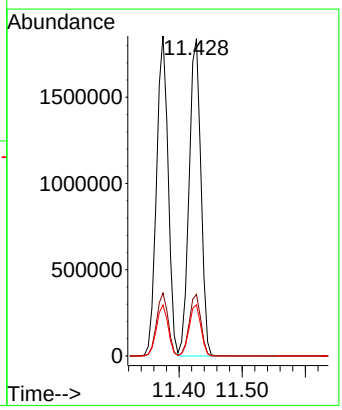


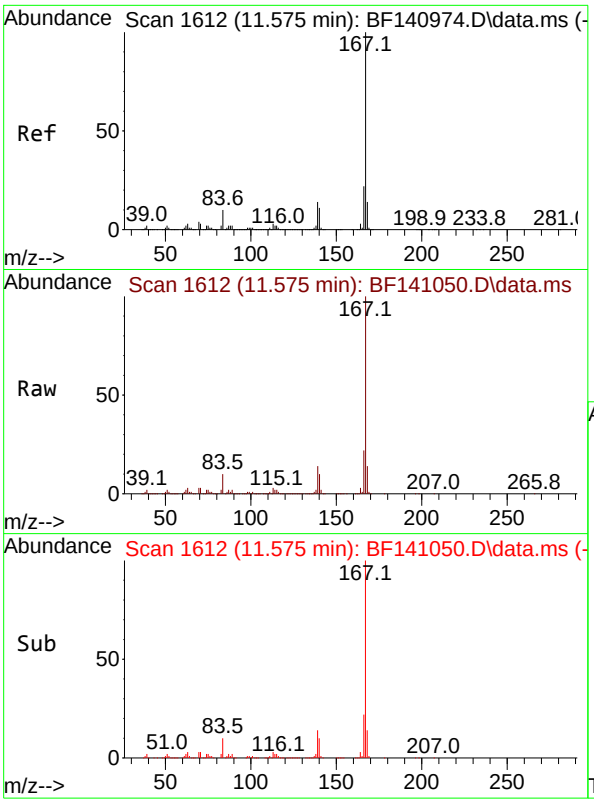


#72
Anthracene
Concen: 55.270 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:178 Resp: 2382942

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	16.2	12.9	19.3



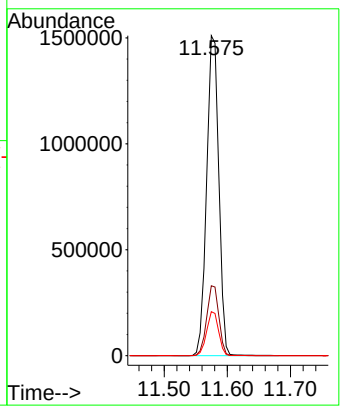


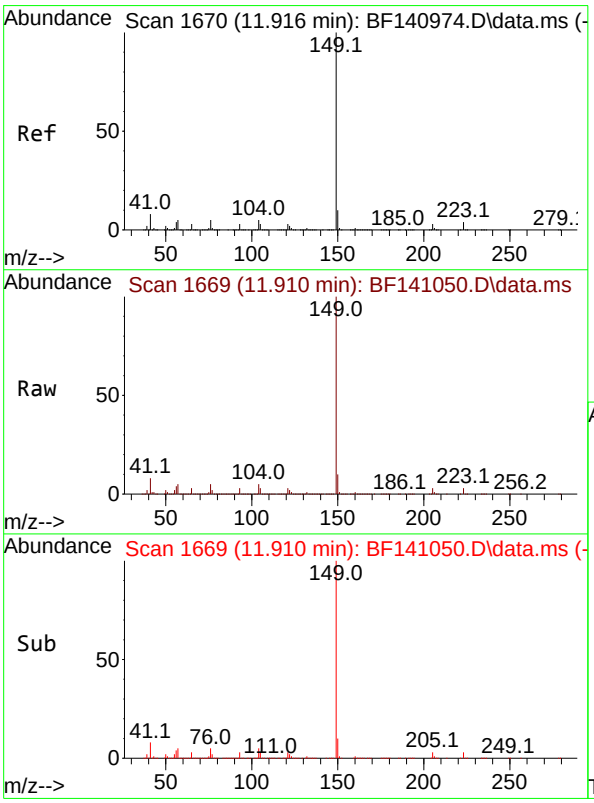
#73
Carbazole
Concen: 48.920 ng
RT: 11.575 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:167 Resp: 2027569

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.5	26.3
139	13.8	11.0	16.4

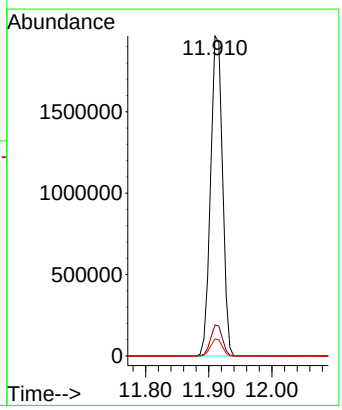


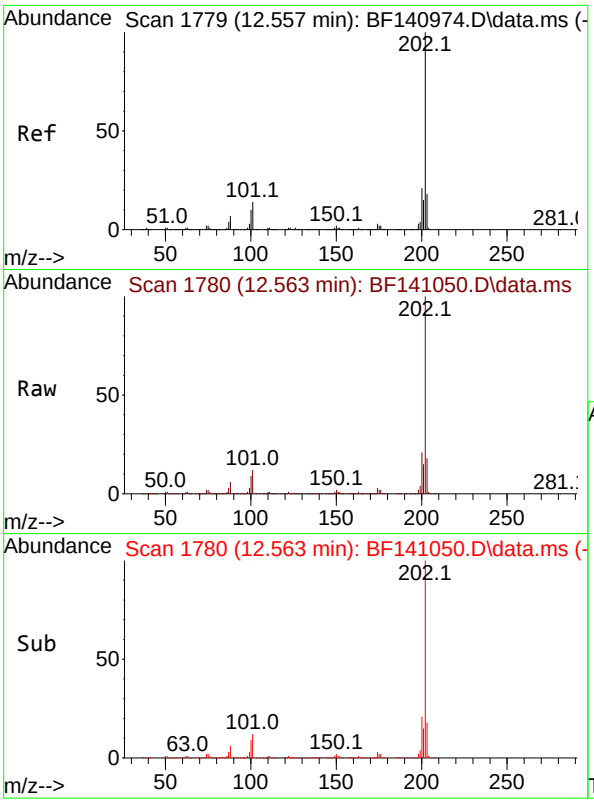


#74
Di-n-butylphthalate
Concen: 54.661 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:149 Resp: 2576813

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.3	4.1	6.1



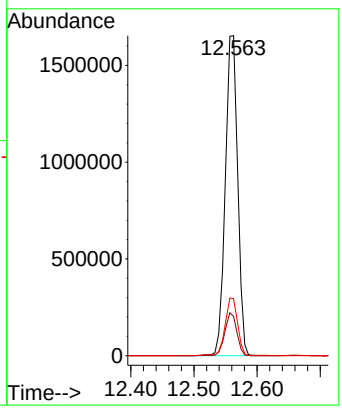


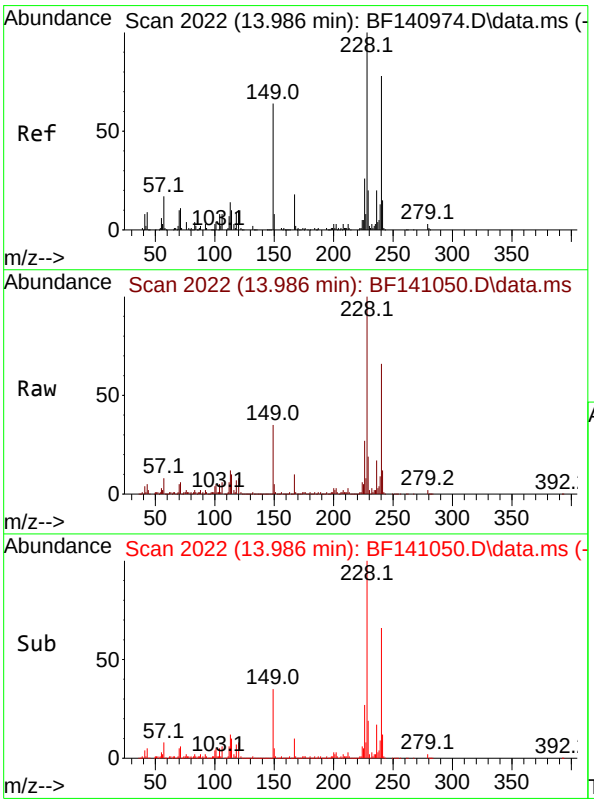
#75
Fluoranthene
Concen: 47.295 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:202 Resp: 2256974

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.7
203	17.9	0.0	38.1

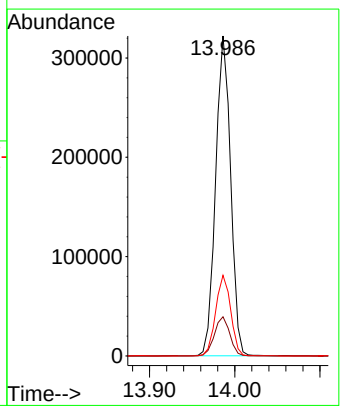


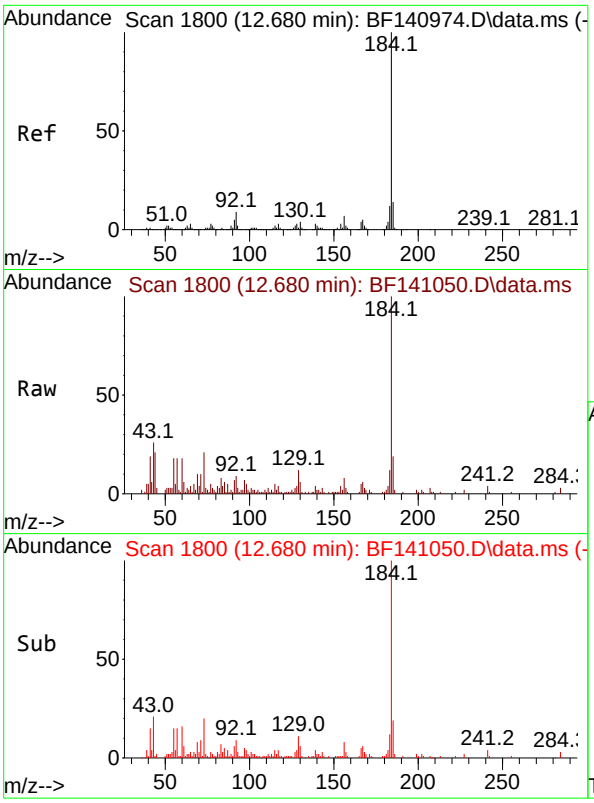


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:240 Resp: 393323

Ion	Ratio	Lower	Upper
240	100		
120	12.3	10.7	16.1
236	25.2	20.6	31.0



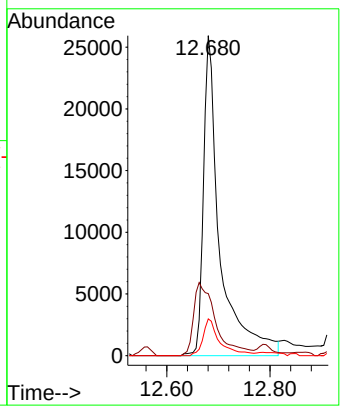


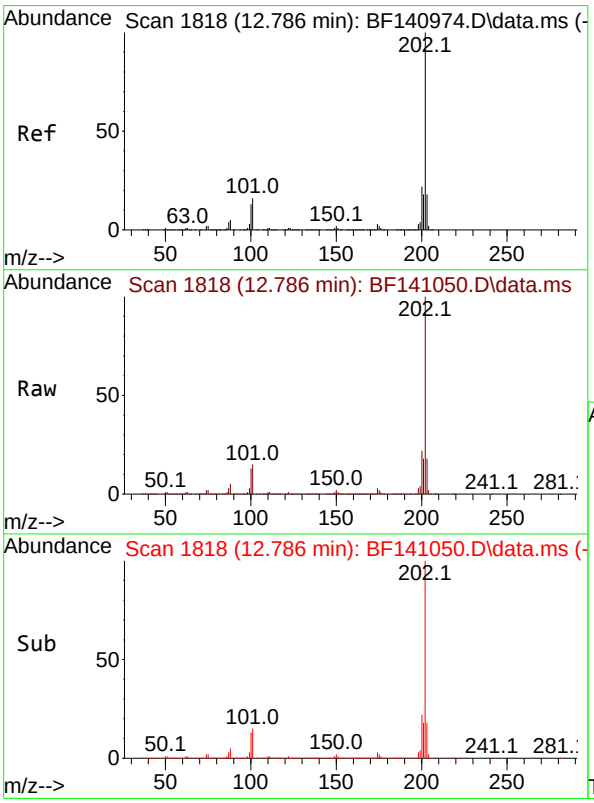
#77
Benzidine
Concen: 6.922 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:184 Resp: 57535

Ion	Ratio	Lower	Upper
184	100		
185	19.4	11.4	17.2#
183	11.5	9.4	14.0

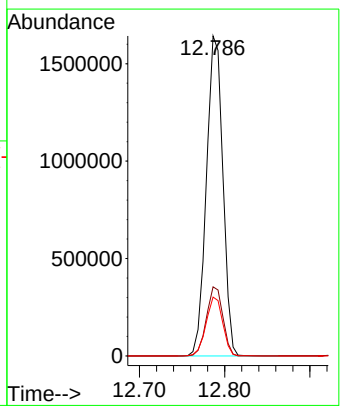


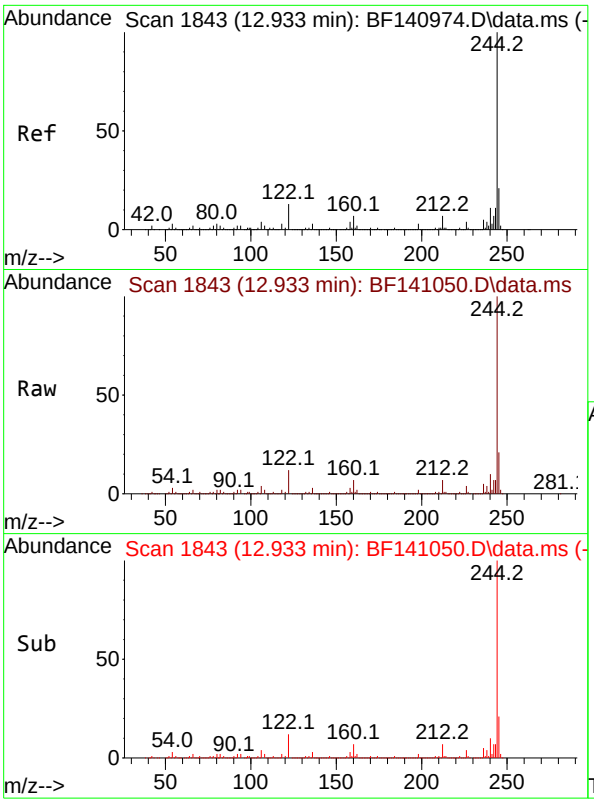


#78
Pyrene
Concen: 64.070 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:202 Resp: 2203962

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.4	14.6	21.8



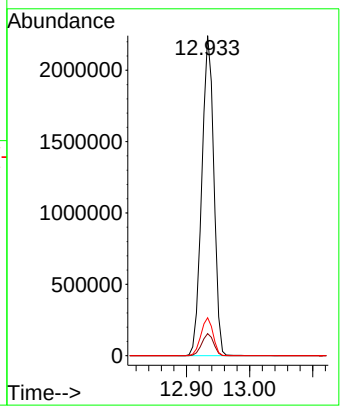


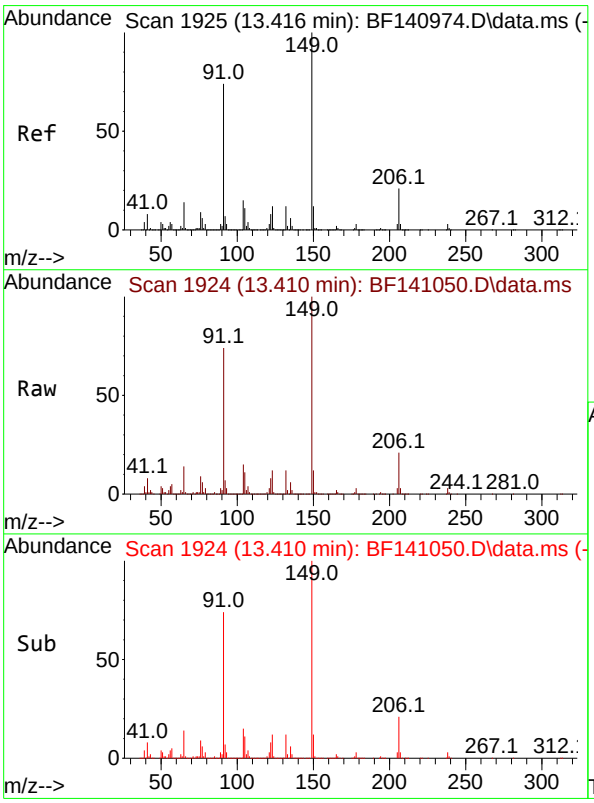
#79
Terphenyl-d14
Concen: 125.649 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:244 Resp: 2975359

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	11.9	10.2	15.2

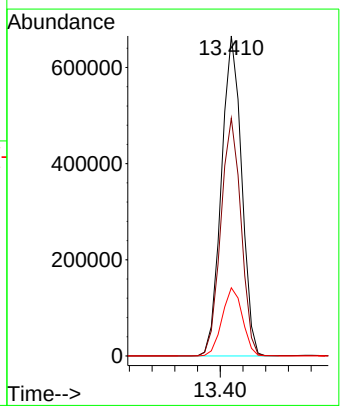


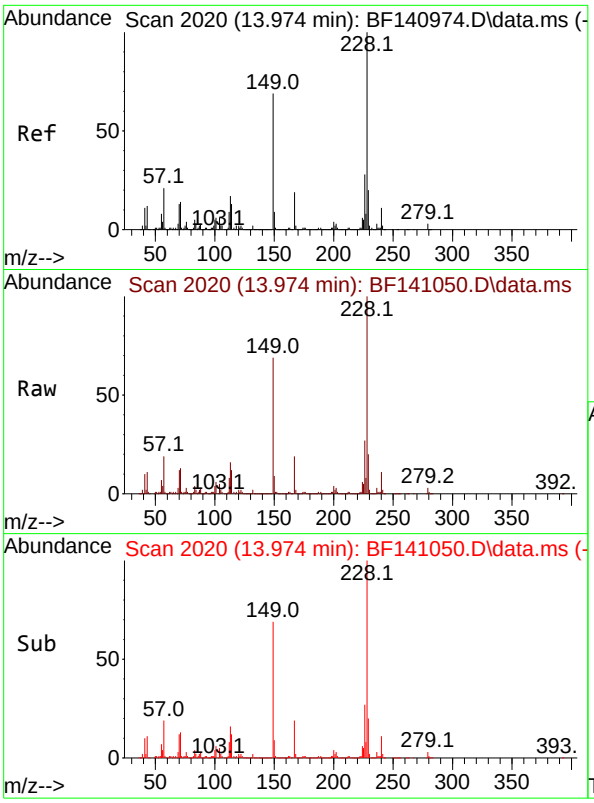


#80
Butylbenzylphthalate
Concen: 65.596 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:149 Resp: 823945

Ion	Ratio	Lower	Upper
149	100		
91	74.3	59.5	89.3
206	21.3	17.1	25.7



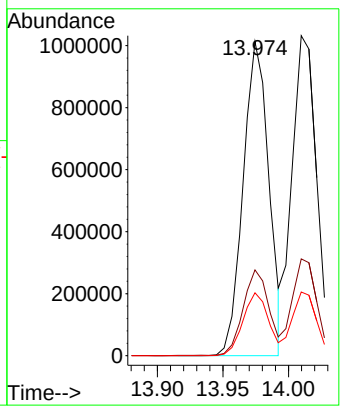


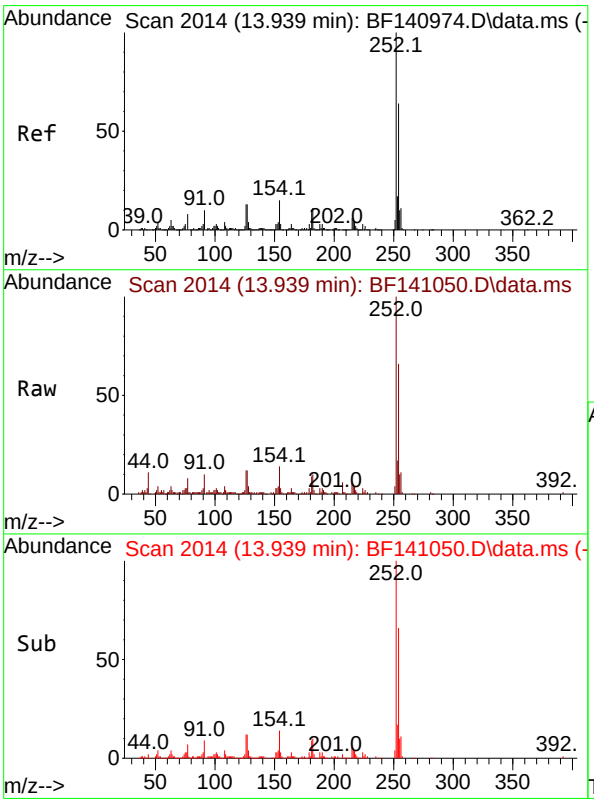
#81
Benzo(a)anthracene
Concen: 50.400 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:228 Resp: 1381591

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	20.0	16.2	24.2

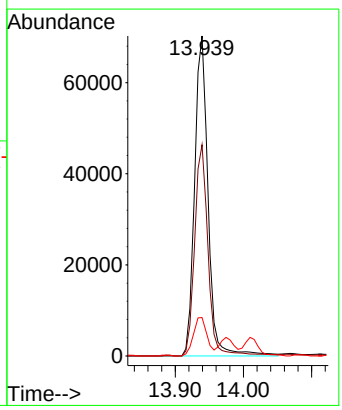


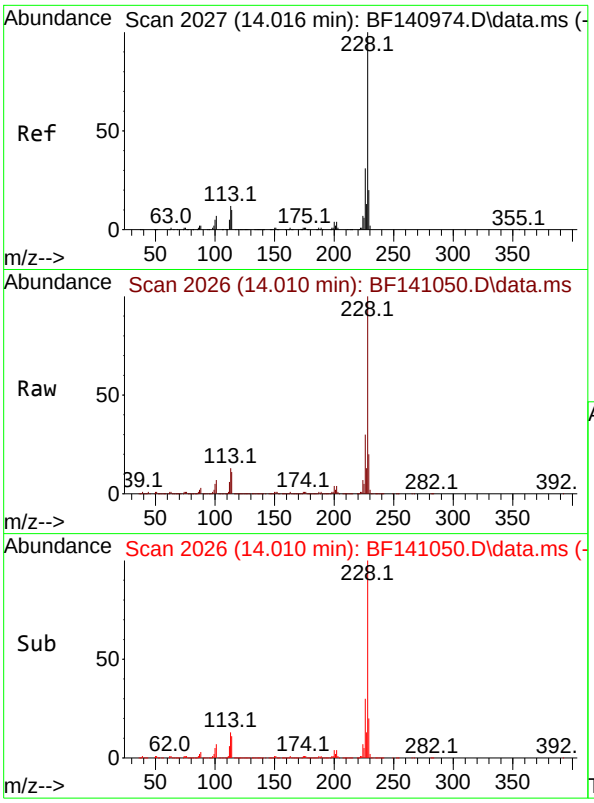


#82
3,3'-Dichlorobenzidine
Concen: 11.707 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:252 Resp: 96417

Ion	Ratio	Lower	Upper
252	100		
254	66.0	51.5	77.3
126	12.0	10.3	15.5



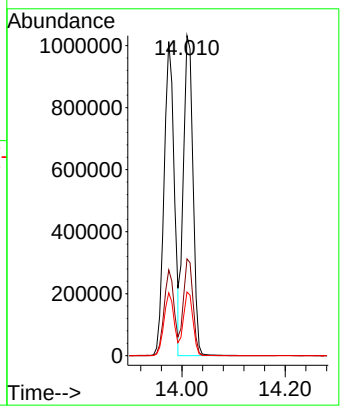


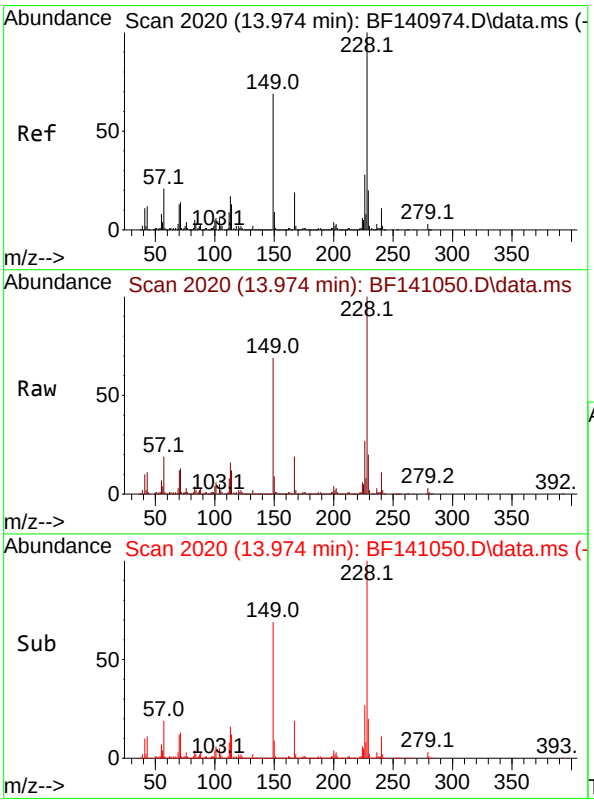
#83
Chrysene
Concen: 54.275 ng
RT: 14.010 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:228 Resp: 1341215

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	19.9	16.2	24.4

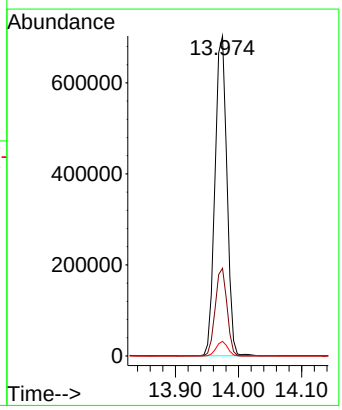


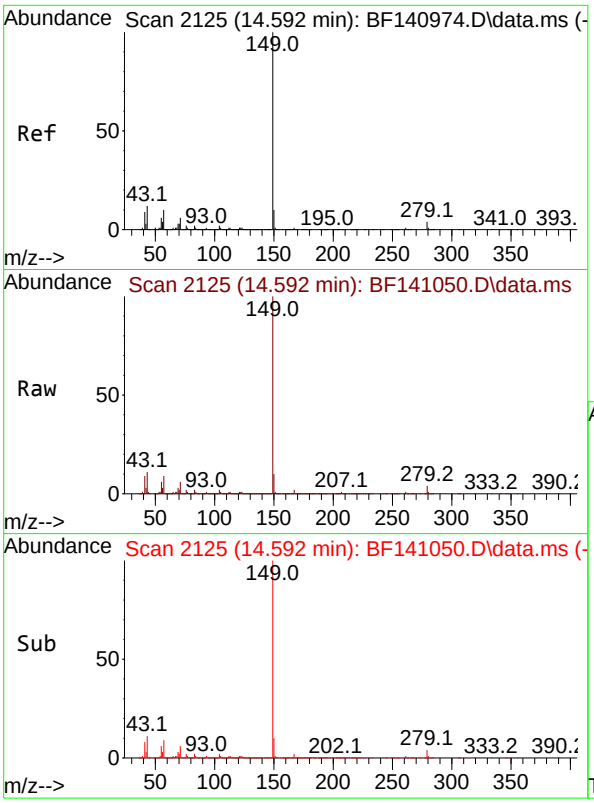


#84
Bis(2-ethylhexyl)phthalate
Concen: 56.385 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:149 Resp: 918706

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.6	32.4
279	4.6	3.2	4.8



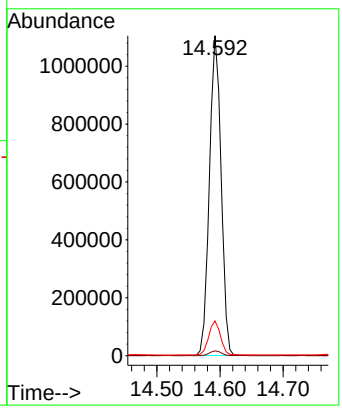


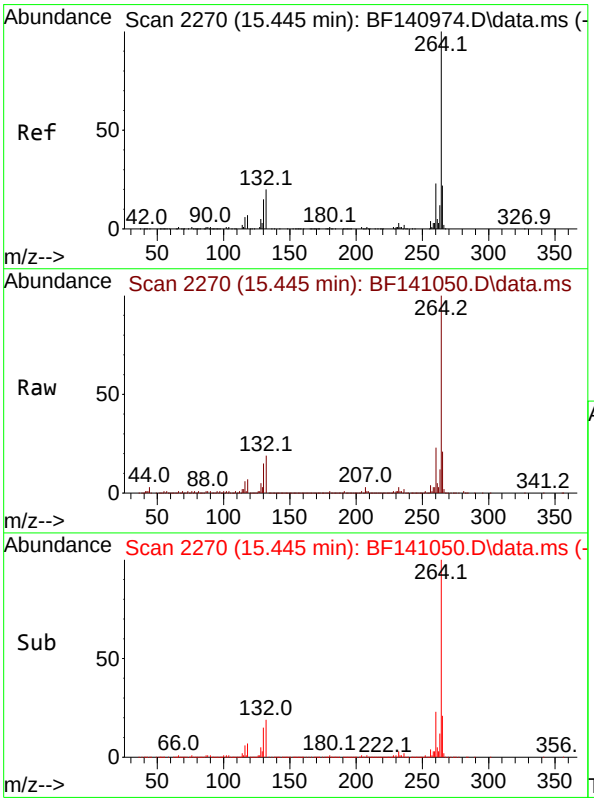
#85
Di-n-octyl phthalate
Concen: 60.294 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:149 Resp: 1421857

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.6	9.3	13.9

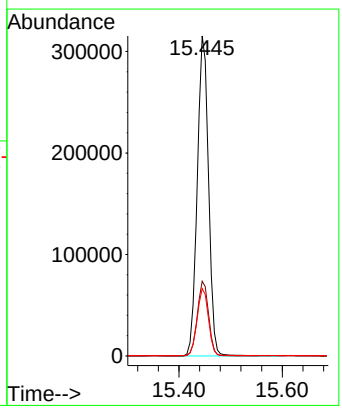


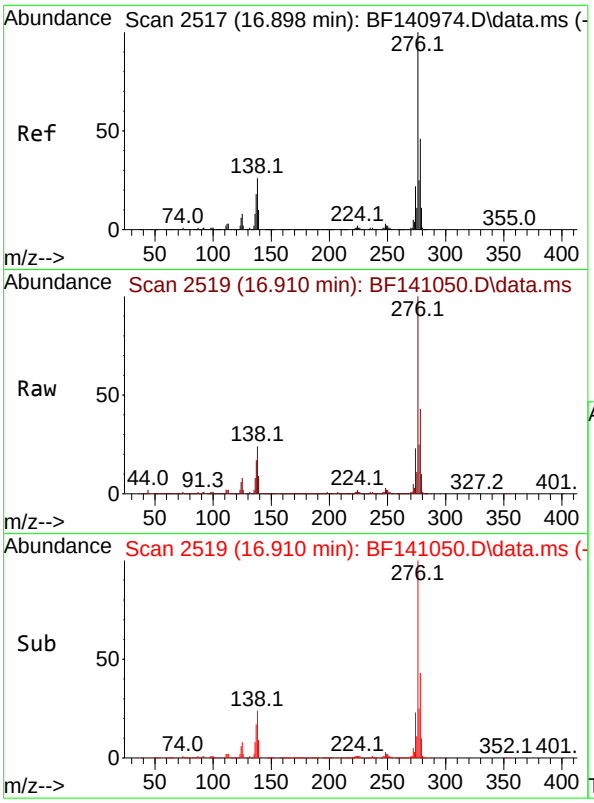


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:264 Resp: 476566

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.1	17.4	26.2



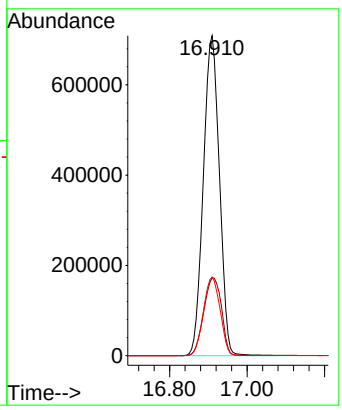


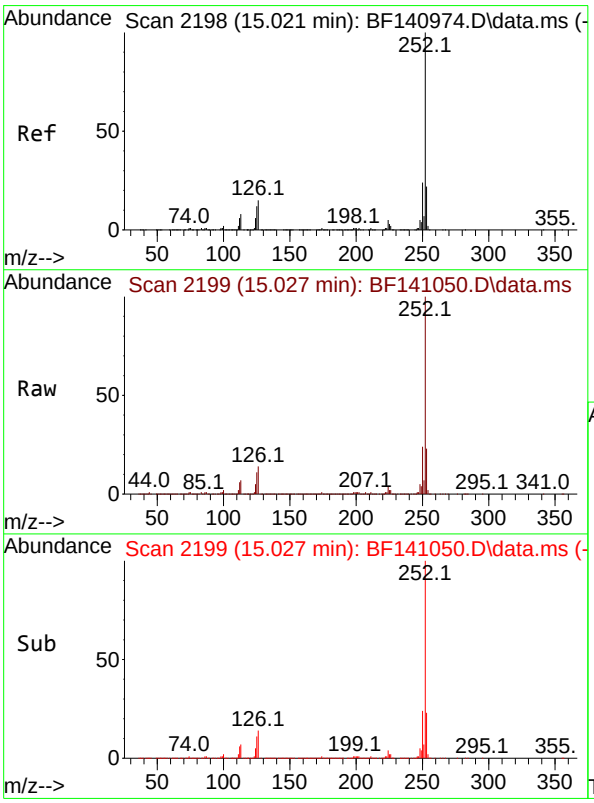
#87
Indeno(1,2,3-cd)pyrene
Concen: 68.008 ng
RT: 16.910 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:276 Resp: 2041908

Ion	Ratio	Lower	Upper
276	100		
138	26.8	23.1	34.7
277	25.6	20.4	30.6

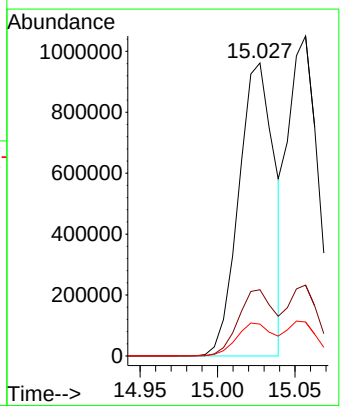


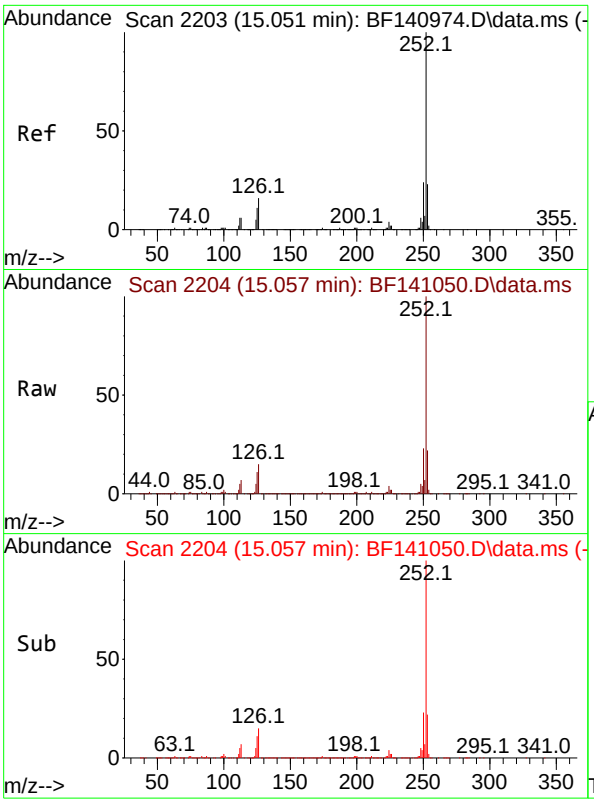


#88
Benzo(b)fluoranthene
Concen: 46.138 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:252 Resp: 1533522

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	10.9	9.3	13.9



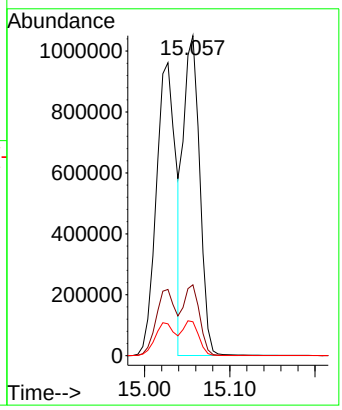


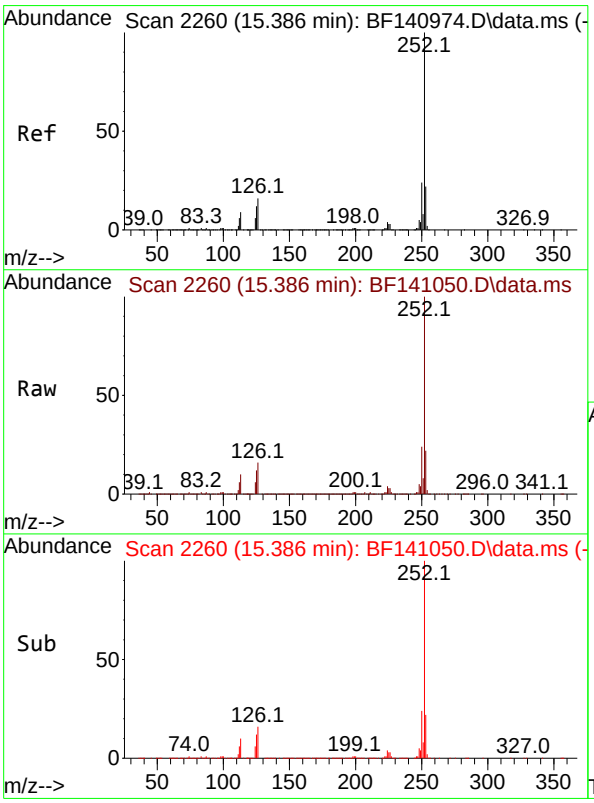
#89
Benzo(k)fluoranthene
Concen: 53.469 ng
RT: 15.057 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:252 Resp: 1392896

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.6	9.4	14.0

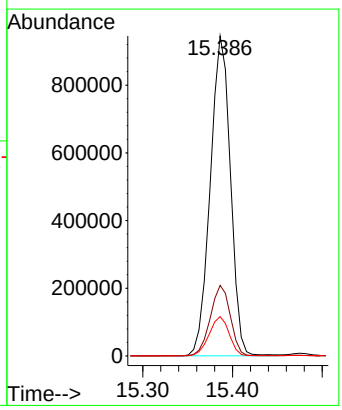


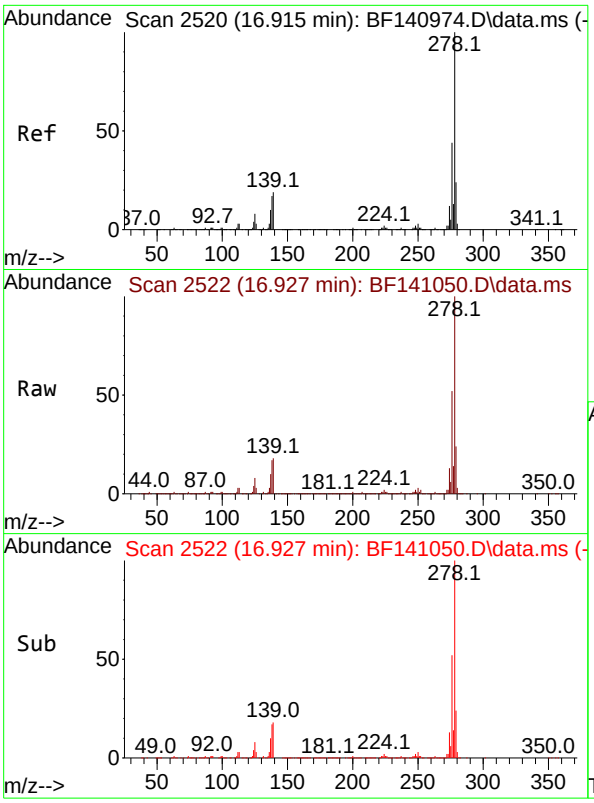


#90
Benzo(a)pyrene
Concen: 57.172 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:252 Resp: 1474947

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.3	9.8	14.8



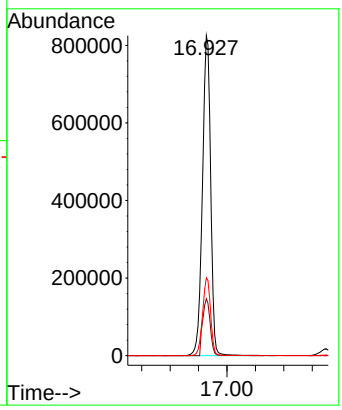


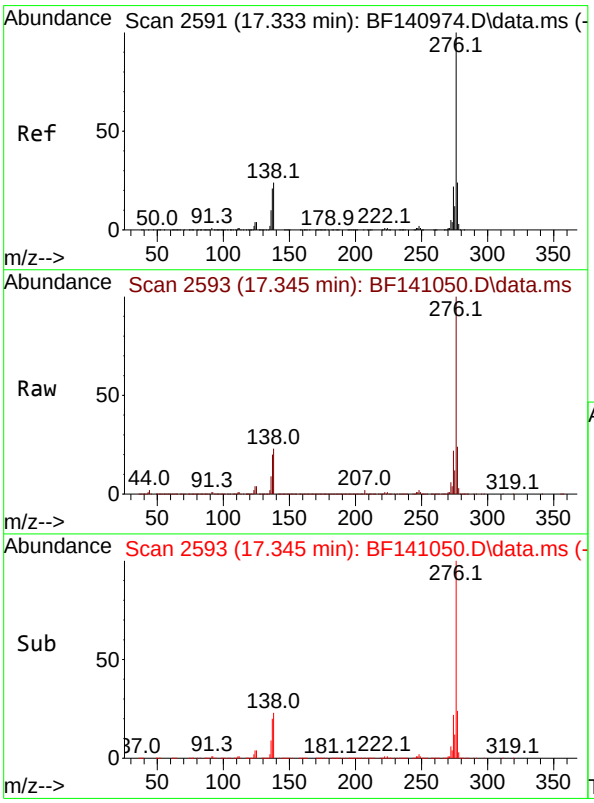
#91
Dibenzo(a,h)anthracene
Concen: 68.084 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:278 Resp: 1657060

Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.9	22.3
279	24.3	19.0	28.6

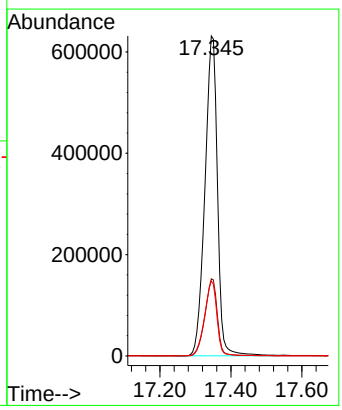




#92
Benzo(g,h,i)perylene
Concen: 61.533 ng
RT: 17.345 min Scan# 2593
Delta R.T. 0.012 min
Lab File: BF141050.D
Acq: 31 Dec 2024 11:23

Tgt Ion:276 Resp: 1553299

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	23.4	19.4	29.2



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141051.D
Acq On : 31 Dec 2024 11:49
Operator : RC/JU
Sample : P5362-02MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Quant Time: Dec 31 12:24:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.828	152	232407	20.000	ng		0.00
21) Naphthalene-d8	8.110	136	925099	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	503882	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	849705	20.000	ng		0.00
76) Chrysene-d12	13.986	240	416215	20.000	ng		0.00
86) Perylene-d12	15.439	264	472841	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.457	112	2232244	144.782	ng		0.02
7) Phenol-d6	6.457	99	2798607	140.905	ng		0.00
23) Nitrobenzene-d5	7.393	82	1830790	126.614	ng		0.00
42) 2,4,6-Tribromophenol	10.651	330	902078	184.238	ng		0.00
45) 2-Fluorobiphenyl	9.187	172	3174486	100.375	ng		0.00
79) Terphenyl-d14	12.933	244	3052555	121.819	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.757	88	301805	43.237	ng	#	84
3) Pyridine	3.463	79	525609	30.812	ng		99
4) n-Nitrosodimethylamine	3.393	42	404046	46.747	ng		98
6) Aniline	6.493	93	313867	17.719	ng		96
8) 2-Chlorophenol	6.616	128	856828	52.711	ng		96
9) Benzaldehyde	6.381	77	15069	Below Cal			99
10) Phenol	6.475	94	994035	48.401	ng		99
11) bis(2-Chloroethyl)ether	6.569	93	791469	47.729	ng		97
12) 1,3-Dichlorobenzene	6.769	146	845122	47.109	ng		100
13) 1,4-Dichlorobenzene	6.845	146	855568	47.309	ng		99
14) 1,2-Dichlorobenzene	6.998	146	821715	48.733	ng		99
15) Benzyl Alcohol	6.969	79	713963	50.023	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1231138	49.092	ng		99
17) 2-Methylphenol	7.081	107	691685	51.219	ng		99
18) Hexachloroethane	7.345	117	315734	49.147	ng		98
19) n-Nitroso-di-n-propyla...	7.245	70	598936	49.223	ng		99
20) 3+4-Methylphenols	7.234	107	847125	49.570	ng	#	85
22) Acetophenone	7.240	105	1093369	48.179	ng		98
24) Nitrobenzene	7.410	77	884486	54.743	ng		96
25) Isophorone	7.651	82	1611721	51.223	ng		100
26) 2-Nitrophenol	7.728	139	438453	64.206	ng		98
27) 2,4-Dimethylphenol	7.757	122	700554	60.921	ng		99
28) bis(2-Chloroethoxy)met...	7.863	93	987760	49.547	ng		100
29) 2,4-Dichlorophenol	7.963	162	694221	53.229	ng		99
30) 1,2,4-Trichlorobenzene	8.051	180	718917	48.702	ng		99
31) Naphthalene	8.134	128	2349067	48.189	ng		100
32) Benzoic acid	7.875	122	547658	56.289	ng		97
33) 4-Chloroaniline	8.175	127	72192	4.094	ng		99
34) Hexachlorobutadiene	8.251	225	426348	48.992	ng		100
35) Caprolactam	8.539	113	125240	28.247	ng		98
36) 4-Chloro-3-methylphenol	8.657	107	760877	52.532	ng		99
37) 2-Methylnaphthalene	8.822	142	1569379	50.324	ng		100
38) 1-Methylnaphthalene	8.922	142	1473767	48.086	ng		100
40) 1,2,4,5-Tetrachloroben...	8.987	216	700190	50.510	ng		99
41) Hexachlorocyclopentadiene	8.975	237	837030	182.207	ng		99
43) 2,4,6-Trichlorophenol	9.098	196	516987	56.035	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141051.D
Acq On : 31 Dec 2024 11:49
Operator : RC/JU
Sample : P5362-02MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Quant Time: Dec 31 12:24:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

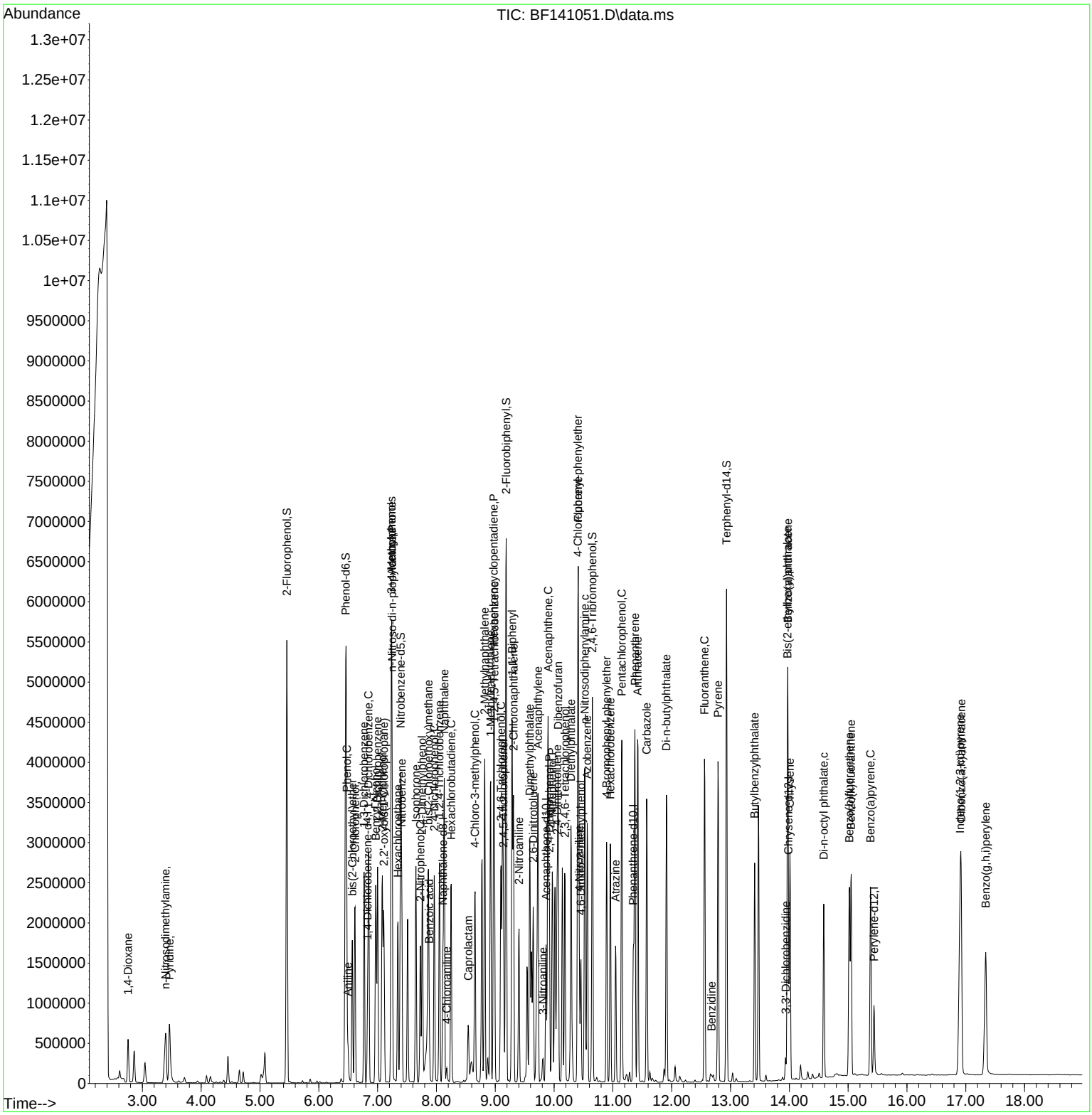
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	517247	54.792	ng		98
46) 1,1'-Biphenyl	9.287	154	1932118	50.078	ng		99
47) 2-Chloronaphthalene	9.310	162	1464242	48.934	ng		99
48) 2-Nitroaniline	9.404	65	460638	57.795	ng		92
49) Acenaphthylene	9.728	152	2262303	52.519	ng		99
50) Dimethylphthalate	9.586	163	1786357	53.897	ng		100
51) 2,6-Dinitrotoluene	9.645	165	395932	57.772	ng		96
52) Acenaphthene	9.898	154	1698760	58.334	ng		99
53) 3-Nitroaniline	9.810	138	65298	11.544	ng	#	95
54) 2,4-Dinitrophenol	9.922	184	446375	129.142	ng	#	1
55) Dibenzofuran	10.069	168	2073334	50.661	ng		99
56) 4-Nitrophenol	9.969	139	661085	116.604	ng		97
57) 2,4-Dinitrotoluene	10.051	165	542012	63.887	ng		95
58) Fluorene	10.410	166	1580114	49.790	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	462961	59.215	ng		97
60) Diethylphthalate	10.286	149	1712441	52.335	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	773442	50.650	ng		98
62) 4-Nitroaniline	10.428	138	328695	44.986	ng		94
63) Azobenzene	10.563	77	1711084	49.822	ng		99
65) 4,6-Dinitro-2-methylph...	10.457	198	293693	79.159	ng		92
66) n-Nitrosodiphenylamine	10.522	169	1374523	51.370	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	515279	56.097	ng		98
68) Hexachlorobenzene	10.957	284	560058	55.296	ng		99
69) Atrazine	11.045	200	283213	37.888	ng		99
70) Pentachlorophenol	11.151	266	714191	113.255	ng		99
71) Phenanthrene	11.375	178	2330937	52.122	ng		100
72) Anthracene	11.422	178	2382528	54.370	ng		100
73) Carbazole	11.575	167	1997834	47.426	ng		100
74) Di-n-butylphthalate	11.910	149	2541145	53.036	ng		100
75) Fluoranthene	12.557	202	2282314	47.056	ng		99
77) Benzidine	12.680	184	44837	5.097	ng		97
78) Pyrene	12.786	202	2253520	61.908	ng		100
80) Butylbenzylphthalate	13.410	149	842846	63.410	ng		99
81) Benzo(a)anthracene	13.974	228	1407543	48.523	ng		100
82) 3,3'-Dichlorobenzidine	13.939	252	91490	10.498	ng		99
83) Chrysene	14.010	228	1343766	51.388	ng		99
84) Bis(2-ethylhexyl)phtha...	13.969	149	931448	54.023	ng		99
85) Di-n-octyl phthalate	14.586	149	1386309	55.553	ng		98
87) Indeno(1,2,3-cd)pyrene	16.904	276	1983646	66.588	ng		98
88) Benzo(b)fluoranthene	15.021	252	1491587	45.230	ng		99
89) Benzo(k)fluoranthene	15.051	252	1375012	53.198	ng		98
90) Benzo(a)pyrene	15.380	252	1441471	56.315	ng		99
91) Dibenzo(a,h)anthracene	16.921	278	1593652	65.995	ng		98
92) Benzo(g,h,i)perylene	17.339	276	1488983	59.450	ng		99

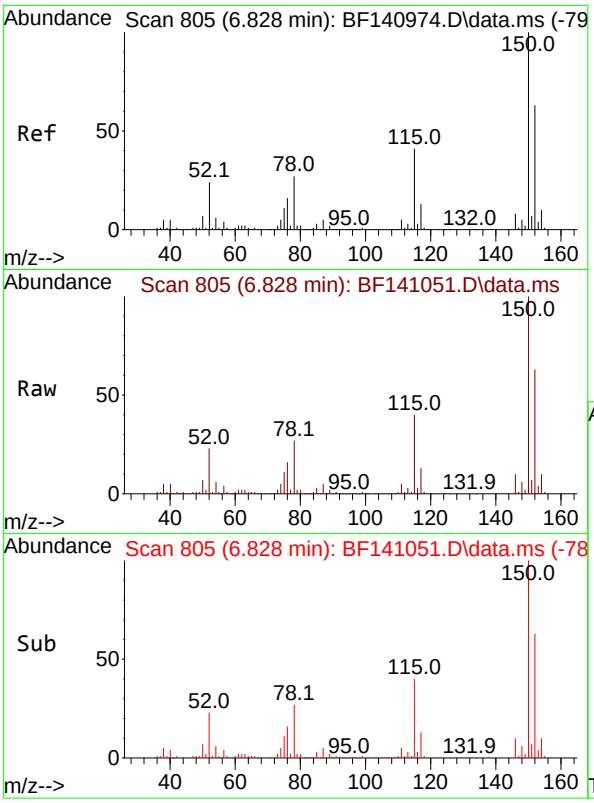
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141051.D
Acq On : 31 Dec 2024 11:49
Operator : RC/JU
Sample : P5362-02MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Quant Time: Dec 31 12:24:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



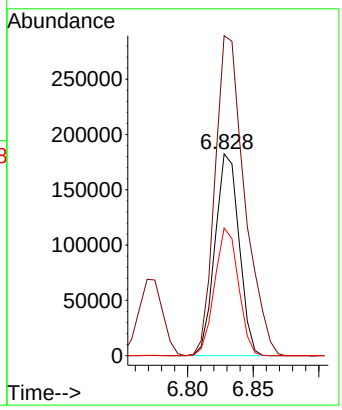


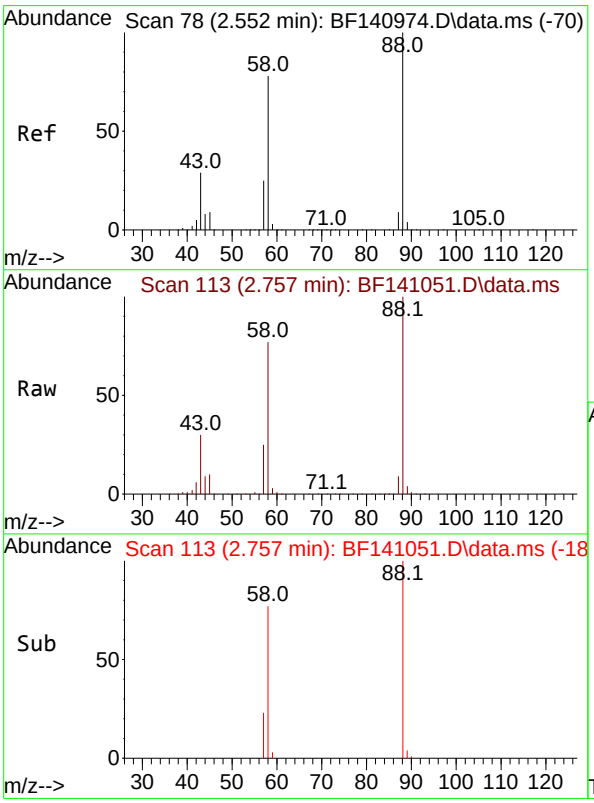
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:152 Resp: 232407

Ion	Ratio	Lower	Upper
152	100		
150	158.6	127.0	190.6
115	63.3	51.7	77.5

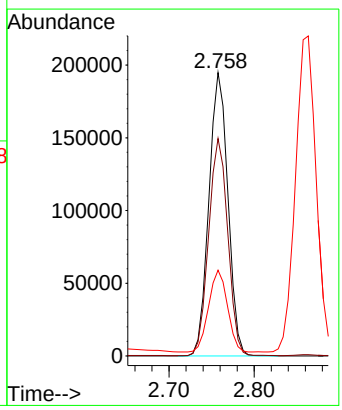


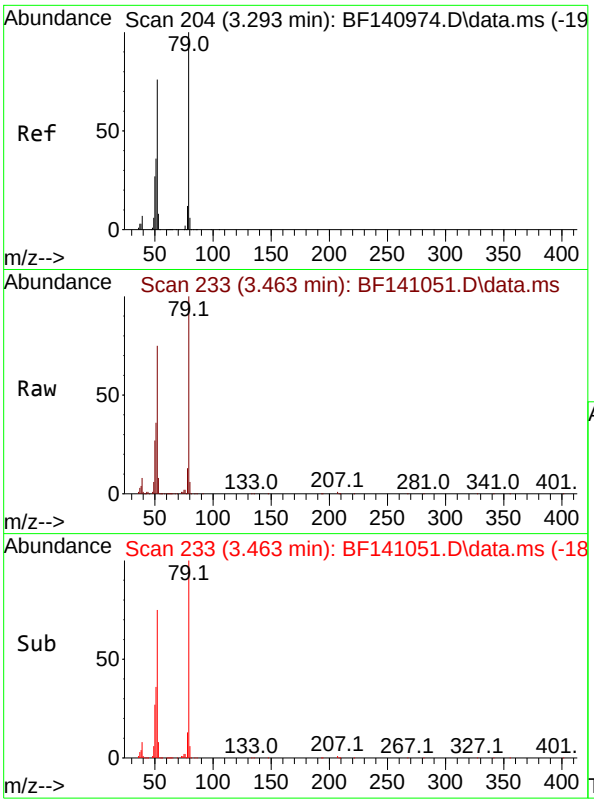


#2
1,4-Dioxane
Concen: 43.237 ng
RT: 2.757 min Scan# 113
Delta R.T. 0.206 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 88 Resp: 301805

Ion	Ratio	Lower	Upper
88	100		
58	77.1	63.0	94.4
43	0.0	23.4	35.2#



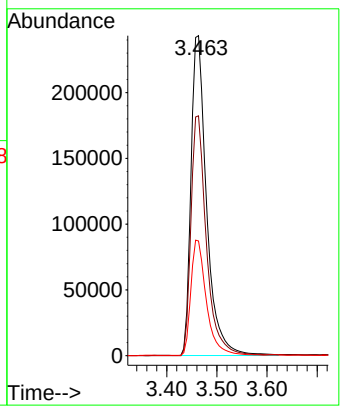


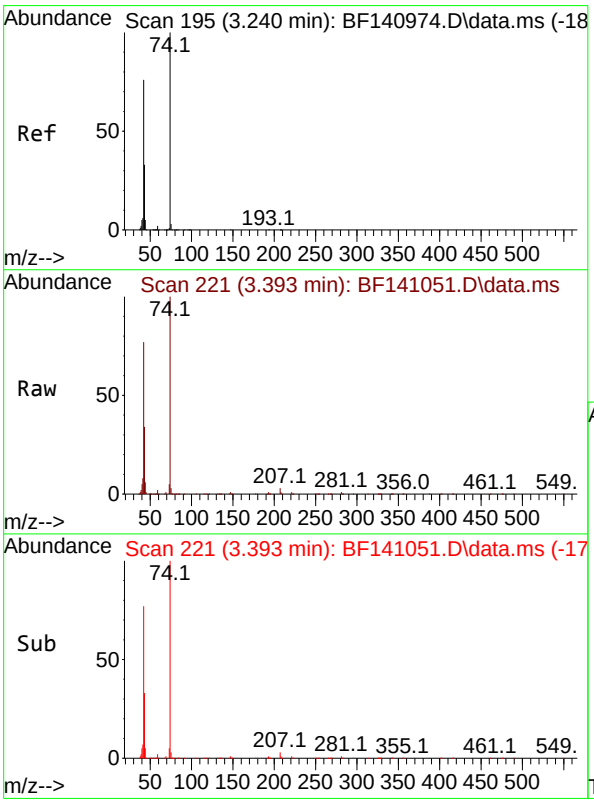
#3
Pyridine
Concen: 30.812 ng
RT: 3.463 min Scan# 2
Delta R.T. 0.171 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 79 Resp: 525609

Ion	Ratio	Lower	Upper
79	100		
52	75.0	60.4	90.6
51	35.9	28.8	43.2

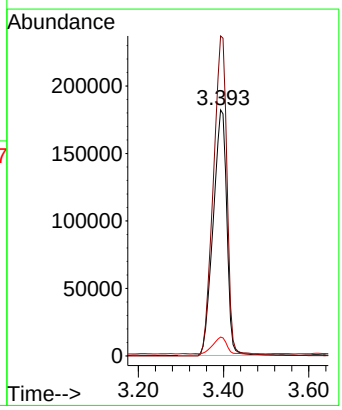


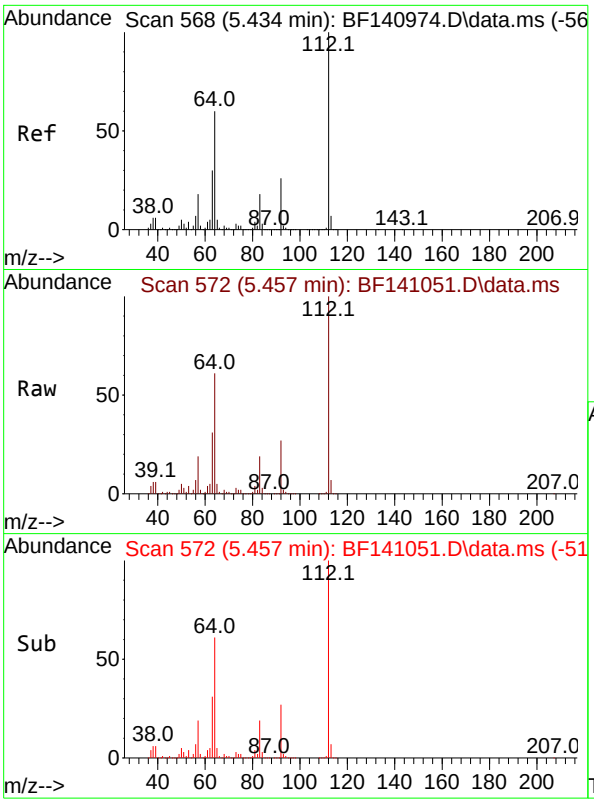


#4
n-Nitrosodimethylamine
Concen: 46.747 ng
RT: 3.393 min Scan# 221
Delta R.T. 0.153 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 42 Resp: 404046

Ion	Ratio	Lower	Upper
42	100		
74	130.0	105.8	158.6
44	7.7	6.6	10.0



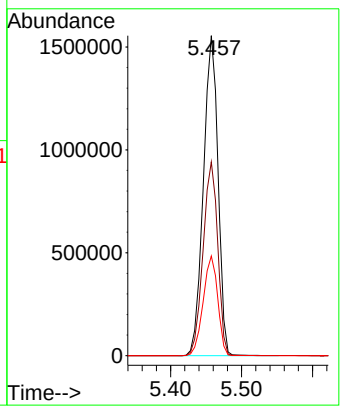


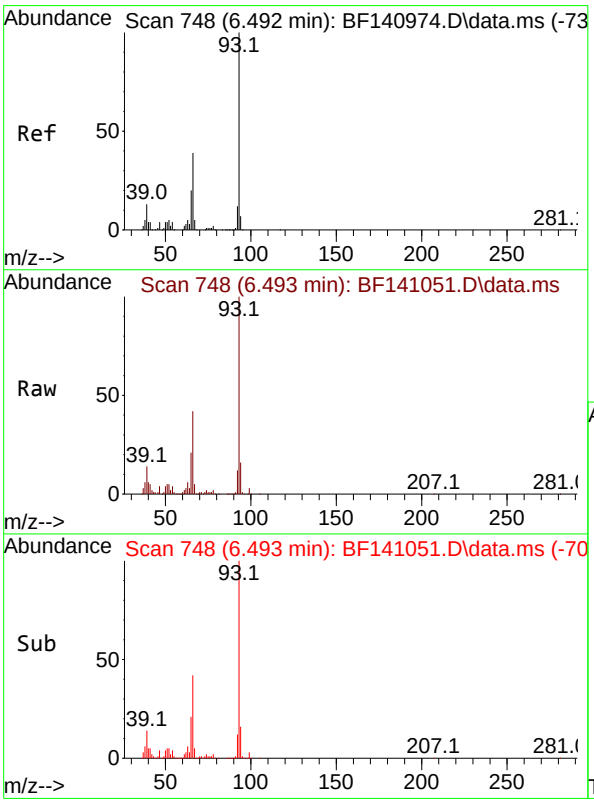
#5
2-Fluorophenol
Concen: 144.782 ng
RT: 5.457 min Scan# 5
Delta R.T. 0.024 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:112 Resp: 2232244

Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.7	71.5
63	31.1	24.2	36.2

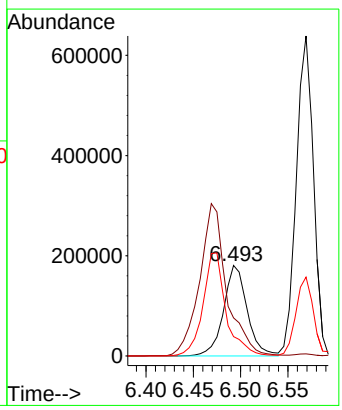


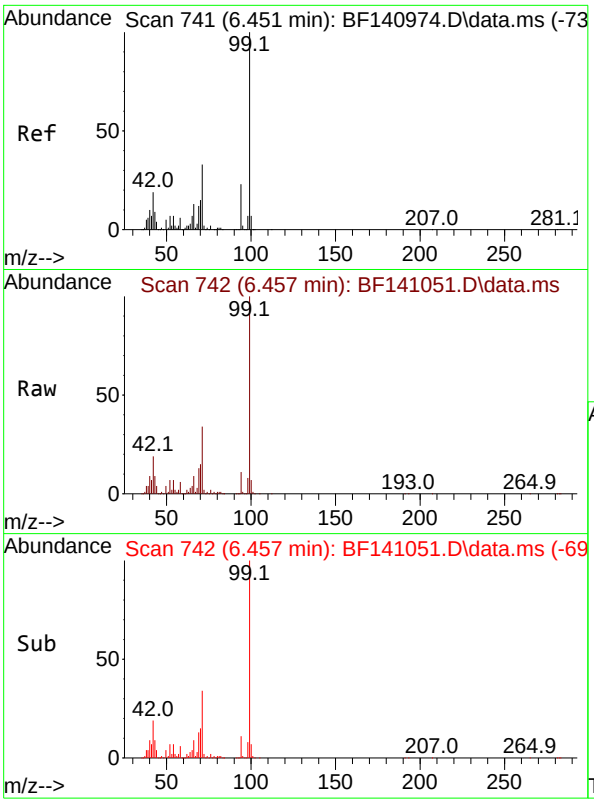


#6
Aniline
Concen: 17.719 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 93 Resp: 313867

Ion	Ratio	Lower	Upper
93	100		
66	42.1	31.8	47.8
65	21.4	15.4	23.0



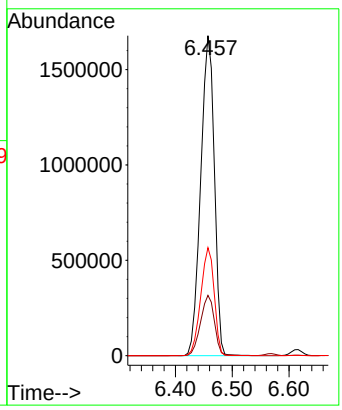


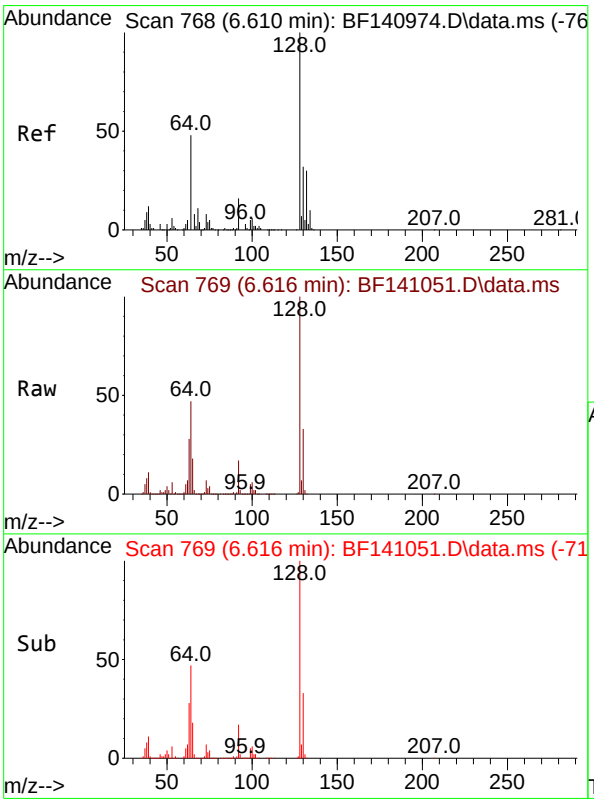
#7
Phenol-d6
Concen: 140.905 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 99 Resp: 2798607

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.0	22.4
71	33.8	26.2	39.2

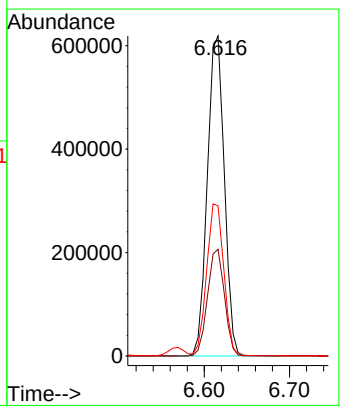


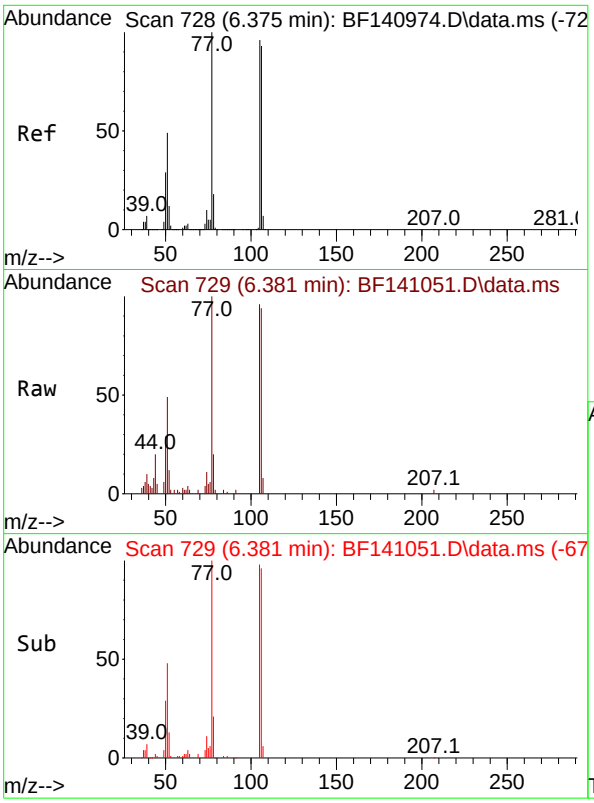


#8
2-Chlorophenol
Concen: 52.711 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:128 Resp: 856828

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.2	52.2
64	46.9	30.3	70.3



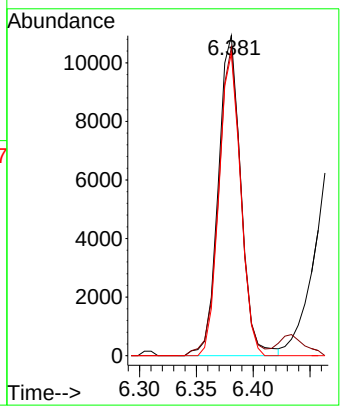


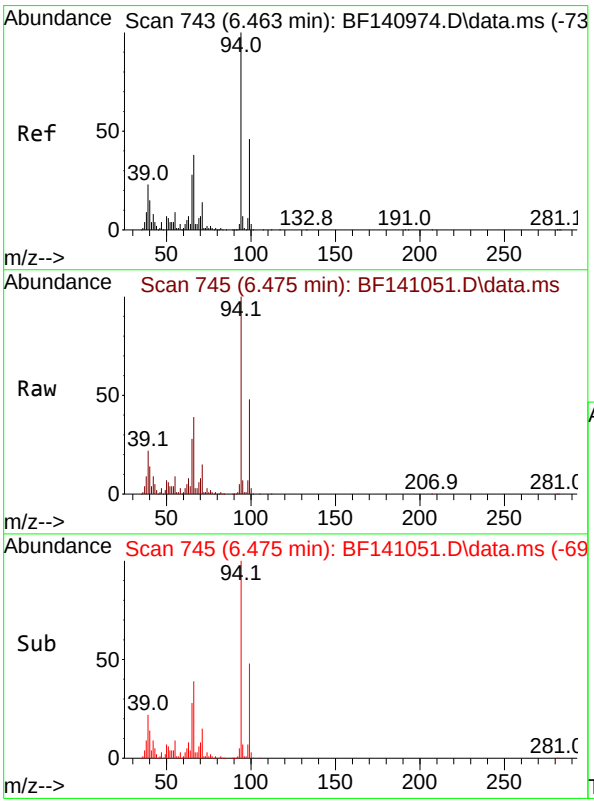
#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 77 Resp: 15069

Ion	Ratio	Lower	Upper
77	100		
105	96.3	76.2	116.2
106	94.4	73.4	113.4

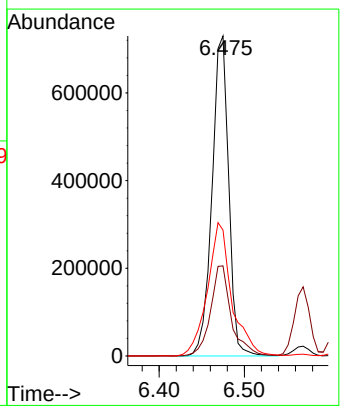


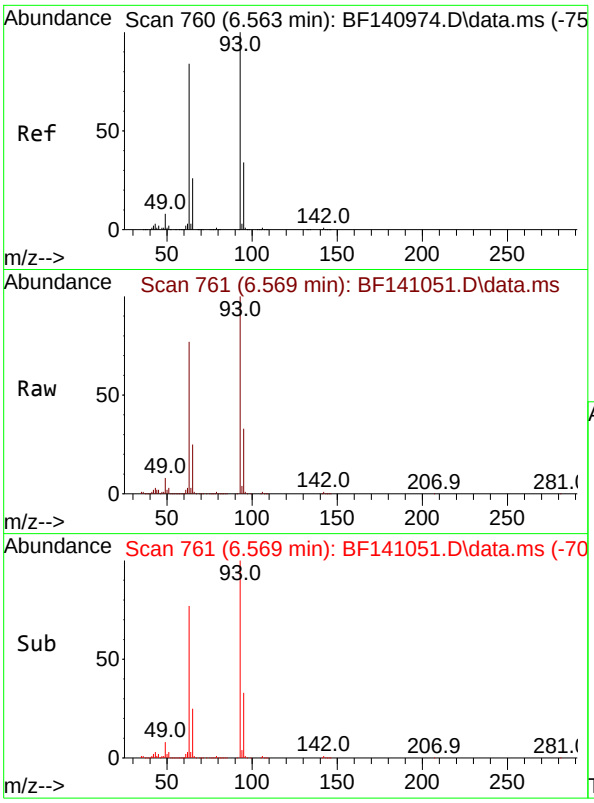


#10
Phenol
Concen: 48.401 ng
RT: 6.475 min Scan# 745
Delta R.T. 0.012 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 94 Resp: 994035

Ion	Ratio	Lower	Upper
94	100		
65	28.2	8.1	48.1
66	39.4	18.7	58.7



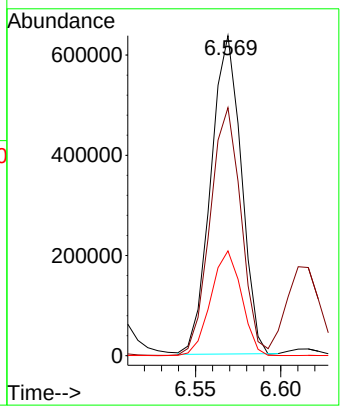


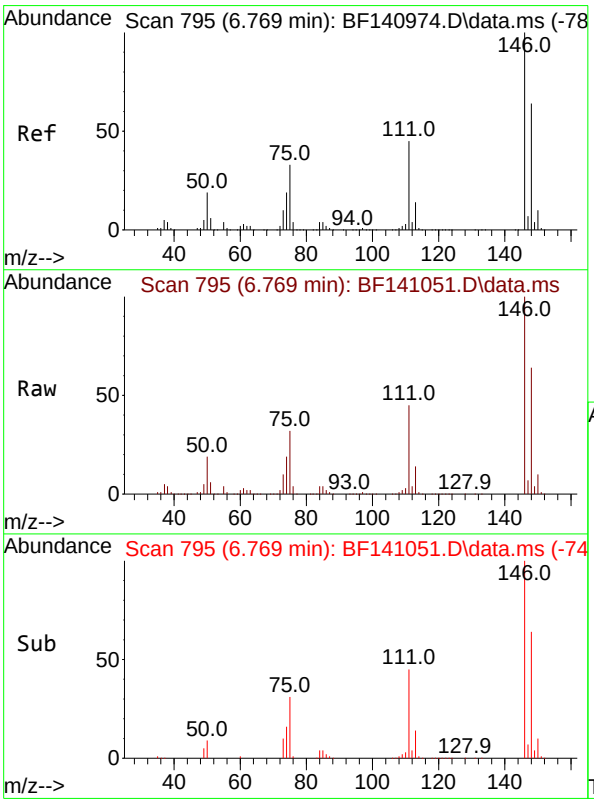
#11
bis(2-Chloroethyl)ether
Concen: 47.729 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 93 Resp: 791469

Ion	Ratio	Lower	Upper
93	100		
63	77.5	60.3	100.3
95	32.8	12.2	52.2

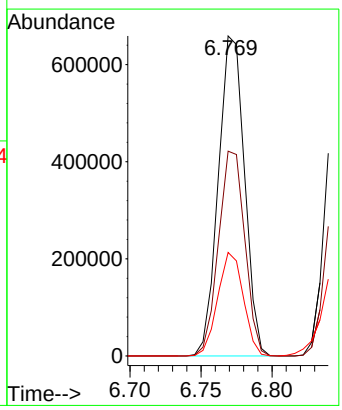


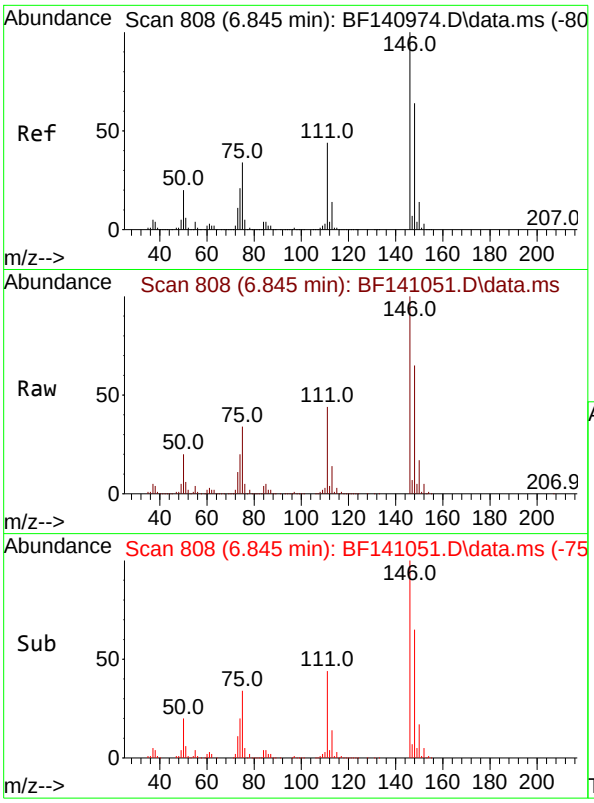


#12
1,3-Dichlorobenzene
Concen: 47.109 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:146 Resp: 845122

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
75	32.3	26.1	39.1



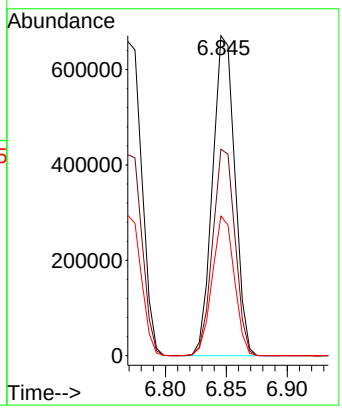


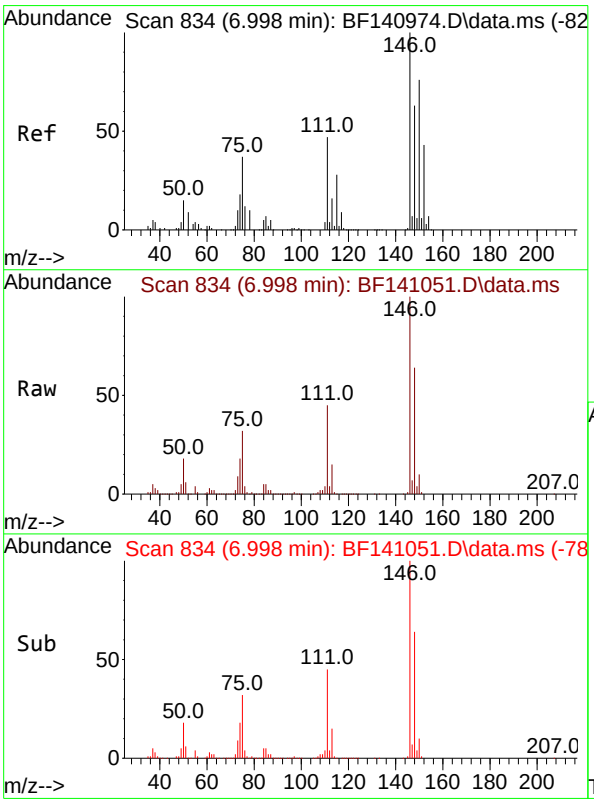
#13
1,4-Dichlorobenzene
Concen: 47.309 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:146 Resp: 855568

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.3	76.9
111	43.6	35.3	52.9

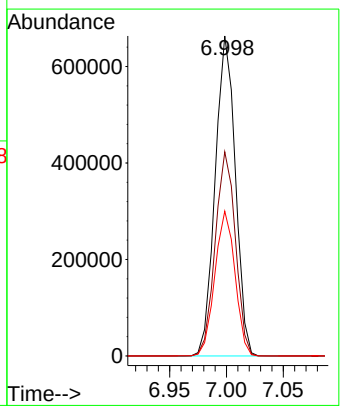


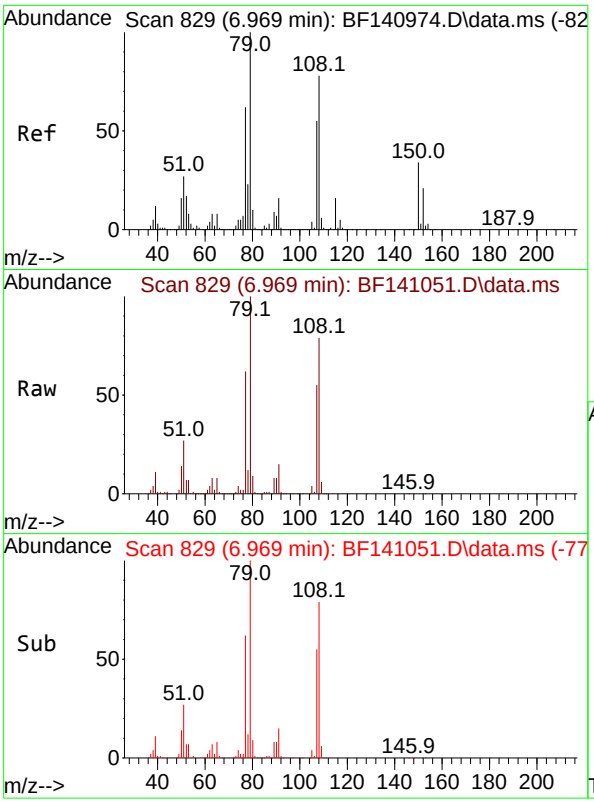


#14
1,2-Dichlorobenzene
Concen: 48.733 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:146 Resp: 821715

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.6	76.0
111	45.3	37.3	55.9



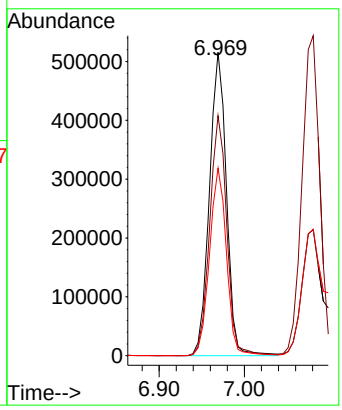


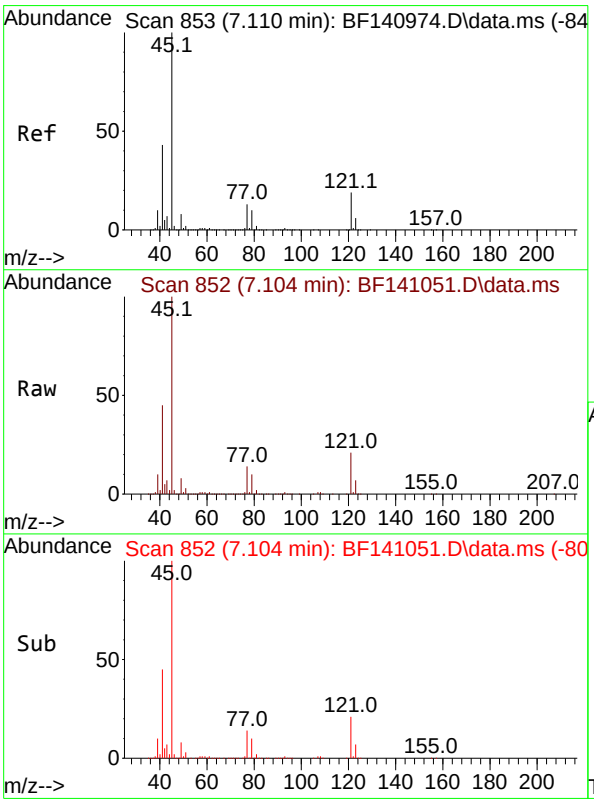
#15
Benzyl Alcohol
Concen: 50.023 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 79 Resp: 713963

Ion	Ratio	Lower	Upper
79	100		
108	79.1	62.5	93.7
77	61.8	49.3	73.9

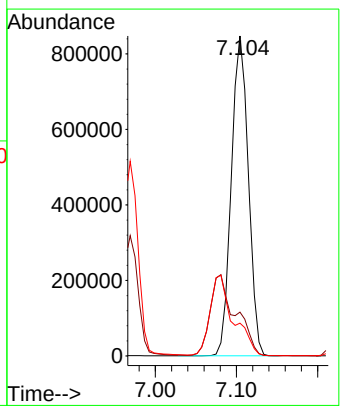


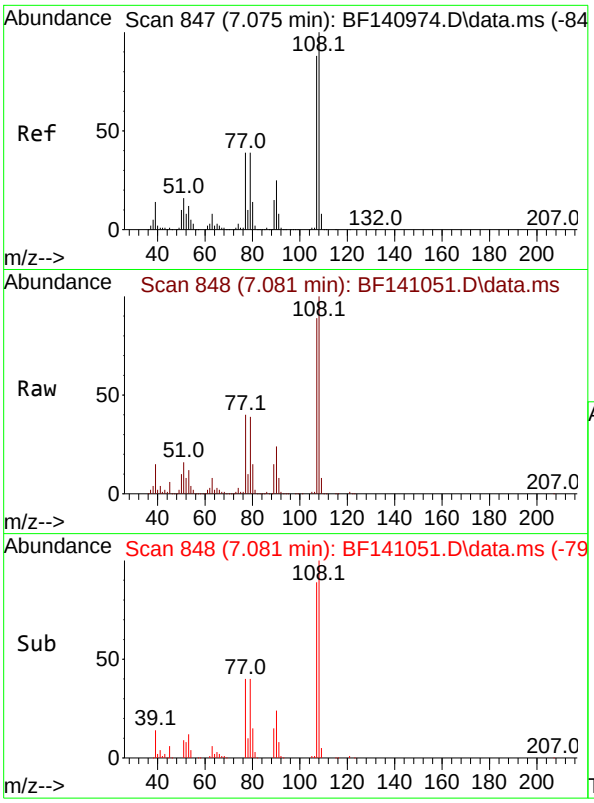


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.092 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 45 Resp: 1231138

Ion	Ratio	Lower	Upper
45	100		
77	13.7	0.0	33.1
79	10.3	0.0	30.1



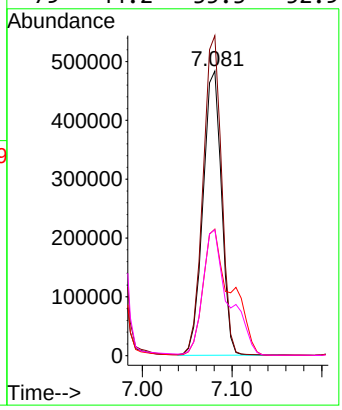


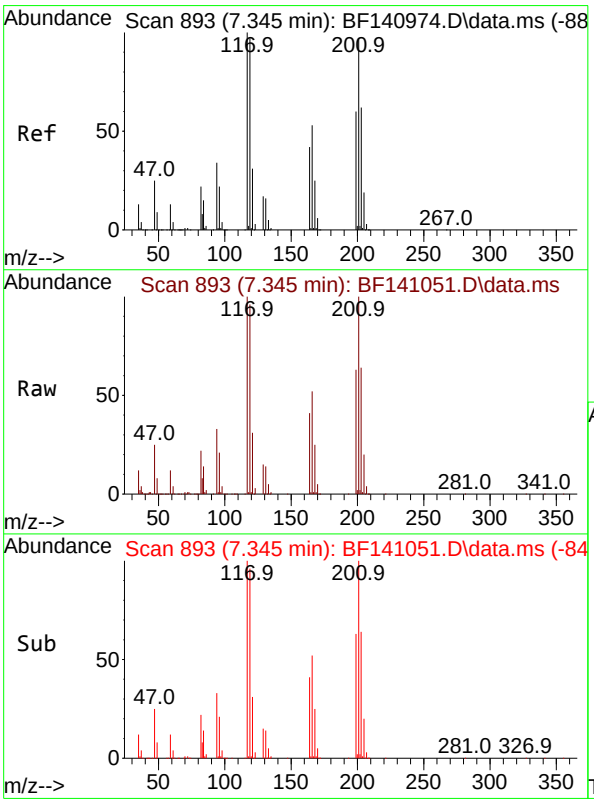
#17
2-Methylphenol
Concen: 51.219 ng
RT: 7.081 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:107 Resp: 691685

Ion	Ratio	Lower	Upper
107	100		
108	112.4	90.6	136.0
77	44.5	35.3	52.9
79	44.2	35.3	52.9

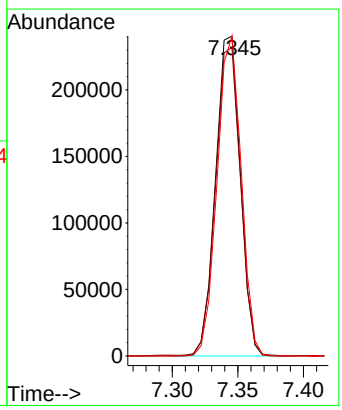


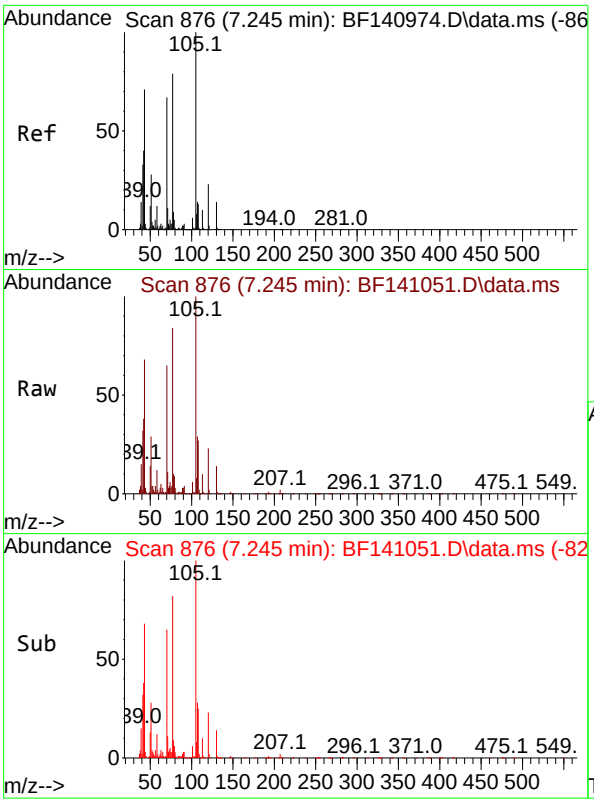


#18
Hexachloroethane
Concen: 49.147 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:117 Resp: 315734

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.5	116.3
201	100.0	77.4	116.2



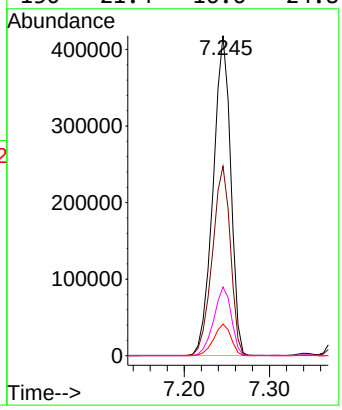


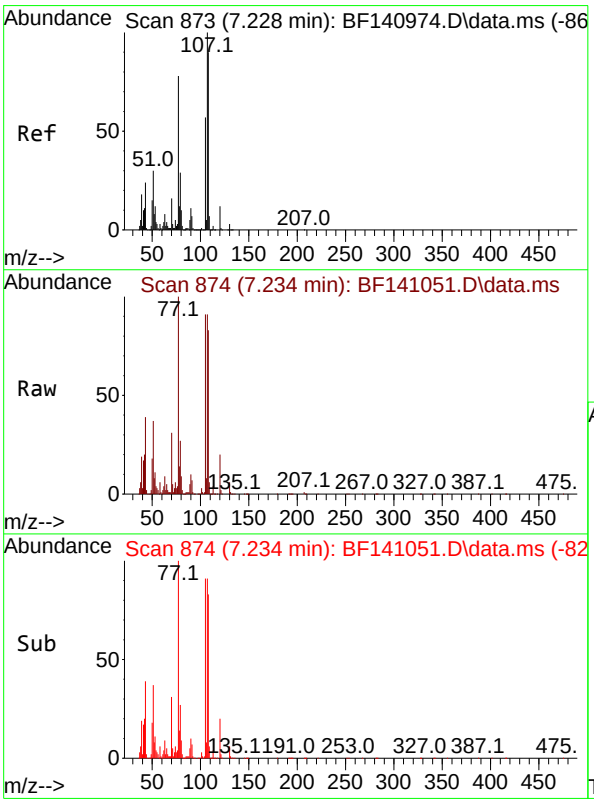
#19
n-Nitroso-di-n-propylamine
Concen: 49.223 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 70 Resp: 598936

Ion	Ratio	Lower	Upper
70	100		
42	59.2	48.1	72.1
101	9.9	7.6	11.4
130	21.4	16.6	24.8

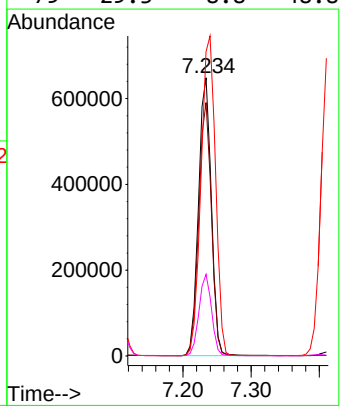


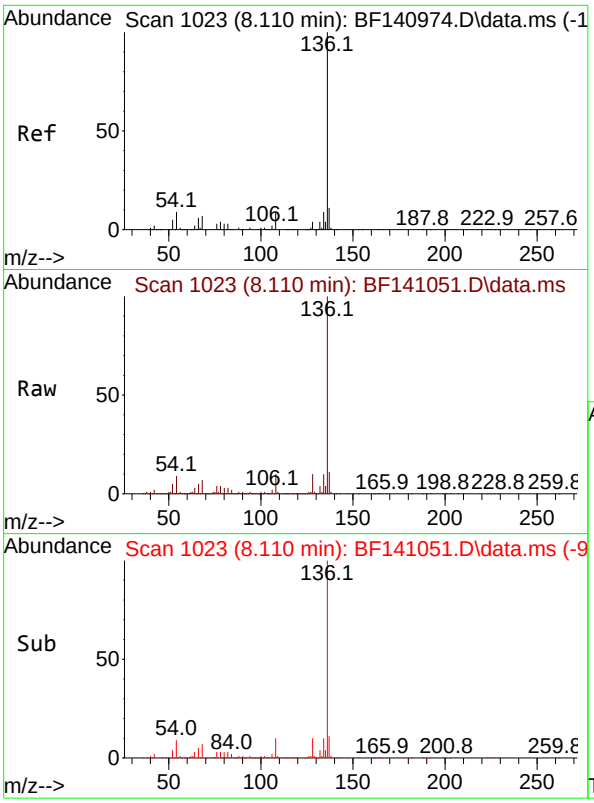


#20
3+4-Methylphenols
Concen: 49.570 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:107 Resp: 847125

Ion	Ratio	Lower	Upper
107	100		
108	91.1	69.6	109.6
77	109.4	57.6	97.6#
79	29.3	8.8	48.8



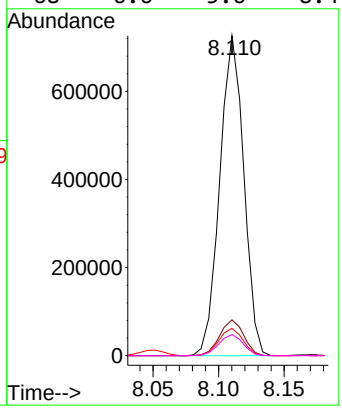


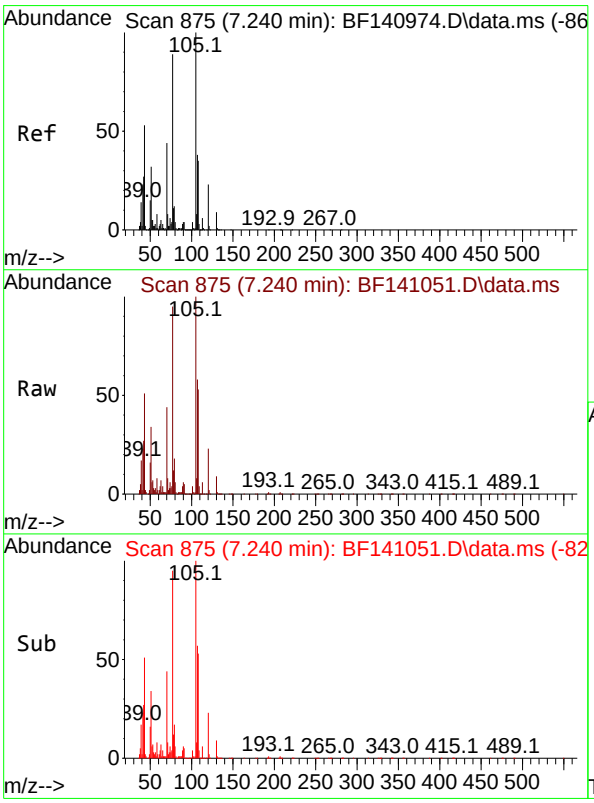
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:136 Resp: 925099

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	8.6	7.6	11.4
68	6.6	5.6	8.4

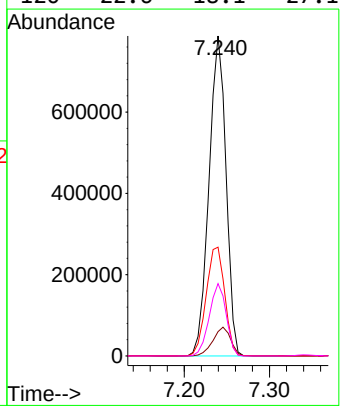


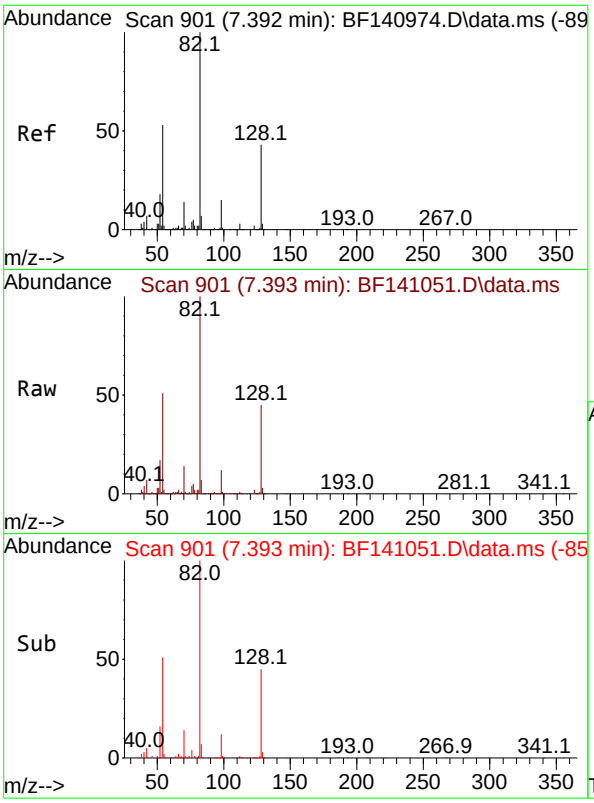


#22
Acetophenone
Concen: 48.179 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:105 Resp: 1093369

Ion	Ratio	Lower	Upper
105	100		
71	7.6	6.1	9.1
51	34.0	25.8	38.6
120	22.6	18.1	27.1



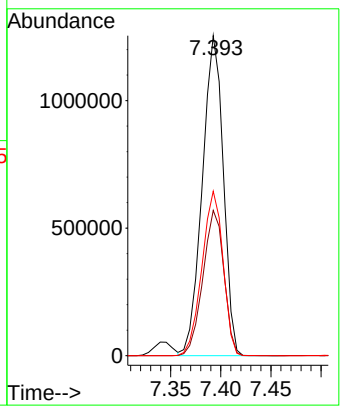


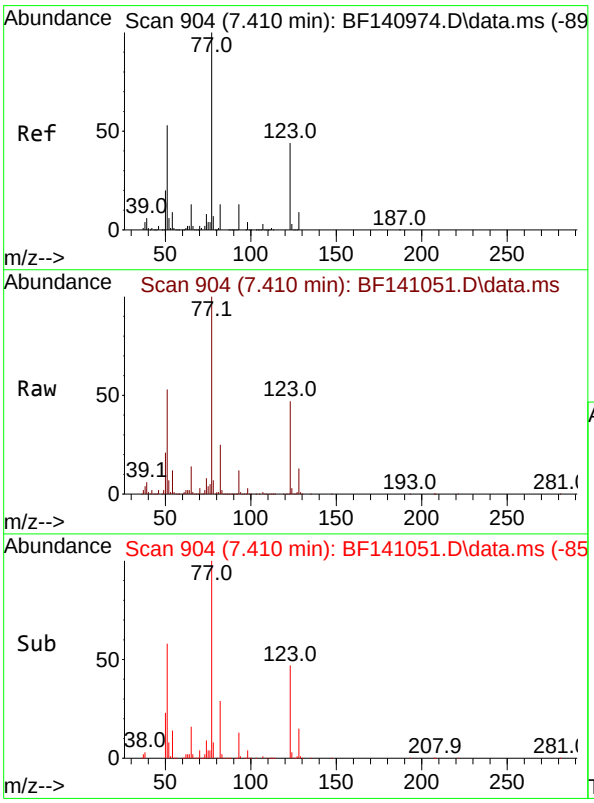
#23
Nitrobenzene-d5
Concen: 126.614 ng
RT: 7.393 min Scan# 9(
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 82 Resp: 1830790

Ion	Ratio	Lower	Upper
82	100		
128	45.4	34.4	51.6
54	51.4	42.4	63.6

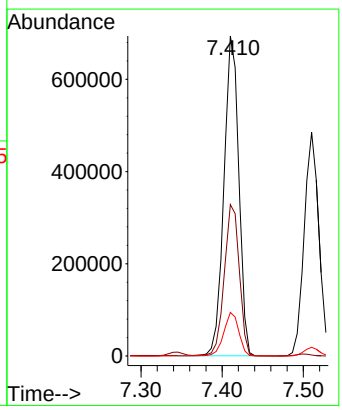


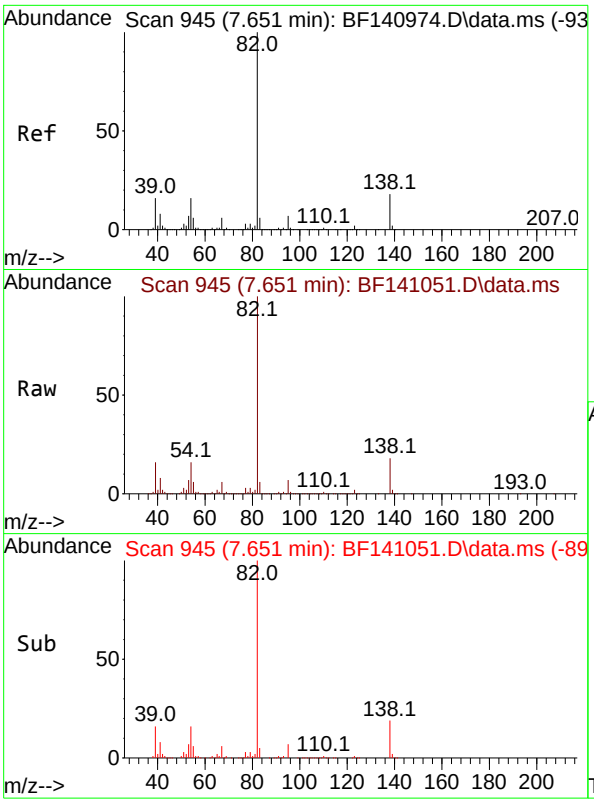


#24
Nitrobenzene
Concen: 54.743 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 77 Resp: 884486

Ion	Ratio	Lower	Upper
77	100		
123	47.3	35.4	53.2
65	13.6	10.7	16.1



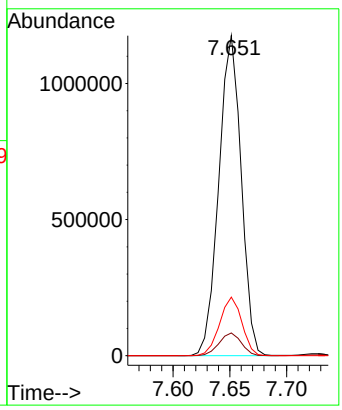


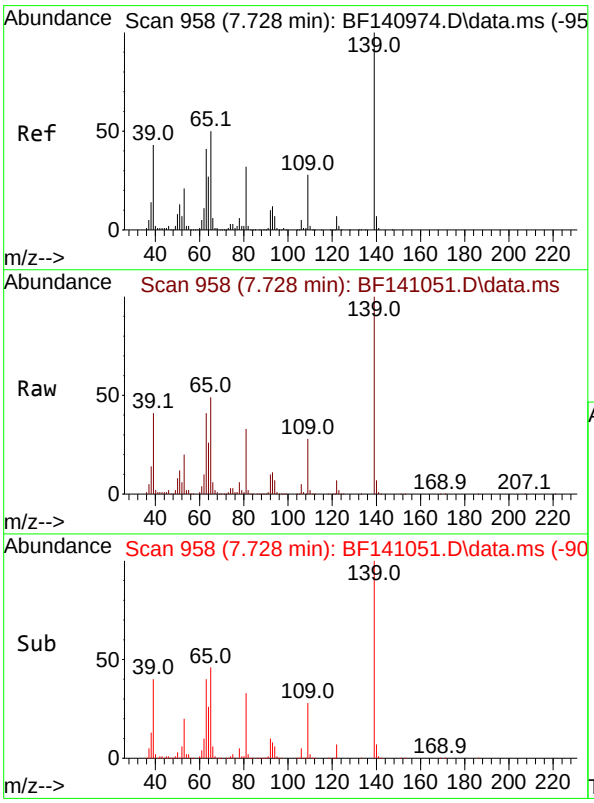
#25
Isophorone
Concen: 51.223 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 82 Resp: 1611721

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	18.3	14.6	21.8

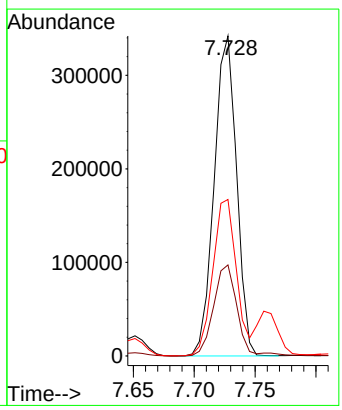


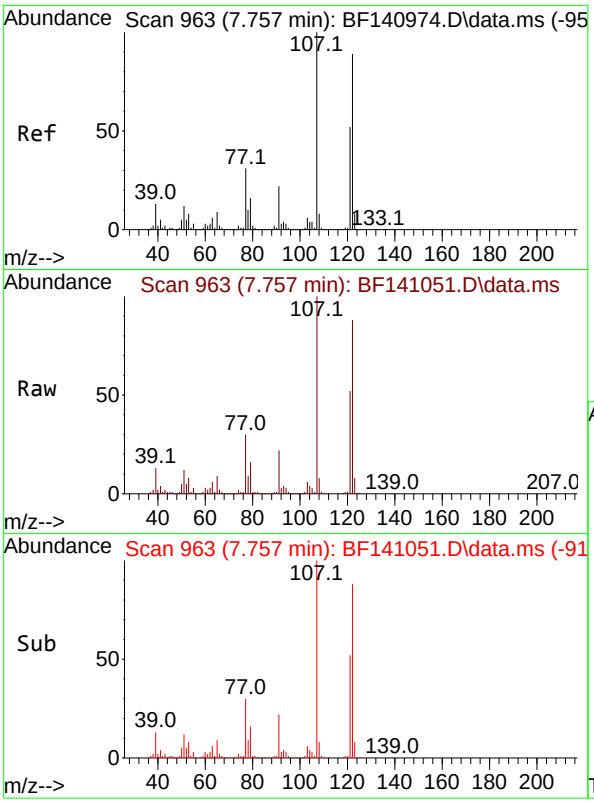


#26
2-Nitrophenol
Concen: 64.206 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:139 Resp: 438453

Ion	Ratio	Lower	Upper
139	100		
109	28.5	22.2	33.4
65	48.9	40.2	60.4



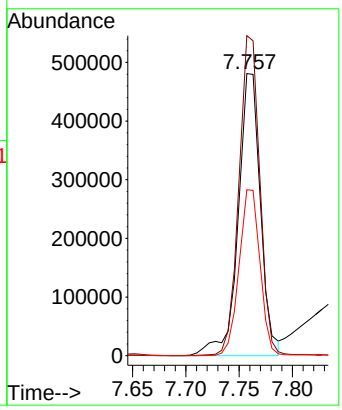


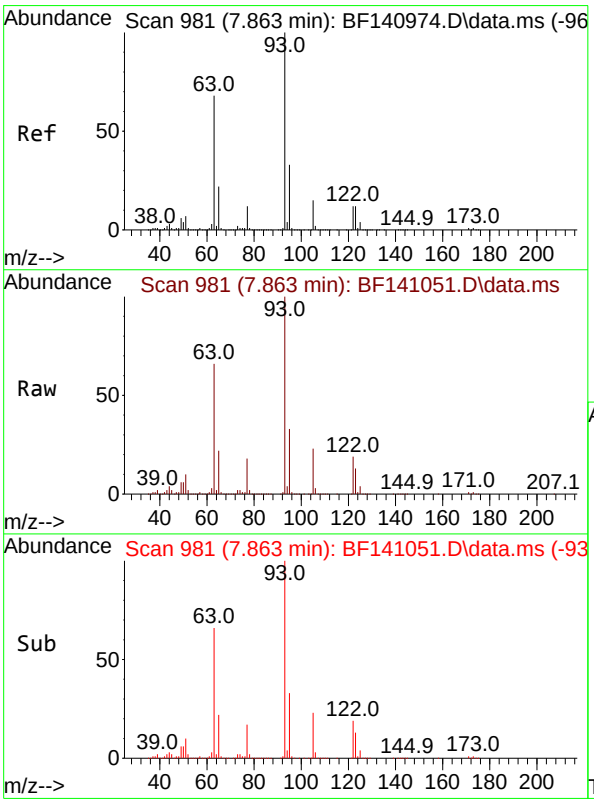
#27
2,4-Dimethylphenol
Concen: 60.921 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:122 Resp: 700554

Ion	Ratio	Lower	Upper
122	100		
107	113.5	89.4	134.2
121	58.8	46.7	70.1

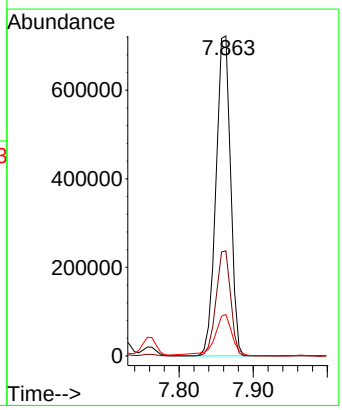


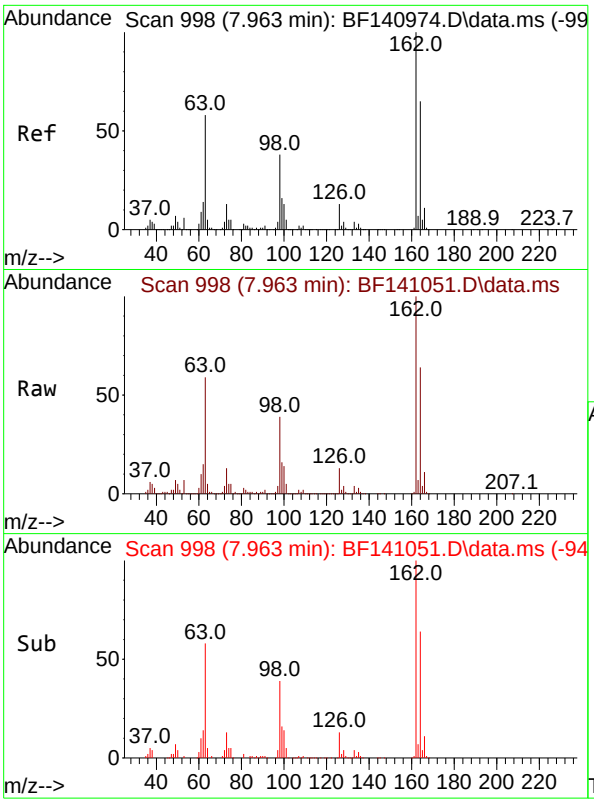


#28
bis(2-Chloroethoxy)methane
Concen: 49.547 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 93 Resp: 987760

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.4
123	12.9	9.9	14.9



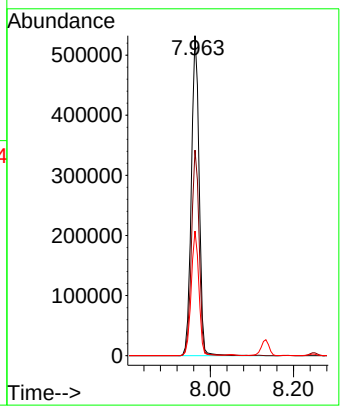


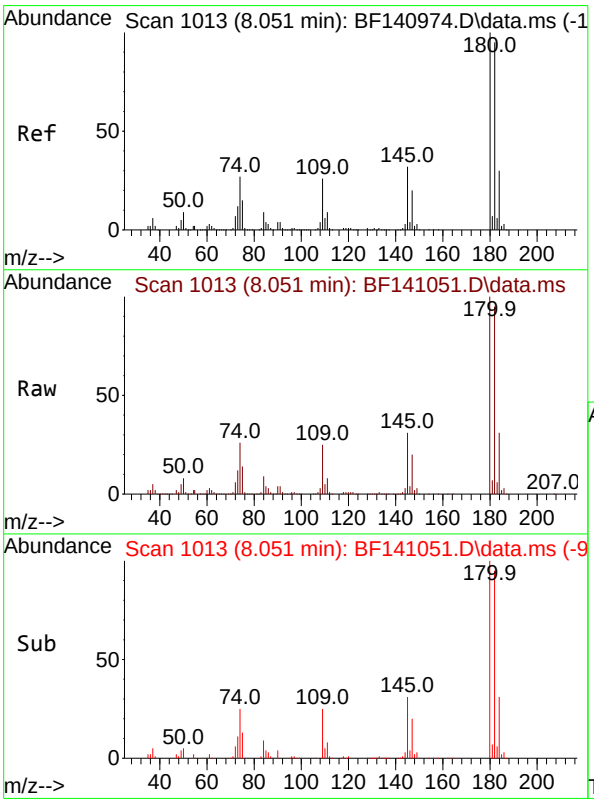
#29
2,4-Dichlorophenol
Concen: 53.229 ng
RT: 7.963 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:162 Resp: 694221

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.8	84.8
98	39.0	18.6	58.6

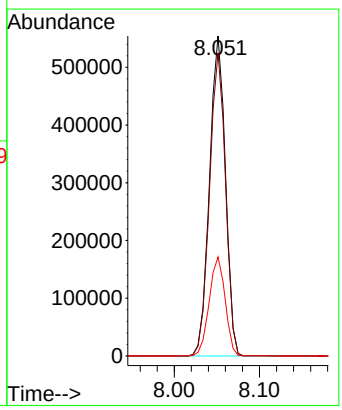


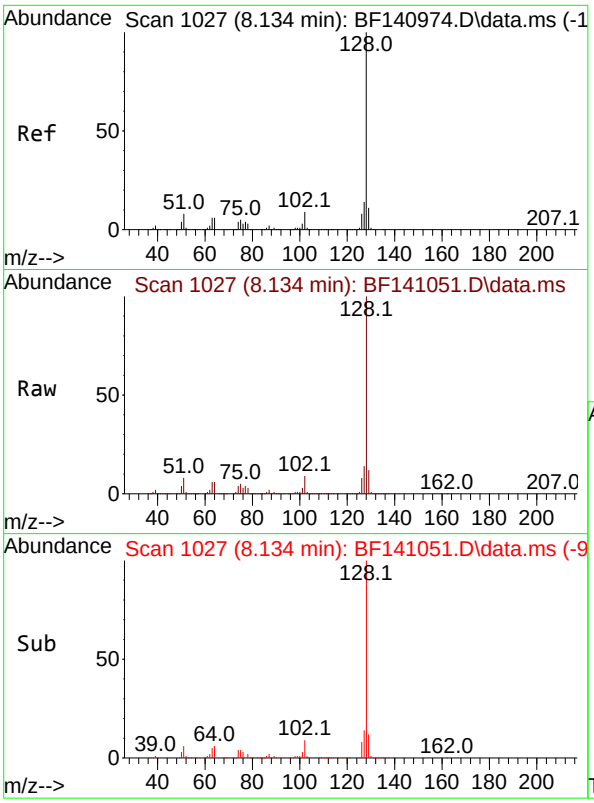


#30
1,2,4-Trichlorobenzene
Concen: 48.702 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:180 Resp: 718917

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.4
145	31.0	25.4	38.2



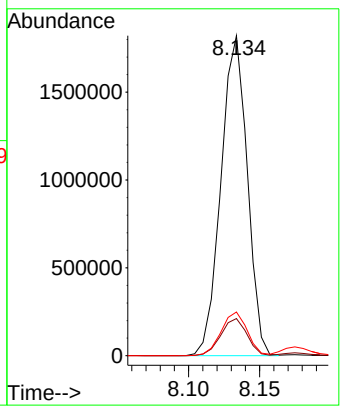


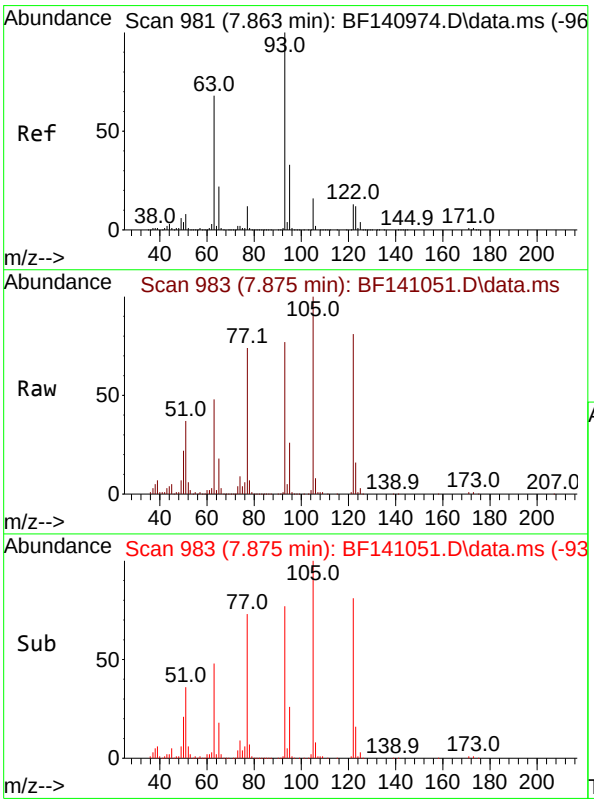
#31
Naphthalene
Concen: 48.189 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:128 Resp: 2349067

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.7	11.0	16.4

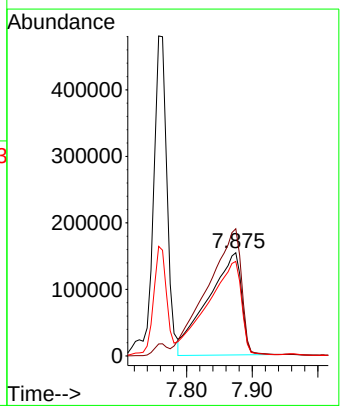


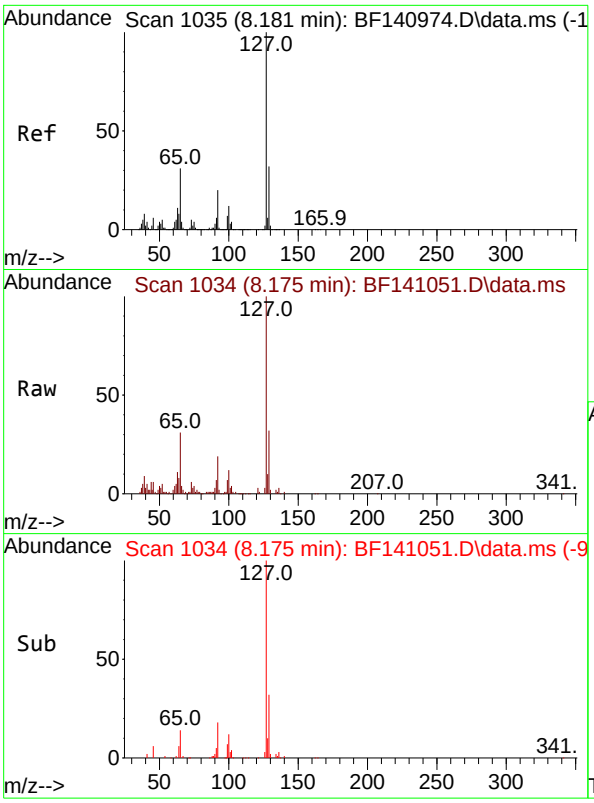


#32
Benzoic acid
Concen: 56.289 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.012 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:122 Resp: 547658

Ion	Ratio	Lower	Upper
122	100		
105	123.3	105.4	145.4
77	91.7	76.4	116.4



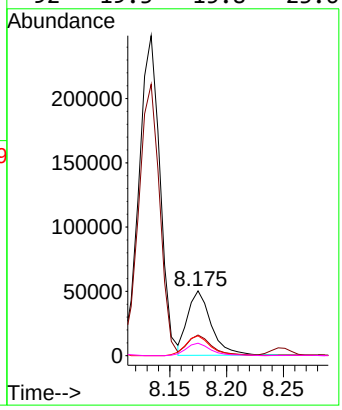


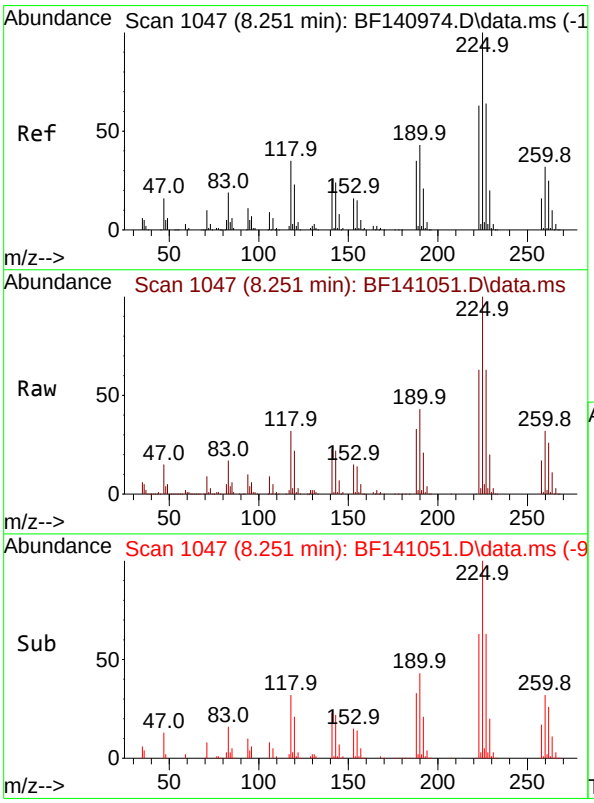
#33
4-Chloroaniline
Concen: 4.094 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:127 Resp: 72192

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.1	39.1
65	30.7	24.6	37.0
92	19.3	15.8	23.6

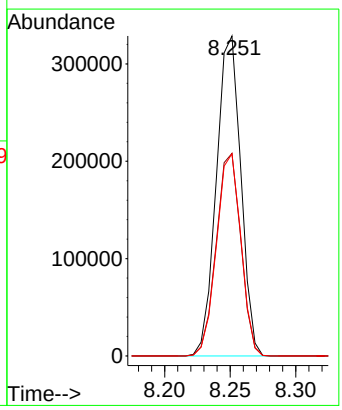


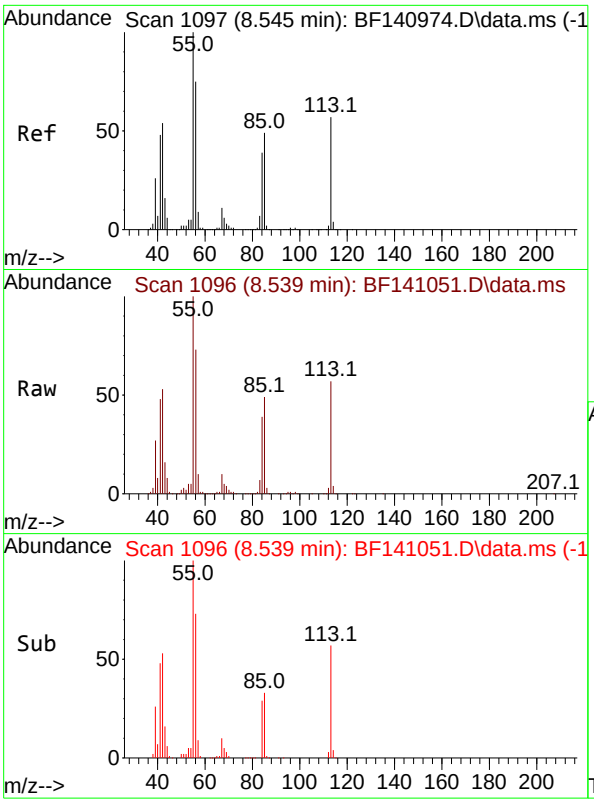


#34
Hexachlorobutadiene
Concen: 48.992 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:225 Resp: 426348

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.3	75.5
227	63.2	50.8	76.2



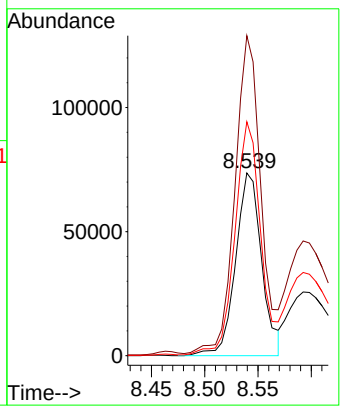


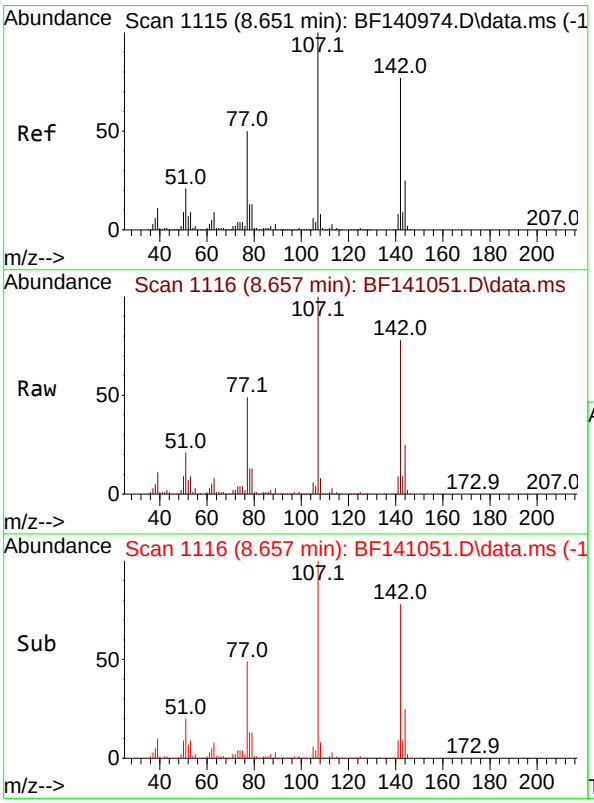
#35
Caprolactam
Concen: 28.247 ng
RT: 8.539 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:113 Resp: 125240

Ion	Ratio	Lower	Upper
113	100		
55	175.1	156.6	196.6
56	128.0	111.7	151.7

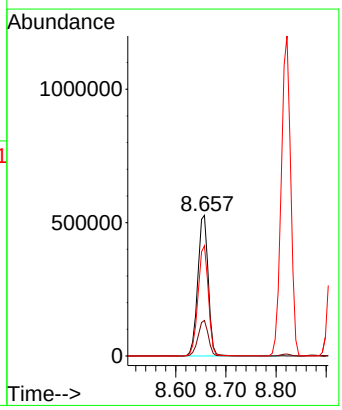


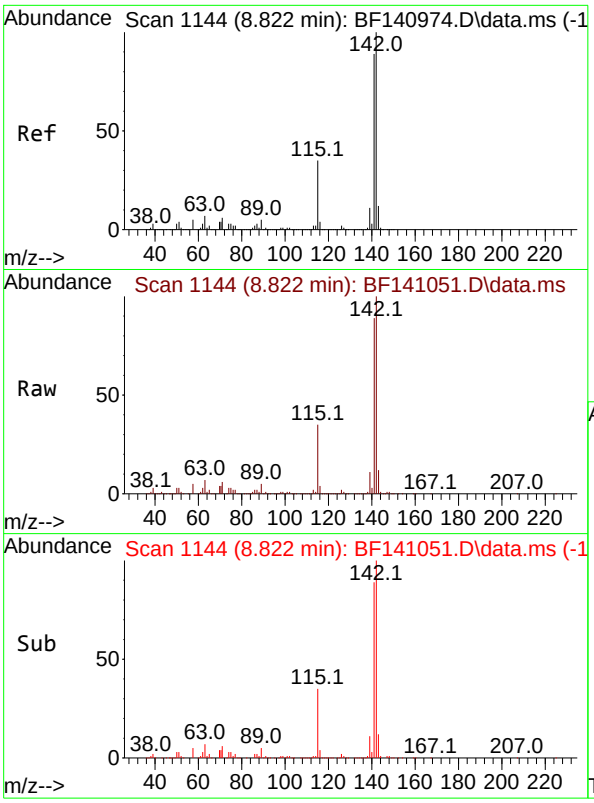


#36
4-Chloro-3-methylphenol
Concen: 52.532 ng
RT: 8.657 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:107 Resp: 760877

Ion	Ratio	Lower	Upper
107	100		
144	25.2	19.9	29.9
142	78.4	61.8	92.8



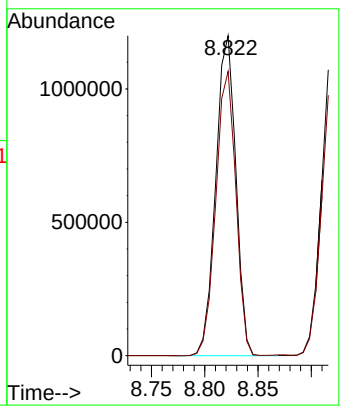


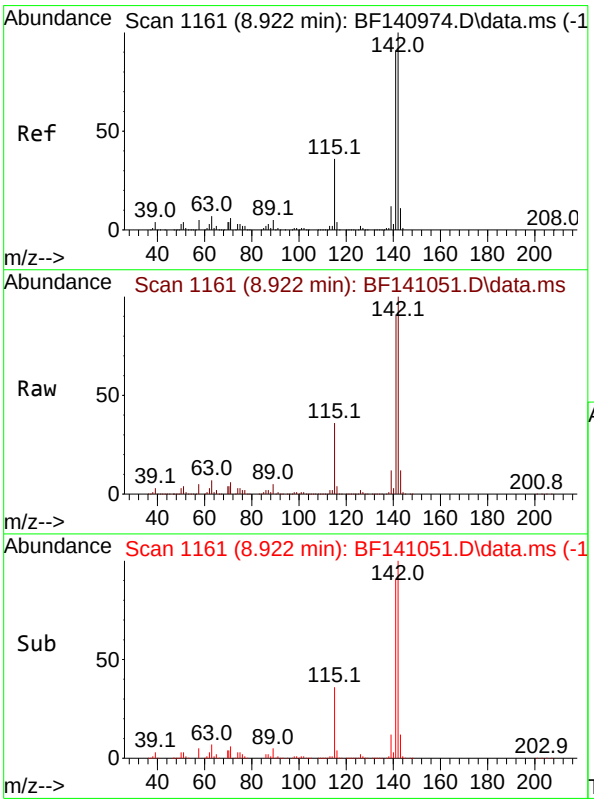
#37
2-Methylnaphthalene
Concen: 50.324 ng
RT: 8.822 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:142 Resp: 1569379

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.1	106.7

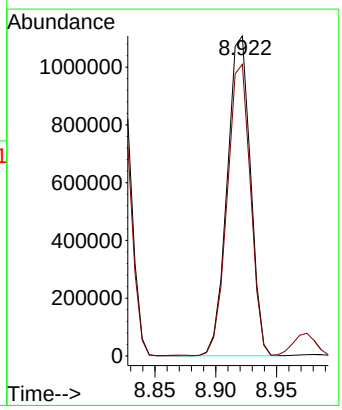


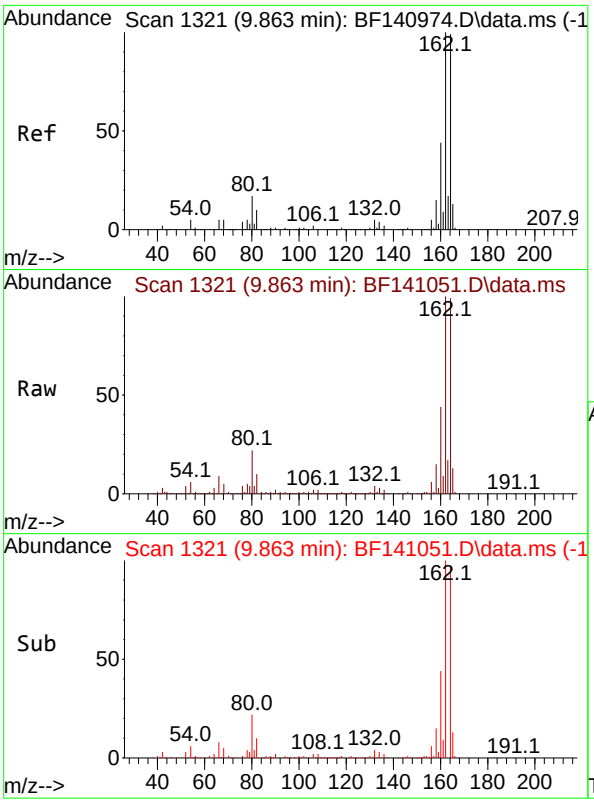


#38
1-Methylnaphthalene
Concen: 48.086 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:142 Resp: 1473767

Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.7	109.1



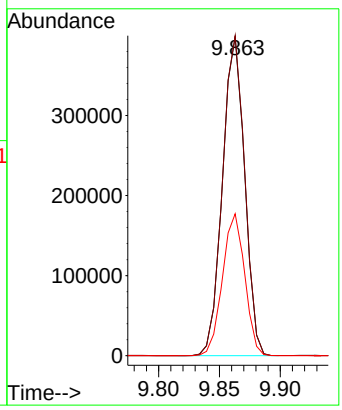


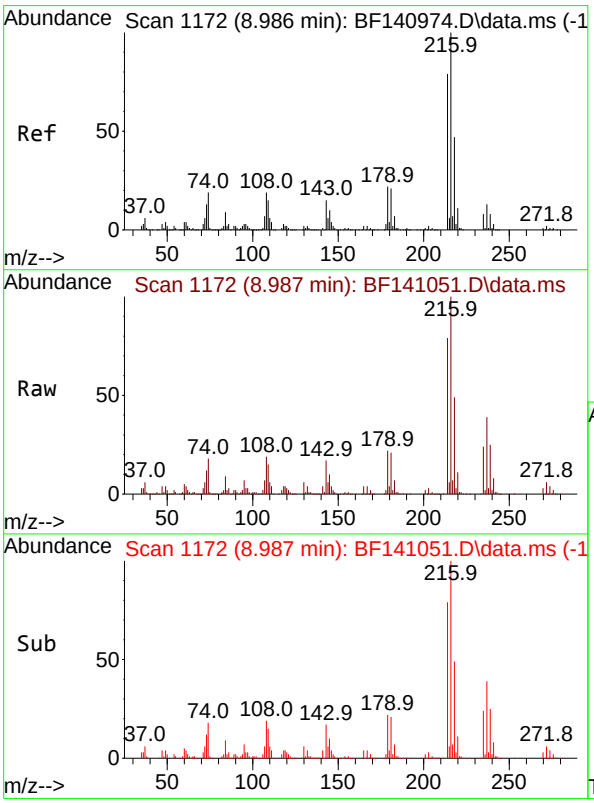
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:164 Resp: 503882

Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.6	120.8
160	44.6	35.7	53.5

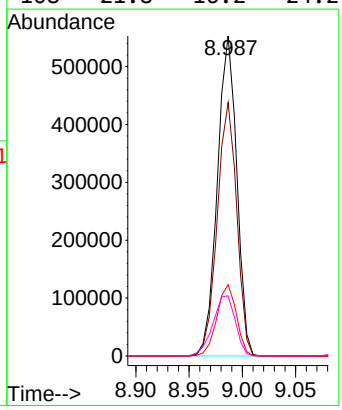


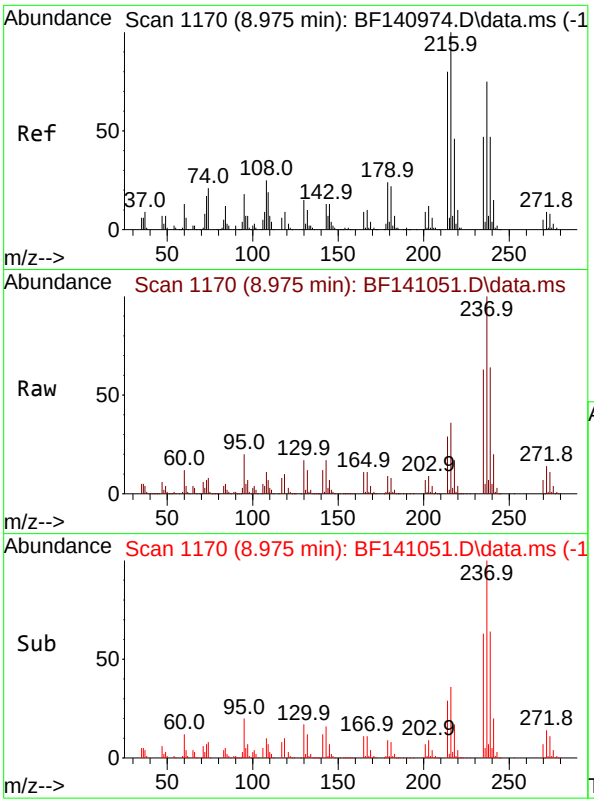


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.510 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:216 Resp: 700190

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.0	94.6
179	22.4	17.9	26.9
108	21.8	16.2	24.2



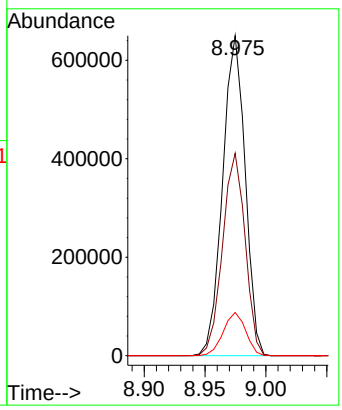


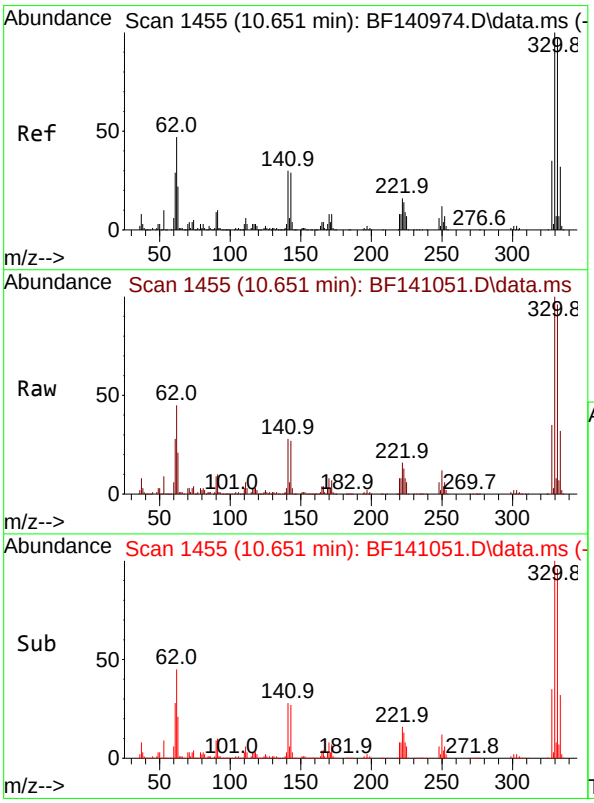
#41
Hexachlorocyclopentadiene
Concen: 182.207 ng
RT: 8.975 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:237 Resp: 837030

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.4	83.4
272	13.5	0.0	32.6

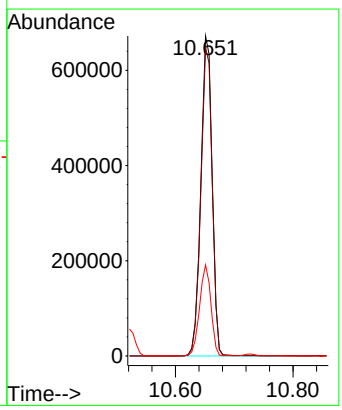


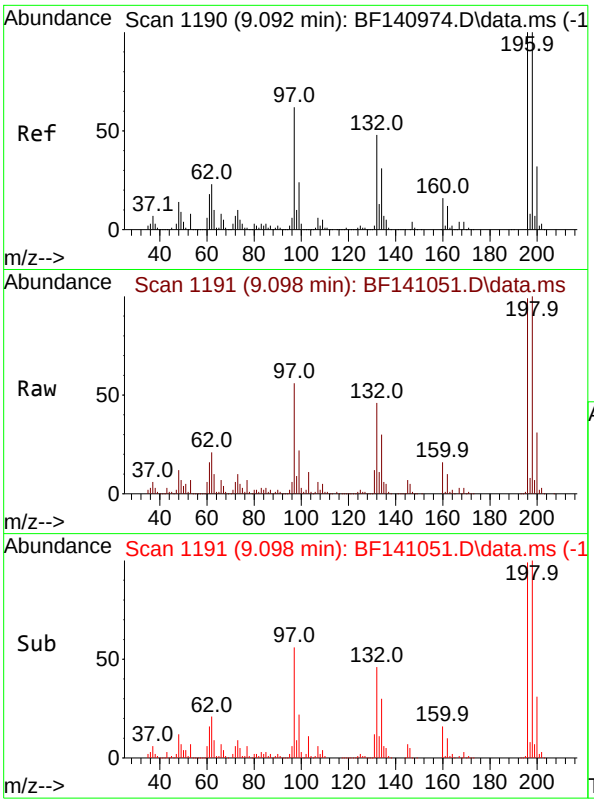


#42
2,4,6-Tribromophenol
Concen: 184.238 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:330 Resp: 902078

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.0	117.0
141	28.5	26.4	39.6



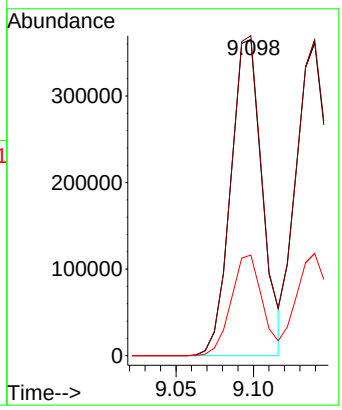


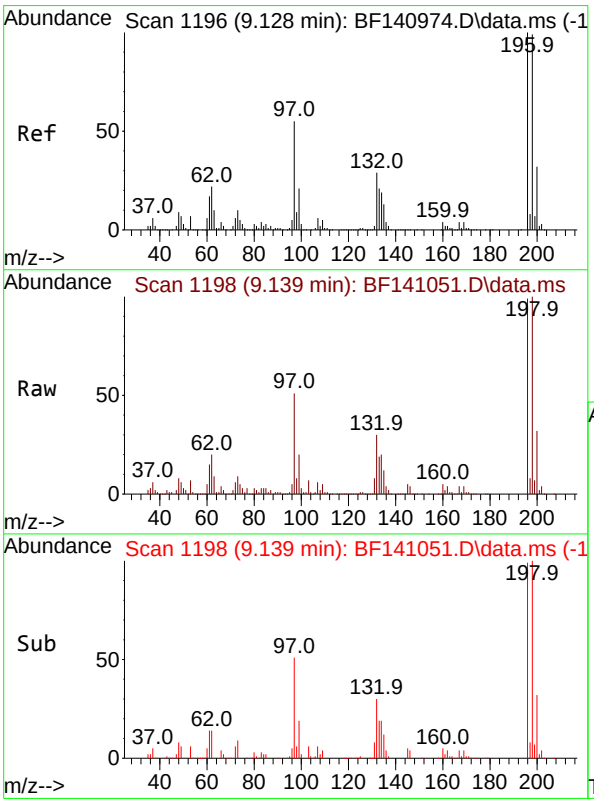
#43
2,4,6-Trichlorophenol
Concen: 56.035 ng
RT: 9.098 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:196 Resp: 516987

Ion	Ratio	Lower	Upper
196	100		
198	101.1	80.2	120.4
200	31.8	25.8	38.6

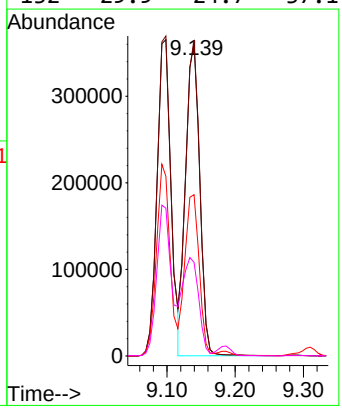


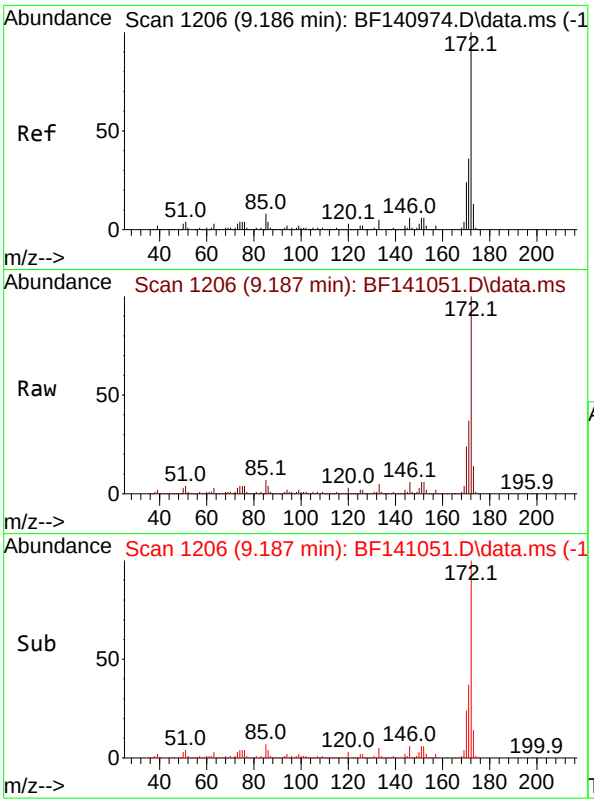


#44
2,4,5-Trichlorophenol
Concen: 54.792 ng
RT: 9.139 min Scan# 1198
Delta R.T. 0.012 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:196 Resp: 517247

Ion	Ratio	Lower	Upper
196	100		
198	100.9	79.9	119.9
97	51.6	44.3	66.5
132	29.9	24.7	37.1



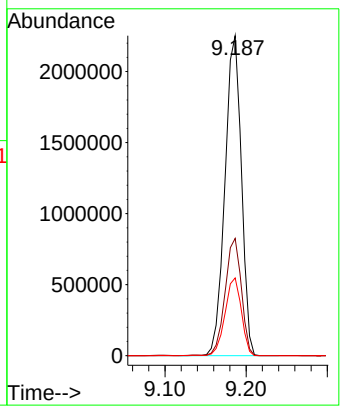


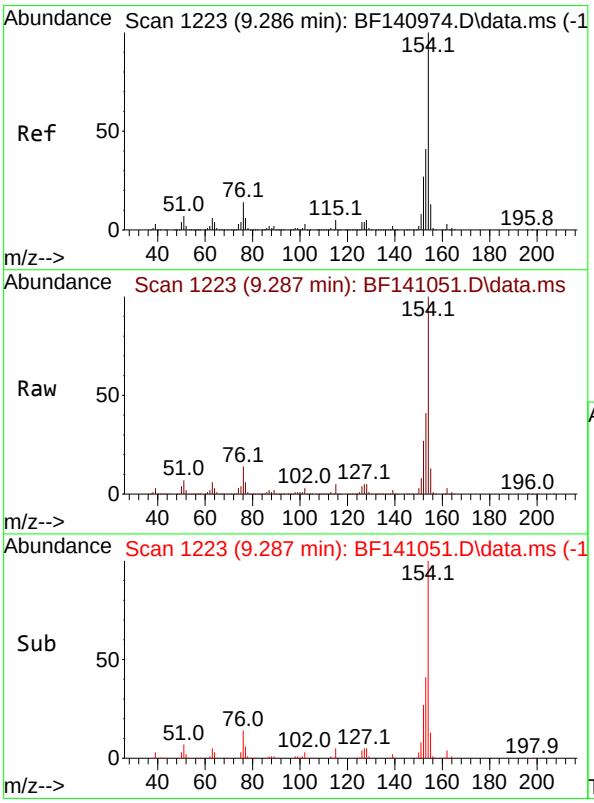
#45
2-Fluorobiphenyl
Concen: 100.375 ng
RT: 9.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:172 Resp: 3174486

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.0	43.4
170	24.3	19.6	29.4

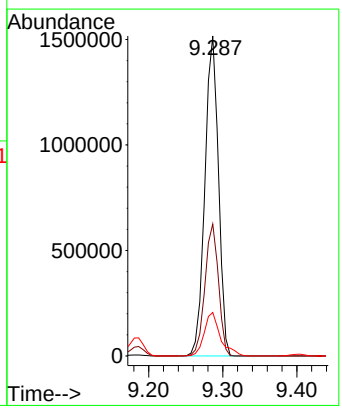


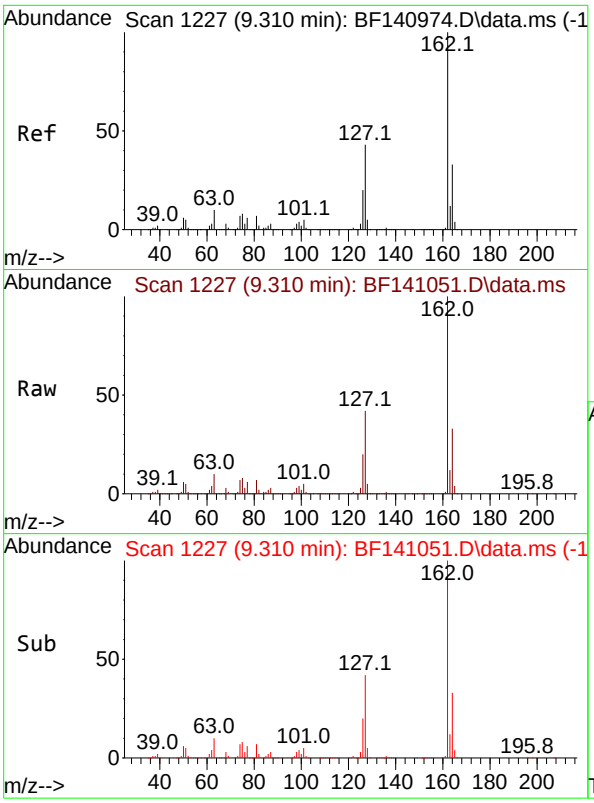


#46
1,1'-Biphenyl
Concen: 50.078 ng
RT: 9.287 min Scan# 1223
Delta R.T. 0.001 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:154 Resp: 1932118

Ion	Ratio	Lower	Upper
154	100		
153	41.3	20.9	60.9
76	13.6	0.0	34.0



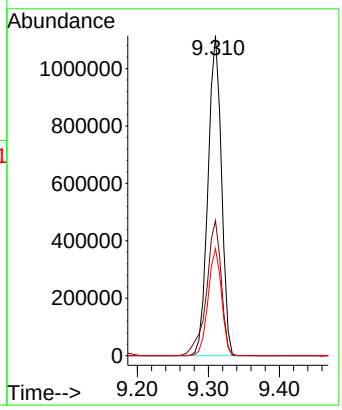


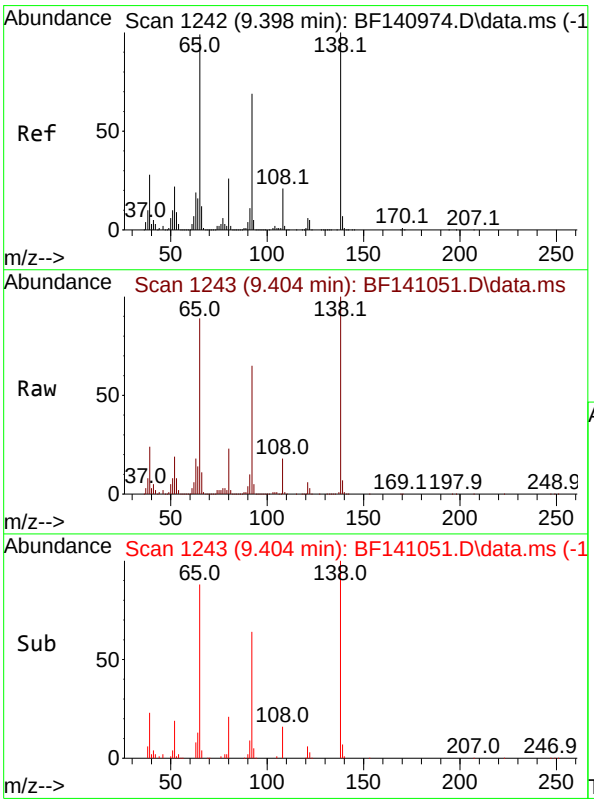
#47
2-Chloronaphthalene
Concen: 48.934 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:162 Resp: 1464242

Ion	Ratio	Lower	Upper
162	100		
127	42.2	34.2	51.4
164	33.4	26.6	40.0

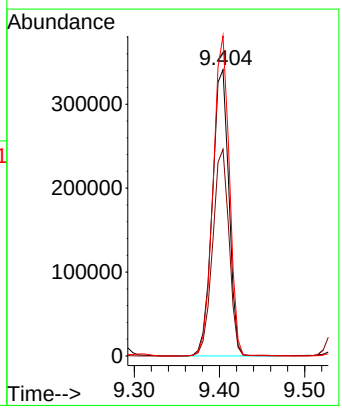


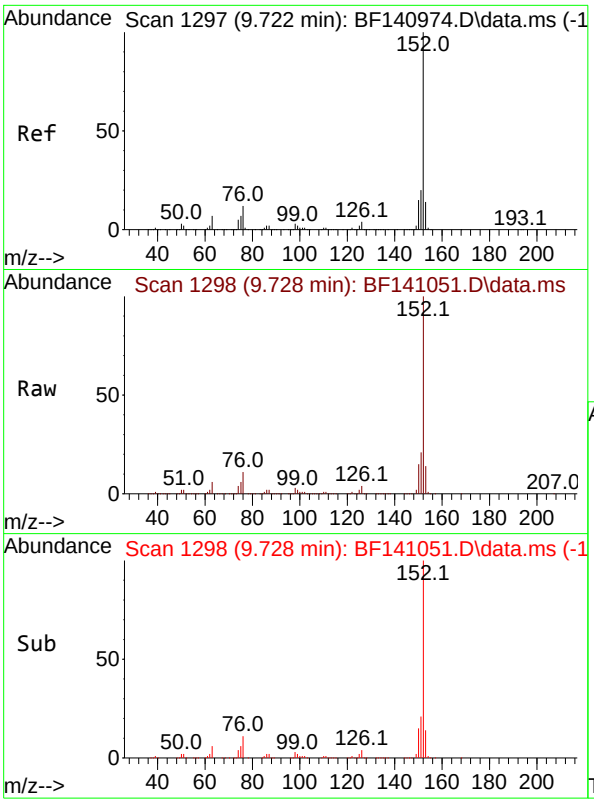


#48
2-Nitroaniline
Concen: 57.795 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion: 65 Resp: 460638

Ion	Ratio	Lower	Upper
65	100		
92	72.2	55.6	83.4
138	111.8	80.5	120.7



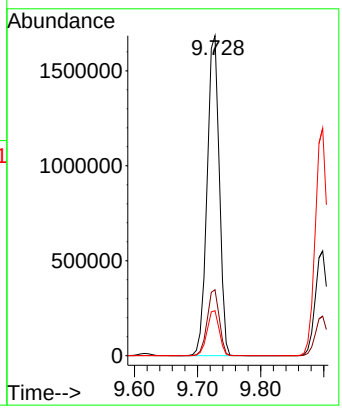


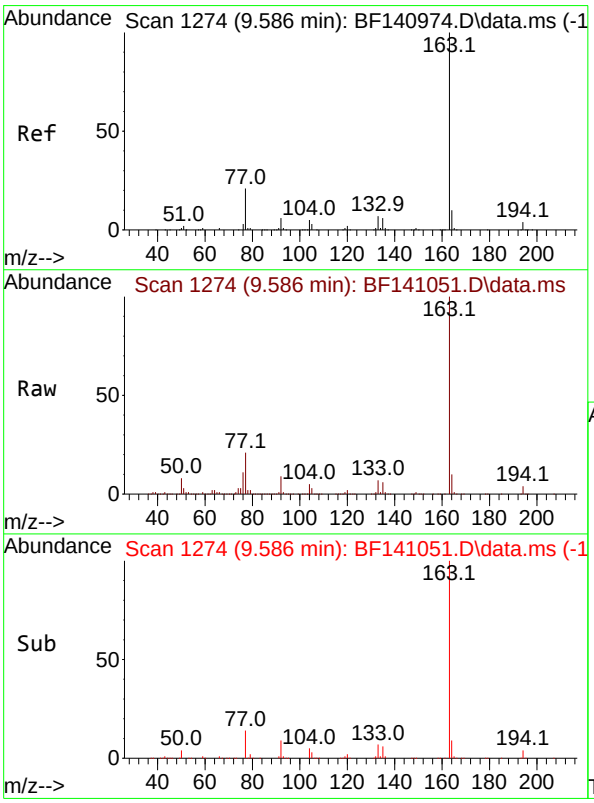
#49
Acenaphthylene
Concen: 52.519 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:152 Resp: 2262303

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4
153	14.1	11.4	17.0

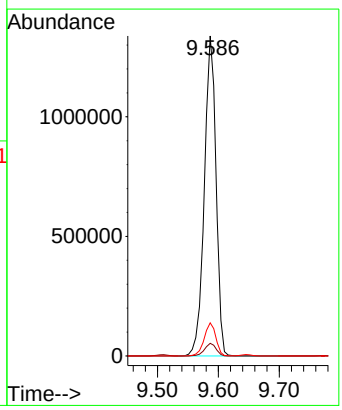


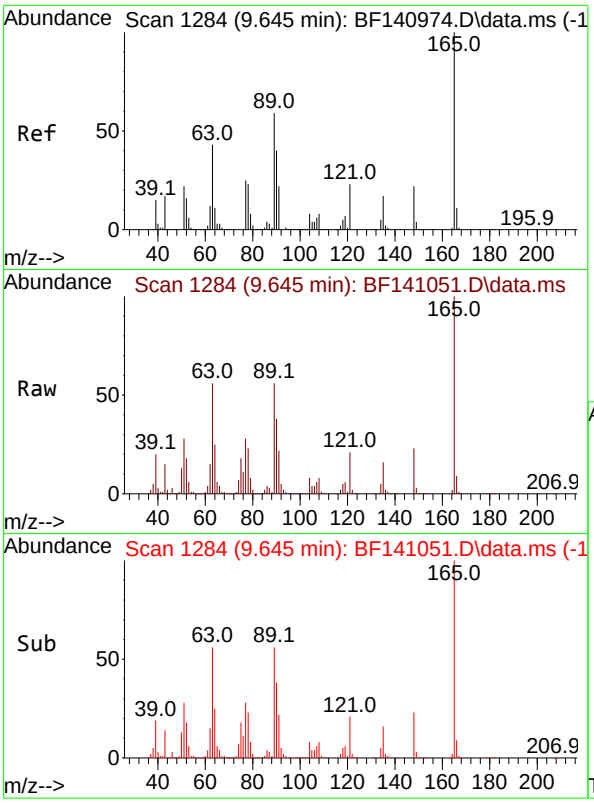


#50
Dimethylphthalate
Concen: 53.897 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:163 Resp: 1786357

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.3	12.5



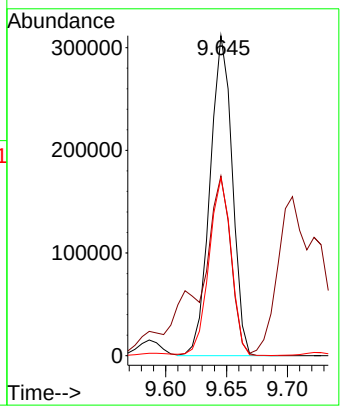


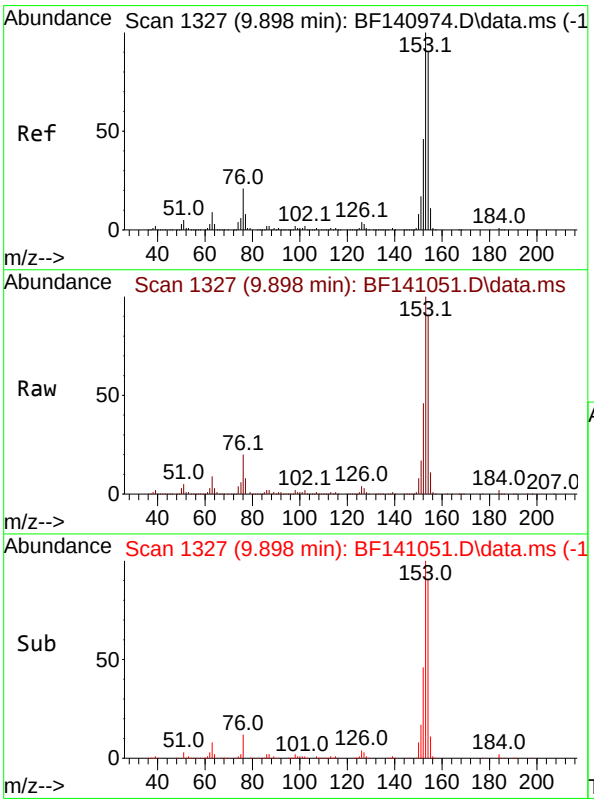
#51
2,6-Dinitrotoluene
Concen: 57.772 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:165 Resp: 395932

Ion	Ratio	Lower	Upper
165	100		
63	56.1	47.1	70.7
89	55.6	47.0	70.4

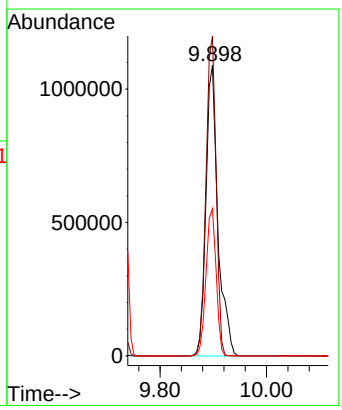


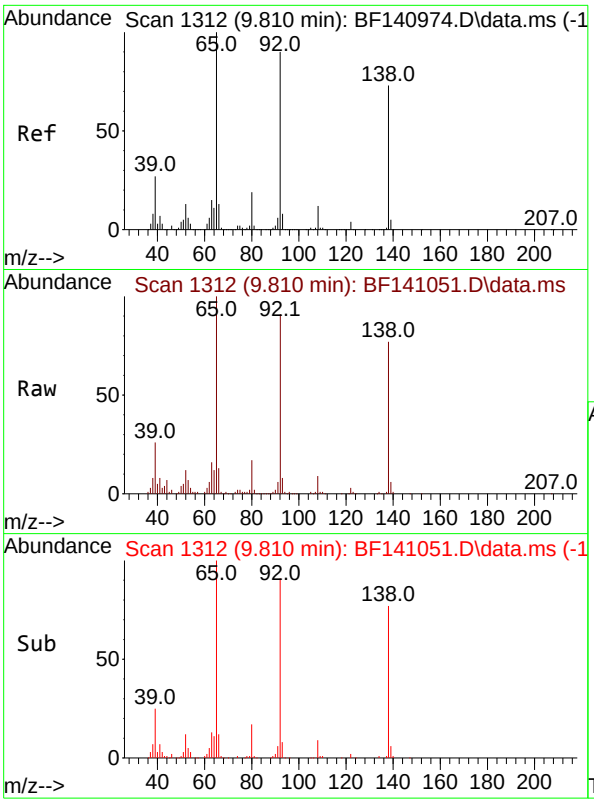


#52
Acenaphthene
Concen: 58.334 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:154 Resp: 1698760

Ion	Ratio	Lower	Upper
154	100		
153	110.2	89.2	133.8
152	50.7	40.9	61.3



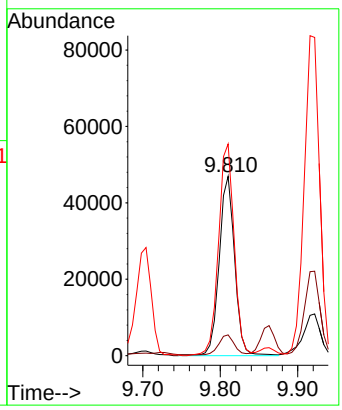


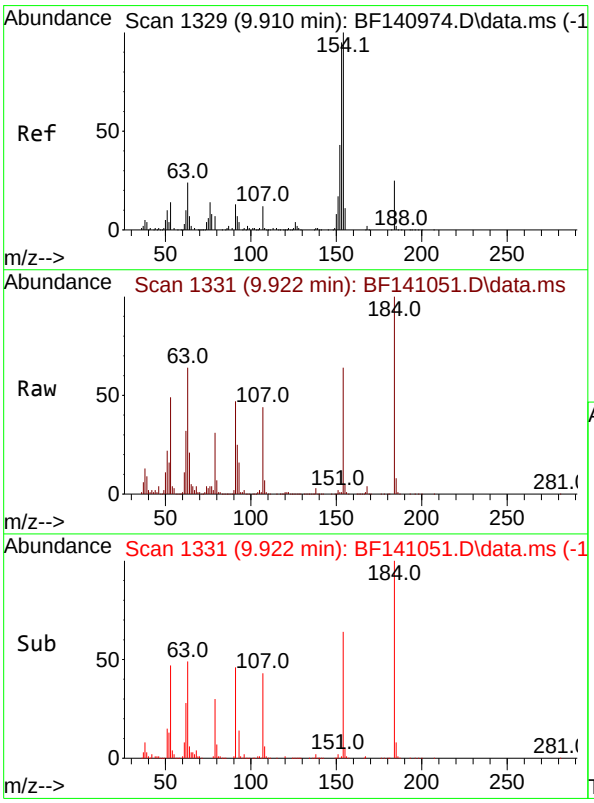
#53
3-Nitroaniline
Concen: 11.544 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:138 Resp: 65298

Ion	Ratio	Lower	Upper
138	100		
108	11.6	13.5	20.3#
92	118.1	97.7	146.5

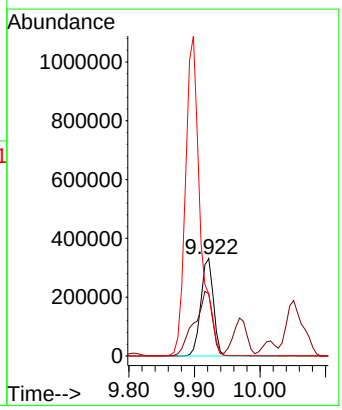


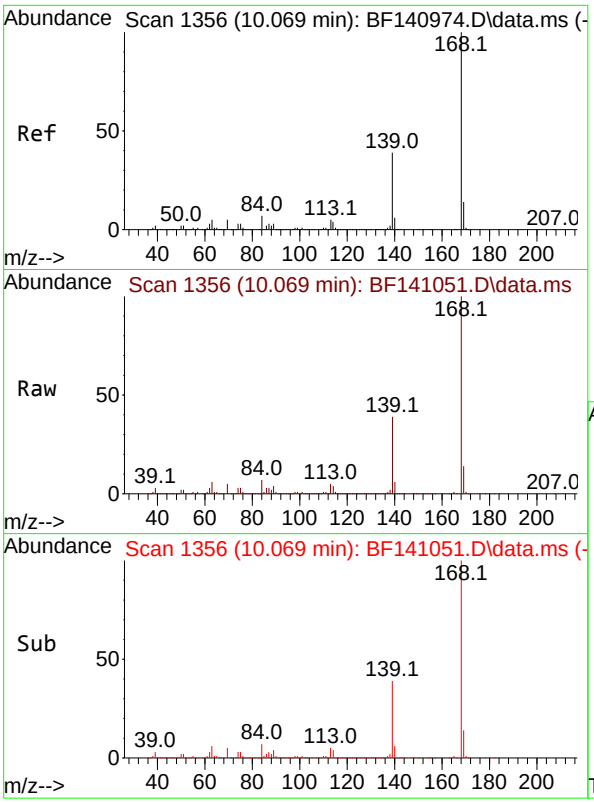


#54
2,4-Dinitrophenol
Concen: 129.142 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.012 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:184 Resp: 446375

Ion	Ratio	Lower	Upper
184	100		
63	63.9	81.6	122.4#
154	63.7	363.5	545.3#



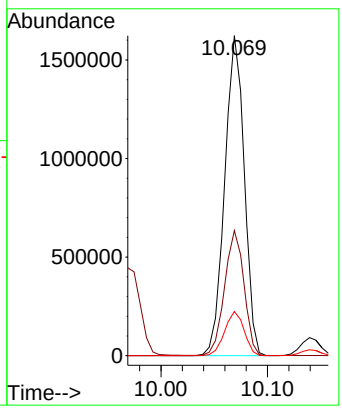


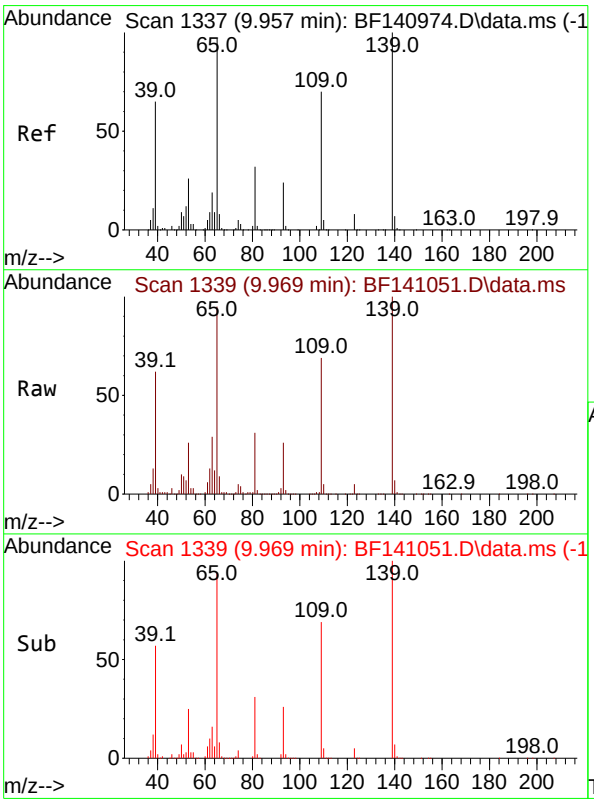
#55
Dibenzofuran
Concen: 50.661 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:168 Resp: 2073334

Ion	Ratio	Lower	Upper
168	100		
139	39.1	31.6	47.4
169	13.8	11.0	16.6

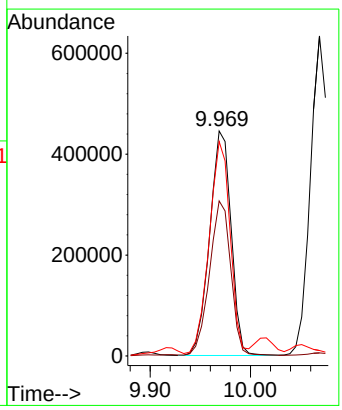


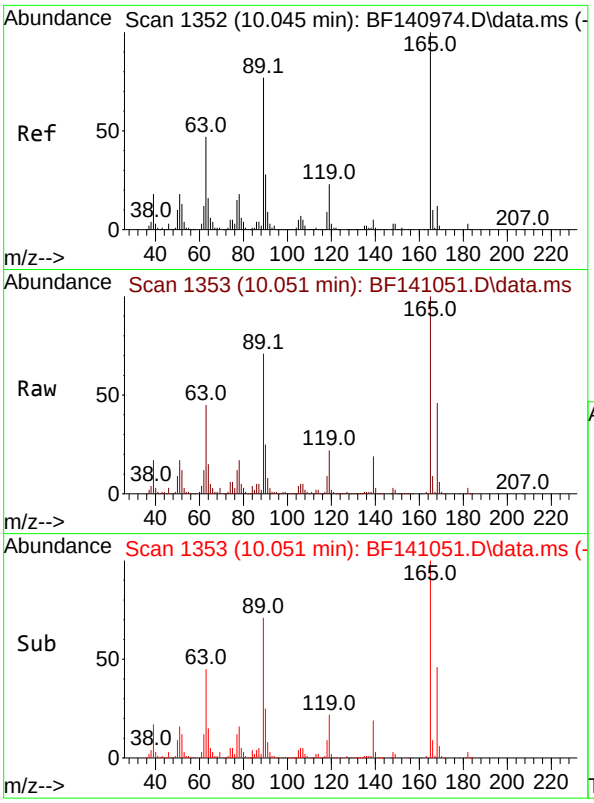


#56
4-Nitrophenol
Concen: 116.604 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:139 Resp: 661085

Ion	Ratio	Lower	Upper
139	100		
109	69.0	50.8	90.8
65	95.3	78.5	118.5



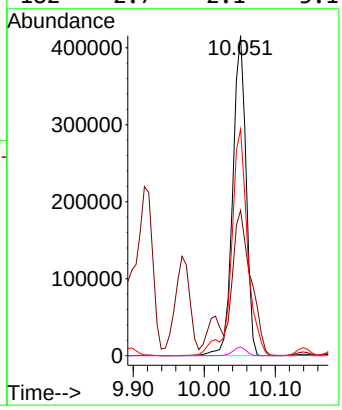


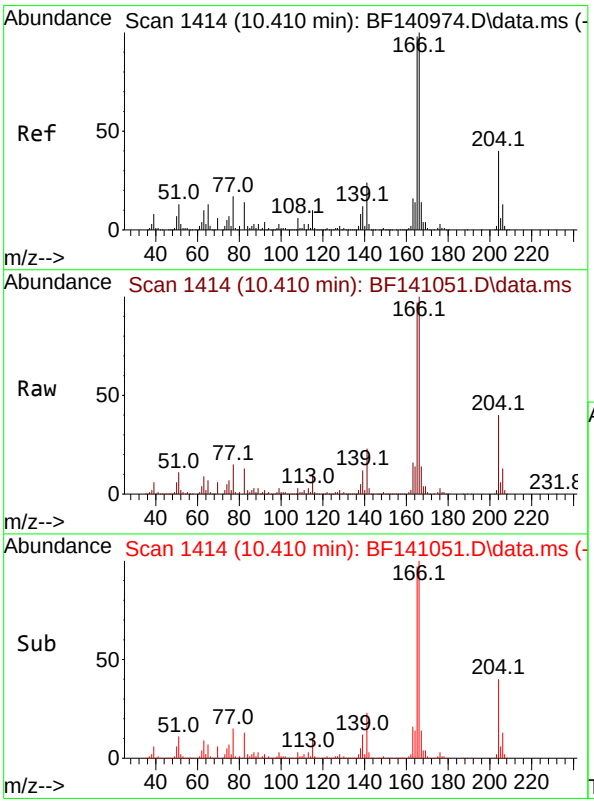
#57
2,4-Dinitrotoluene
Concen: 63.887 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:165 Resp: 542012

Ion	Ratio	Lower	Upper
165	100		
63	45.4	38.1	57.1
89	70.8	61.4	92.2
182	2.7	2.1	3.1

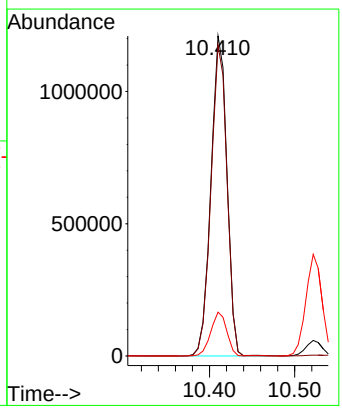


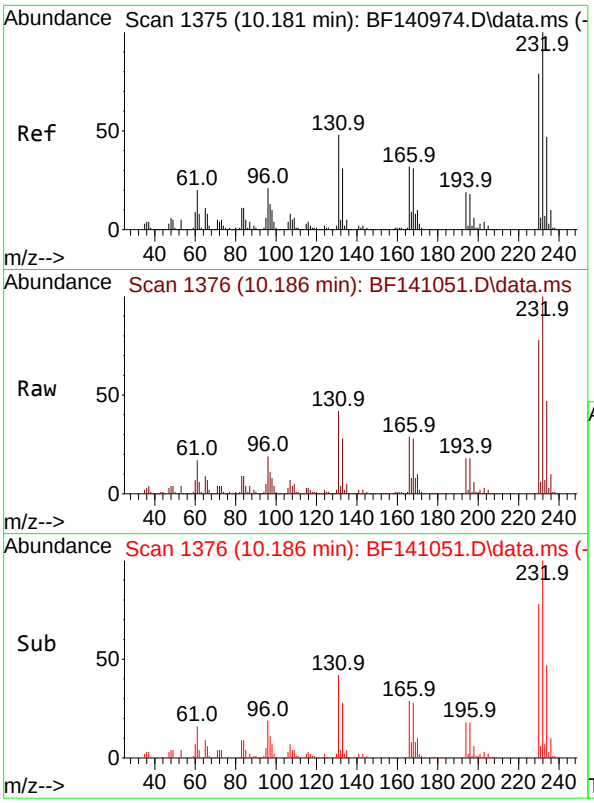


#58
Fluorene
Concen: 49.790 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:166 Resp: 1580114

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.3	117.5
167	13.7	10.9	16.3



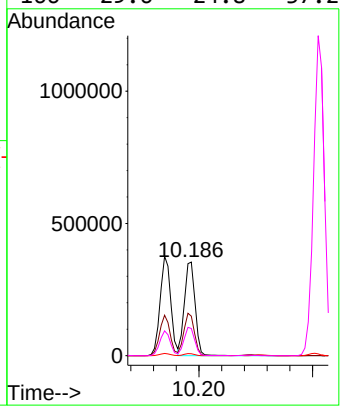


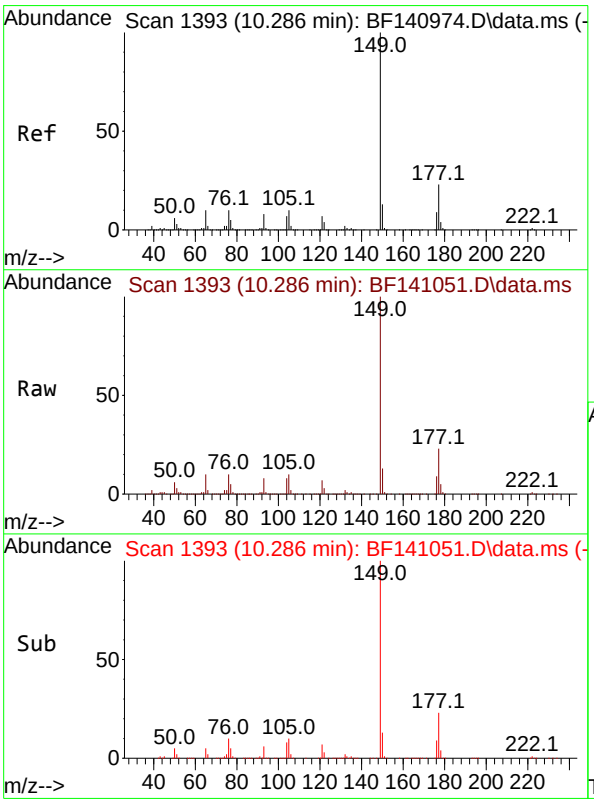
#59
2,3,4,6-Tetrachlorophenol
Concen: 59.215 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:232 Resp: 462961

Ion	Ratio	Lower	Upper
232	100		
131	44.0	37.4	56.2
130	2.2	1.8	2.8
166	29.6	24.8	37.2

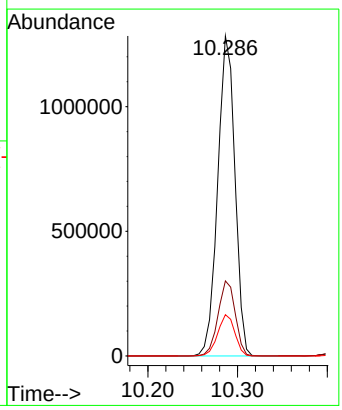


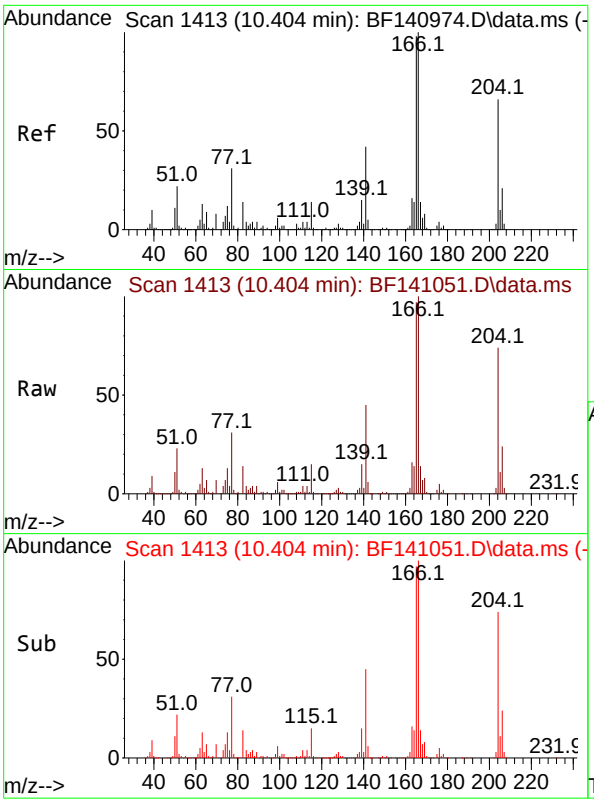


#60
Diethylphthalate
Concen: 52.335 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:149 Resp: 1712441

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.3	27.5
150	12.9	10.4	15.6



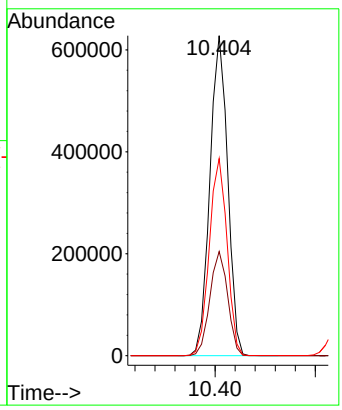


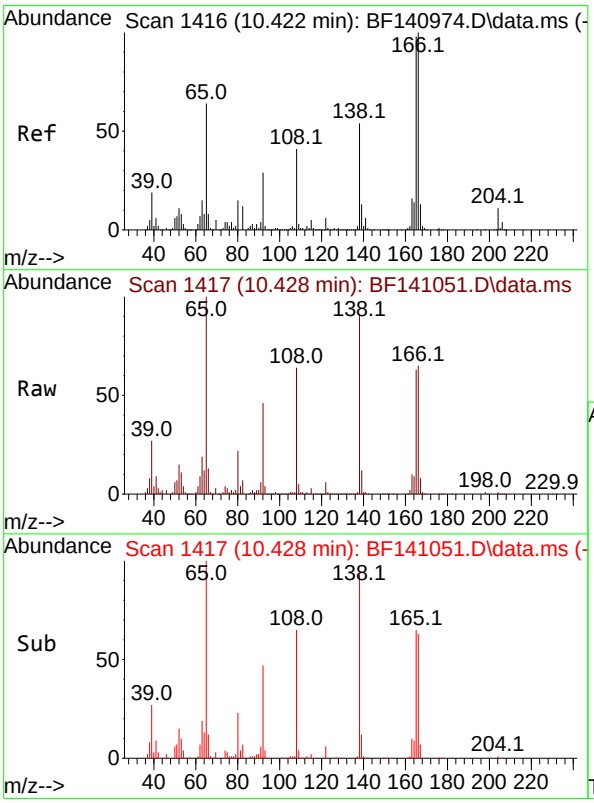
#61
4-Chlorophenyl-phenylether
Concen: 50.650 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:204 Resp: 773442

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.6
141	61.6	51.2	76.8

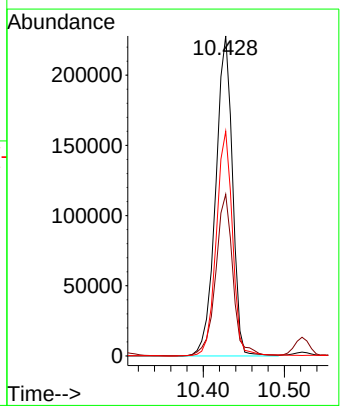


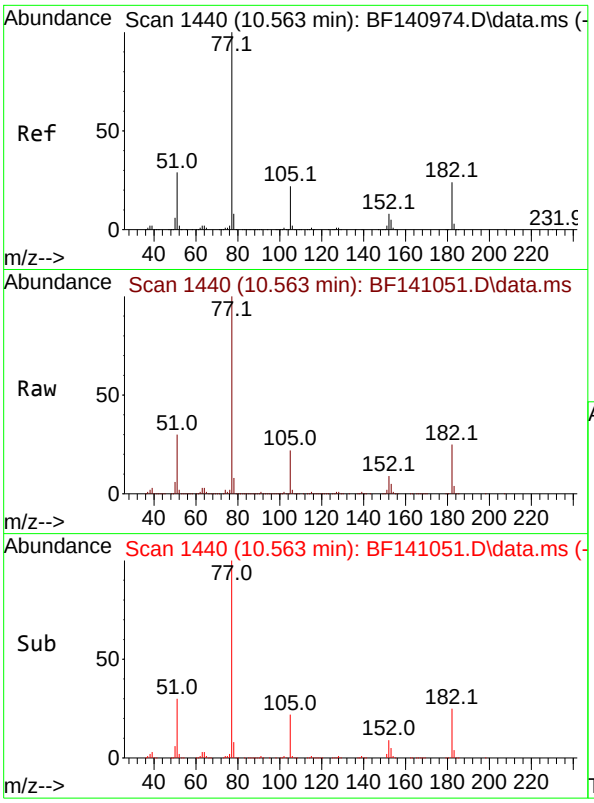


#62
4-Nitroaniline
Concen: 44.986 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:138 Resp: 328695

Ion	Ratio	Lower	Upper
138	100		
92	50.5	34.8	74.8
108	70.2	55.9	95.9



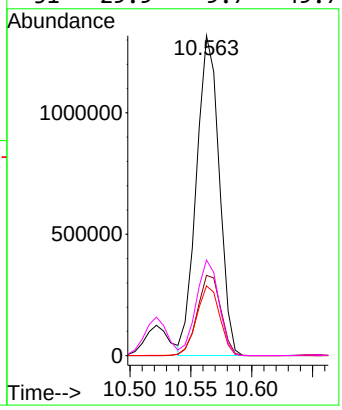


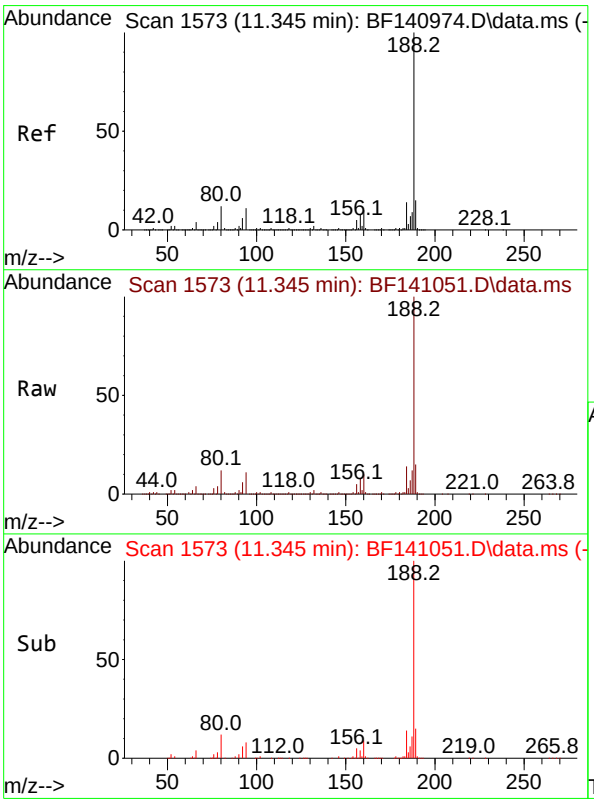
#63
Azobenzene
Concen: 49.822 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 77 Resp: 1711084

Ion	Ratio	Lower	Upper
77	100		
182	25.1	4.1	44.1
105	21.8	1.8	41.8
51	29.9	9.7	49.7

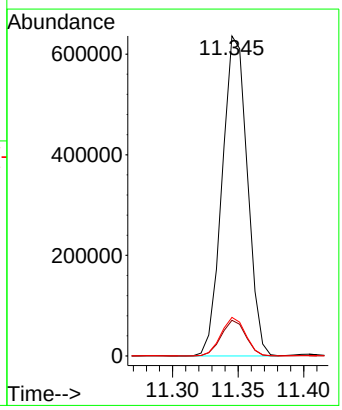


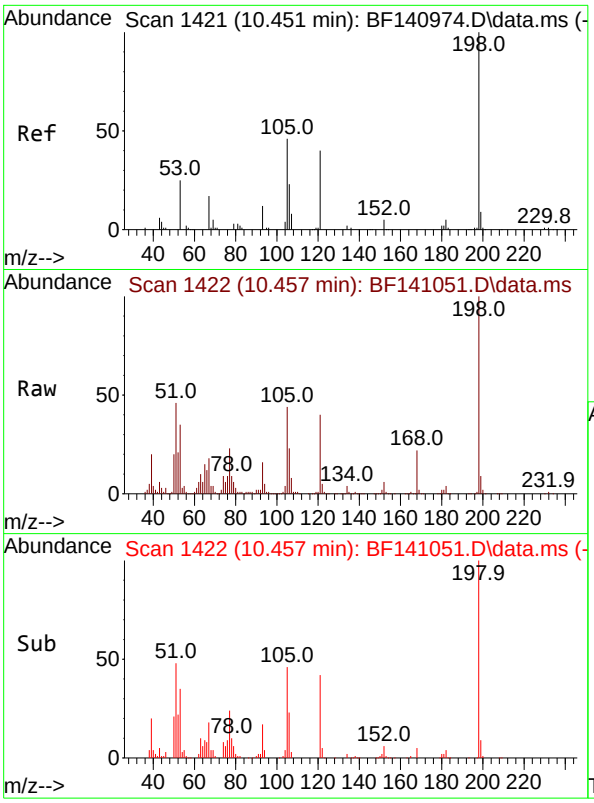


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:188 Resp: 849705

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.0	13.6
80	12.1	9.8	14.6



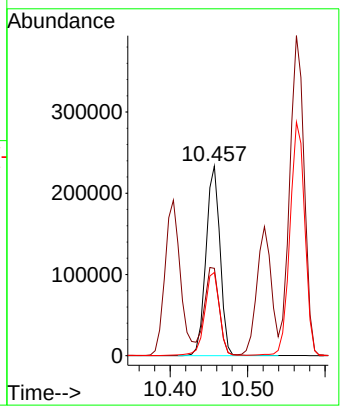


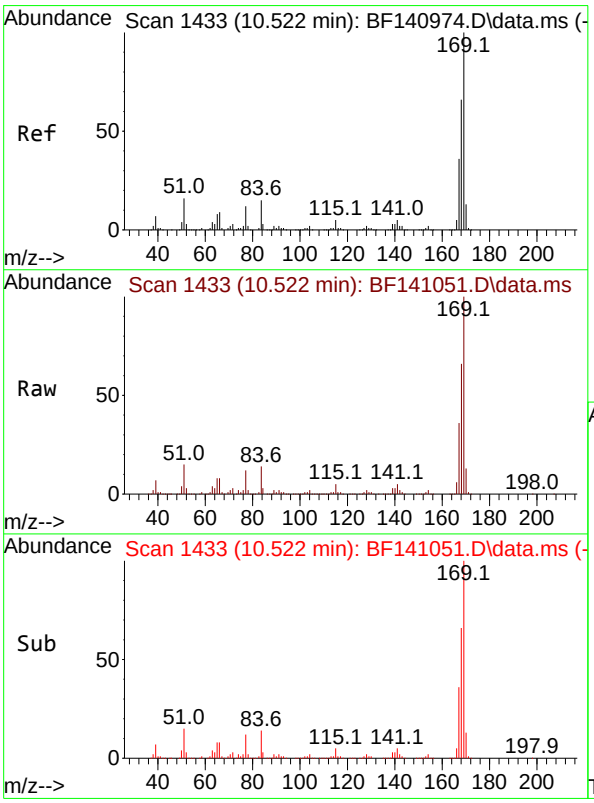
#65
4,6-Dinitro-2-methylphenol
Concen: 79.159 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:198 Resp: 293693

Ion	Ratio	Lower	Upper
198	100		
51	46.0	32.3	72.3
105	43.9	28.4	68.4

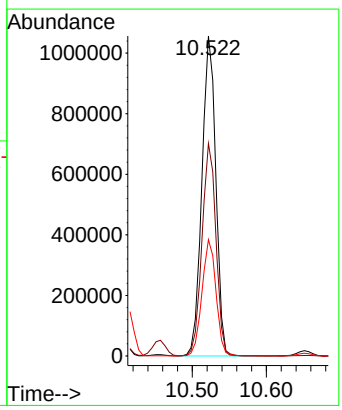


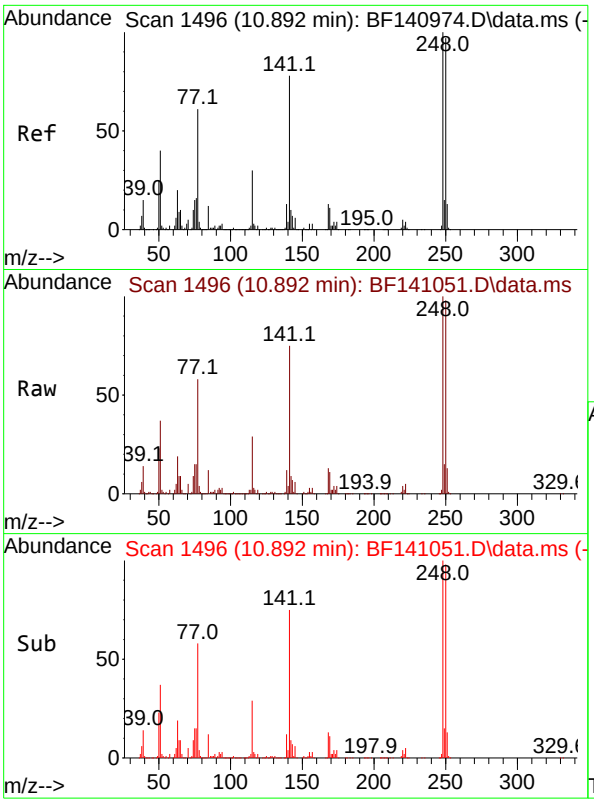


#66
n-Nitrosodiphenylamine
Concen: 51.370 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:169 Resp: 1374523

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.6	79.0
167	36.3	29.0	43.4



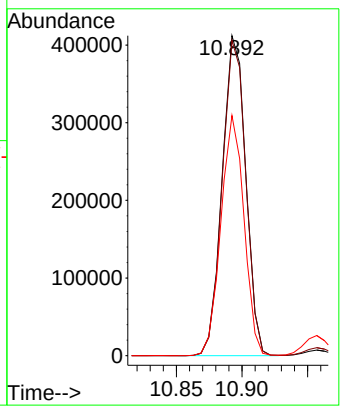


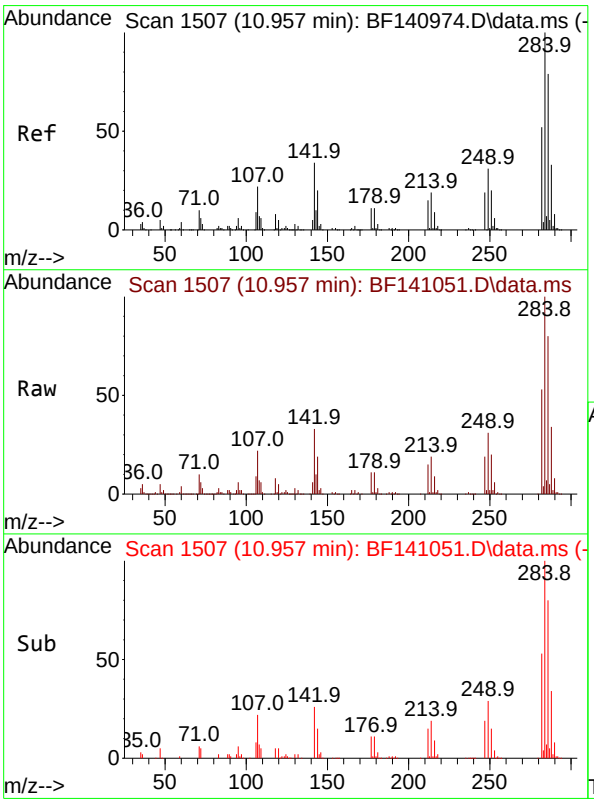
#67
4-Bromophenyl-phenylether
Concen: 56.097 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:248 Resp: 515279

Ion	Ratio	Lower	Upper
248	100		
250	98.5	77.7	116.5
141	75.0	62.1	93.1

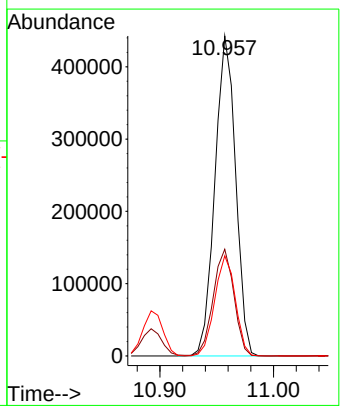


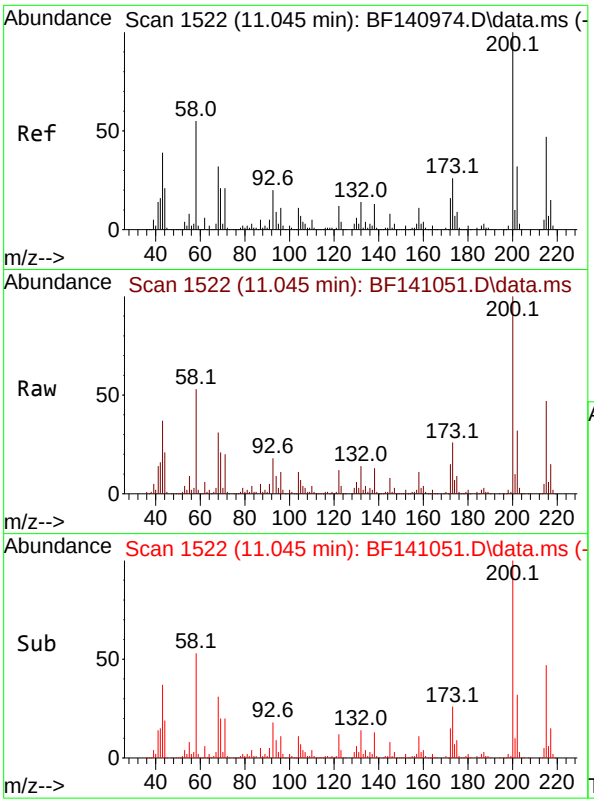


#68
Hexachlorobenzene
Concen: 55.296 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:284 Resp: 560058

Ion	Ratio	Lower	Upper
284	100		
142	33.4	27.1	40.7
249	31.3	25.1	37.7



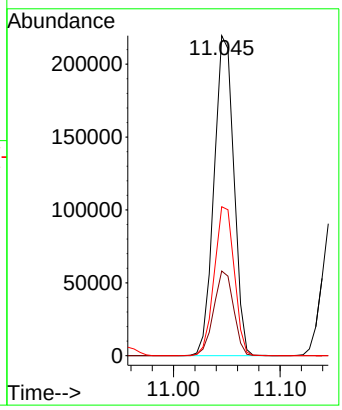


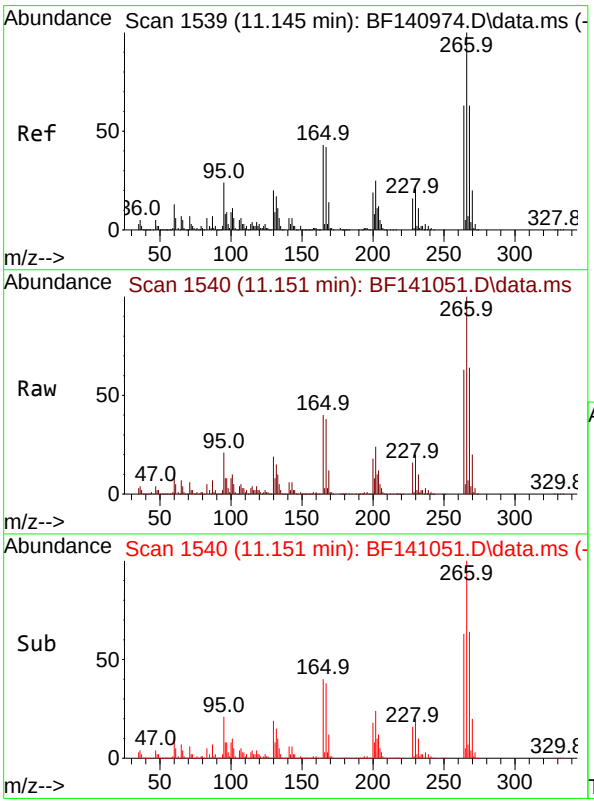
#69
Atrazine
Concen: 37.888 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:200 Resp: 283213

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.4	46.4
215	46.5	27.2	67.2

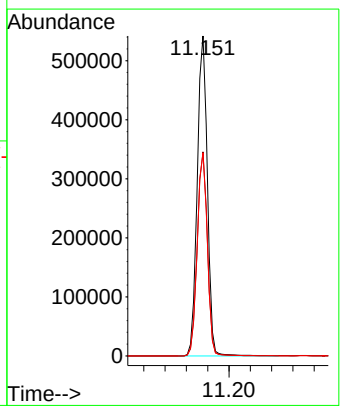


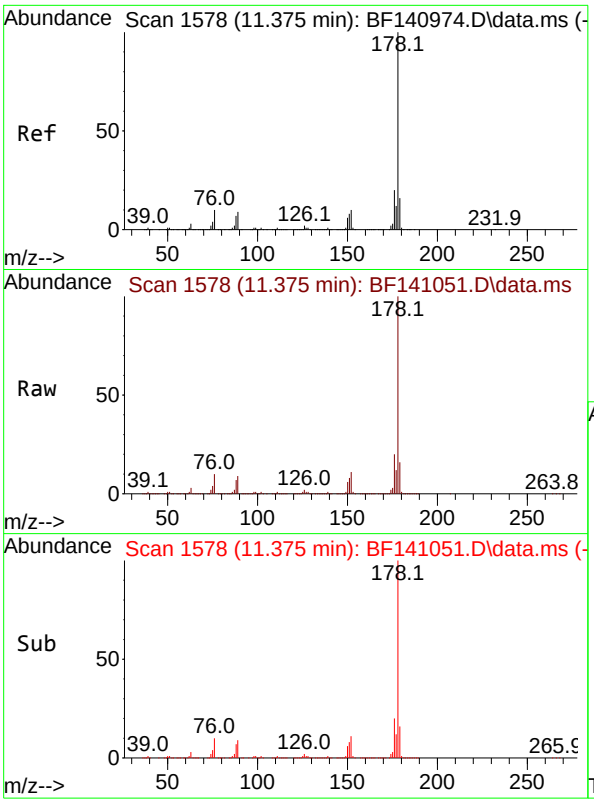


#70
Pentachlorophenol
Concen: 113.255 ng
RT: 11.151 min Scan# 1540
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:266 Resp: 714191

Ion	Ratio	Lower	Upper
266	100		
268	63.8	50.5	75.7
264	63.4	50.2	75.4



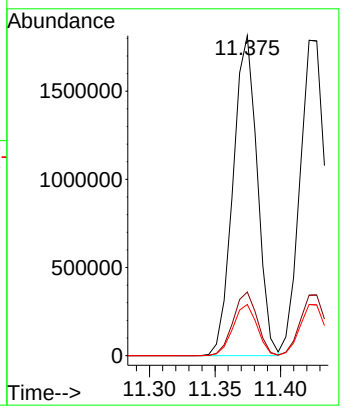


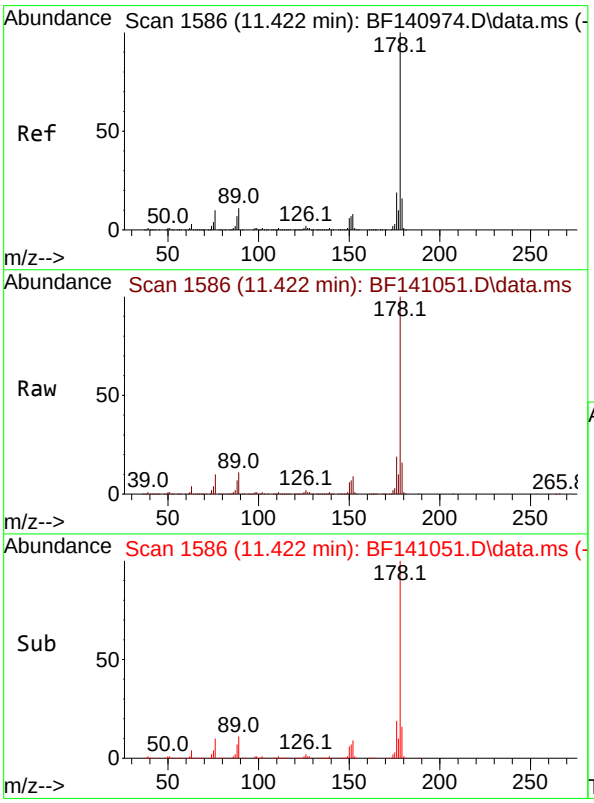
#71
Phenanthrene
Concen: 52.122 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:178 Resp: 2330937

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.6
179	16.0	12.6	19.0

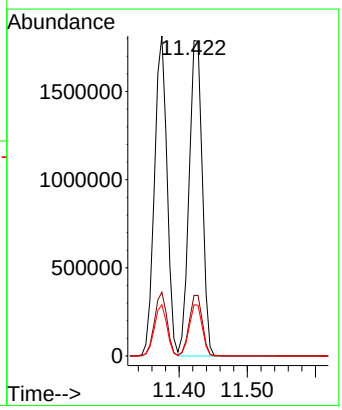


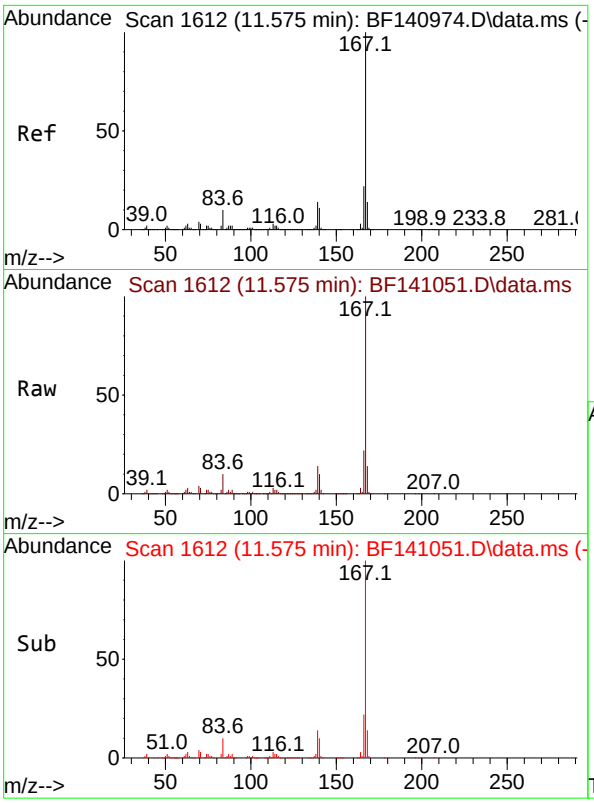


#72
Anthracene
Concen: 54.370 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:178 Resp: 2382528

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	16.2	12.9	19.3



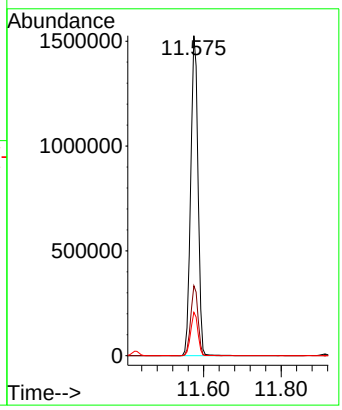


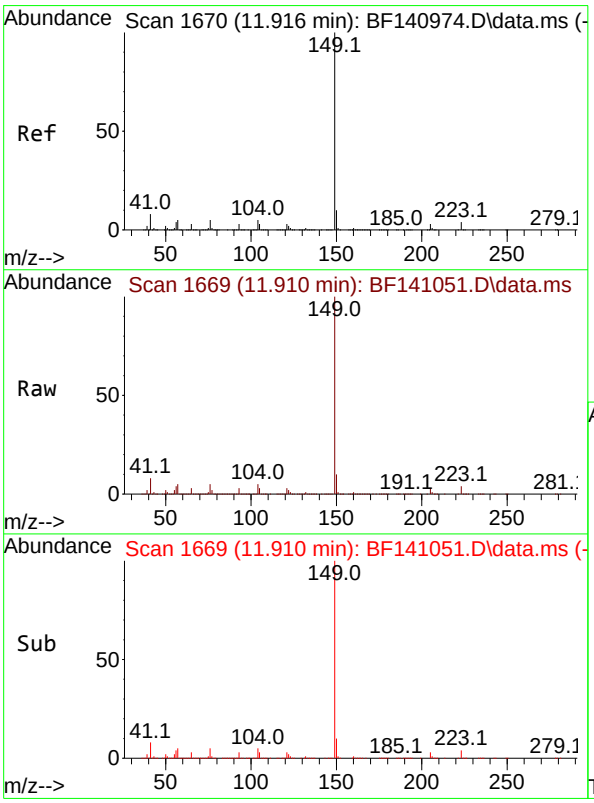
#73
Carbazole
Concen: 47.426 ng
RT: 11.575 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:167 Resp: 1997834

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.6	11.0	16.4

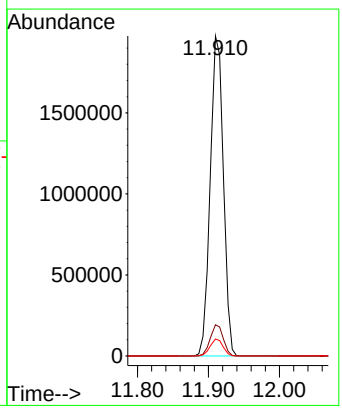


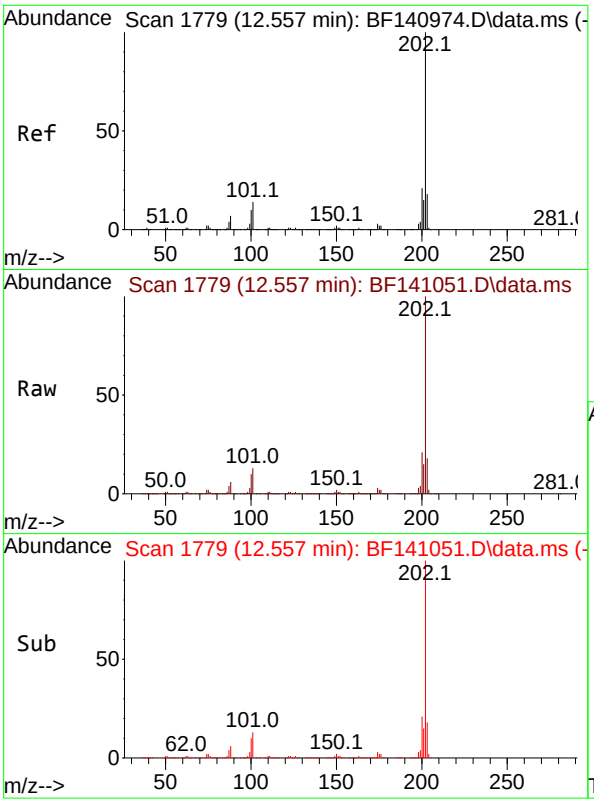


#74
Di-n-butylphthalate
Concen: 53.036 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:149 Resp: 2541145

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.7	11.5
104	5.3	4.1	6.1



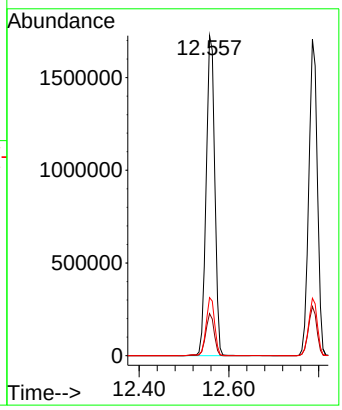


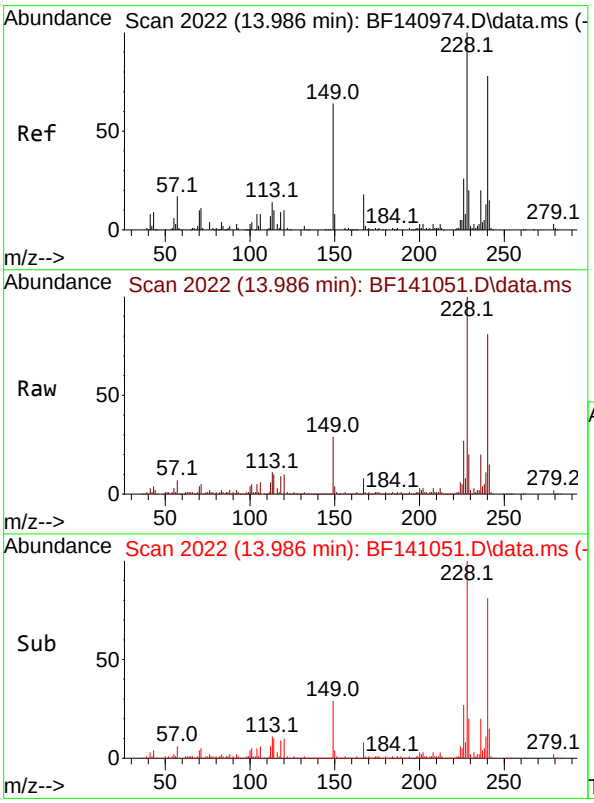
#75
Fluoranthene
Concen: 47.056 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:202 Resp: 2282314

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.7
203	18.2	0.0	38.1

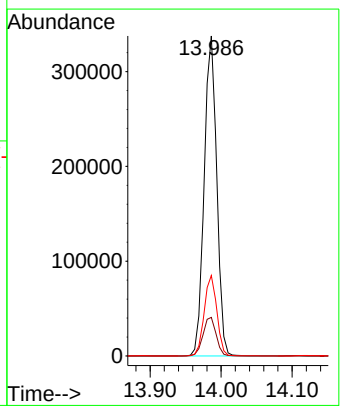


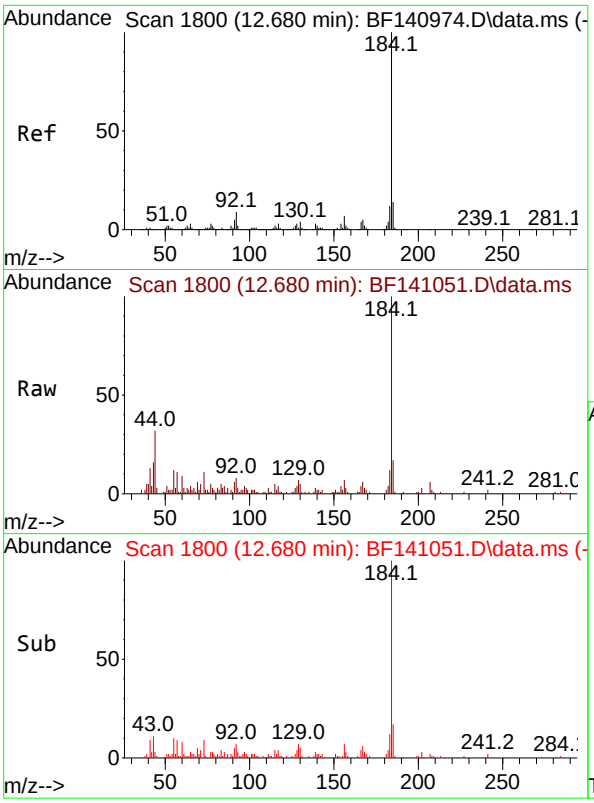


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:240 Resp: 416215

Ion	Ratio	Lower	Upper
240	100		
120	12.0	10.7	16.1
236	25.2	20.6	31.0



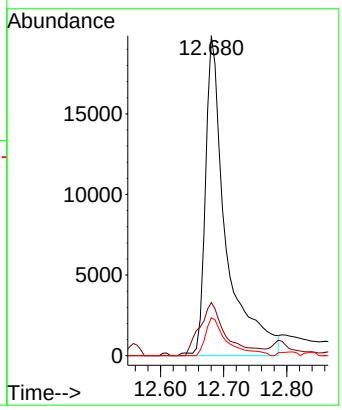


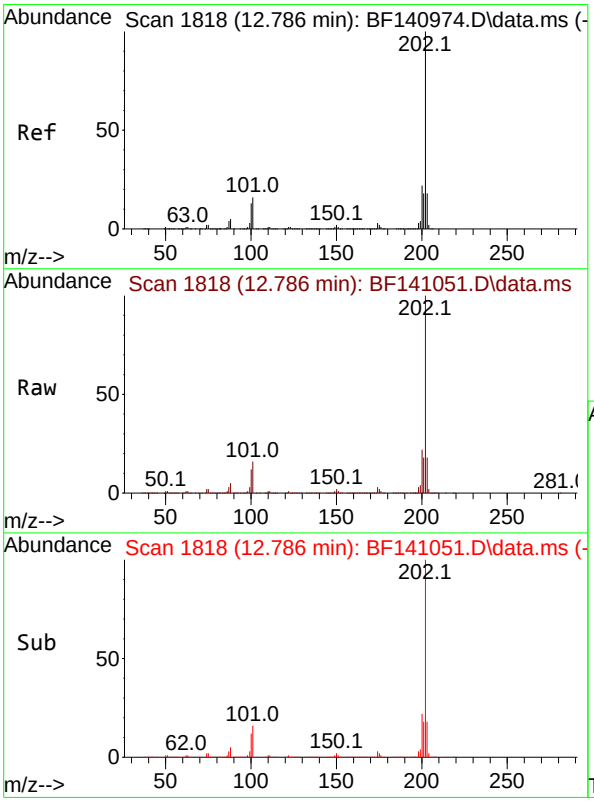
#77
Benzidine
Concen: 5.097 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:184 Resp: 44837

Ion	Ratio	Lower	Upper
184	100		
185	16.6	11.4	17.2
183	11.9	9.4	14.0

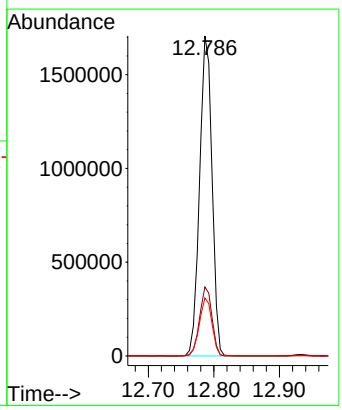


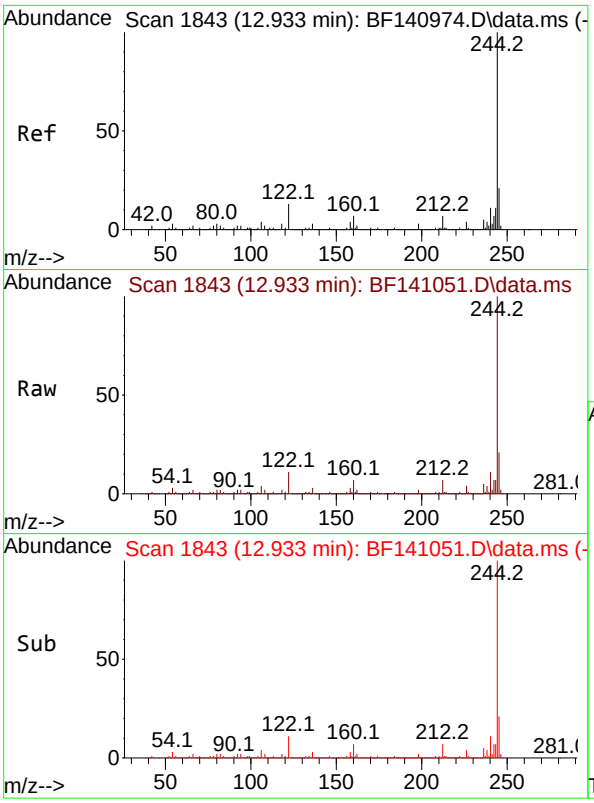


#78
Pyrene
Concen: 61.908 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:202 Resp: 2253520

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9
203	18.2	14.6	21.8



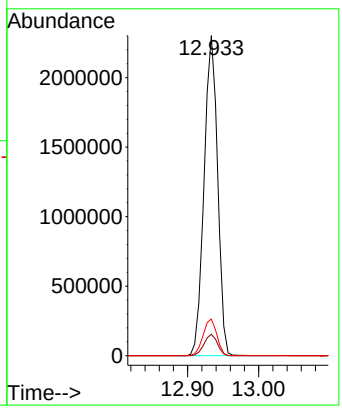


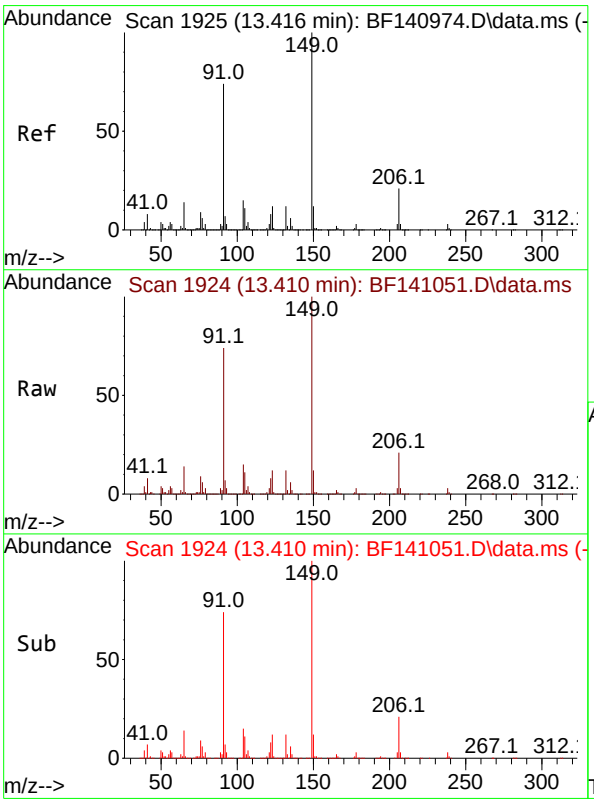
#79
Terphenyl-d14
Concen: 121.819 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:244 Resp: 3052555

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	11.4	10.2	15.2

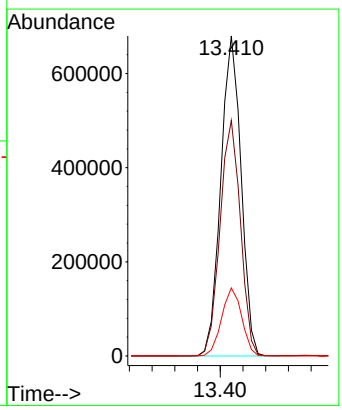


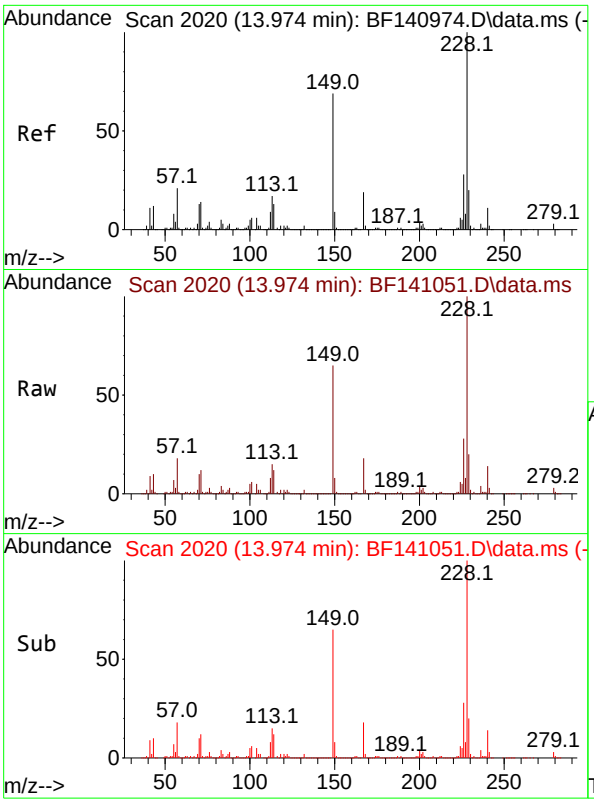


#80
Butylbenzylphthalate
Concen: 63.410 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:149 Resp: 842846

Ion	Ratio	Lower	Upper
149	100		
91	73.6	59.5	89.3
206	21.3	17.1	25.7



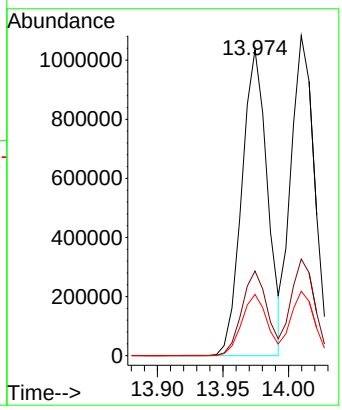


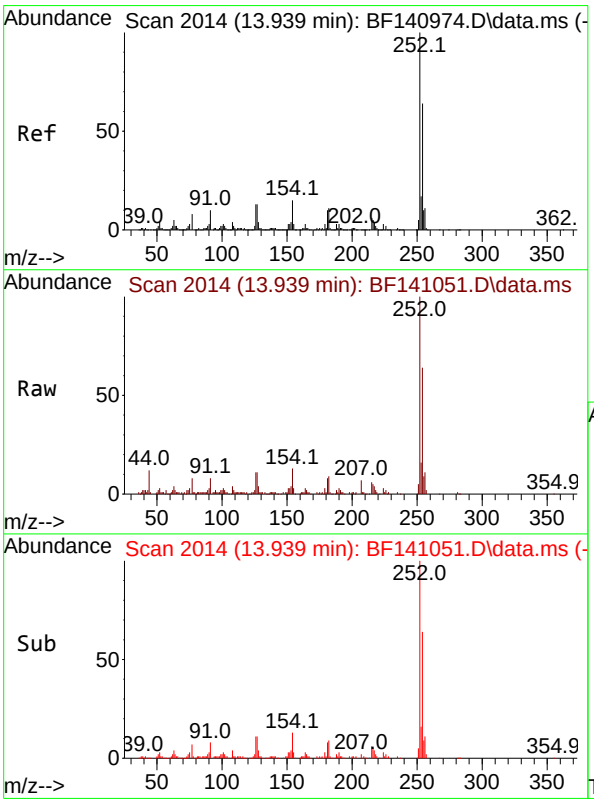
#81
Benzo(a)anthracene
Concen: 48.523 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:228 Resp: 1407543

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	20.0	16.2	24.2

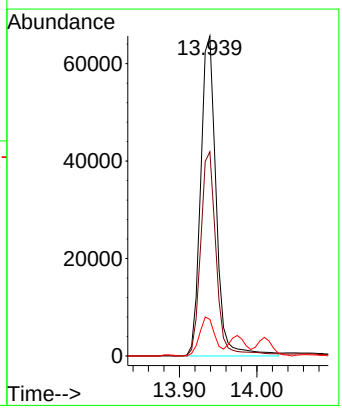


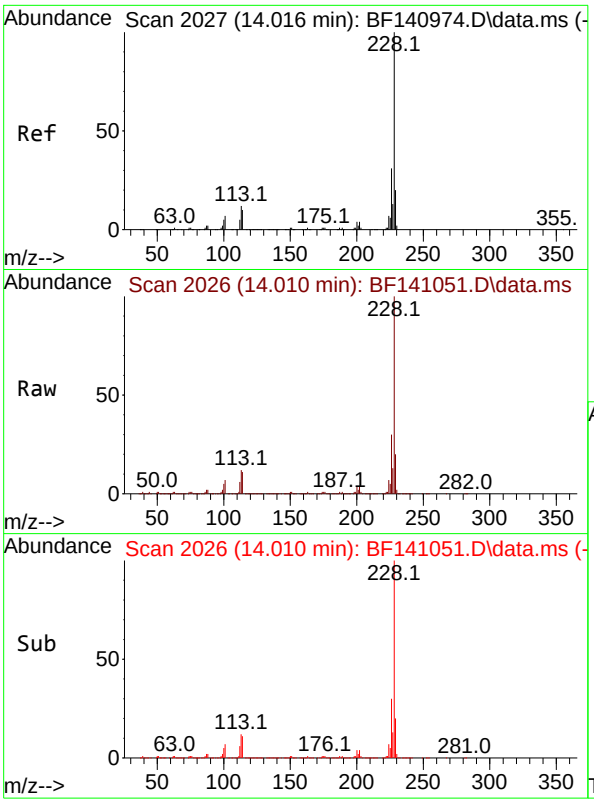


#82
3,3'-Dichlorobenzidine
Concen: 10.498 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:252 Resp: 91490

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.5	77.3
126	11.5	10.3	15.5



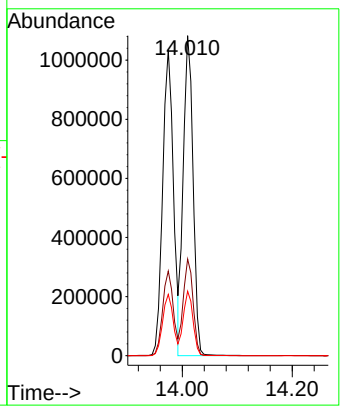


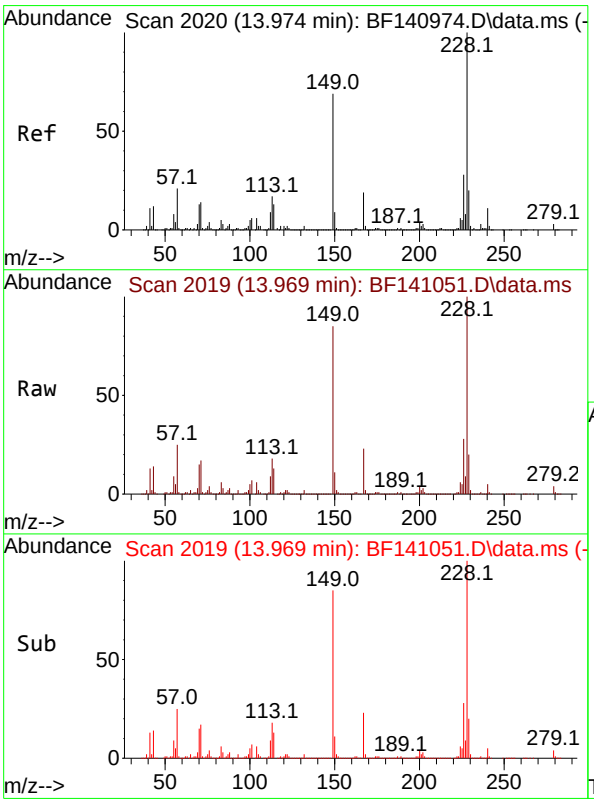
#83
Chrysene
Concen: 51.388 ng
RT: 14.010 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:228 Resp: 1343766

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.5	36.7
229	20.1	16.2	24.4

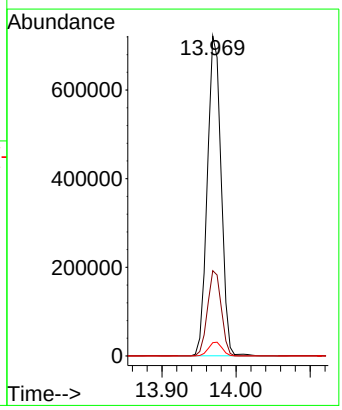


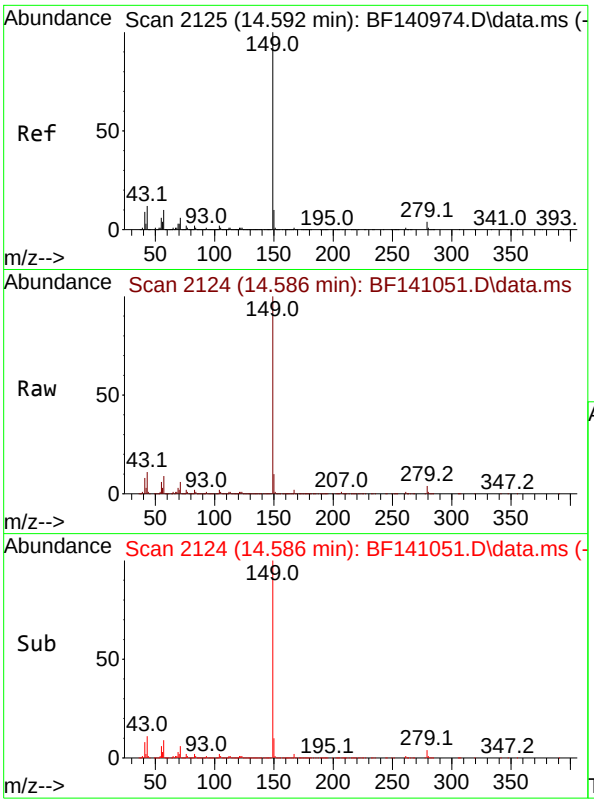


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.023 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:149 Resp: 931448

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.6	32.4
279	4.1	3.2	4.8



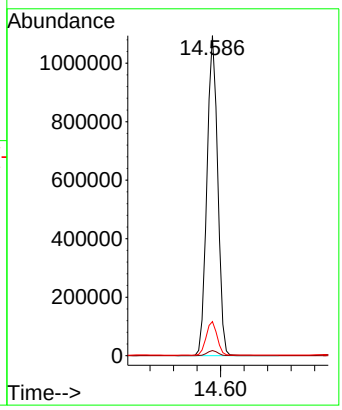


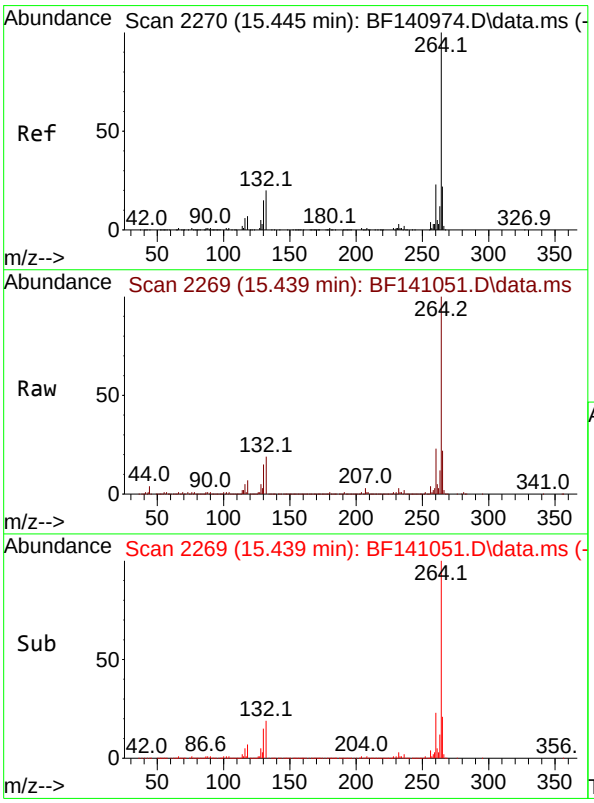
#85
Di-n-octyl phthalate
Concen: 55.553 ng
RT: 14.586 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:149 Resp: 1386309

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	10.6	9.3	13.9

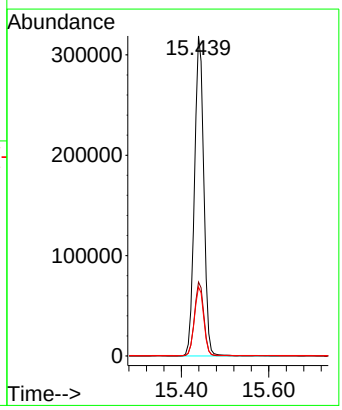


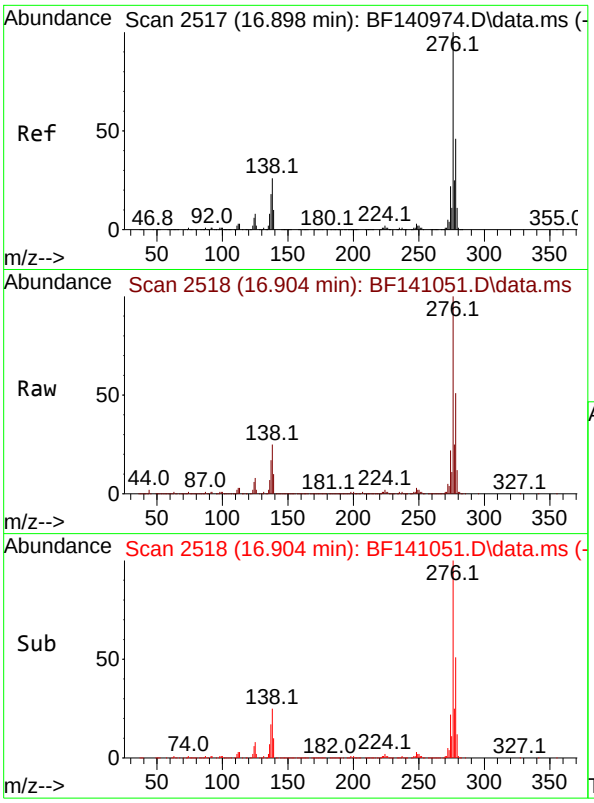


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:264 Resp: 472841

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.6	17.4	26.2



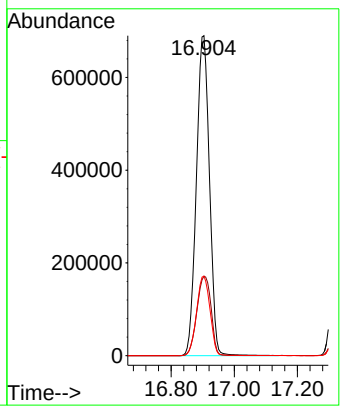


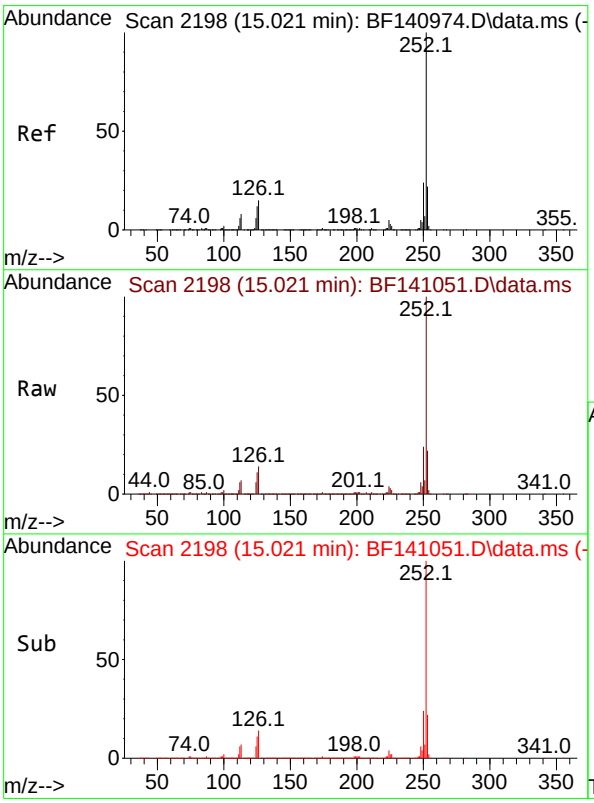
#87
Indeno(1,2,3-cd)pyrene
Concen: 66.588 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:276 Resp: 1983646

Ion	Ratio	Lower	Upper
276	100		
138	26.8	23.1	34.7
277	25.6	20.4	30.6

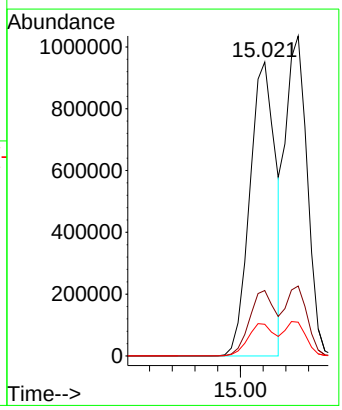


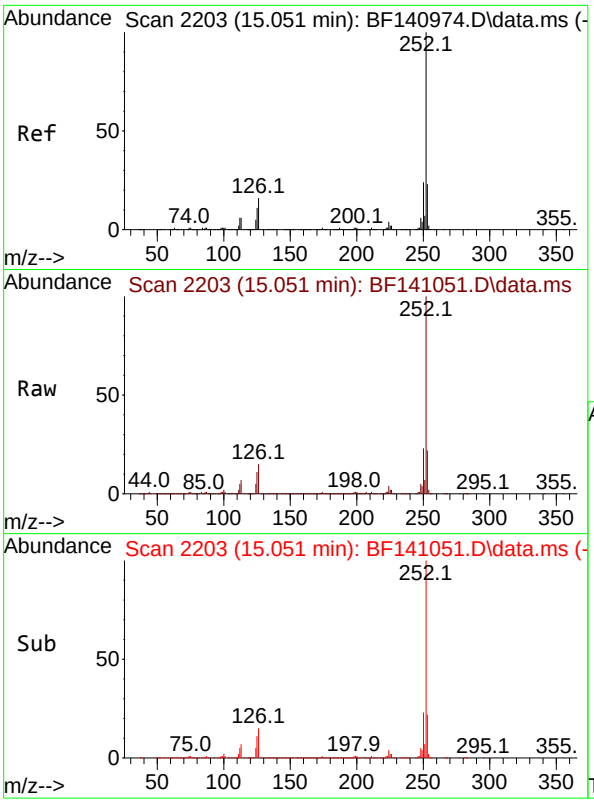


#88
Benzo(b)fluoranthene
Concen: 45.230 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:252 Resp: 1491587

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	10.8	9.3	13.9



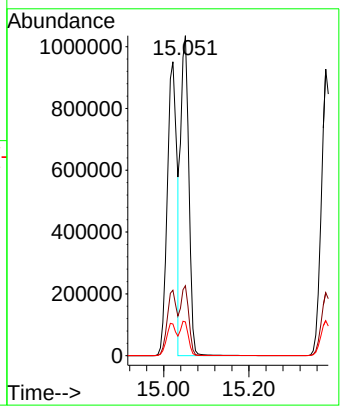


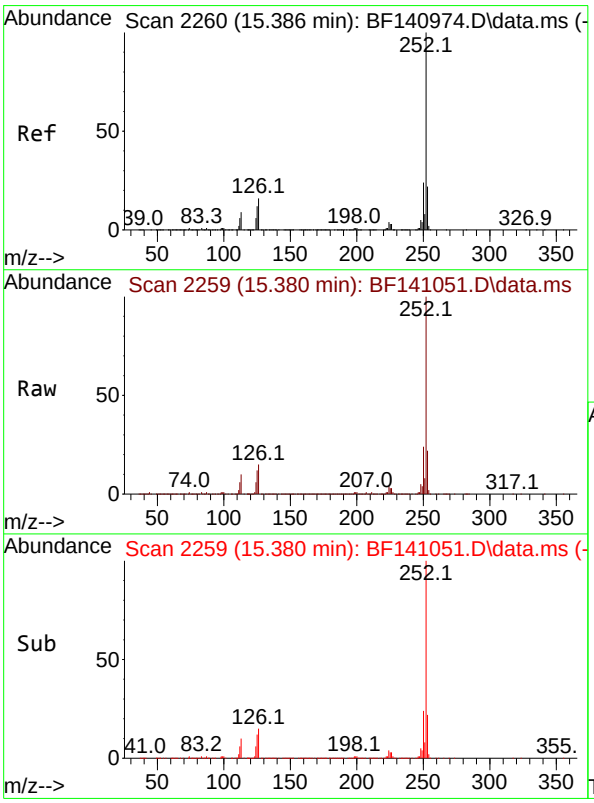
#89
Benzo(k)fluoranthene
Concen: 53.198 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:252 Resp: 1375012

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	10.5	9.4	14.0

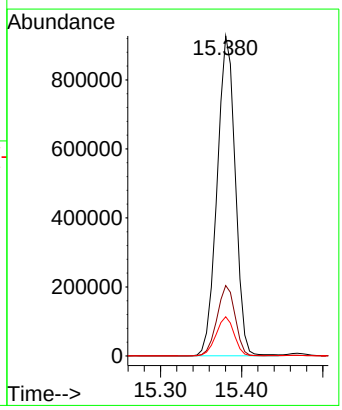


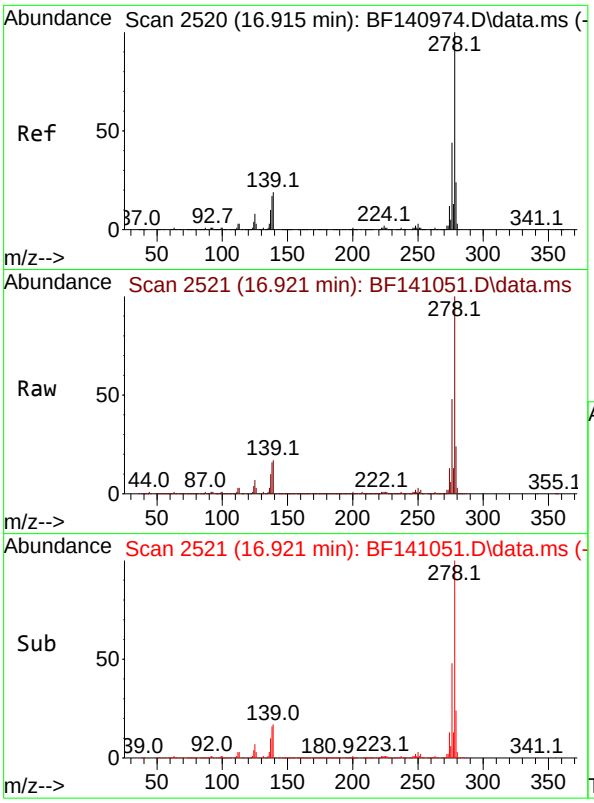


#90
Benzo(a)pyrene
Concen: 56.315 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:252 Resp: 1441471

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	12.2	9.8	14.8



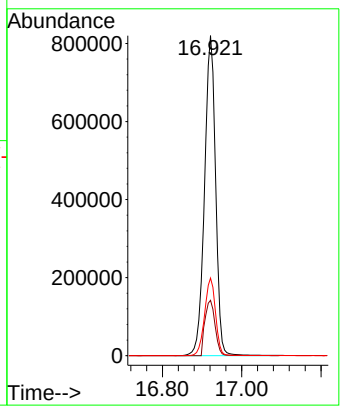


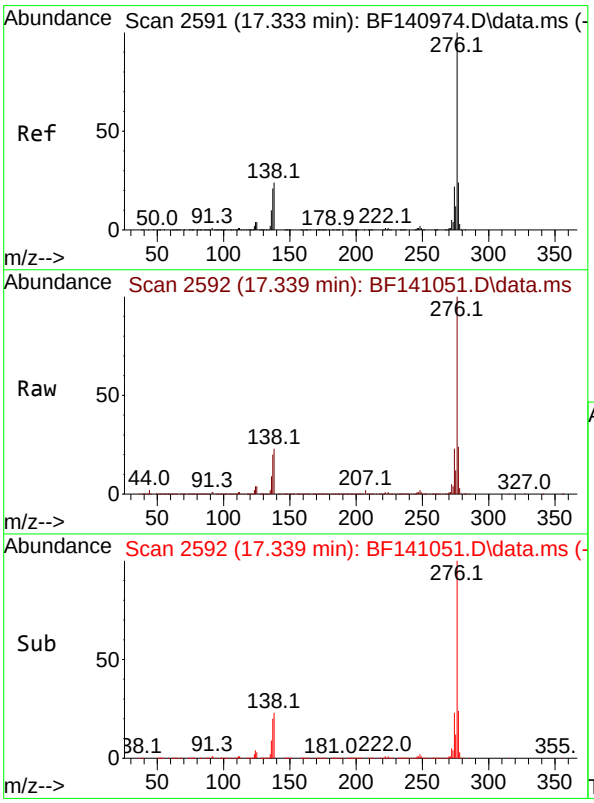
#91
Dibenzo(a,h)anthracene
Concen: 65.995 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:278 Resp: 1593652

Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.9	22.3
279	24.3	19.0	28.6

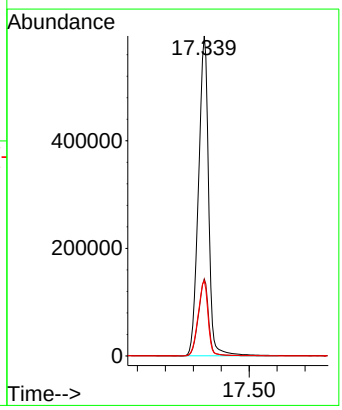




#92
Benzo(g,h,i)perylene
Concen: 59.450 ng
RT: 17.339 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF141051.D
Acq: 31 Dec 2024 11:49

Tgt Ion:276 Resp: 1488983

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	23.4	19.4	29.2



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141056.D
Acq On : 31 Dec 2024 14:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Dec 31 14:40:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	249528	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	962272	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	499397	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	814502	20.000	ng	0.00
76) Chrysene-d12	13.986	240	443018	20.000	ng	0.00
86) Perylene-d12	15.451	264	526376	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1270031	76.722	ng	0.00
7) Phenol-d6	6.451	99	1593100	74.706	ng	0.00
23) Nitrobenzene-d5	7.393	82	1427928	94.938	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	423622	87.297	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	2410223	76.894	ng	0.00
79) Terphenyl-d14	12.933	244	2173730	81.499	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.546	88	281801	37.601	ng	98
3) Pyridine	3.293	79	716772	39.135	ng	99
4) n-Nitrosodimethylamine	3.240	42	348144	37.516	ng	98
6) Aniline	6.493	93	747294	39.293	ng	99
8) 2-Chlorophenol	6.610	128	679197	38.916	ng	99
9) Benzaldehyde	6.381	77	472114	46.666	ng	97
10) Phenol	6.469	94	861726	39.080	ng	99
11) bis(2-Chloroethyl)ether	6.569	93	652516	36.649	ng	97
12) 1,3-Dichlorobenzene	6.769	146	746418	38.753	ng	99
13) 1,4-Dichlorobenzene	6.845	146	757478	39.011	ng	99
14) 1,2-Dichlorobenzene	6.998	146	698342	38.575	ng	99
15) Benzyl Alcohol	6.969	79	583022	38.046	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.104	45	974481	36.192	ng	99
17) 2-Methylphenol	7.075	107	546615	37.699	ng	100
18) Hexachloroethane	7.345	117	275573	39.952	ng	98
19) n-Nitroso-di-n-propyla...	7.240	70	465418	35.625	ng	99
20) 3+4-Methylphenols	7.228	107	683962	37.276	ng	99
22) Acetophenone	7.240	105	870975	36.896	ng	99
24) Nitrobenzene	7.410	77	744121	44.276	ng	97
25) Isophorone	7.651	82	1220258	37.283	ng	99
26) 2-Nitrophenol	7.728	139	347425	50.173	ng	98
27) 2,4-Dimethylphenol	7.757	122	458171	38.304	ng	99
28) bis(2-Chloroethoxy)met...	7.863	93	787156	37.959	ng	99
29) 2,4-Dichlorophenol	7.963	162	546273	40.267	ng	100
30) 1,2,4-Trichlorobenzene	8.051	180	608983	39.661	ng	100
31) Naphthalene	8.134	128	1942200	38.303	ng	99
32) Benzoic acid	7.863	122	479571	48.603	ng	97
33) 4-Chloroaniline	8.181	127	681942	37.176	ng	99
34) Hexachlorobutadiene	8.251	225	364036	40.216	ng	99
35) Caprolactam	8.545	113	173656	37.654	ng	96
36) 4-Chloro-3-methylphenol	8.651	107	578910	38.425	ng	99
37) 2-Methylnaphthalene	8.822	142	1238999	38.195	ng	100
38) 1-Methylnaphthalene	8.922	142	1209371	37.935	ng	99
40) 1,2,4,5-Tetrachloroben...	8.987	216	565798	41.182	ng	99
41) Hexachlorocyclopentadiene	8.975	237	216112	47.466	ng	98
43) 2,4,6-Trichlorophenol	9.092	196	395207	43.220	ng	100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141056.D
Acq On : 31 Dec 2024 14:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Dec 31 14:40:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

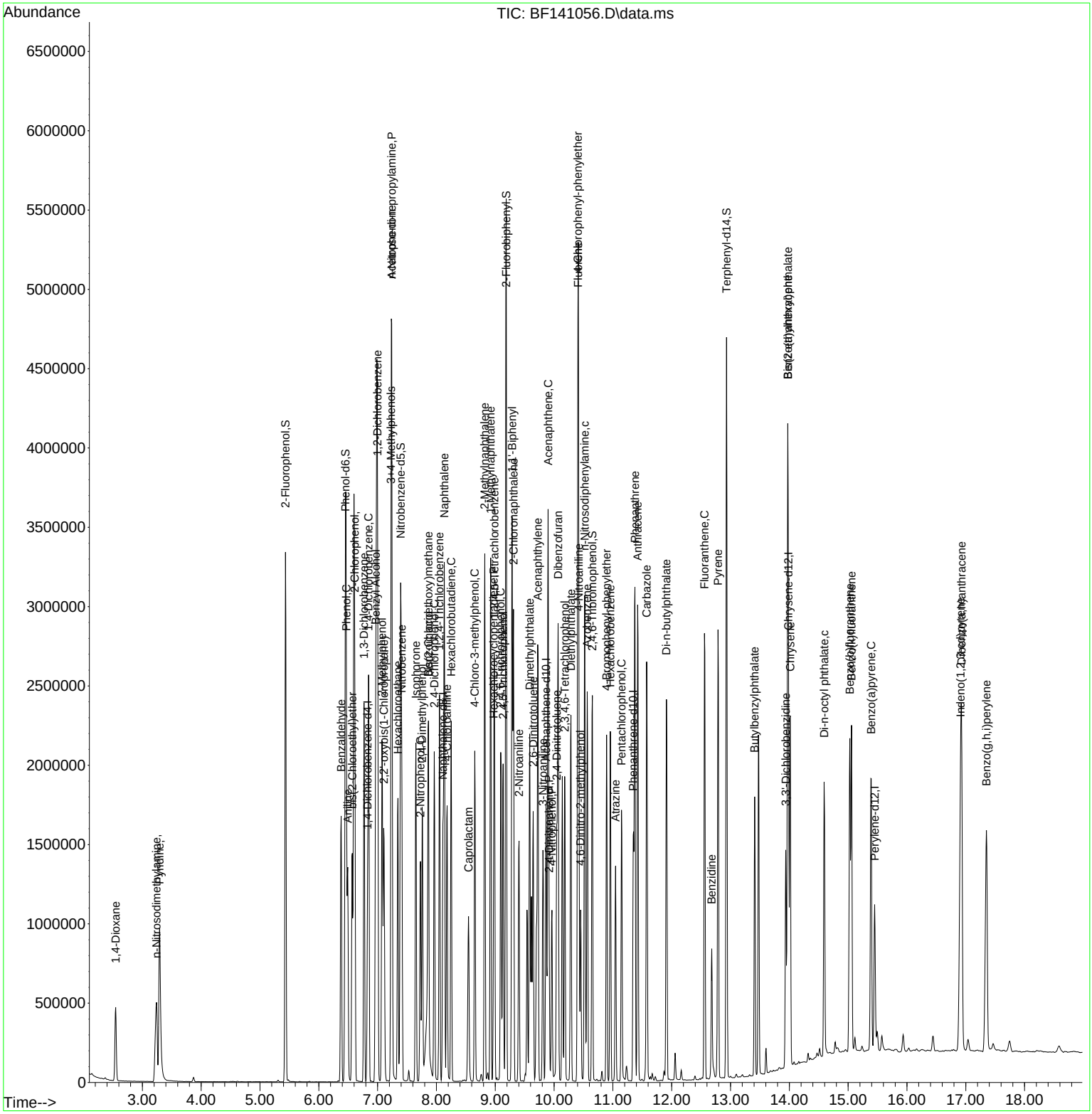
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.134	196	392351	41.935	ng		97
46) 1,1'-Biphenyl	9.287	154	1507181	39.415	ng		100
47) 2-Chloronaphthalene	9.310	162	1180472	39.805	ng		98
48) 2-Nitroaniline	9.404	65	358698	46.405	ng		93
49) Acenaphthylene	9.722	152	1670081	39.119	ng		99
50) Dimethylphthalate	9.586	163	1261720	38.410	ng		100
51) 2,6-Dinitrotoluene	9.645	165	300908	45.153	ng		95
52) Acenaphthene	9.898	154	1170619	40.559	ng		99
53) 3-Nitroaniline	9.810	138	313010	43.308	ng	#	92
54) 2,4-Dinitrophenol	9.916	184	147869	62.472	ng	#	1
55) Dibenzofuran	10.069	168	1566244	38.614	ng		98
56) 4-Nitrophenol	9.963	139	247878	44.114	ng		94
57) 2,4-Dinitrotoluene	10.045	165	392109	47.848	ng		94
58) Fluorene	10.410	166	1199483	38.136	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.181	232	323996	41.813	ng		97
60) Diethylphthalate	10.286	149	1221862	37.678	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	588670	38.896	ng		97
62) 4-Nitroaniline	10.422	138	296073	41.190	ng		93
63) Azobenzene	10.563	77	1242068	36.490	ng		98
65) 4,6-Dinitro-2-methylph...	10.451	198	198270	58.512	ng		98
66) n-Nitrosodiphenylamine	10.522	169	1037613	40.455	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	376460	42.756	ng		98
68) Hexachlorobenzene	10.957	284	405210	41.736	ng		100
69) Atrazine	11.045	200	221886	30.966	ng		100
70) Pentachlorophenol	11.145	266	272964	45.157	ng		99
71) Phenanthrene	11.375	178	1673884	39.047	ng		99
72) Anthracene	11.422	178	1643512	39.126	ng		99
73) Carbazole	11.575	167	1476517	36.565	ng		100
74) Di-n-butylphthalate	11.910	149	1697159	36.952	ng		100
75) Fluoranthene	12.557	202	1609109	34.610	ng		99
77) Benzidine	12.680	184	458201	48.939	ng		100
78) Pyrene	12.786	202	1594512	41.154	ng		100
80) Butylbenzylphthalate	13.410	149	547942	38.729	ng		99
81) Benzo(a)anthracene	13.974	228	1141986	36.987	ng		99
82) 3,3'-Dichlorobenzidine	13.939	252	414921	44.728	ng		100
83) Chrysene	14.016	228	1126963	40.489	ng		99
84) Bis(2-ethylhexyl)phtha...	13.974	149	675459	36.806	ng		99
85) Di-n-octyl phthalate	14.592	149	1109654	41.777	ng		98
87) Indeno(1,2,3-cd)pyrene	16.910	276	1547781	46.672	ng		97
88) Benzo(b)fluoranthene	15.027	252	1181314	32.178	ng		99
89) Benzo(k)fluoranthene	15.057	252	1136896	39.512	ng		99
90) Benzo(a)pyrene	15.392	252	1083487	38.024	ng		99
91) Dibenzo(a,h)anthracene	16.927	278	1241441	46.181	ng		99
92) Benzo(g,h,i)perylene	17.351	276	1323696	47.475	ng		98

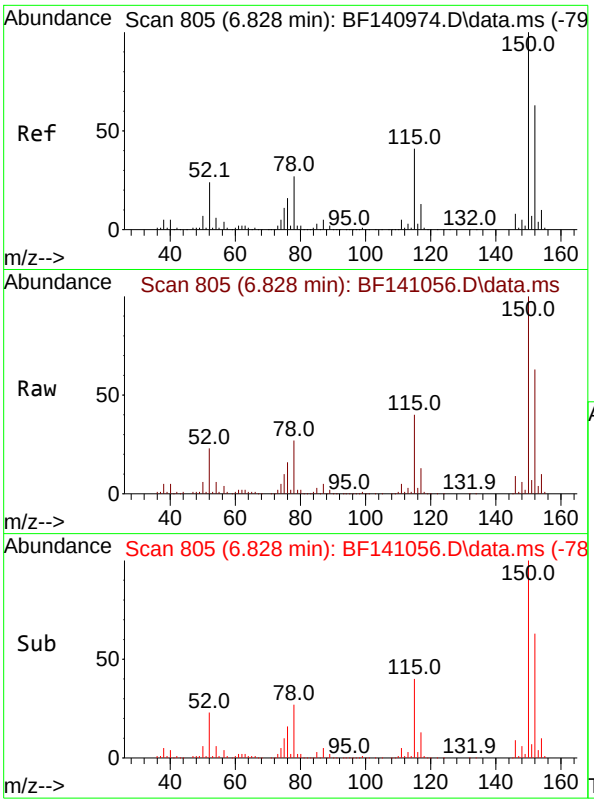
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123124\
Data File : BF141056.D
Acq On : 31 Dec 2024 14:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Dec 31 14:40:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



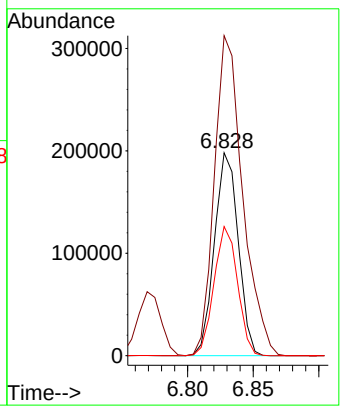


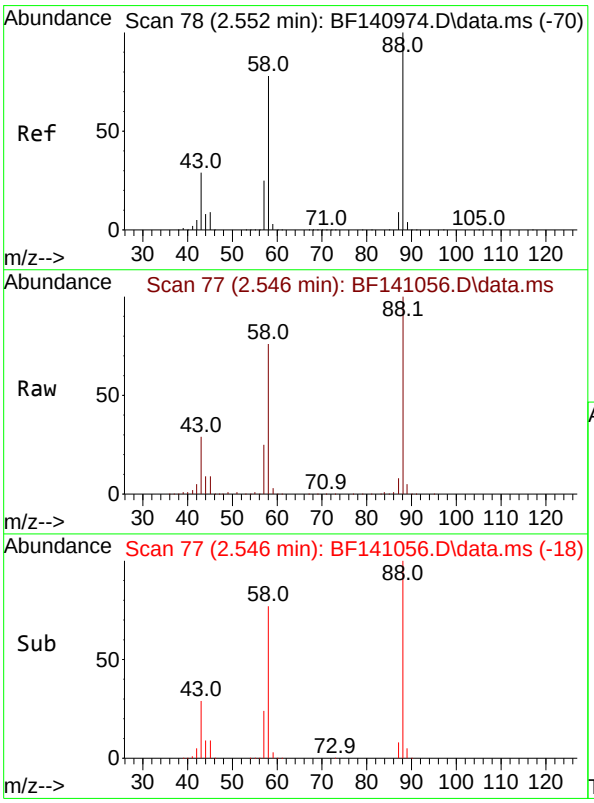
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 249528

Ion	Ratio	Lower	Upper
152	100		
150	157.8	127.0	190.6
115	63.6	51.7	77.5

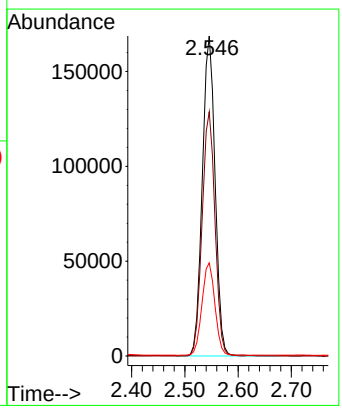


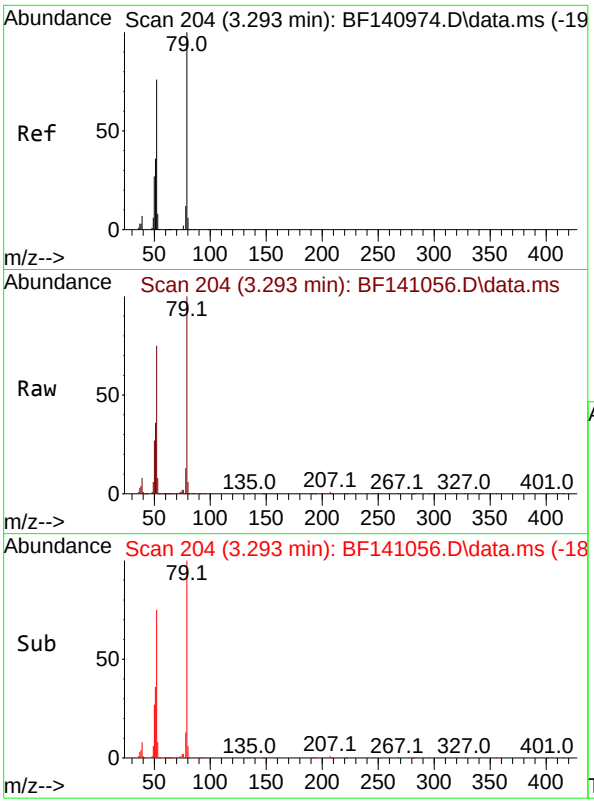


#2
1,4-Dioxane
Concen: 37.601 ng
RT: 2.546 min Scan# 77
Delta R.T. -0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 88 Resp: 281801

Ion	Ratio	Lower	Upper
88	100		
58	76.5	63.0	94.4
43	29.2	23.4	35.2



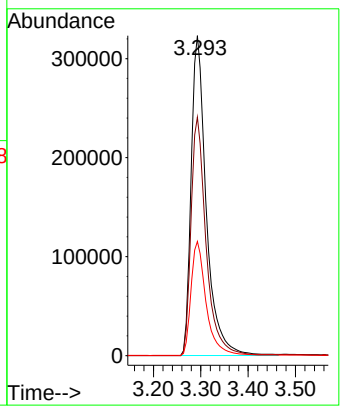


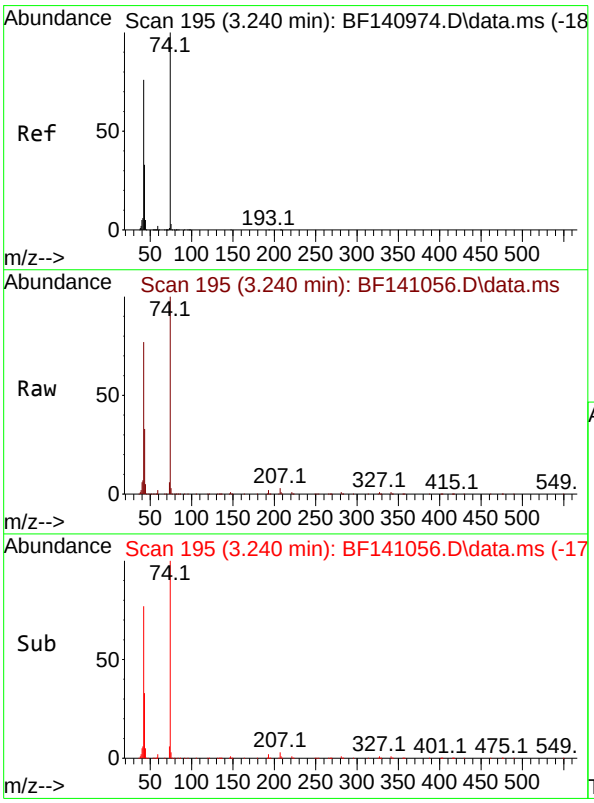
#3
Pyridine
Concen: 39.135 ng
RT: 3.293 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 716772

Ion	Ratio	Lower	Upper
79	100		
52	74.6	60.4	90.6
51	35.7	28.8	43.2

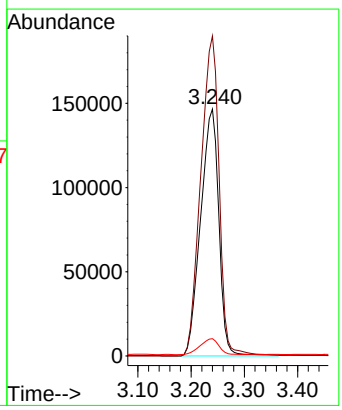


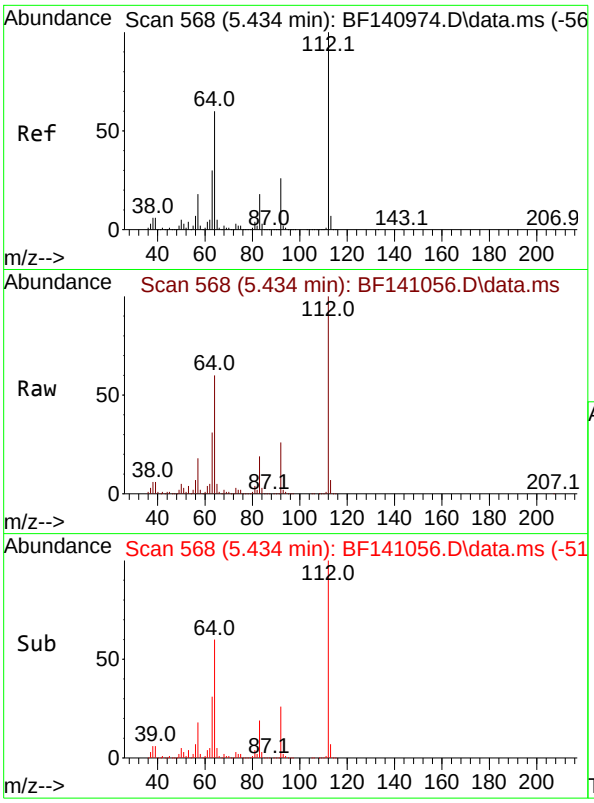


#4
n-Nitrosodimethylamine
Concen: 37.516 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 42 Resp: 348144

Ion	Ratio	Lower	Upper
42	100		
74	129.6	105.8	158.6
44	7.0	6.6	10.0



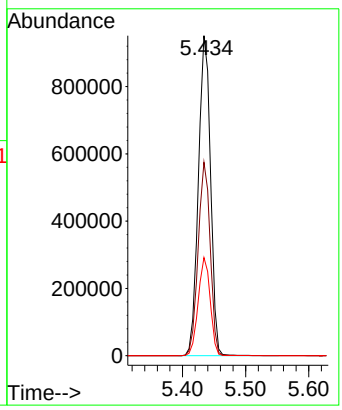


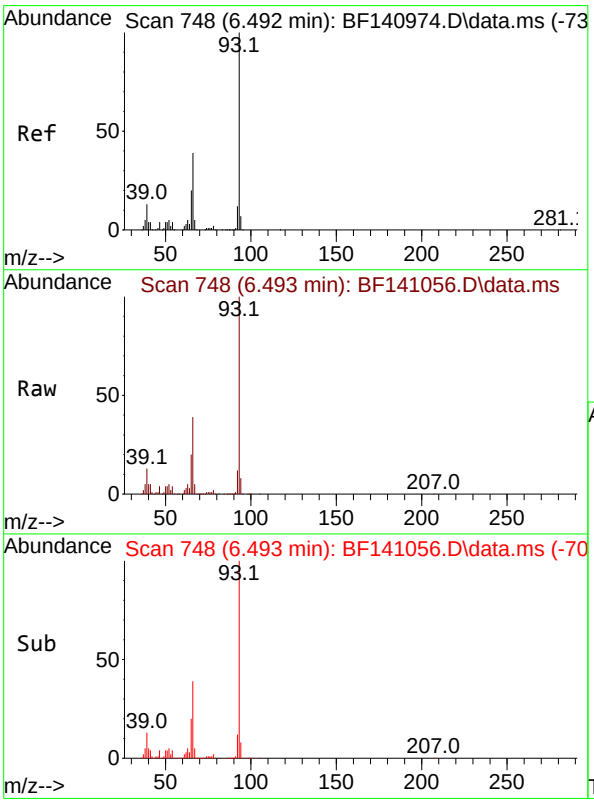
#5
2-Fluorophenol
Concen: 76.722 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 1270031

Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.7	71.5
63	30.6	24.2	36.2

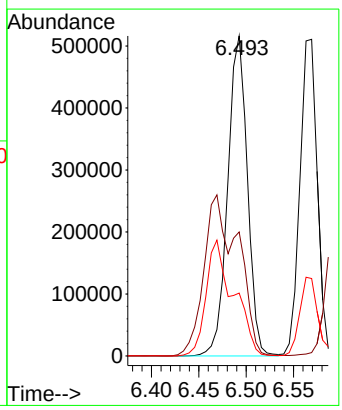


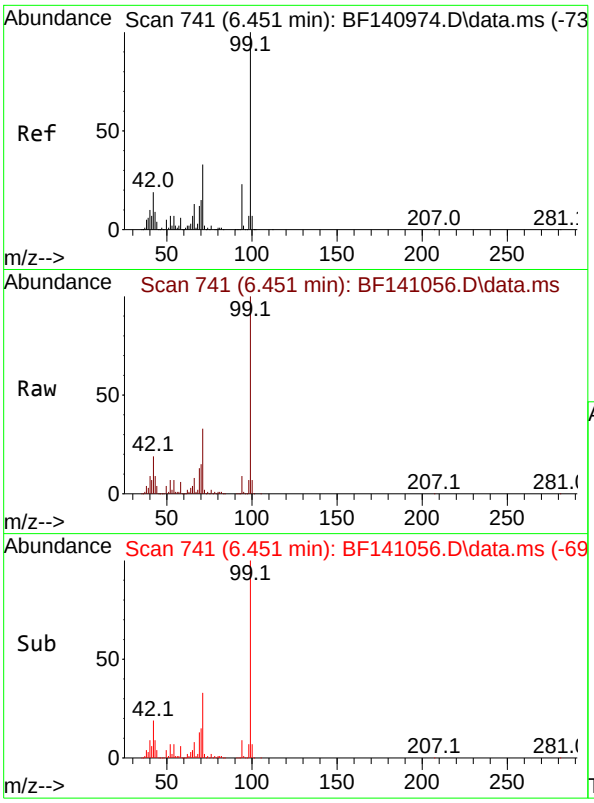


#6
Aniline
Concen: 39.293 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 93 Resp: 747294

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.8	47.8
65	19.7	15.4	23.0



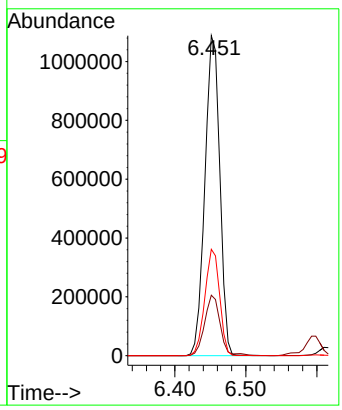


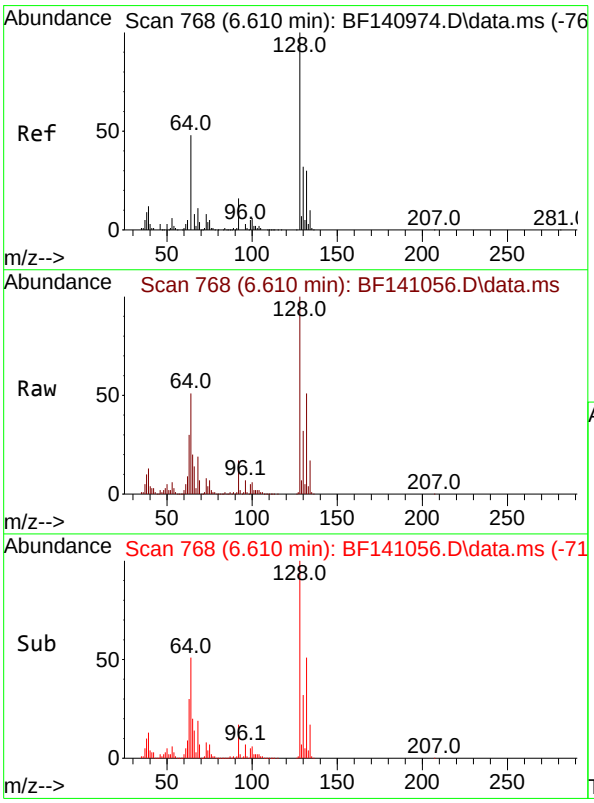
#7
Phenol-d6
Concen: 74.706 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 1593100

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.0	22.4
71	33.3	26.2	39.2

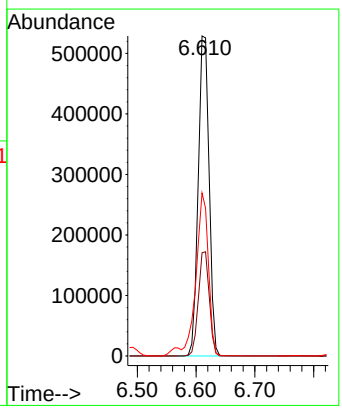


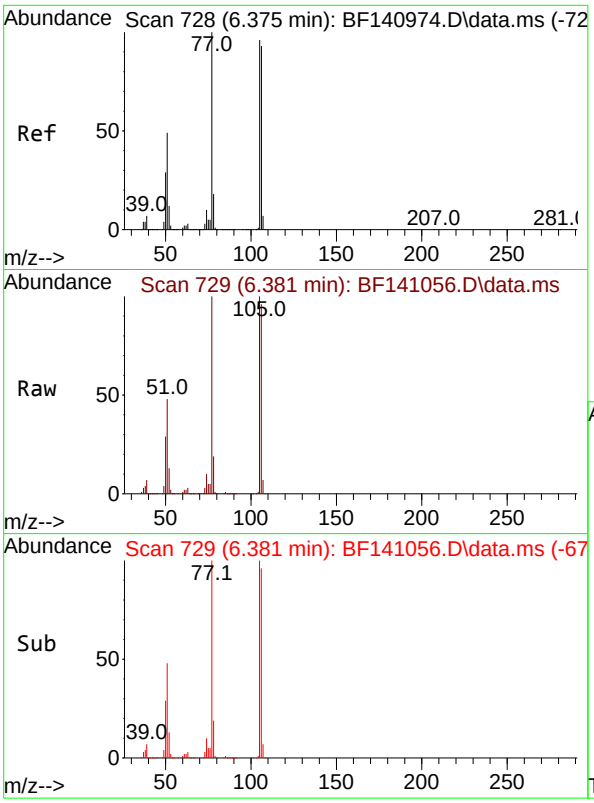


#8
2-Chlorophenol
Concen: 38.916 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:128 Resp: 679197

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.2	52.2
64	50.9	30.3	70.3



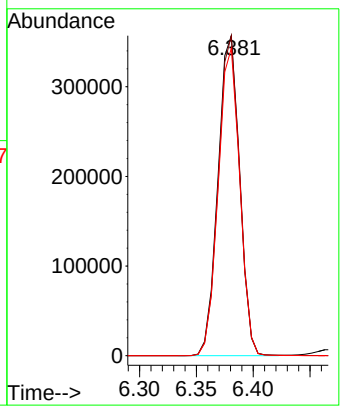


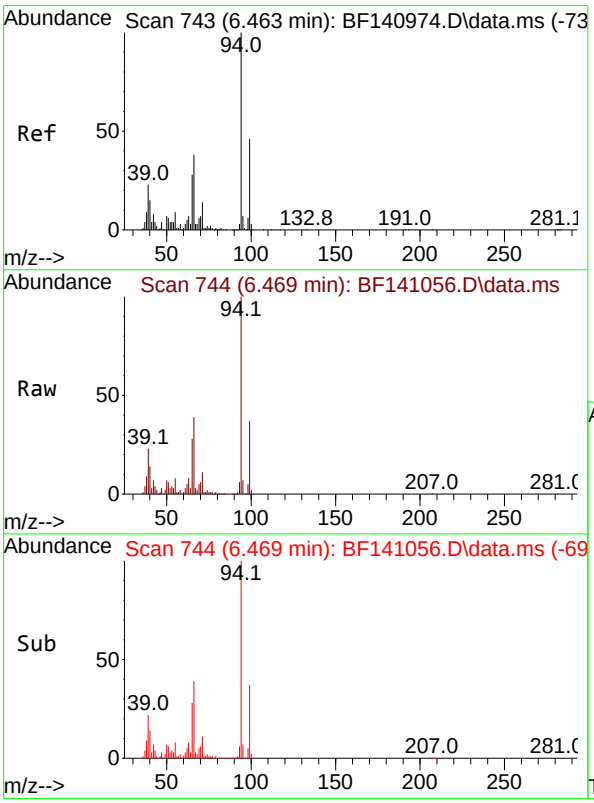
#9
Benzaldehyde
Concen: 46.666 ng
RT: 6.381 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 472114

Ion	Ratio	Lower	Upper
77	100		
105	99.9	76.2	116.2
106	96.1	73.4	113.4

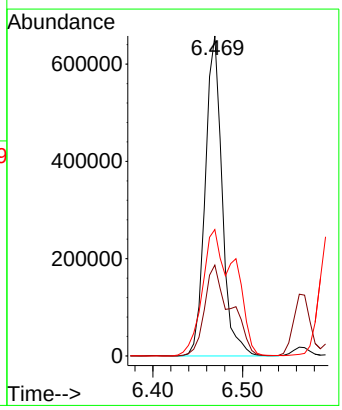


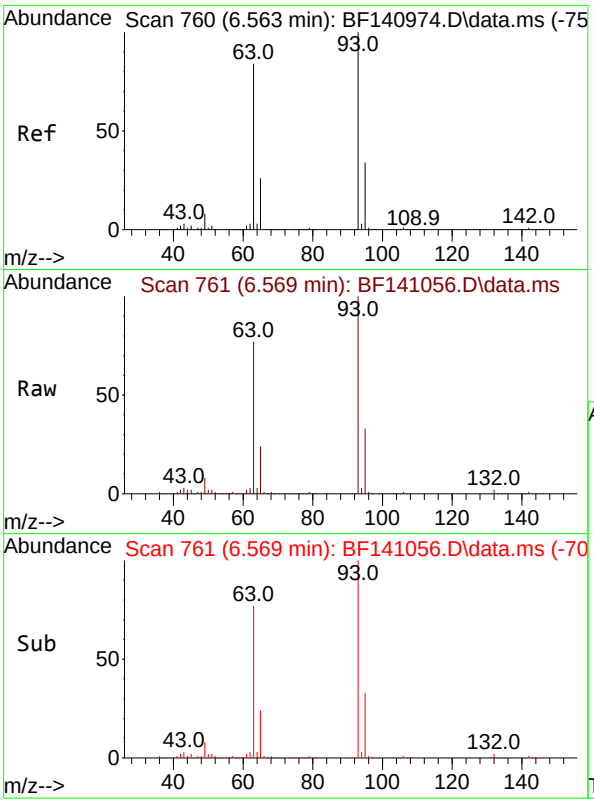


#10
Phenol
Concen: 39.080 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 94 Resp: 861726

Ion	Ratio	Lower	Upper
94	100		
65	28.4	8.1	48.1
66	39.5	18.7	58.7



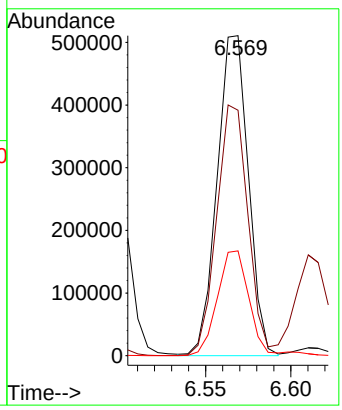


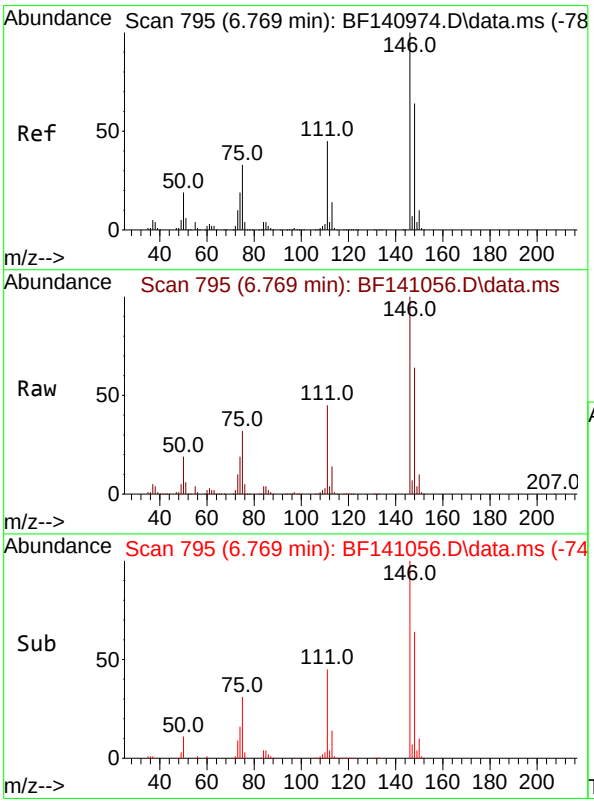
#11
bis(2-Chloroethyl)ether
Concen: 36.649 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 652516

Ion	Ratio	Lower	Upper
93	100		
63	76.7	60.3	100.3
95	32.7	12.2	52.2

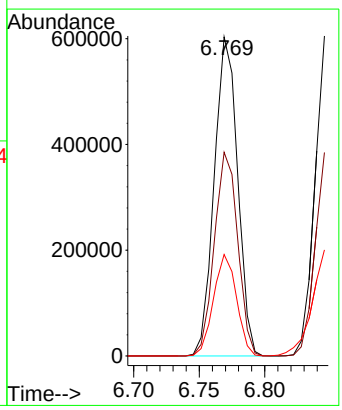


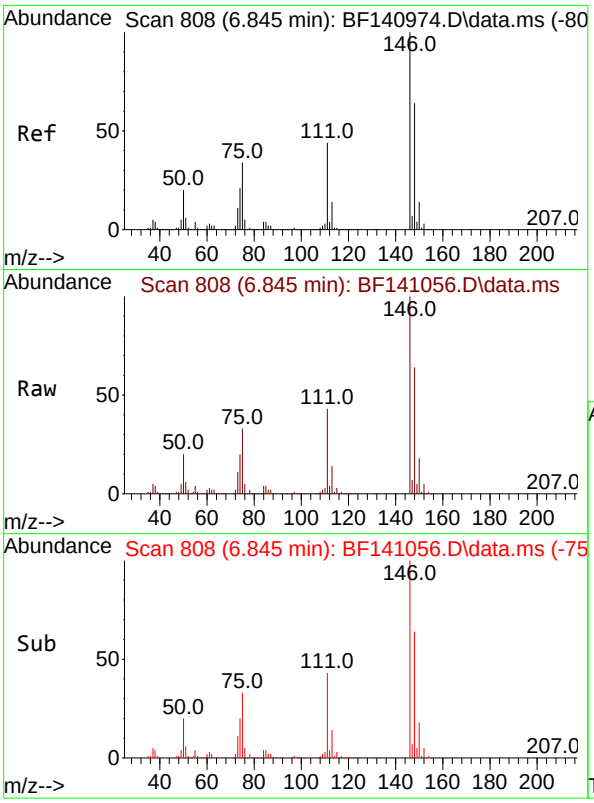


#12
1,3-Dichlorobenzene
Concen: 38.753 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:146 Resp: 746418

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.4
75	31.8	26.1	39.1



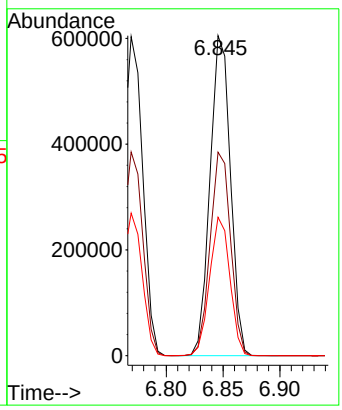


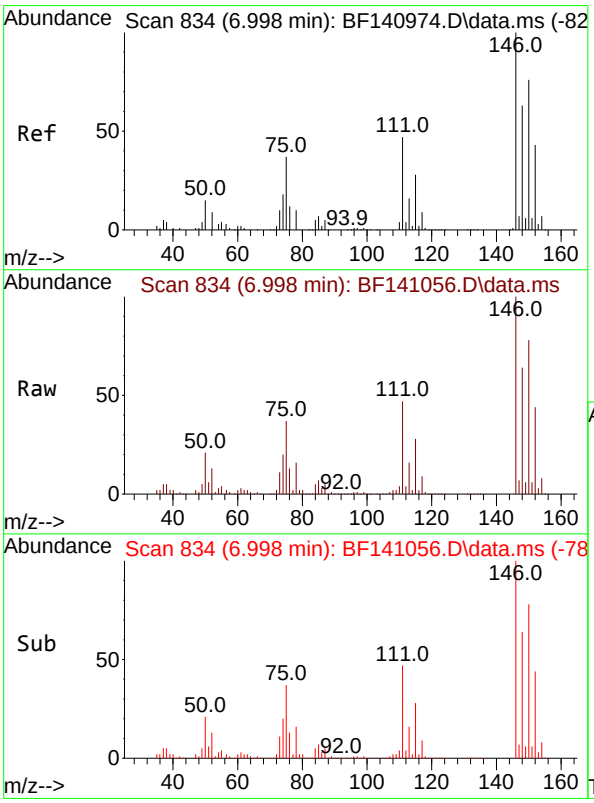
#13
1,4-Dichlorobenzene
Concen: 39.011 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 757478

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.3	76.9
111	43.2	35.3	52.9

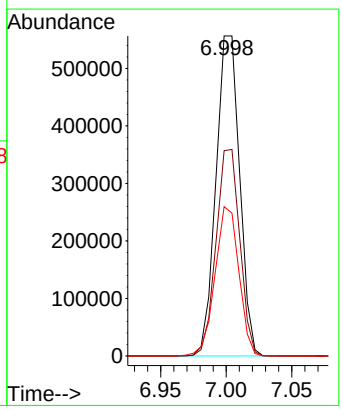


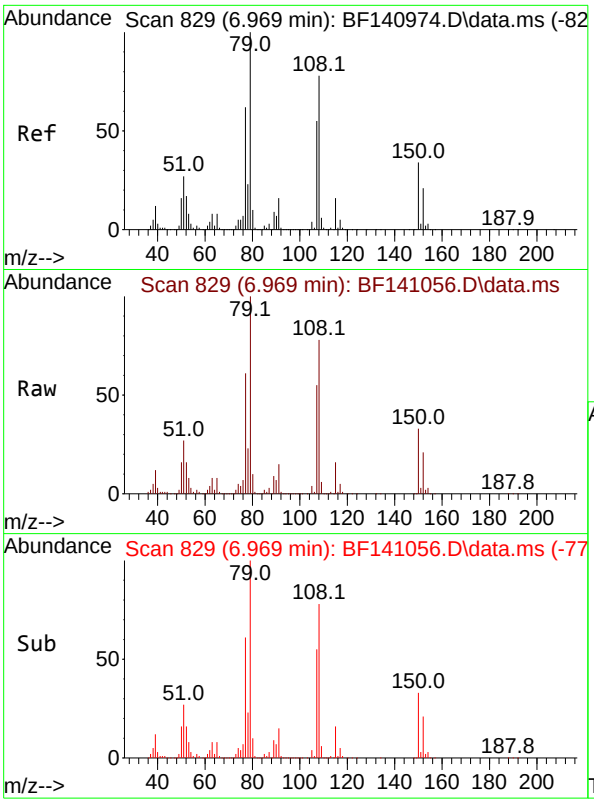


#14
1,2-Dichlorobenzene
Concen: 38.575 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:146 Resp: 698342

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.6	76.0
111	46.6	37.3	55.9



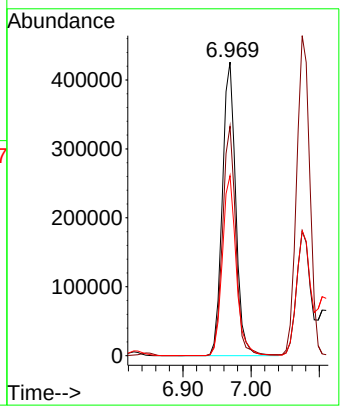


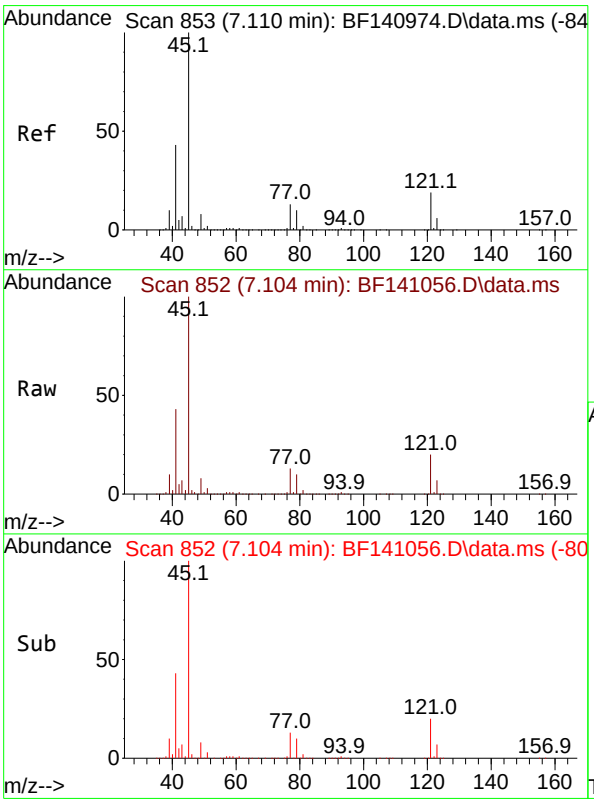
#15
Benzyl Alcohol
Concen: 38.046 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 583022

Ion	Ratio	Lower	Upper
79	100		
108	78.1	62.5	93.7
77	61.3	49.3	73.9

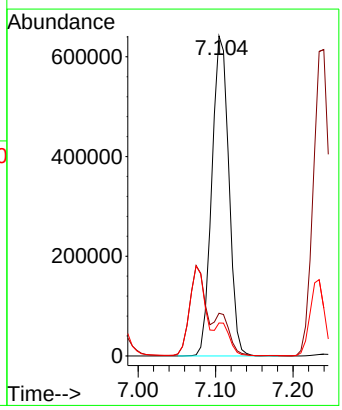


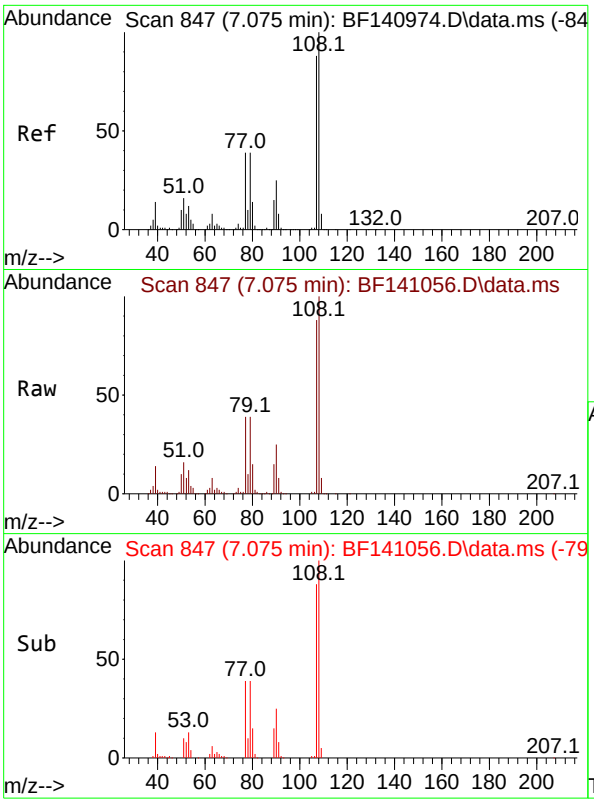


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.192 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 45 Resp: 974481

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	33.1
79	10.3	0.0	30.1



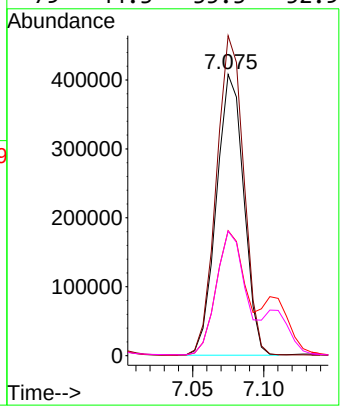


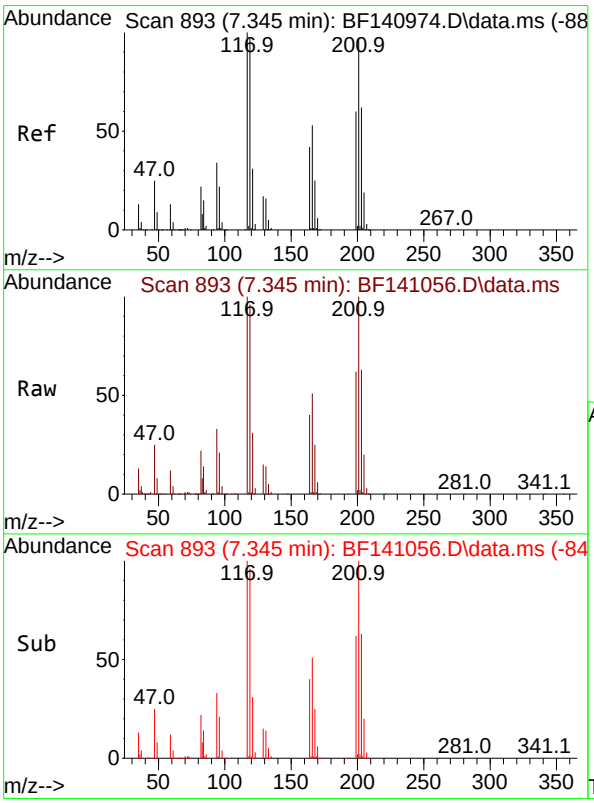
#17
2-Methylphenol
Concen: 37.699 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 546615

Ion	Ratio	Lower	Upper
107	100		
108	113.8	90.6	136.0
77	44.4	35.3	52.9
79	44.3	35.3	52.9

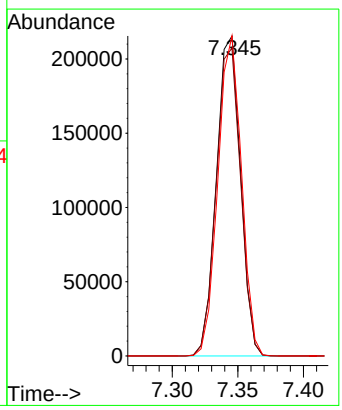


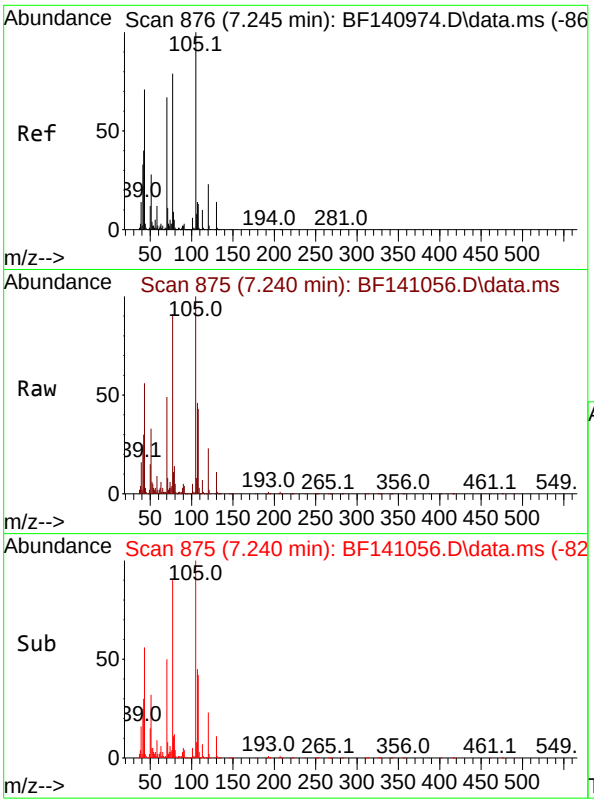


#18
Hexachloroethane
Concen: 39.952 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:117 Resp: 275573

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.5	116.3
201	100.0	77.4	116.2



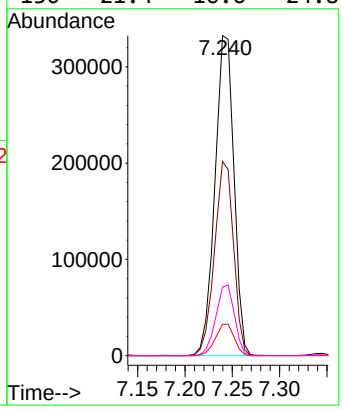


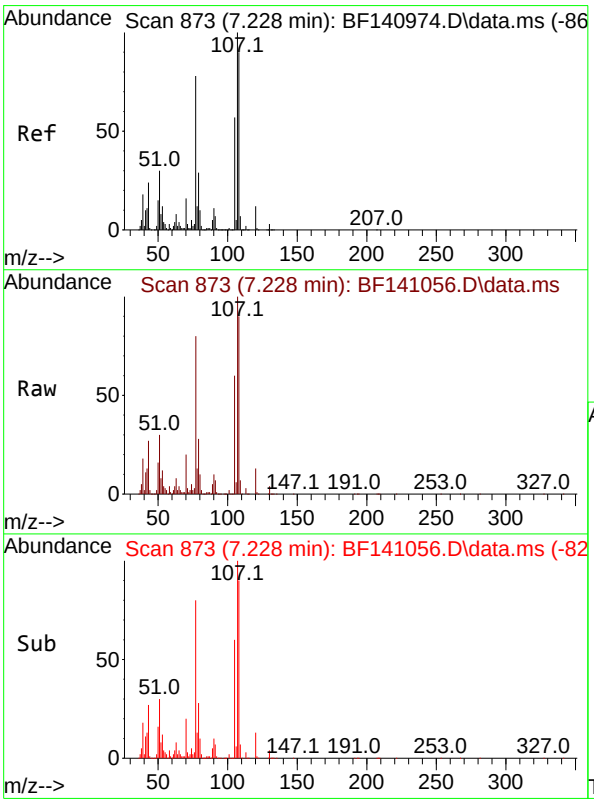
#19
n-Nitroso-di-n-propylamine
Concen: 35.625 ng
RT: 7.240 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 465418

Ion	Ratio	Lower	Upper
70	100		
42	60.7	48.1	72.1
101	9.8	7.6	11.4
130	21.4	16.6	24.8

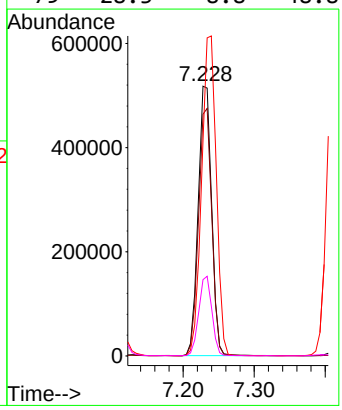


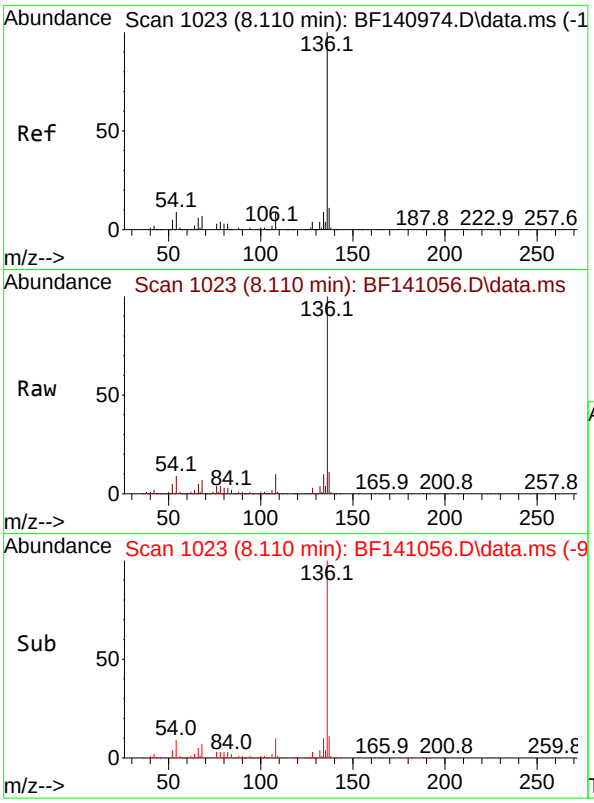


#20
3+4-Methylphenols
Concen: 37.276 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:107 Resp: 683962

Ion	Ratio	Lower	Upper
107	100		
108	89.7	69.6	109.6
77	79.8	57.6	97.6
79	28.3	8.8	48.8



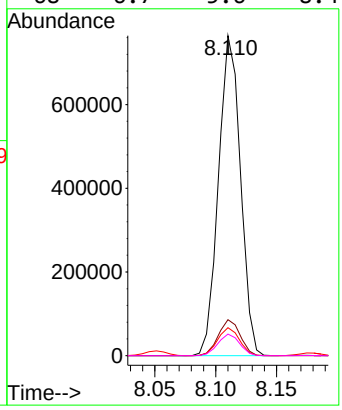


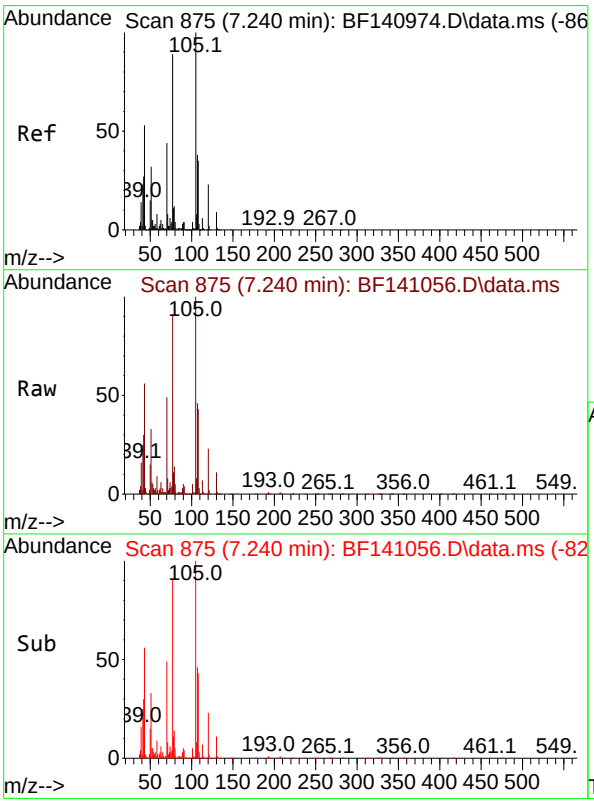
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 962272

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	8.8	7.6	11.4
68	6.7	5.6	8.4

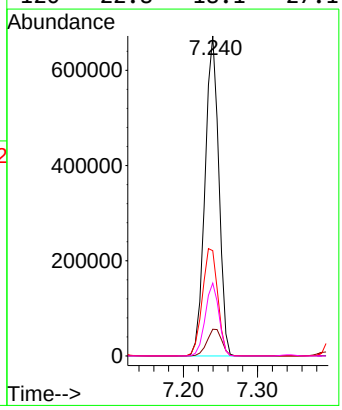


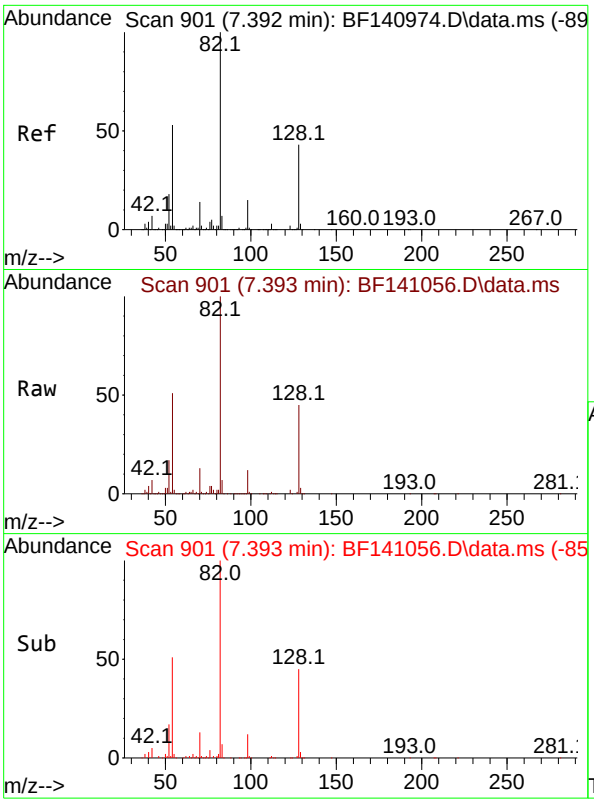


#22
Acetophenone
Concen: 36.896 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:105 Resp: 870975

Ion	Ratio	Lower	Upper
105	100		
71	8.3	6.1	9.1
51	32.9	25.8	38.6
120	22.8	18.1	27.1



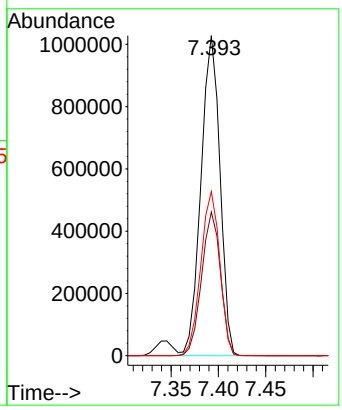


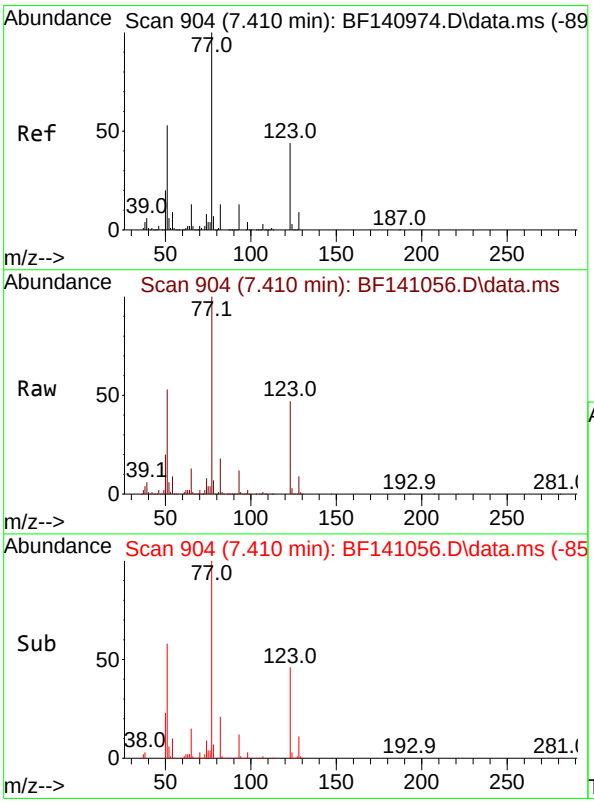
#23
Nitrobenzene-d5
Concen: 94.938 ng
RT: 7.393 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1427928

Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.4	51.6
54	51.3	42.4	63.6

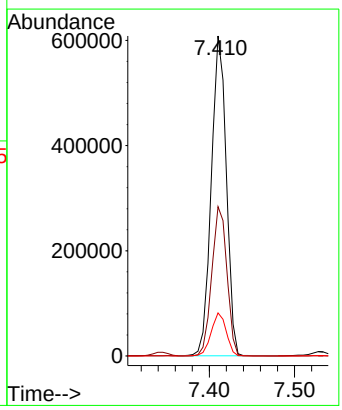


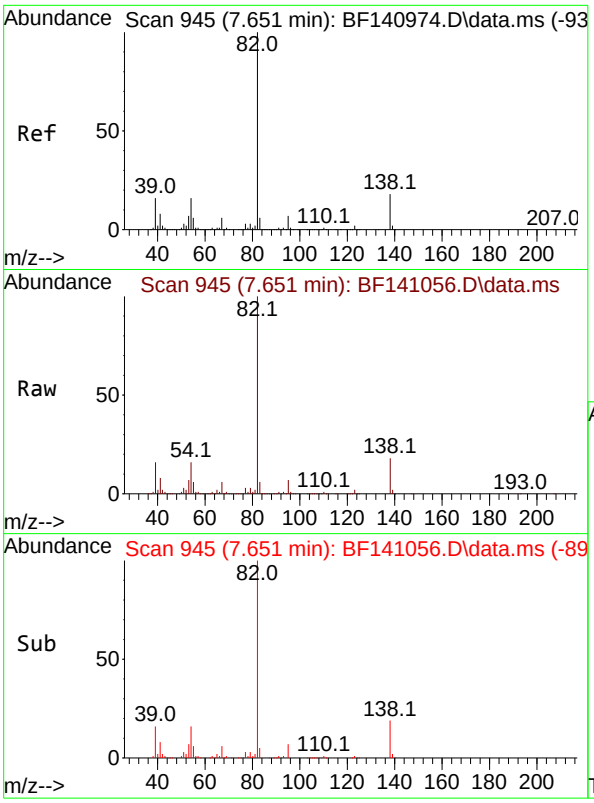


#24
Nitrobenzene
Concen: 44.276 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 77 Resp: 744121

Ion	Ratio	Lower	Upper
77	100		
123	46.7	35.4	53.2
65	13.4	10.7	16.1



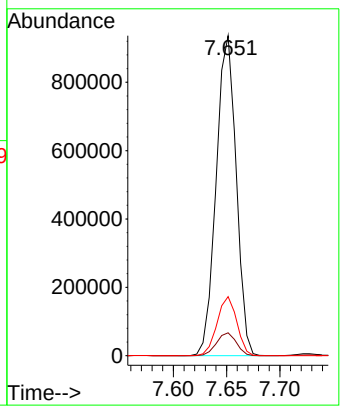


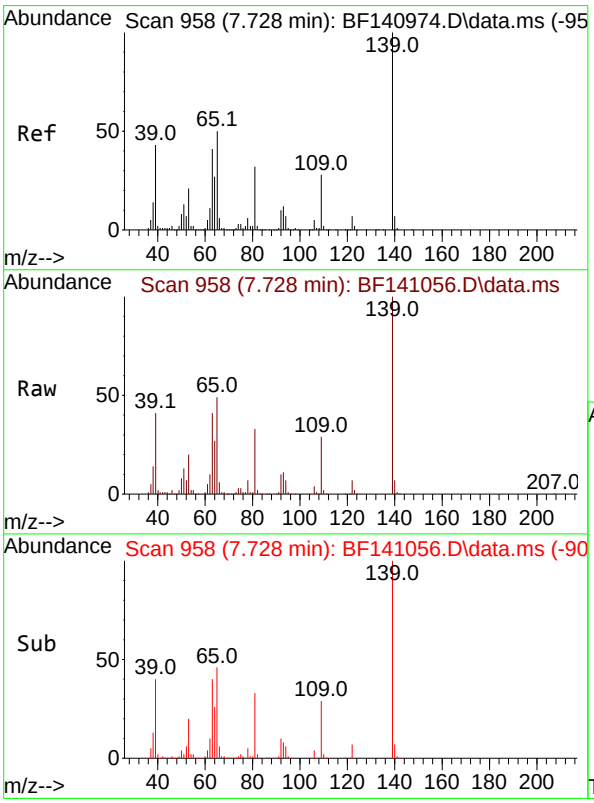
#25
Isophorone
Concen: 37.283 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1220258

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.6	8.4
138	18.5	14.6	21.8

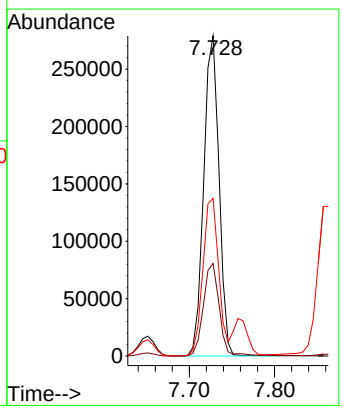


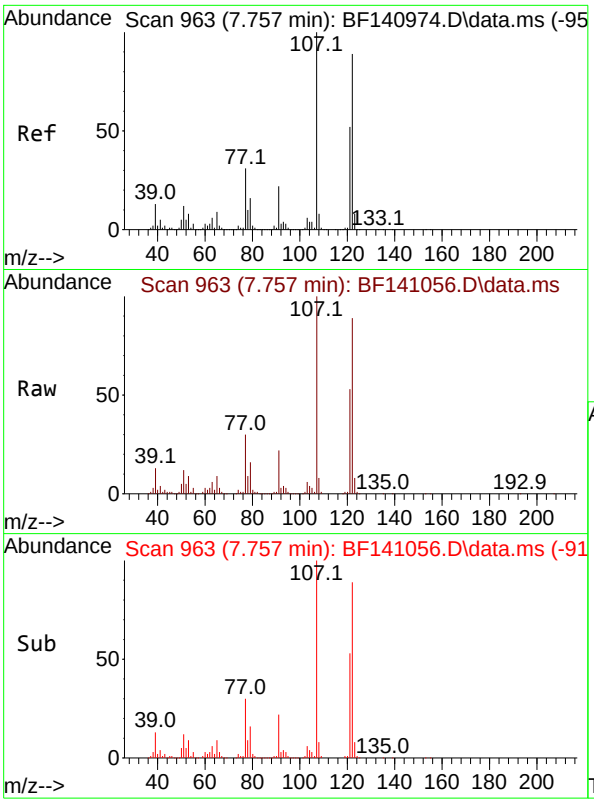


#26
2-Nitrophenol
Concen: 50.173 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:139 Resp: 347425

Ion	Ratio	Lower	Upper
139	100		
109	28.9	22.2	33.4
65	49.3	40.2	60.4



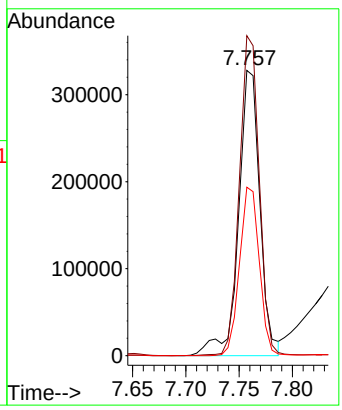


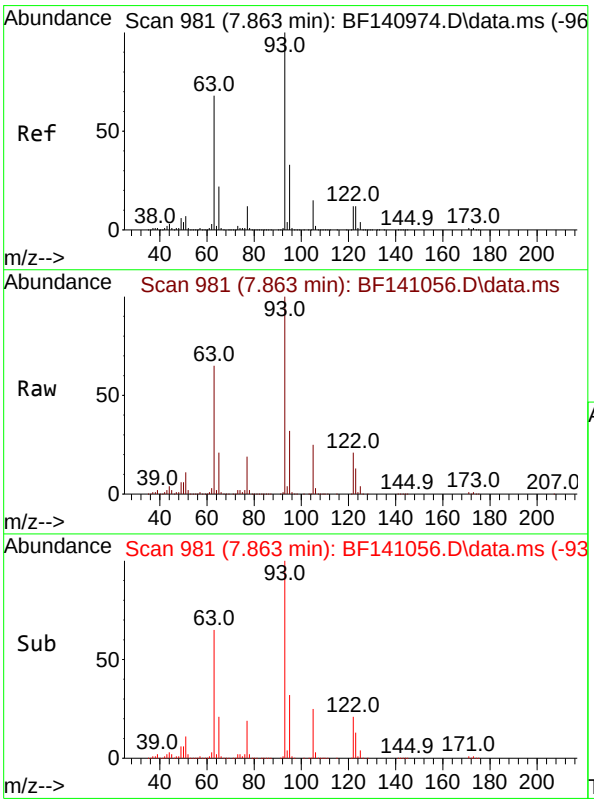
#27
2,4-Dimethylphenol
Concen: 38.304 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 458171

Ion	Ratio	Lower	Upper
122	100		
107	112.2	89.4	134.2
121	59.0	46.7	70.1

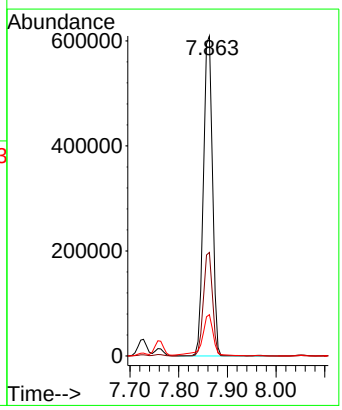


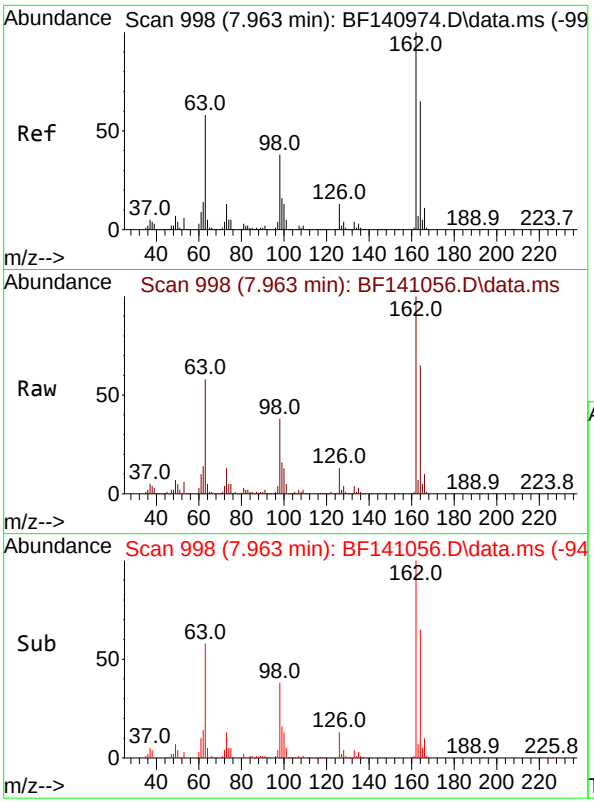


#28
bis(2-Chloroethoxy)methane
Concen: 37.959 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 93 Resp: 787156

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.4
123	12.9	9.9	14.9



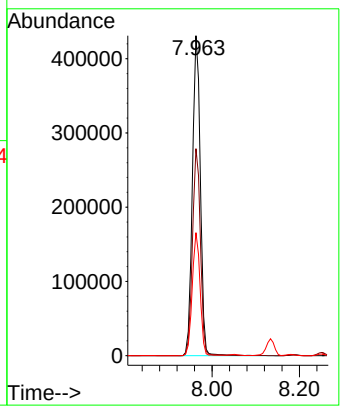


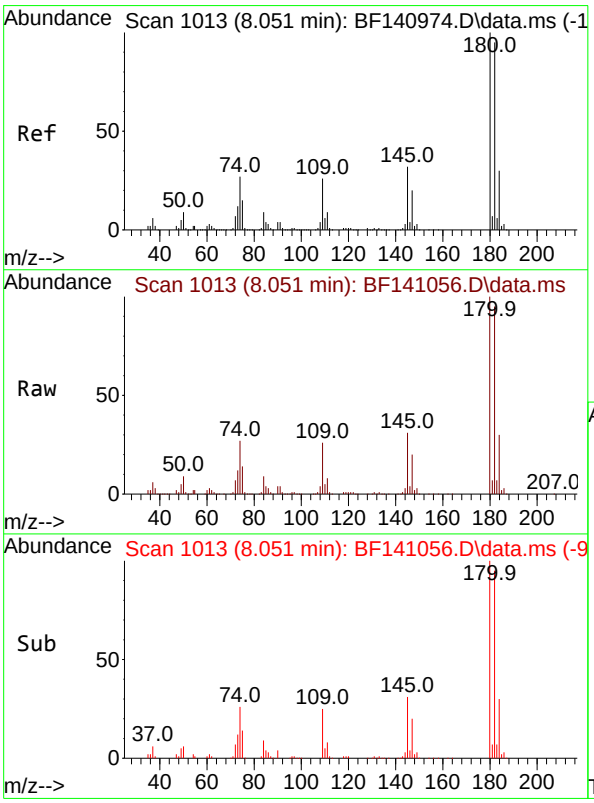
#29
2,4-Dichlorophenol
Concen: 40.267 ng
RT: 7.963 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 546273

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.8	84.8
98	38.5	18.6	58.6

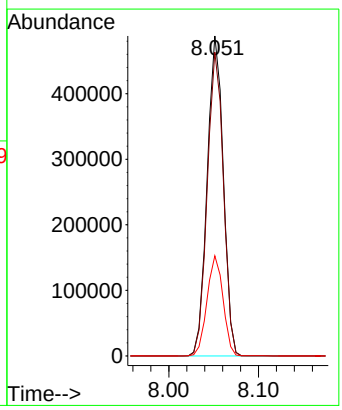


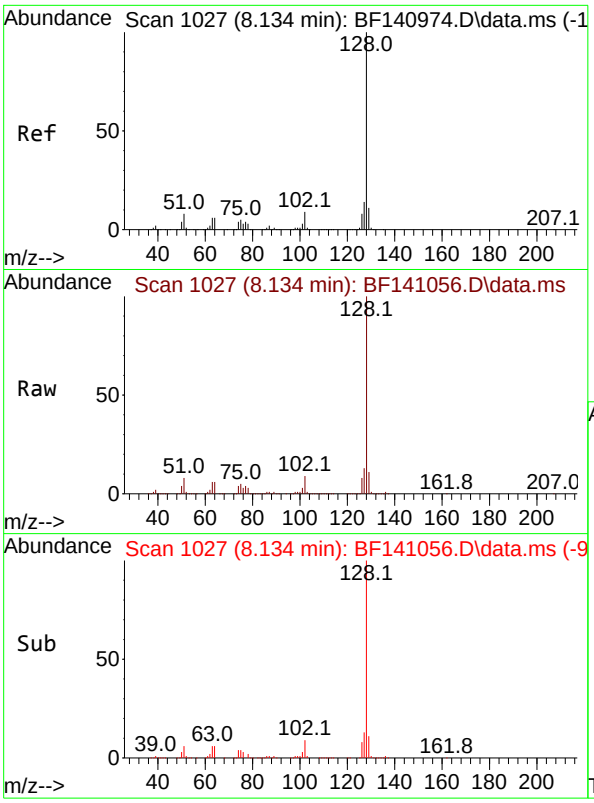


#30
1,2,4-Trichlorobenzene
Concen: 39.661 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:180 Resp: 608983

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
145	31.3	25.4	38.2



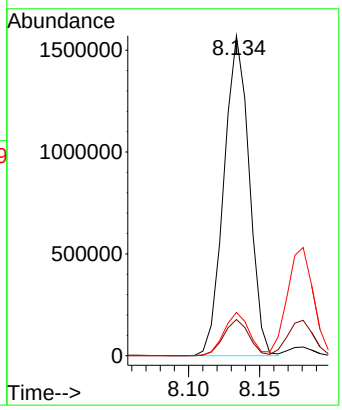


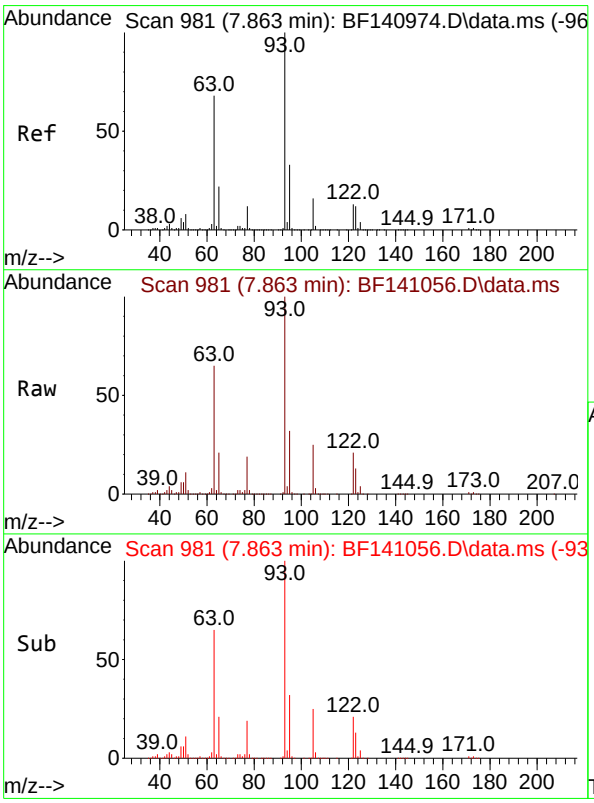
#31
Naphthalene
Concen: 38.303 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1942200

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.5	11.0	16.4

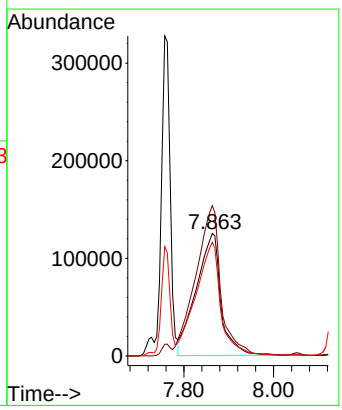


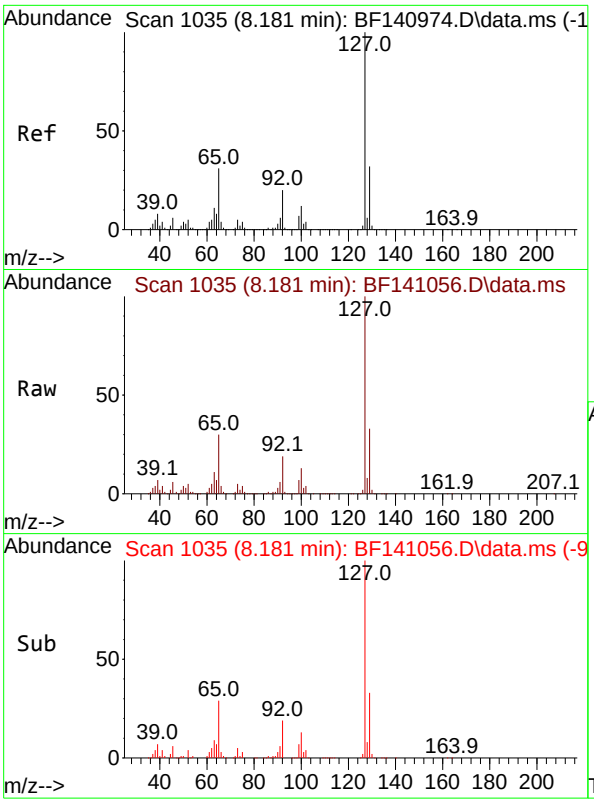


#32
Benzoic acid
Concen: 48.603 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:122 Resp: 479571

Ion	Ratio	Lower	Upper
122	100		
105	122.7	105.4	145.4
77	92.8	76.4	116.4



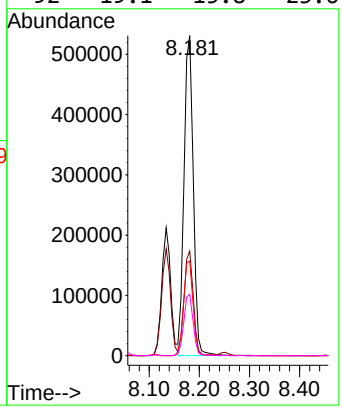


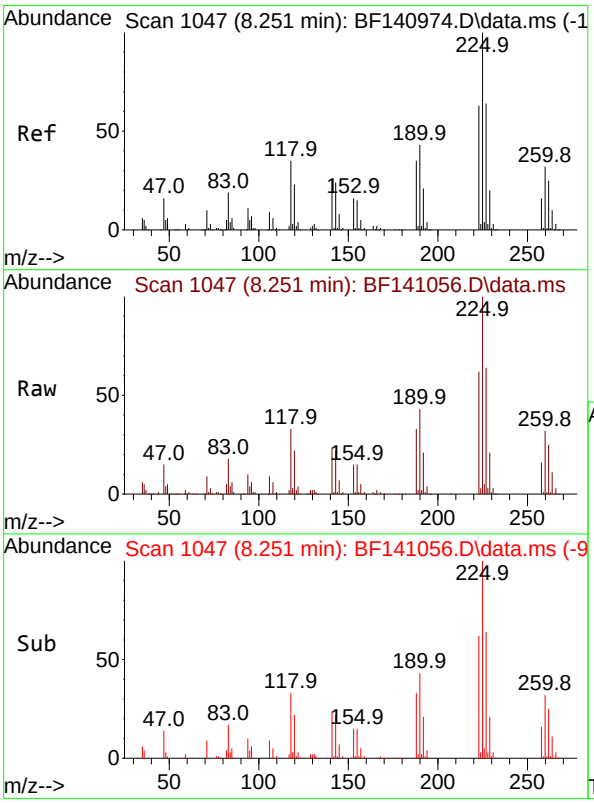
#33
4-Chloroaniline
Concen: 37.176 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 681942

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	29.6	24.6	37.0
92	19.1	15.8	23.6

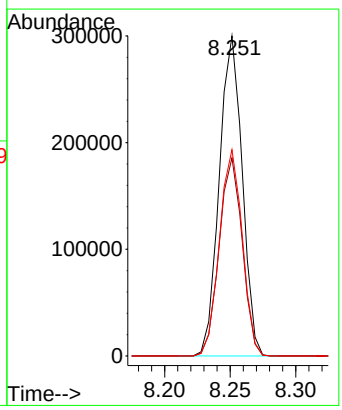


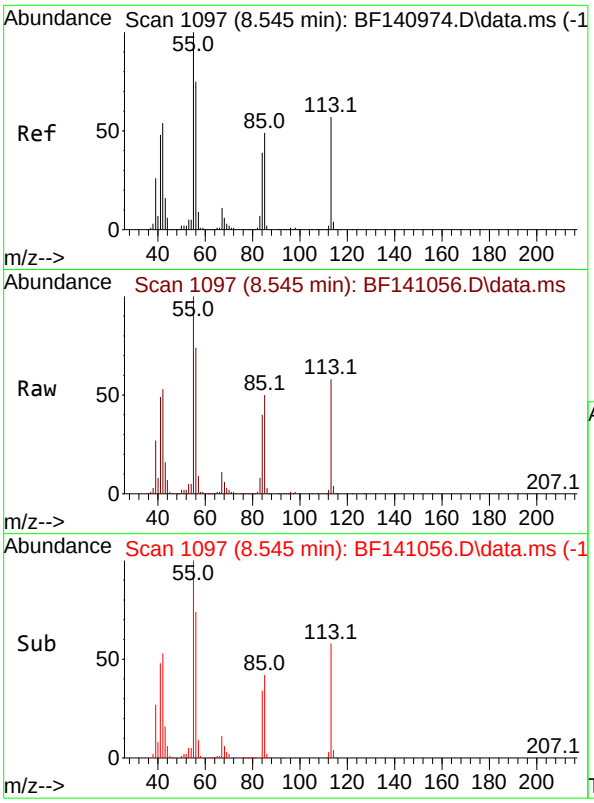


#34
Hexachlorobutadiene
Concen: 40.216 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:225 Resp: 364036

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.3	75.5
227	64.4	50.8	76.2



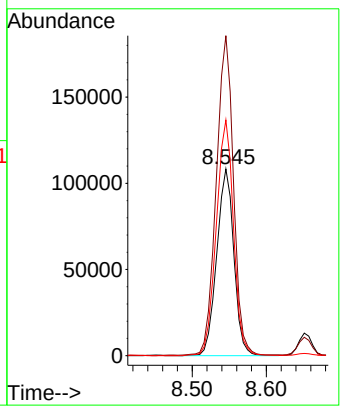


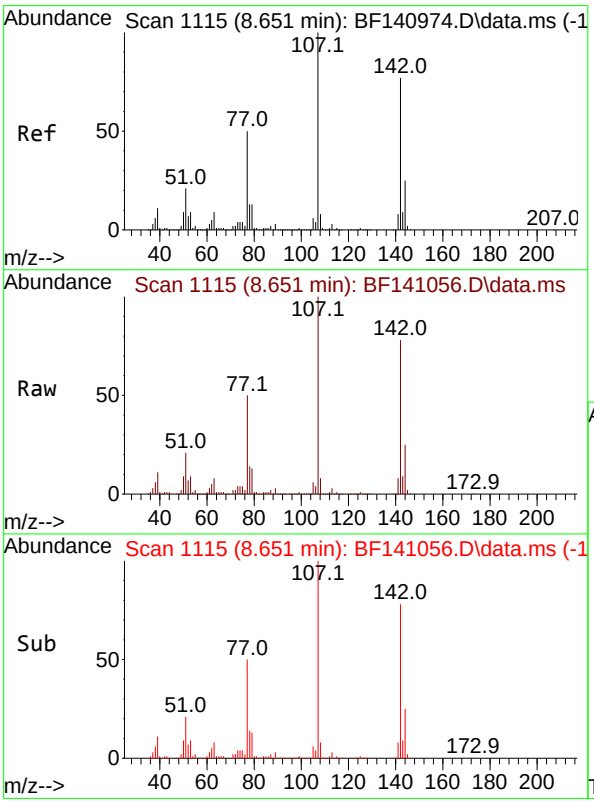
#35
Caprolactam
Concen: 37.654 ng
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 173656

Ion	Ratio	Lower	Upper
113	100		
55	171.3	156.6	196.6
56	126.2	111.7	151.7

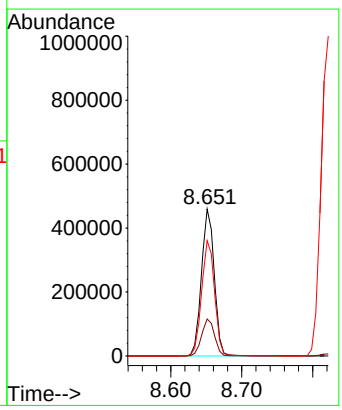


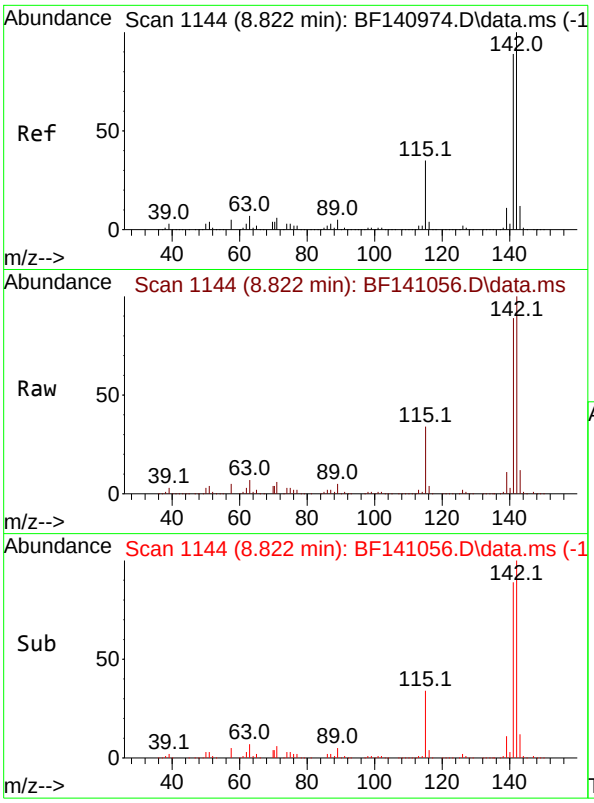


#36
4-Chloro-3-methylphenol
Concen: 38.425 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:107 Resp: 578910

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.9	29.9
142	78.5	61.8	92.8



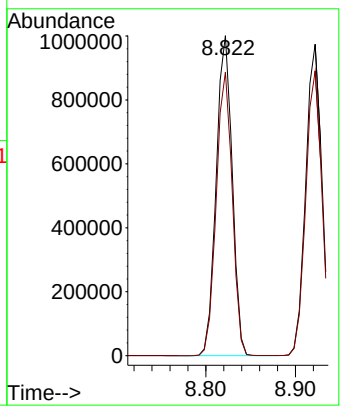


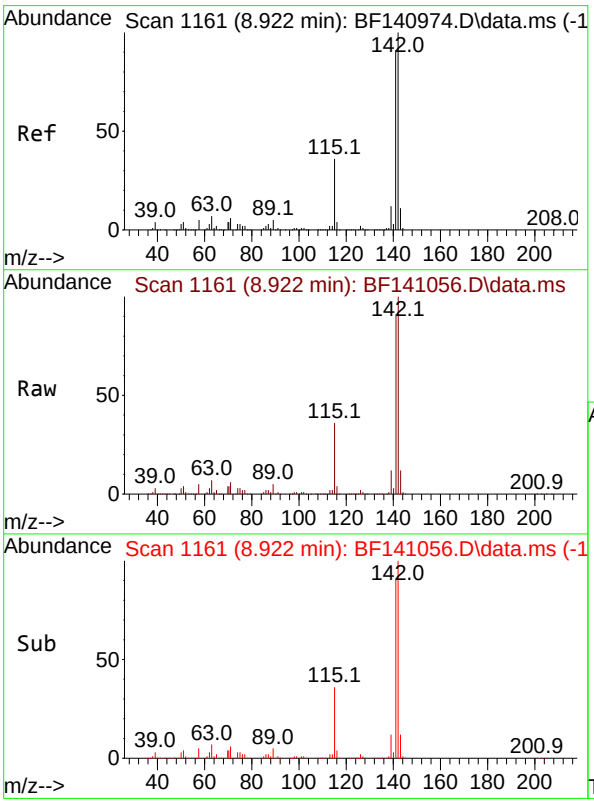
#37
2-Methylnaphthalene
Concen: 38.195 ng
RT: 8.822 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 1238999

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.1	106.7

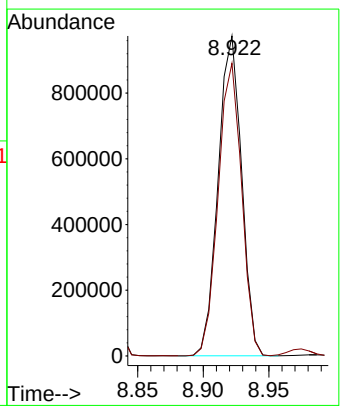


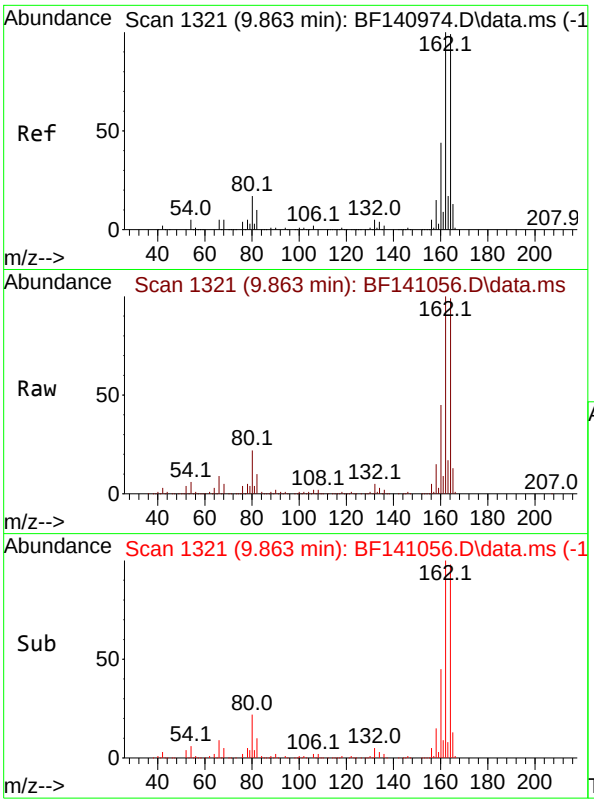


#38
1-Methylnaphthalene
Concen: 37.935 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:142 Resp: 1209371

Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.7	109.1



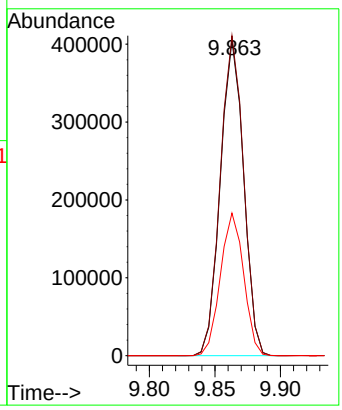


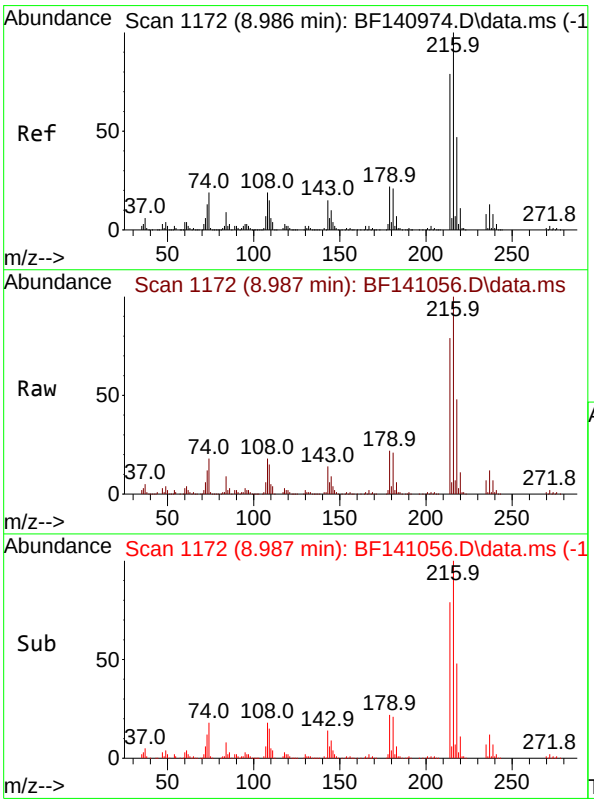
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 499397

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	120.8
160	45.2	35.7	53.5

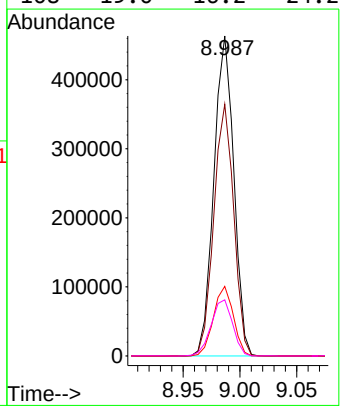


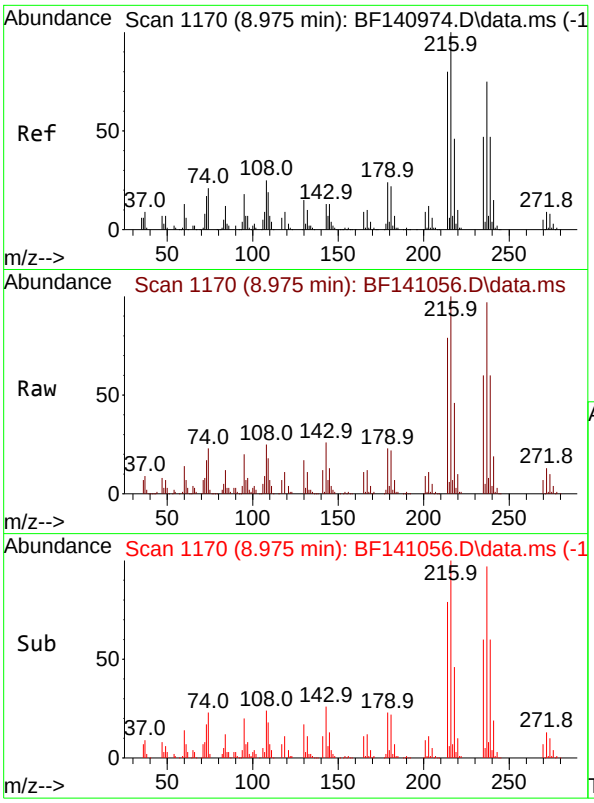


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.182 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:216 Resp: 565798

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.0	94.6
179	21.8	17.9	26.9
108	19.0	16.2	24.2



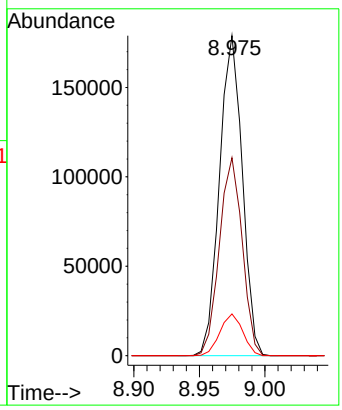


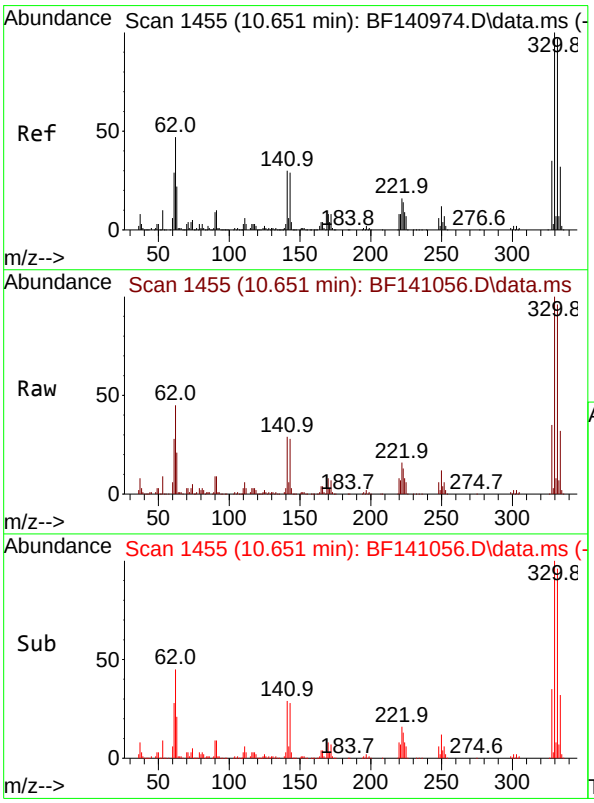
#41
Hexachlorocyclopentadiene
Concen: 47.466 ng
RT: 8.975 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 216112

Ion	Ratio	Lower	Upper
237	100		
235	61.9	43.4	83.4
272	13.0	0.0	32.6

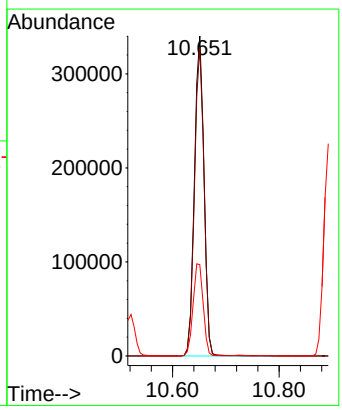


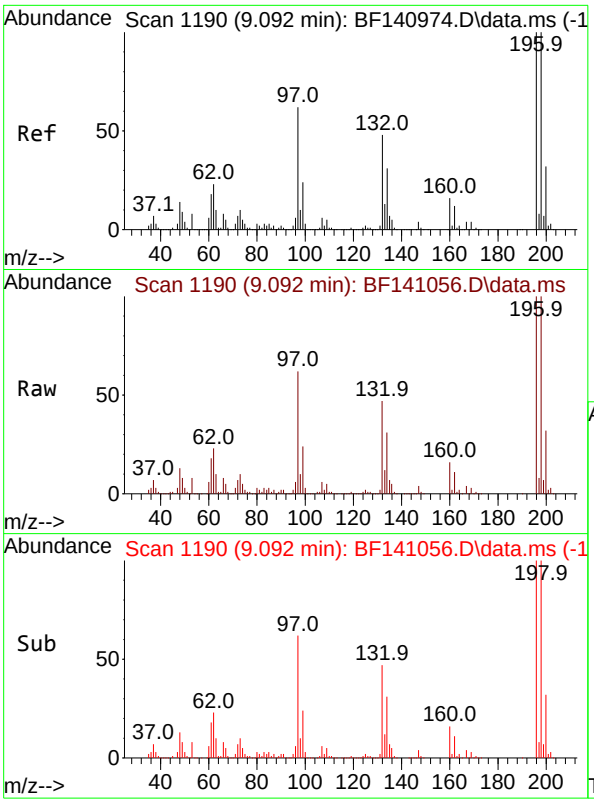


#42
2,4,6-Tribromophenol
Concen: 87.297 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:330 Resp: 423622

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	30.5	26.4	39.6



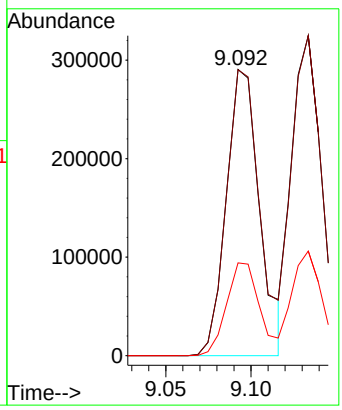


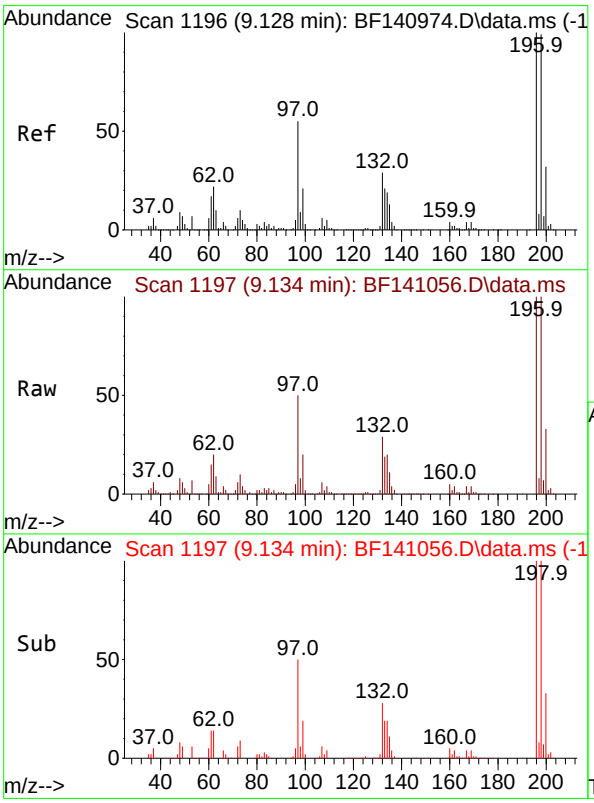
#43
2,4,6-Trichlorophenol
Concen: 43.220 ng
RT: 9.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 395207

Ion	Ratio	Lower	Upper
196	100		
198	99.9	80.2	120.4
200	32.5	25.8	38.6

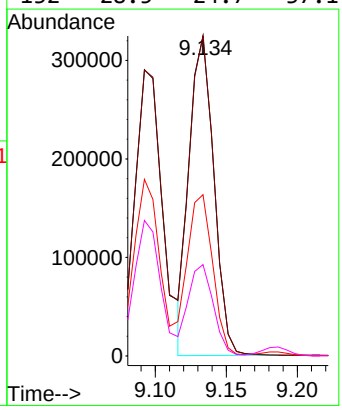


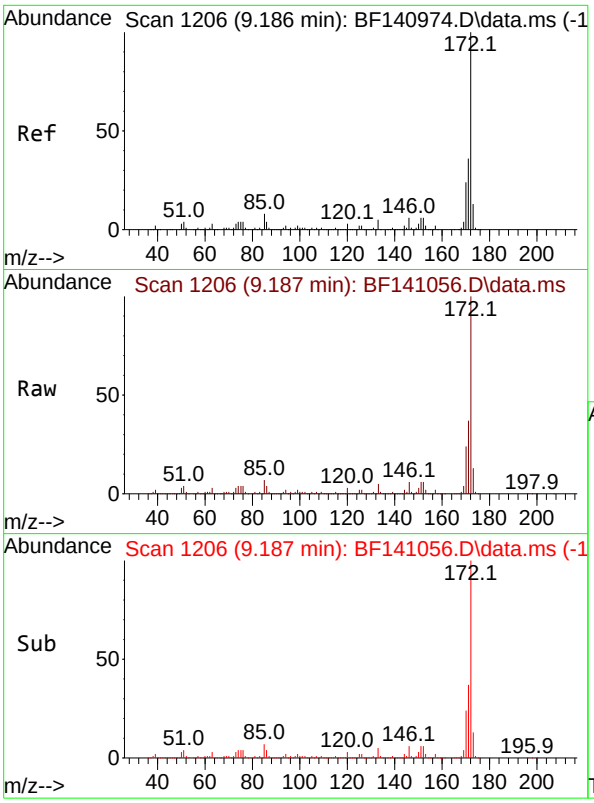


#44
2,4,5-Trichlorophenol
Concen: 41.935 ng
RT: 9.134 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:196 Resp: 392351

Ion	Ratio	Lower	Upper
196	100		
198	100.0	79.9	119.9
97	50.4	44.3	66.5
132	28.5	24.7	37.1



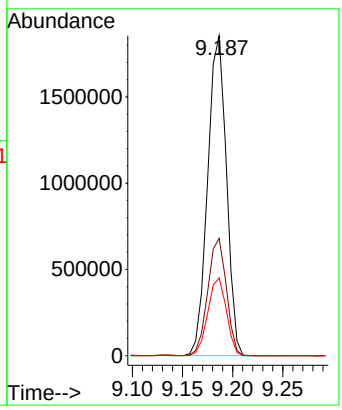


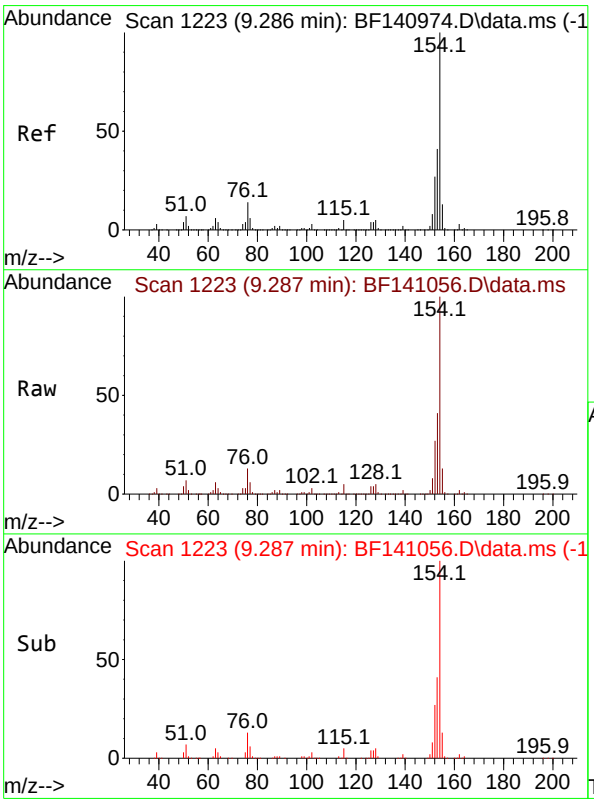
#45
2-Fluorobiphenyl
Concen: 76.894 ng
RT: 9.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 2410223

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	24.3	19.6	29.4

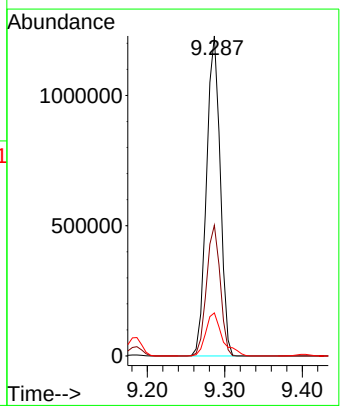


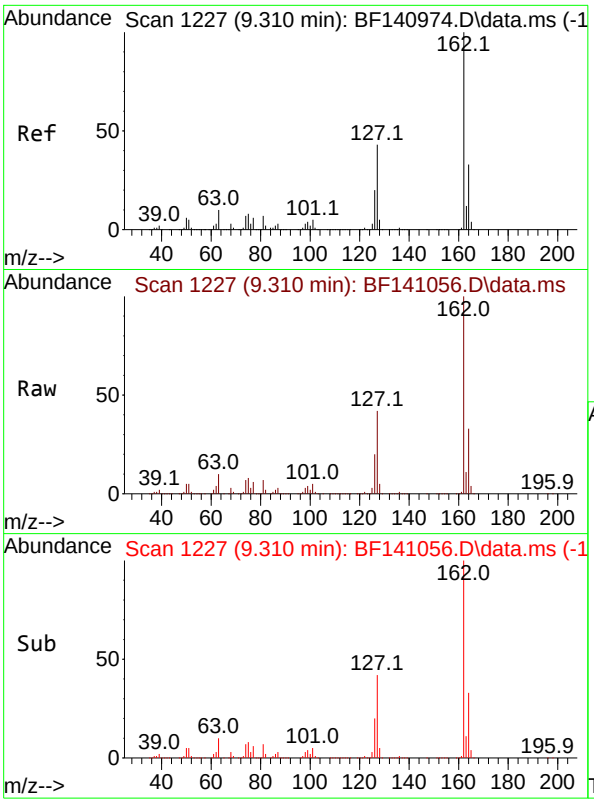


#46
1,1'-Biphenyl
Concen: 39.415 ng
RT: 9.287 min Scan# 1223
Delta R.T. 0.001 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:154 Resp: 1507181

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.9	60.9
76	13.5	0.0	34.0



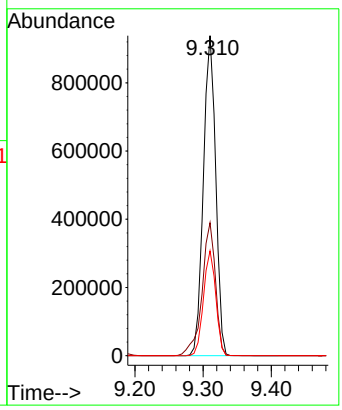


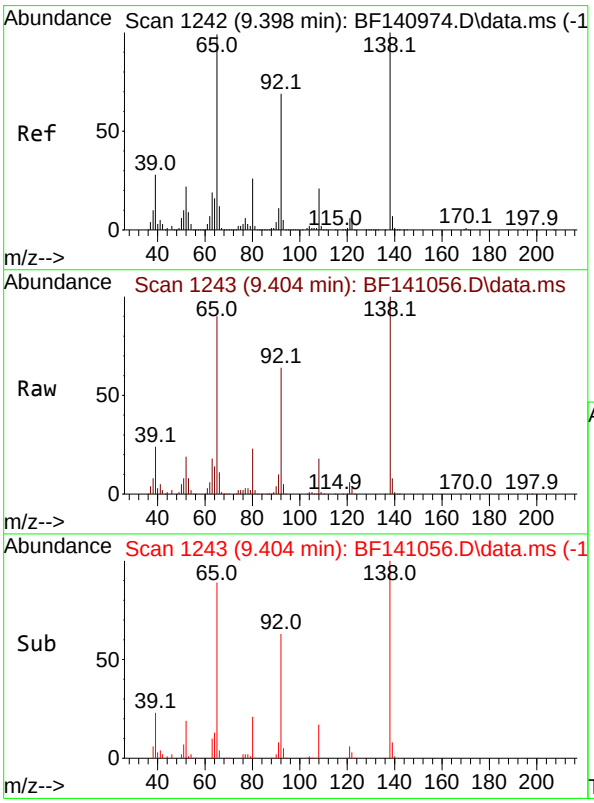
#47
2-Chloronaphthalene
Concen: 39.805 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 1180472

Ion	Ratio	Lower	Upper
162	100		
127	41.5	34.2	51.4
164	32.8	26.6	40.0

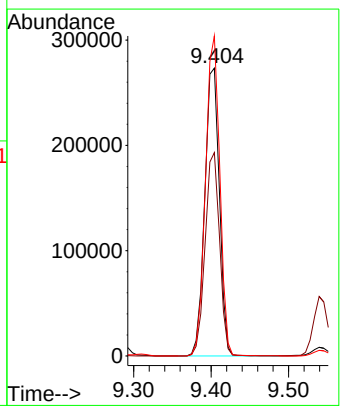


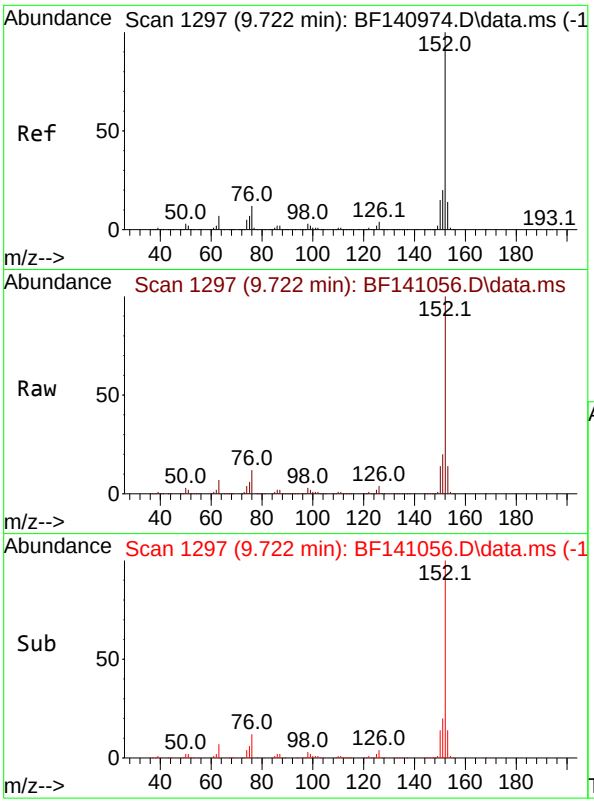


#48
2-Nitroaniline
Concen: 46.405 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion: 65 Resp: 358698

Ion	Ratio	Lower	Upper
65	100		
92	70.7	55.6	83.4
138	111.2	80.5	120.7



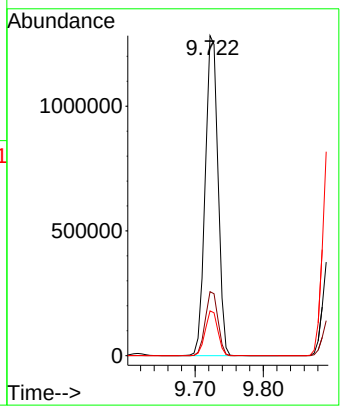


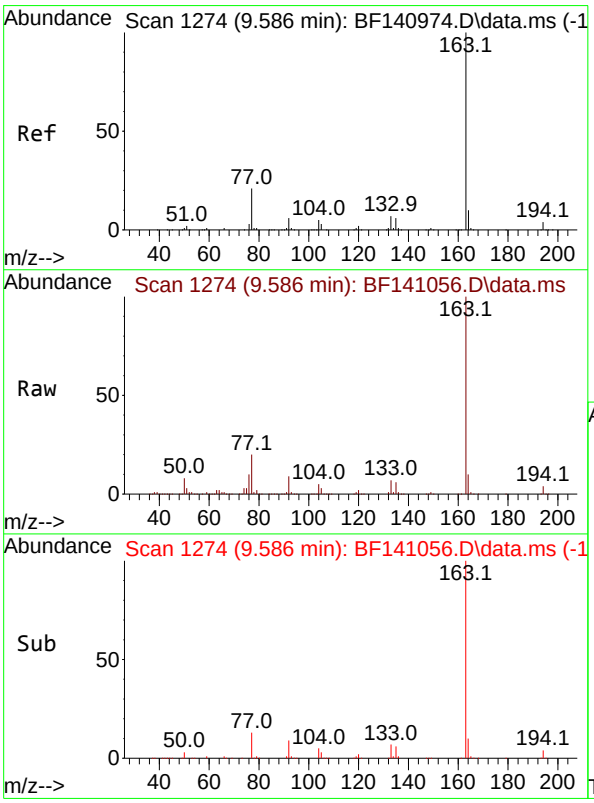
#49
Acenaphthylene
Concen: 39.119 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1670081

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.4
153	14.0	11.4	17.0

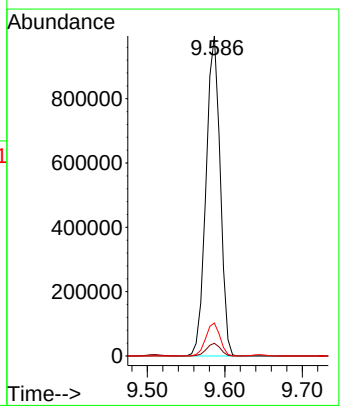


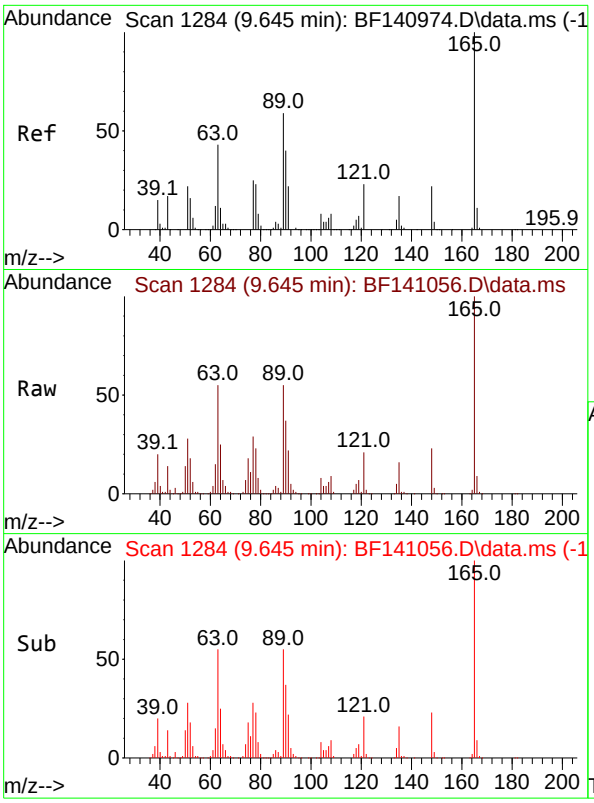


#50
Dimethylphthalate
Concen: 38.410 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:163 Resp: 1261720

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.3	8.3	12.5



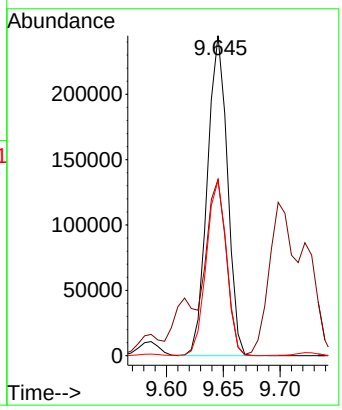


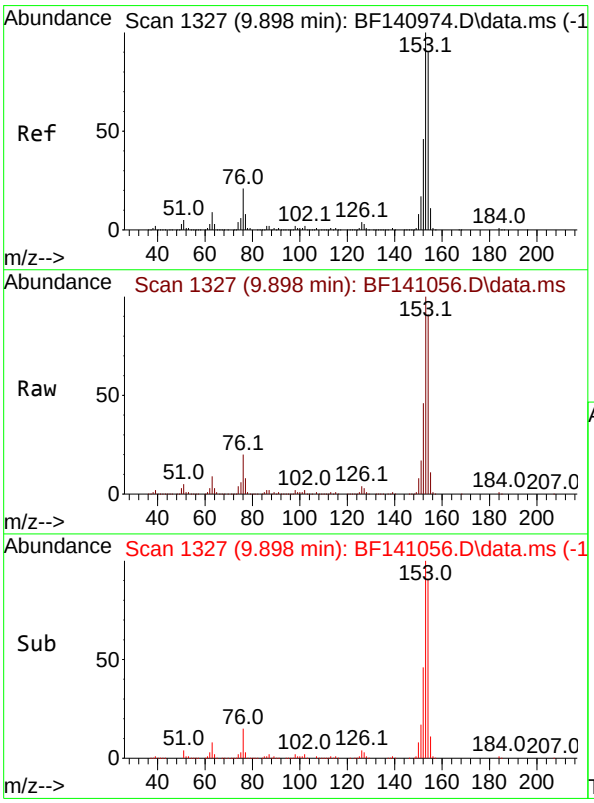
#51
2,6-Dinitrotoluene
Concen: 45.153 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 300908

Ion	Ratio	Lower	Upper
165	100		
63	55.1	47.1	70.7
89	54.8	47.0	70.4

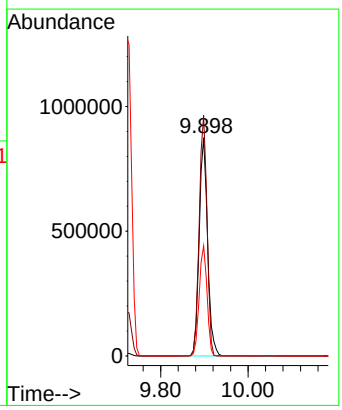


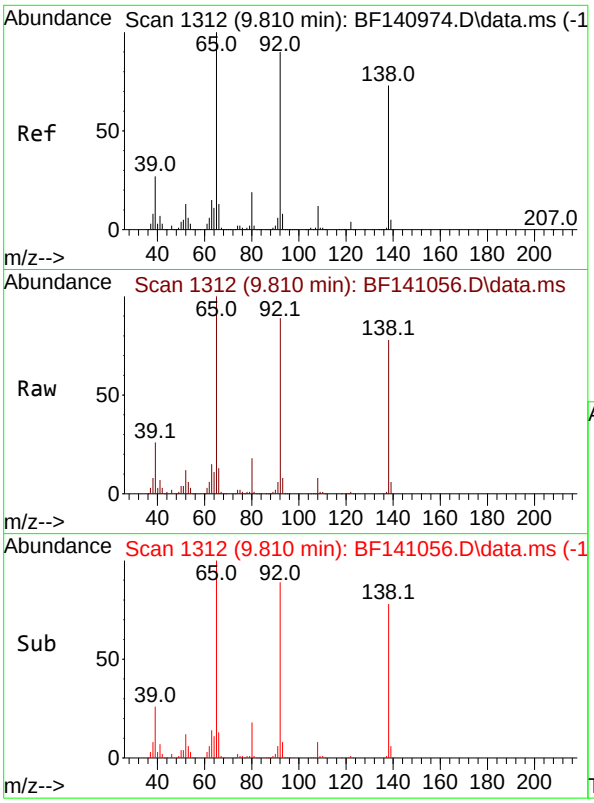


#52
Acenaphthene
Concen: 40.559 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:154 Resp: 1170619

Ion	Ratio	Lower	Upper
154	100		
153	110.3	89.2	133.8
152	50.5	40.9	61.3



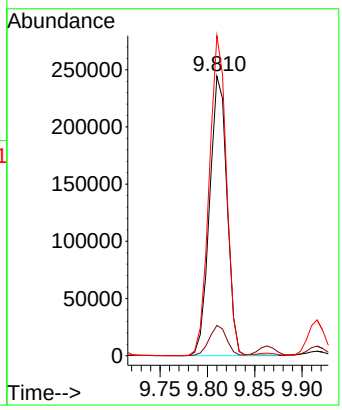


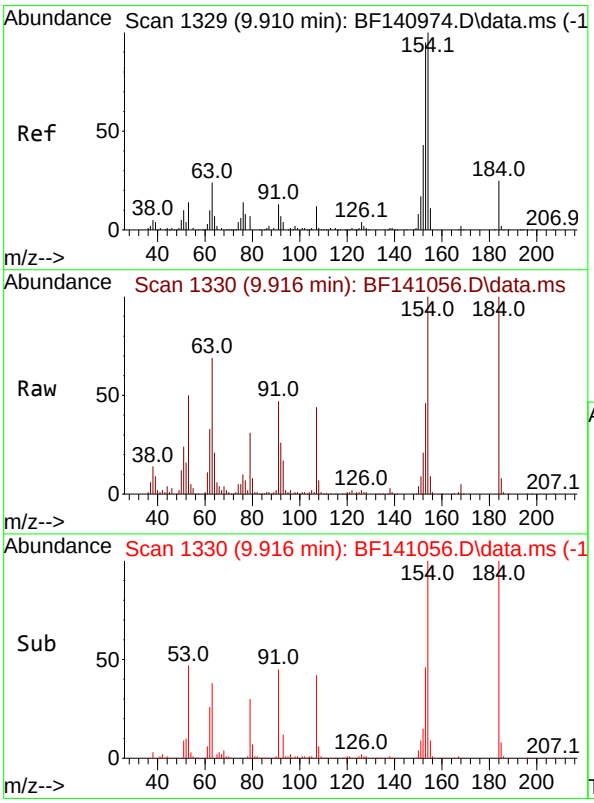
#53
3-Nitroaniline
Concen: 43.308 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 313010

Ion	Ratio	Lower	Upper
138	100		
108	10.8	13.5	20.3#
92	114.5	97.7	146.5

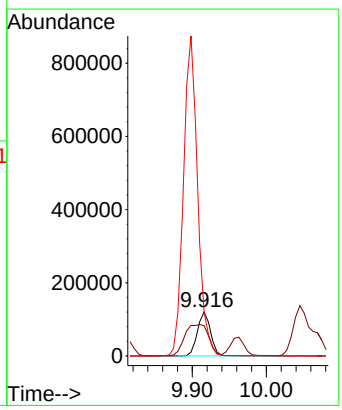


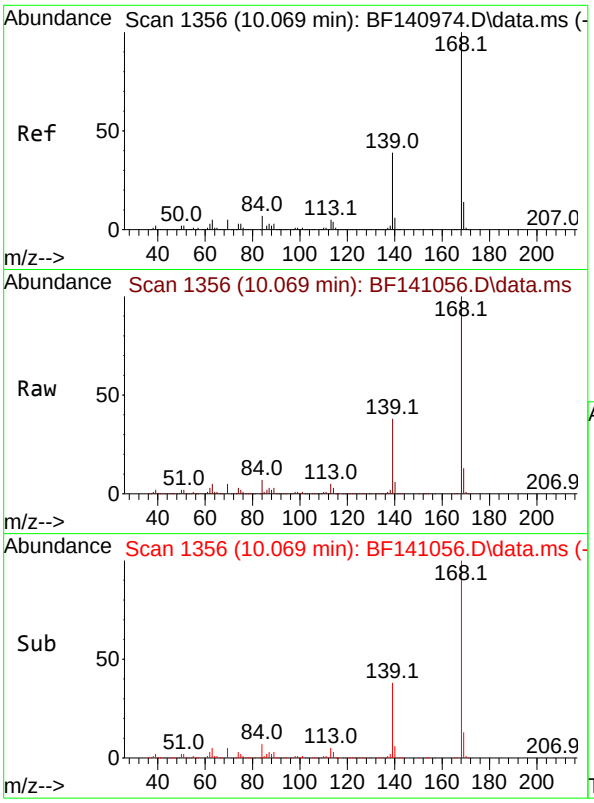


#54
2,4-Dinitrophenol
Concen: 62.472 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:184 Resp: 147869

Ion	Ratio	Lower	Upper
184	100		
63	68.7	81.6	122.4#
154	99.9	363.5	545.3#



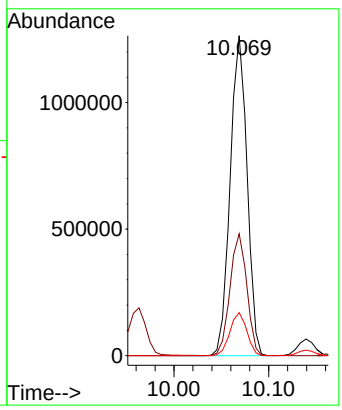


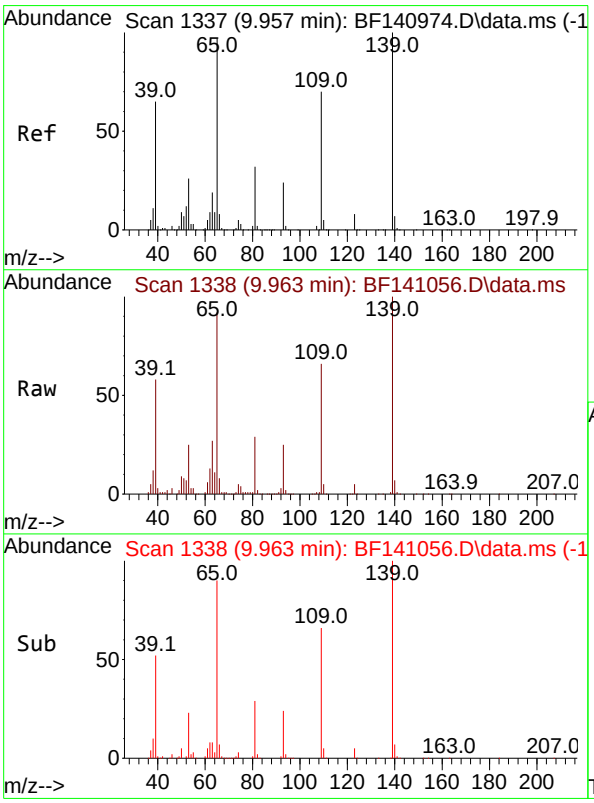
#55
Dibenzofuran
Concen: 38.614 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1566244

Ion	Ratio	Lower	Upper
168	100		
139	38.1	31.6	47.4
169	13.5	11.0	16.6

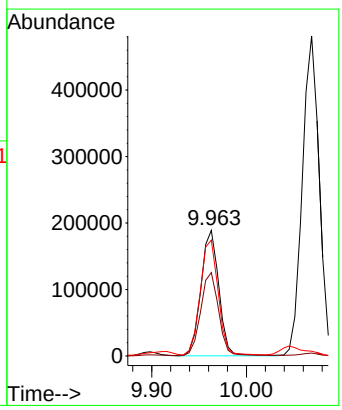


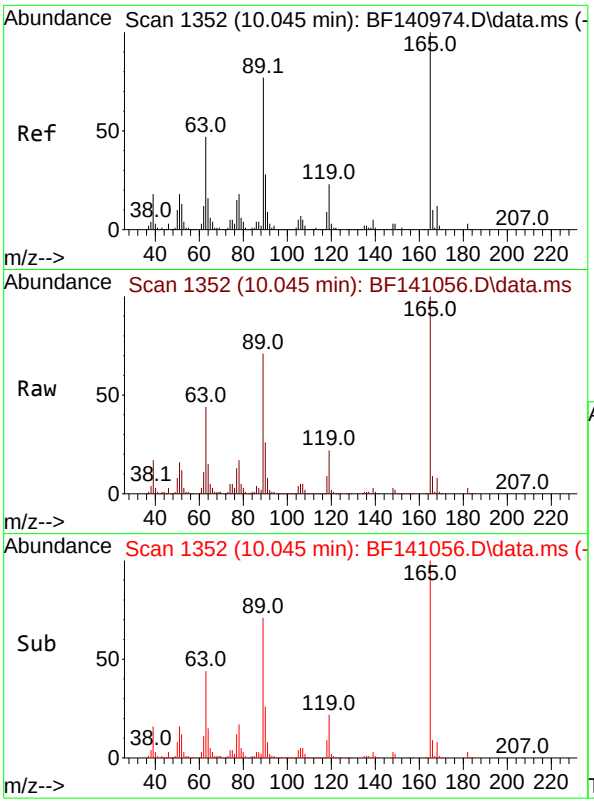


#56
4-Nitrophenol
Concen: 44.114 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:139 Resp: 247878

Ion	Ratio	Lower	Upper
139	100		
109	66.4	50.8	90.8
65	92.2	78.5	118.5



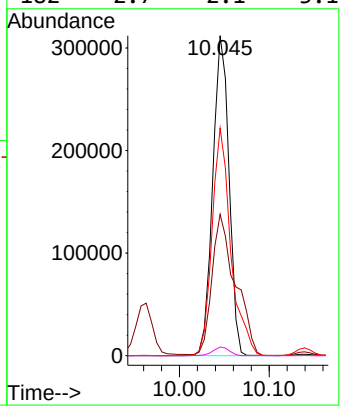


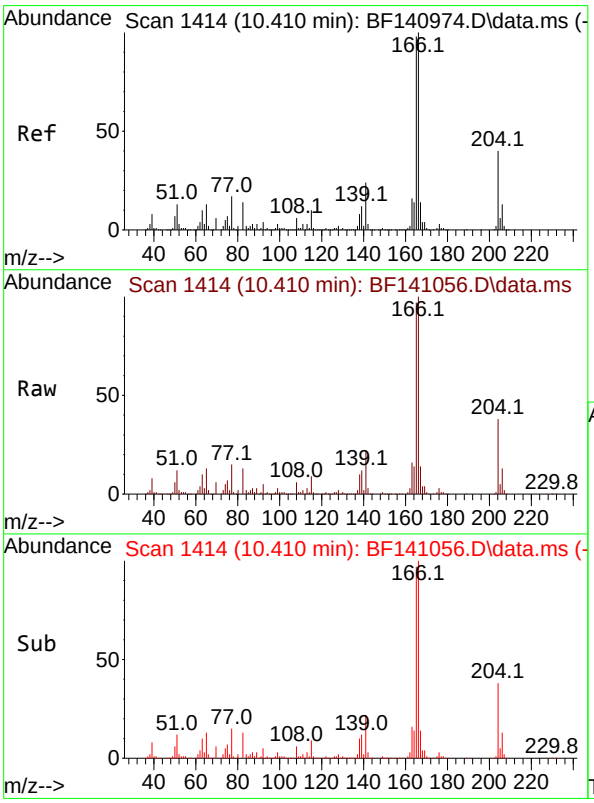
#57
2,4-Dinitrotoluene
Concen: 47.848 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 392109

Ion	Ratio	Lower	Upper
165	100		
63	44.2	38.1	57.1
89	71.1	61.4	92.2
182	2.7	2.1	3.1

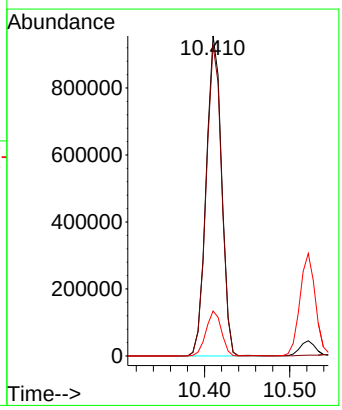


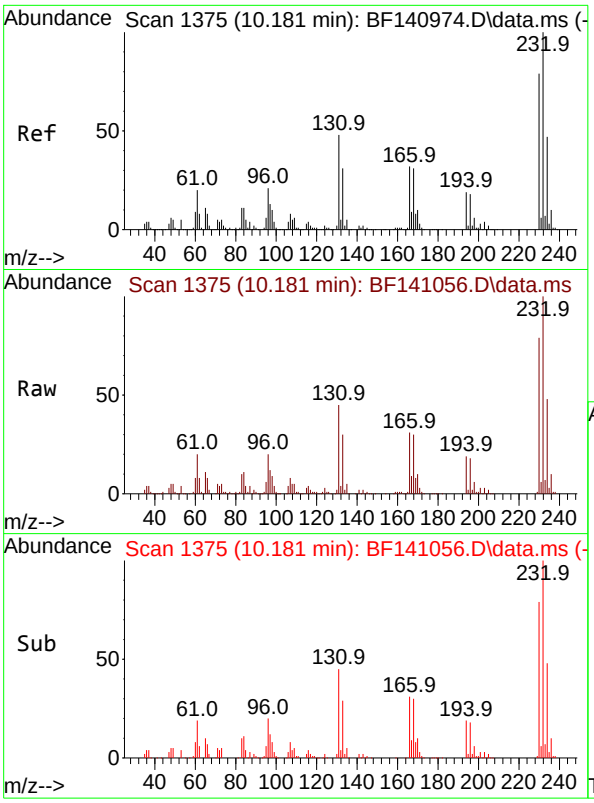


#58
Fluorene
Concen: 38.136 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:166 Resp: 1199483

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.3	117.5
167	14.1	10.9	16.3



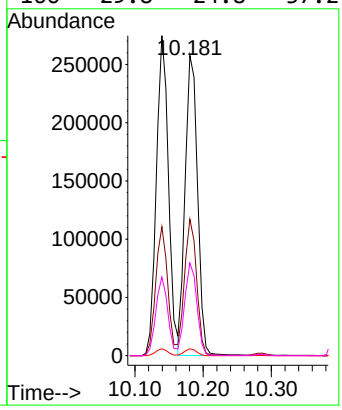


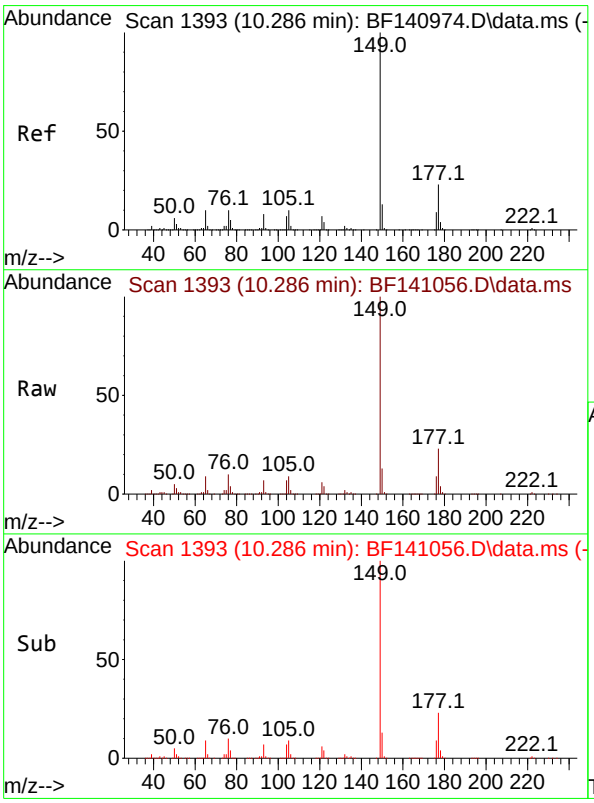
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.813 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 323996

Ion	Ratio	Lower	Upper
232	100		
131	43.9	37.4	56.2
130	2.3	1.8	2.8
166	29.8	24.8	37.2

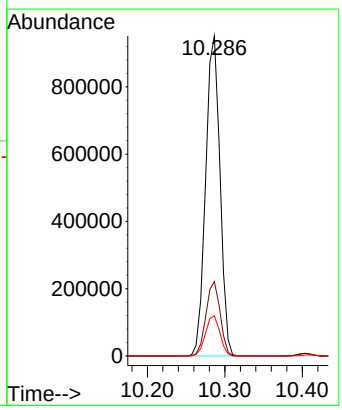


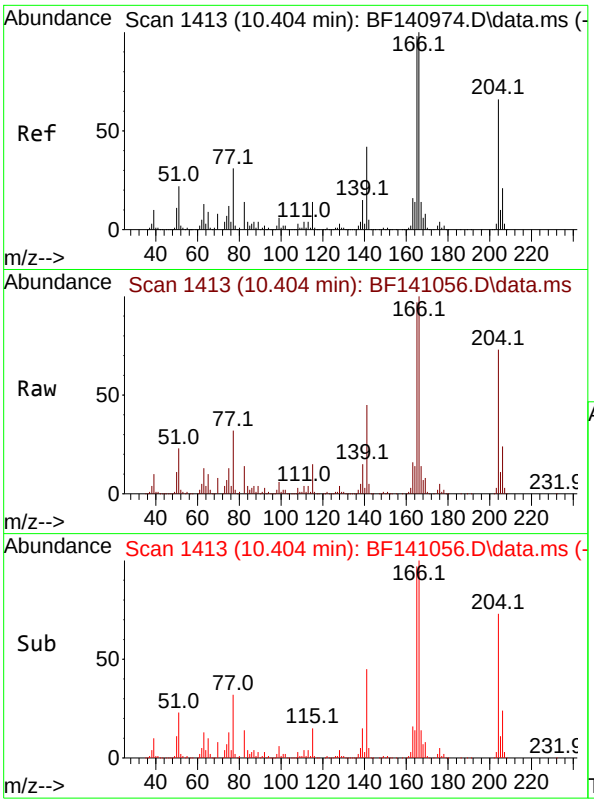


#60
Diethylphthalate
Concen: 37.678 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:149 Resp: 1221862

Ion	Ratio	Lower	Upper
149	100		
177	23.2	18.3	27.5
150	12.6	10.4	15.6



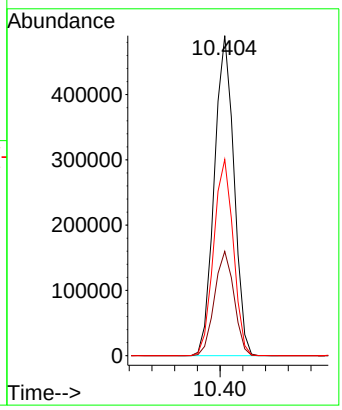


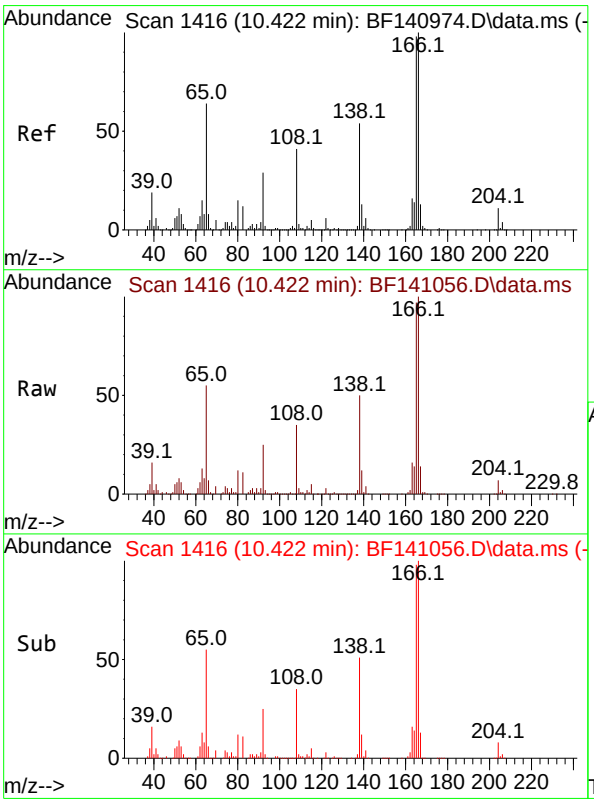
#61
4-Chlorophenyl-phenylether
Concen: 38.896 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 588670

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.6
141	61.3	51.2	76.8

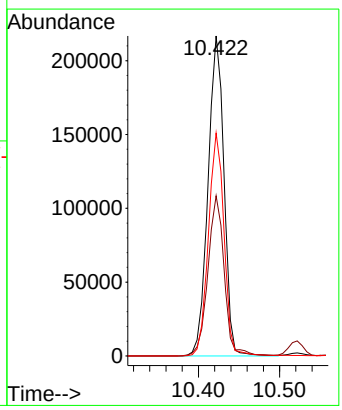


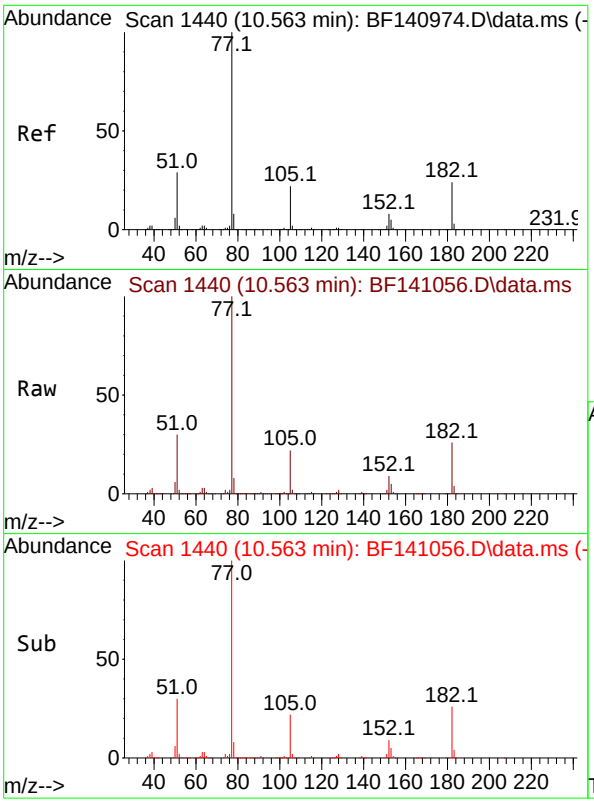


#62
4-Nitroaniline
Concen: 41.190 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:138 Resp: 296073

Ion	Ratio	Lower	Upper
138	100		
92	50.1	34.8	74.8
108	69.6	55.9	95.9



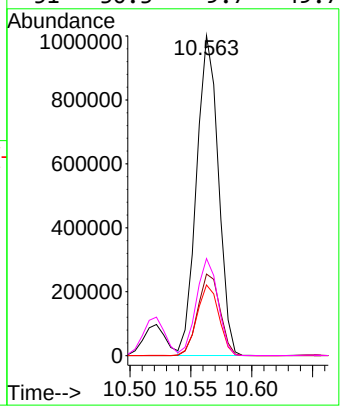


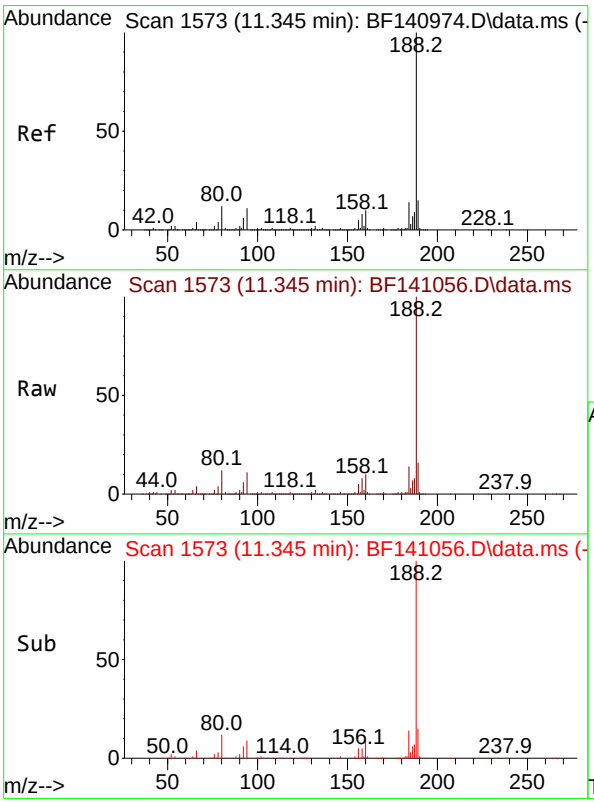
#63
Azobenzene
Concen: 36.490 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1242068

Ion	Ratio	Lower	Upper
77	100		
182	25.5	4.1	44.1
105	22.1	1.8	41.8
51	30.3	9.7	49.7

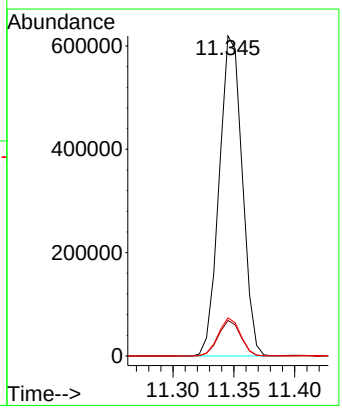


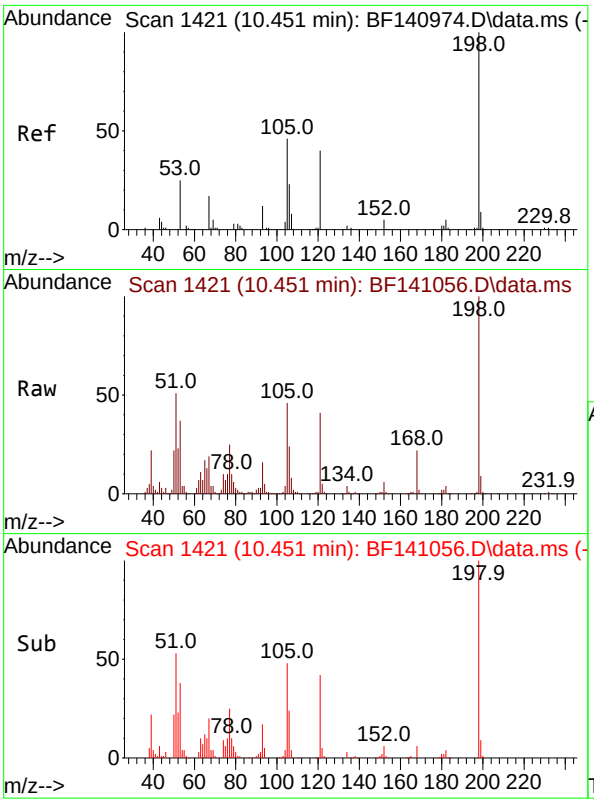


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:188 Resp: 814502

Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.0	13.6
80	11.9	9.8	14.6



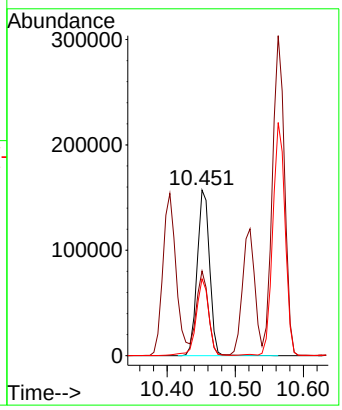


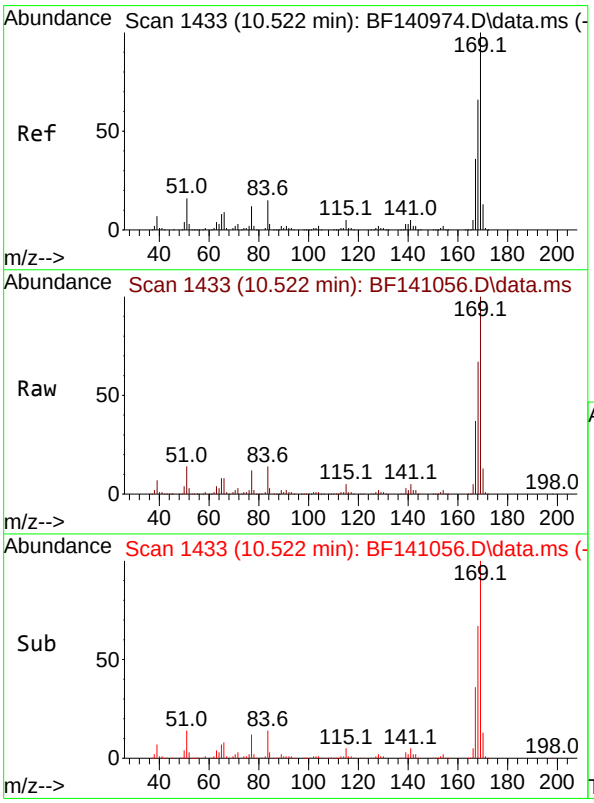
#65
4,6-Dinitro-2-methylphenol
Concen: 58.512 ng
RT: 10.451 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 198270

Ion	Ratio	Lower	Upper
198	100		
51	51.1	32.3	72.3
105	46.4	28.4	68.4

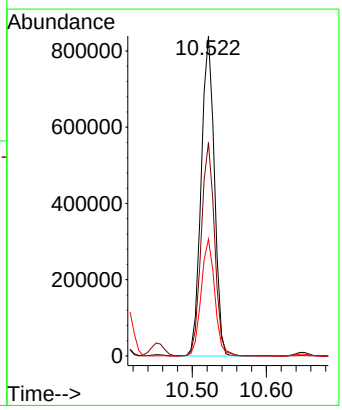


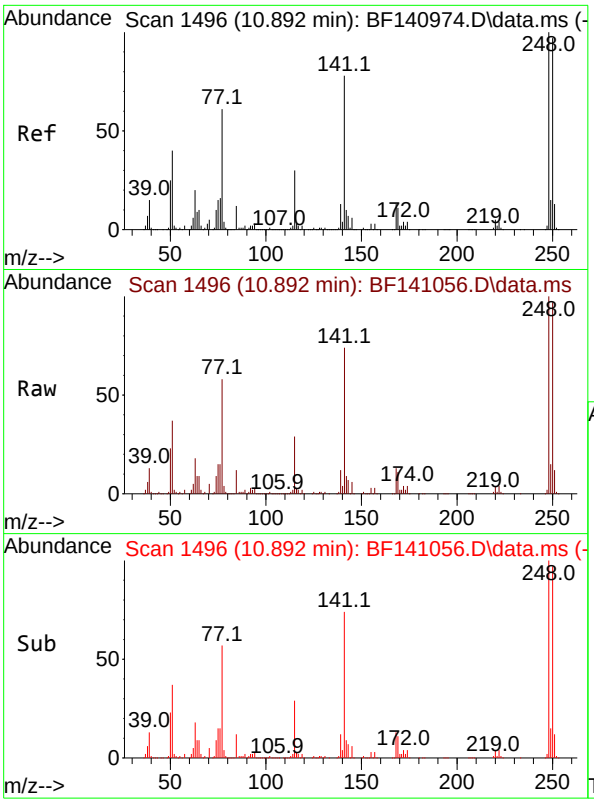


#66
n-Nitrosodiphenylamine
Concen: 40.455 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:169 Resp: 1037613

Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.6	79.0
167	36.5	29.0	43.4



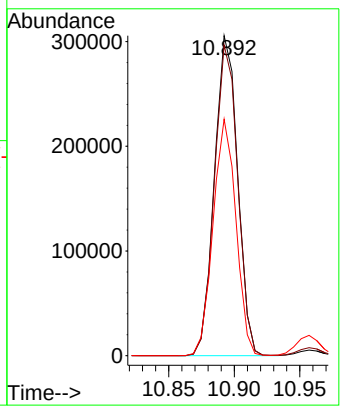


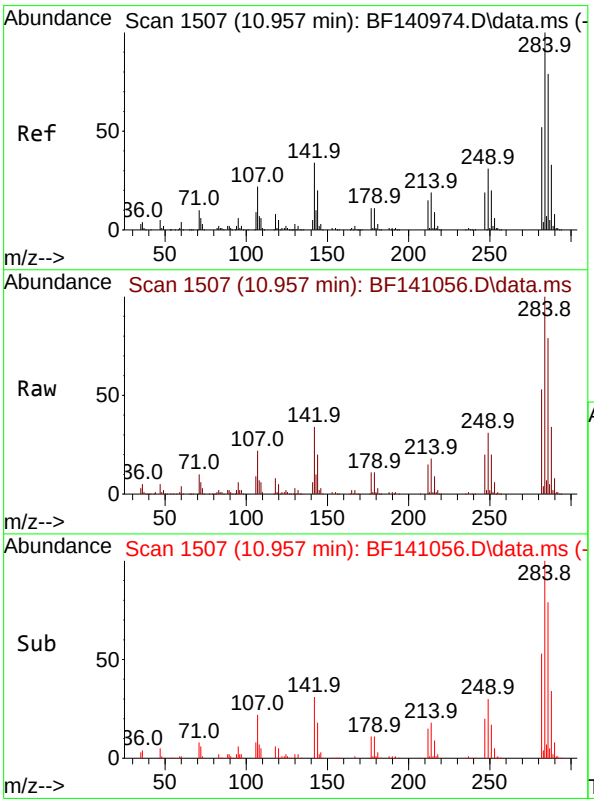
#67
4-Bromophenyl-phenylether
Concen: 42.756 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 376460

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.7	116.5
141	73.9	62.1	93.1

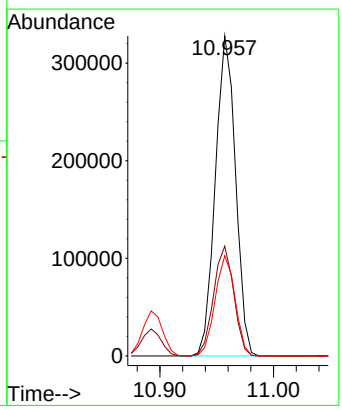


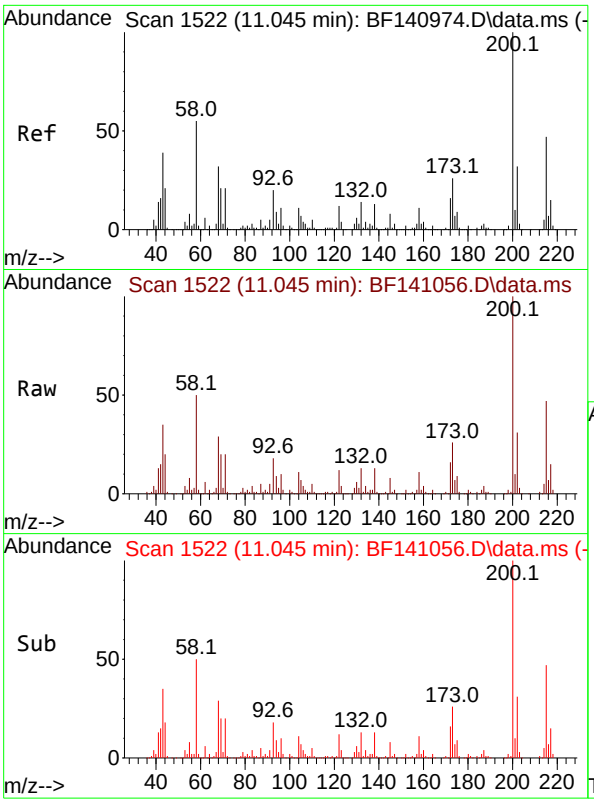


#68
Hexachlorobenzene
Concen: 41.736 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:284 Resp: 405210

Ion	Ratio	Lower	Upper
284	100		
142	34.3	27.1	40.7
249	31.4	25.1	37.7



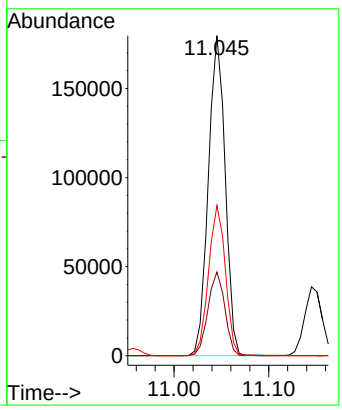


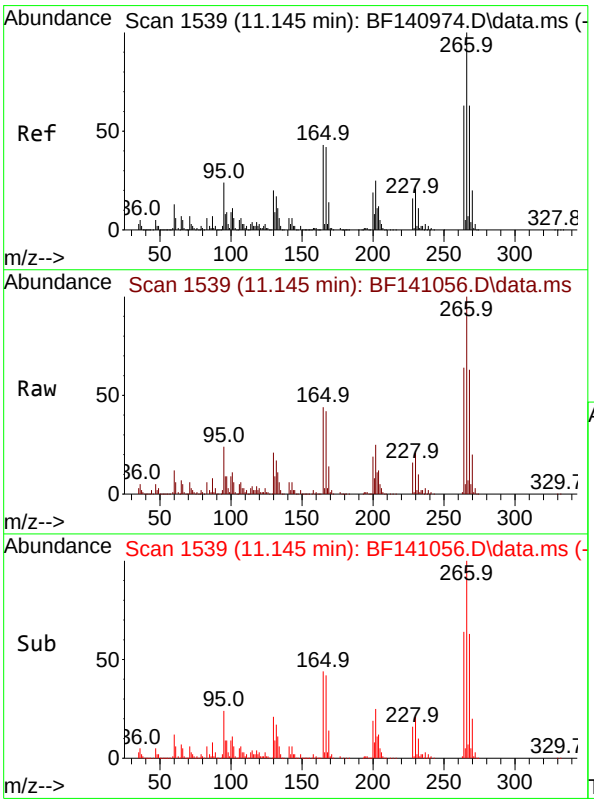
#69
Atrazine
Concen: 30.966 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 221886

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.4	46.4
215	46.9	27.2	67.2

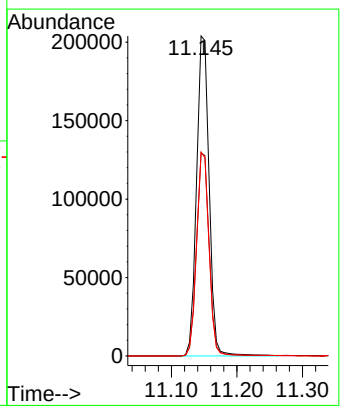


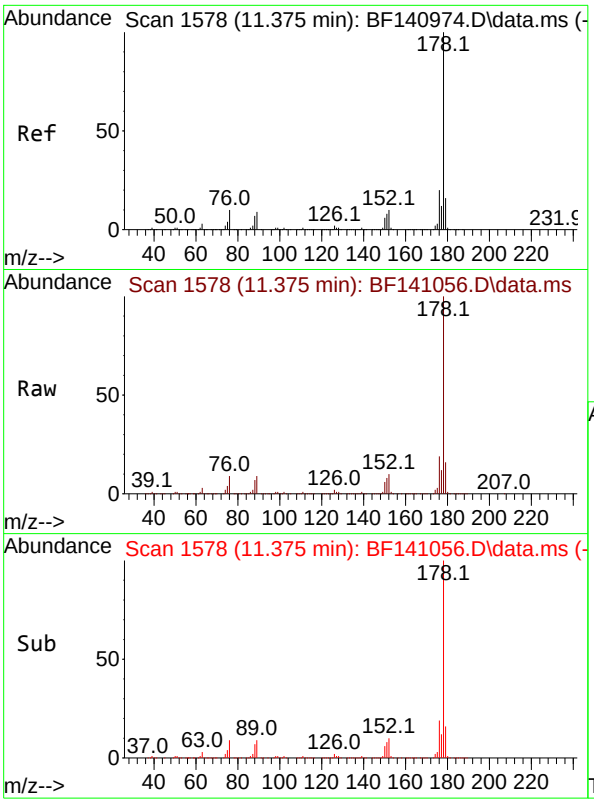


#70
Pentachlorophenol
Concen: 45.157 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:266 Resp: 272964

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.5	75.7
264	63.8	50.2	75.4



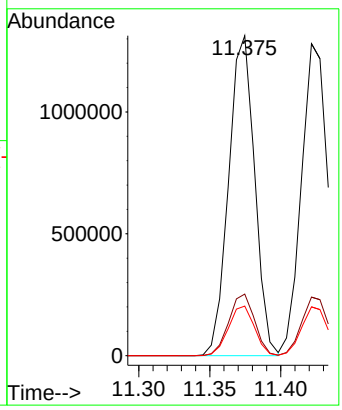


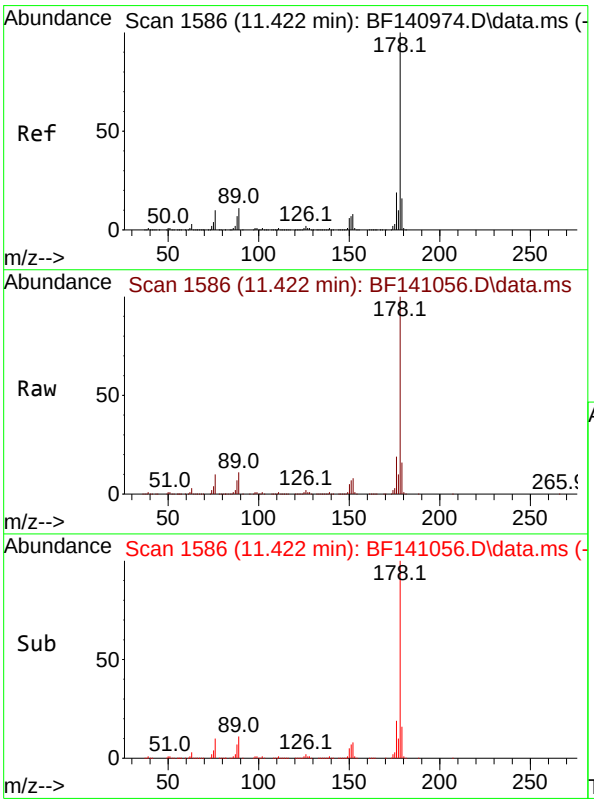
#71
Phenanthrene
Concen: 39.047 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 1673884

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.6
179	15.5	12.6	19.0

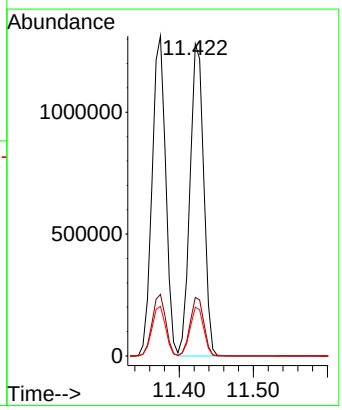


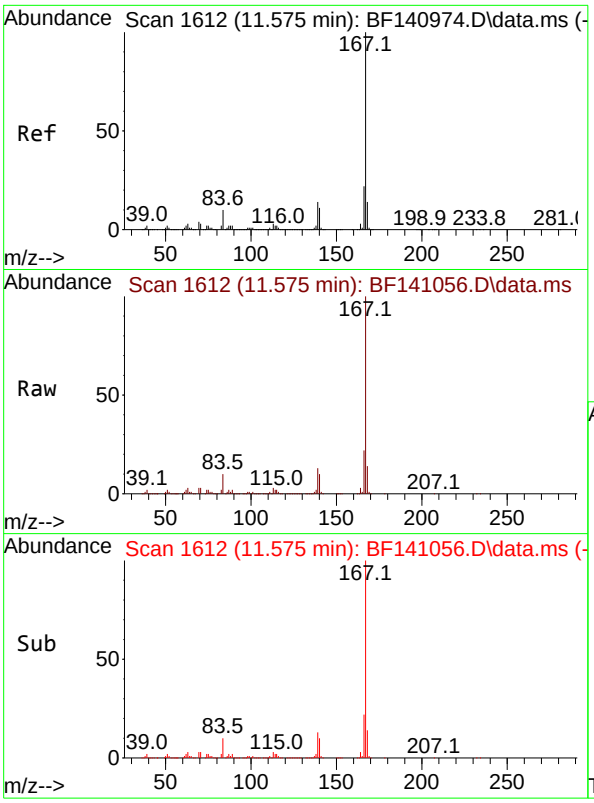


#72
Anthracene
Concen: 39.126 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:178 Resp: 1643512

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.7	12.9	19.3



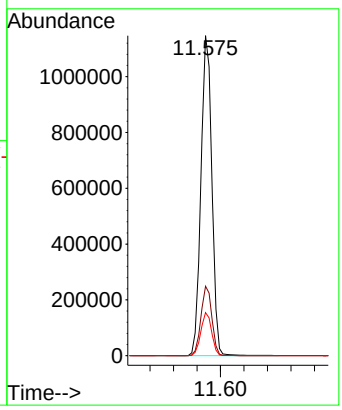


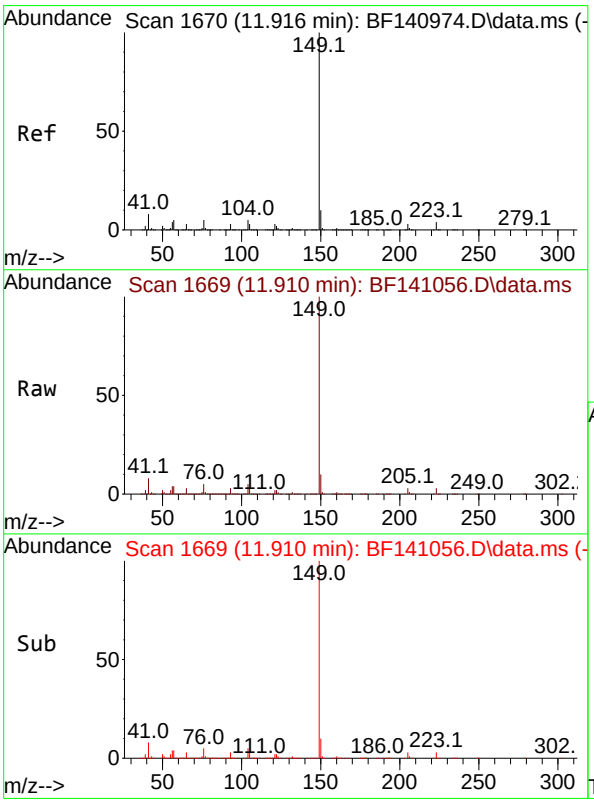
#73
Carbazole
Concen: 36.565 ng
RT: 11.575 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 1476517

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.5	26.3
139	13.5	11.0	16.4

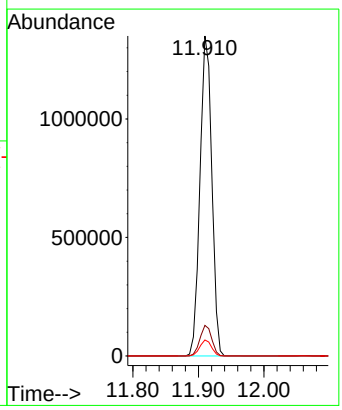


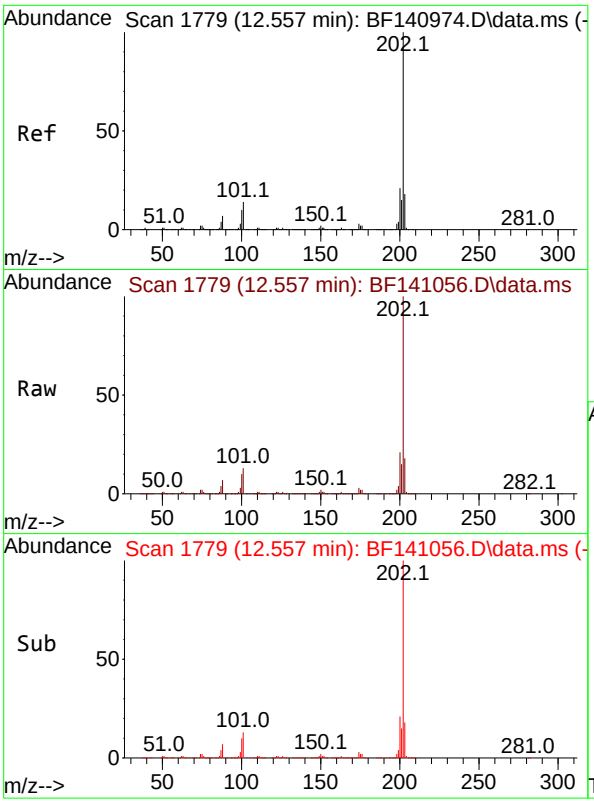


#74
Di-n-butylphthalate
Concen: 36.952 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:149 Resp: 1697159

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.7	11.5
104	5.0	4.1	6.1



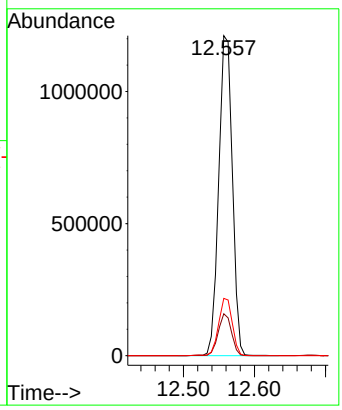


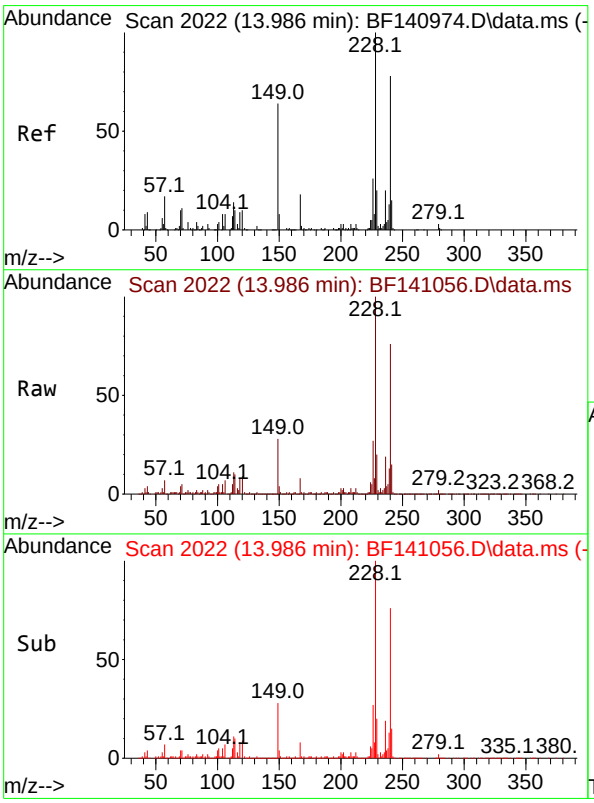
#75
Fluoranthene
Concen: 34.610 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 1609109

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.7
203	17.9	0.0	38.1

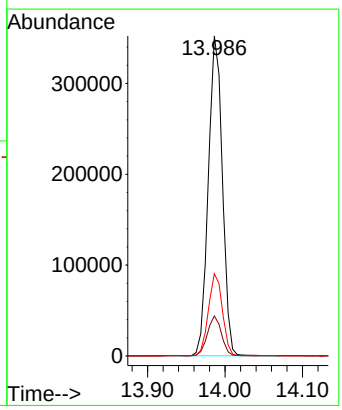


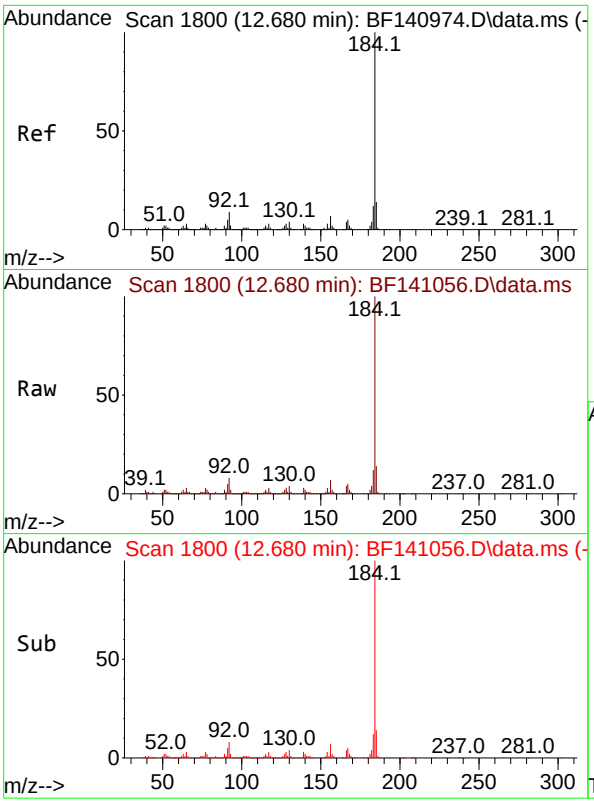


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:240 Resp: 443018

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.7	16.1
236	25.7	20.6	31.0



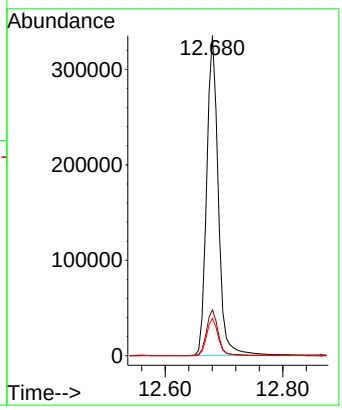


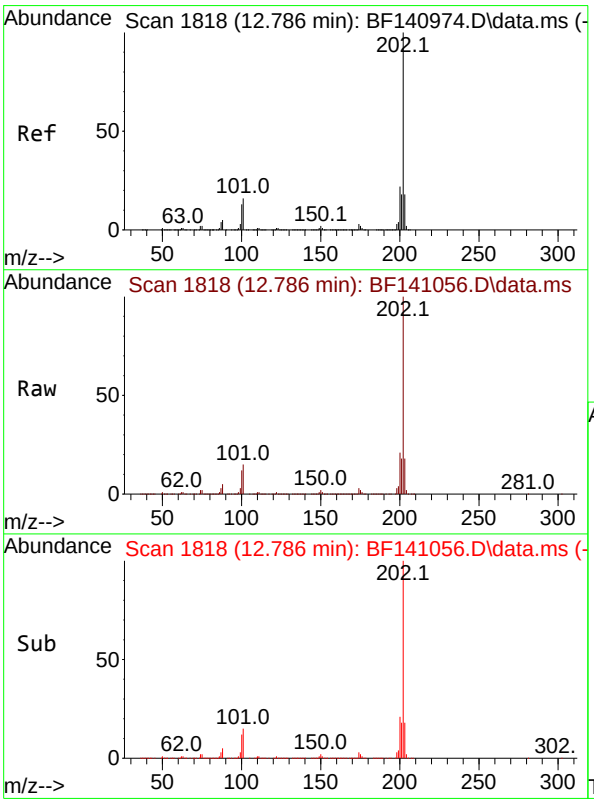
#77
Benzidine
Concen: 48.939 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 458201

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.2
183	11.7	9.4	14.0

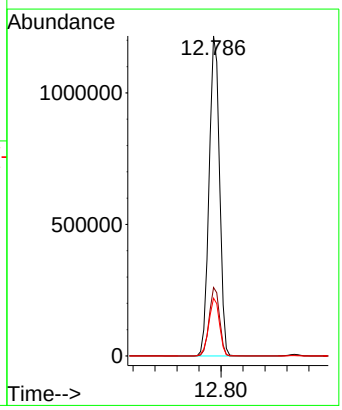


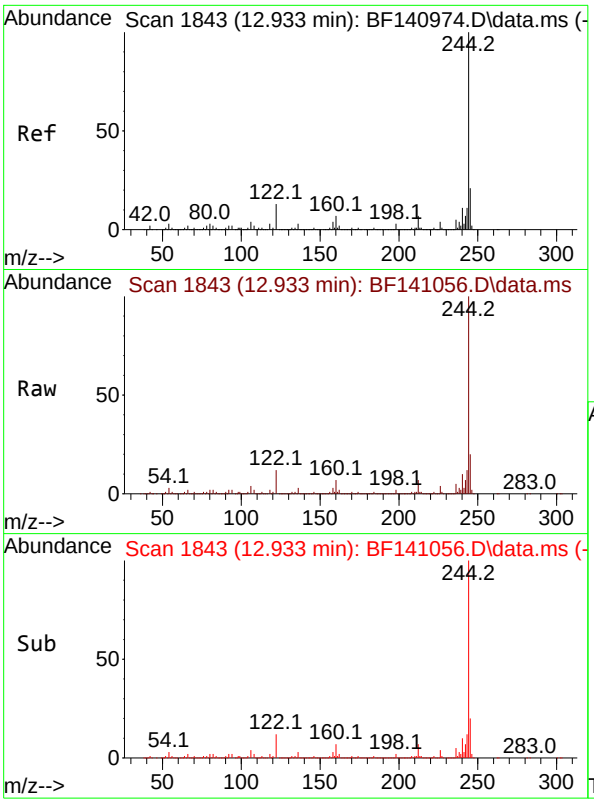


#78
Pyrene
Concen: 41.154 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:202 Resp: 1594512

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.3	25.9
203	18.1	14.6	21.8



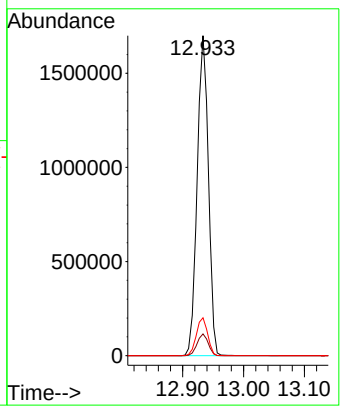


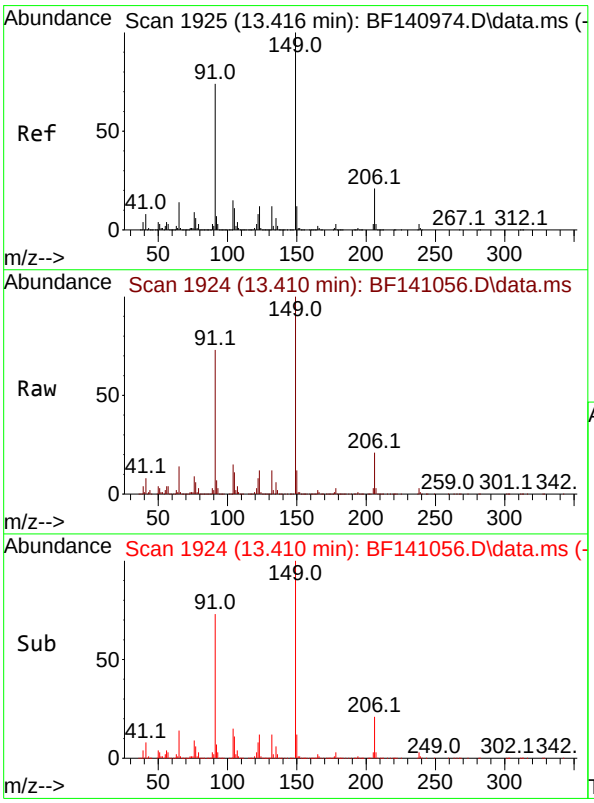
#79
Terphenyl-d14
Concen: 81.499 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 2173730

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.8	10.2	15.2

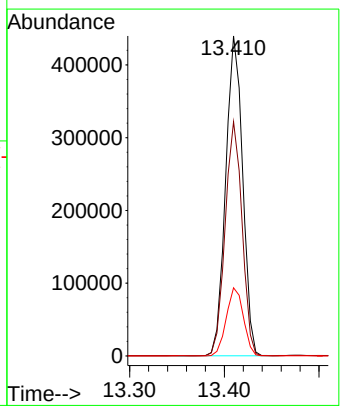


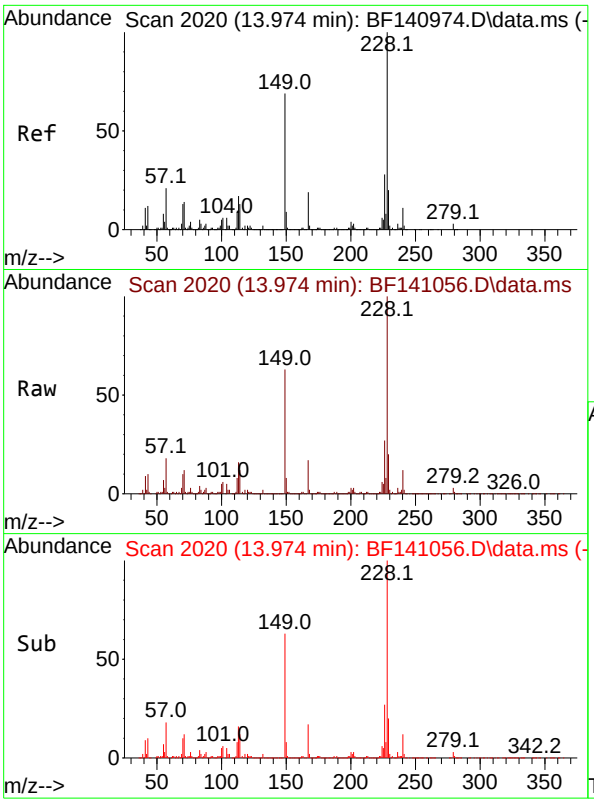


#80
Butylbenzylphthalate
Concen: 38.729 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:149 Resp: 547942

Ion	Ratio	Lower	Upper
149	100		
91	73.2	59.5	89.3
206	21.3	17.1	25.7



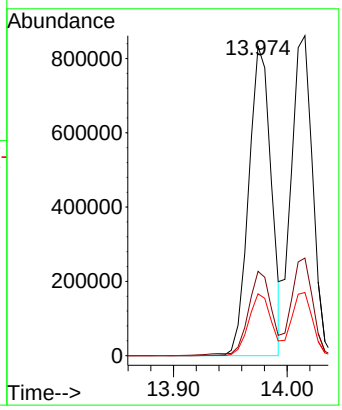


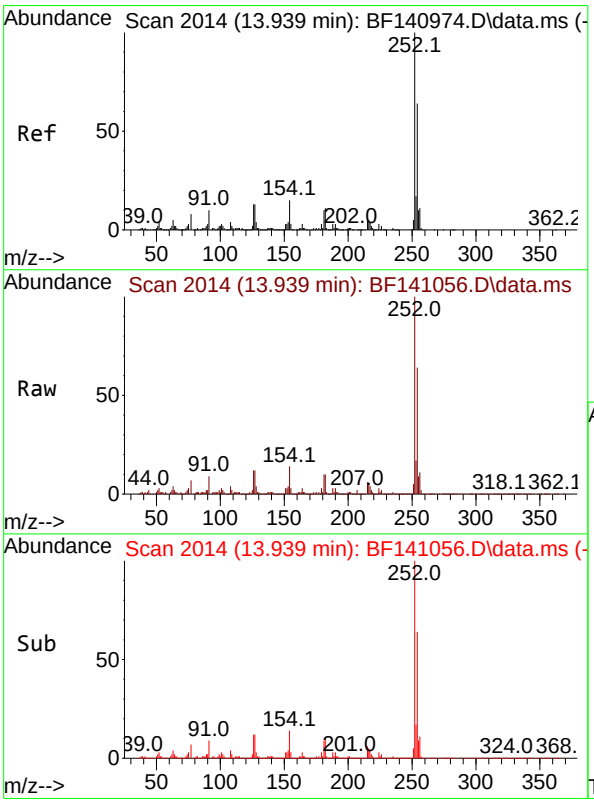
#81
Benzo(a)anthracene
Concen: 36.987 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 1141986

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	20.0	16.2	24.2

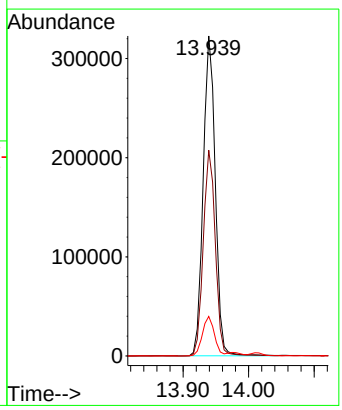


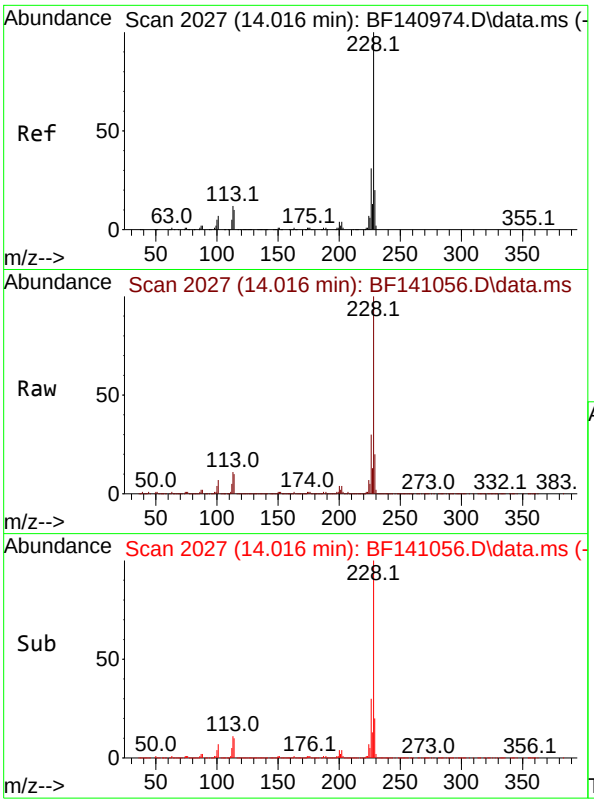


#82
3,3'-Dichlorobenzidine
Concen: 44.728 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:252 Resp: 414921

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.5	77.3
126	12.4	10.3	15.5



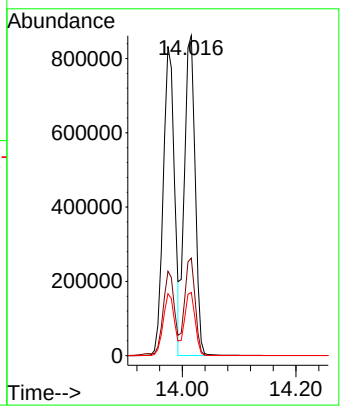


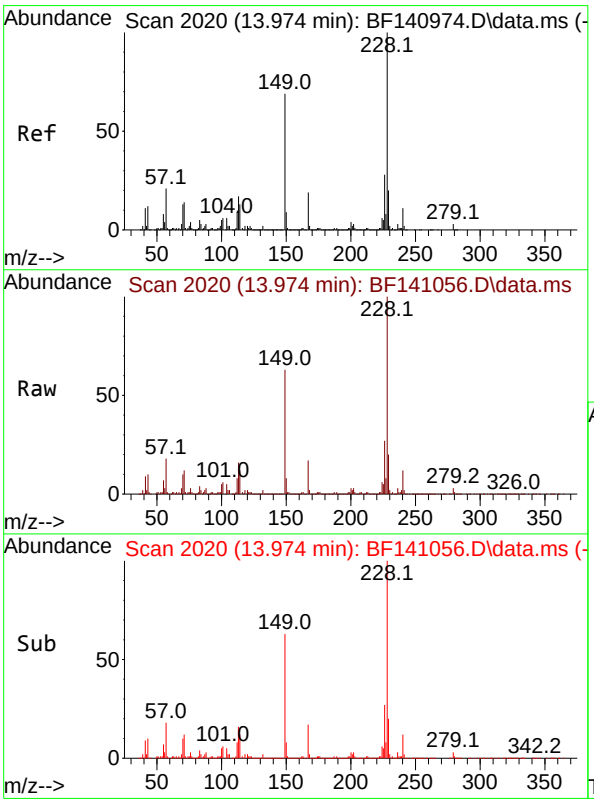
#83
Chrysene
Concen: 40.489 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 1126963

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.5	36.7
229	19.7	16.2	24.4

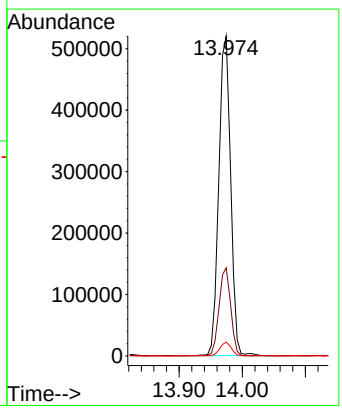


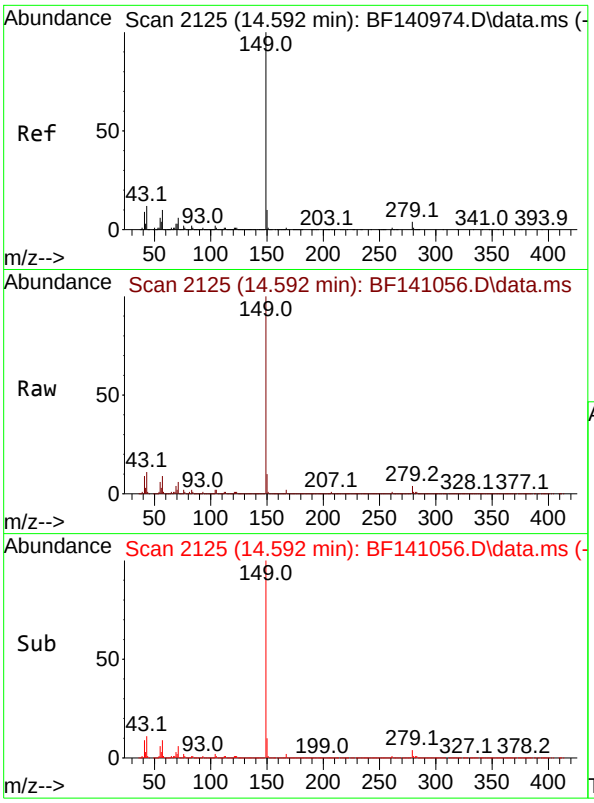


#84
Bis(2-ethylhexyl)phthalate
Concen: 36.806 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:149 Resp: 675459

Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.6	32.4
279	4.3	3.2	4.8



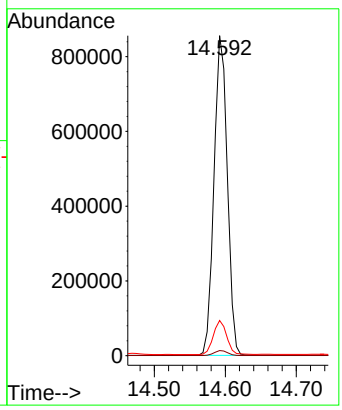


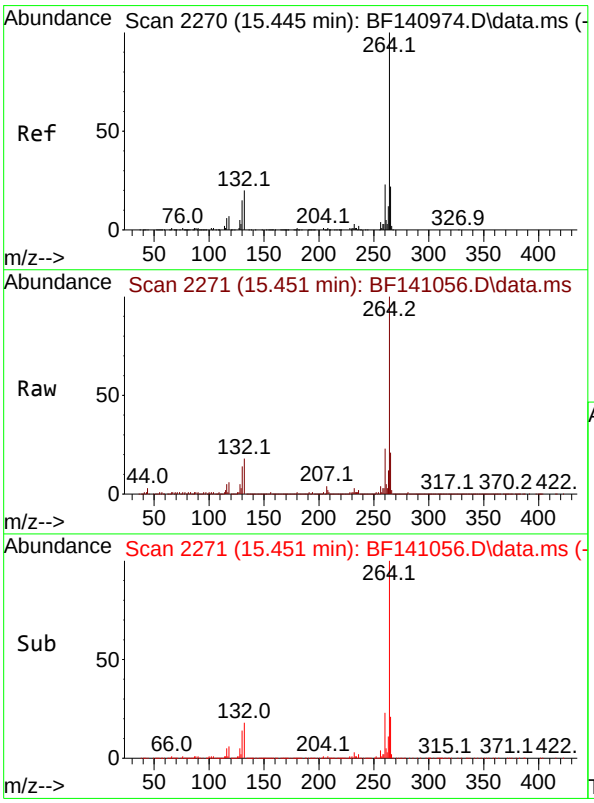
#85
Di-n-octyl phthalate
Concen: 41.777 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 1109654

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.8	9.3	13.9

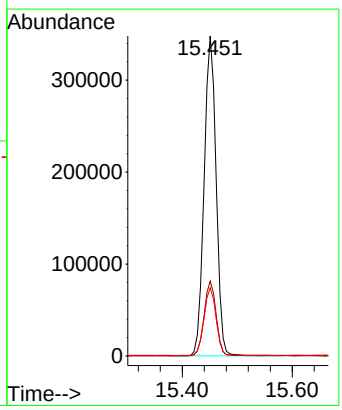


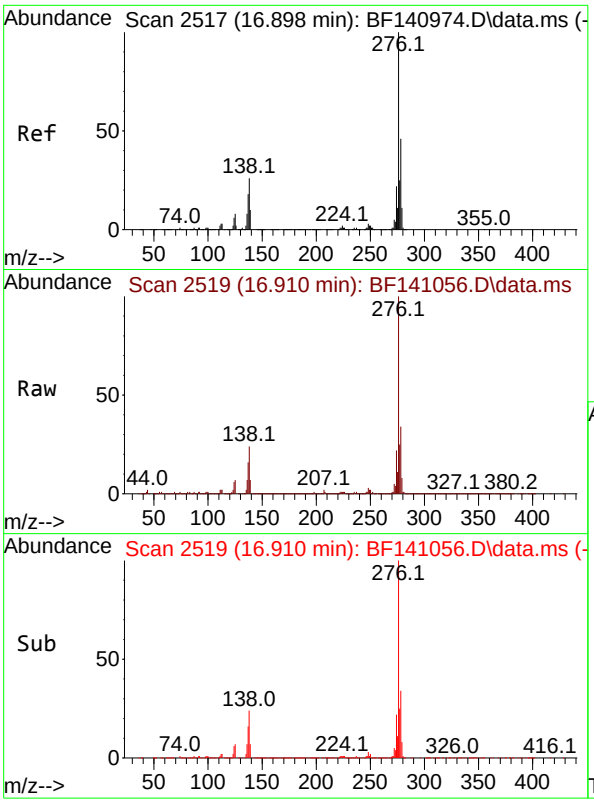


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:264 Resp: 526376

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.3	17.4	26.2



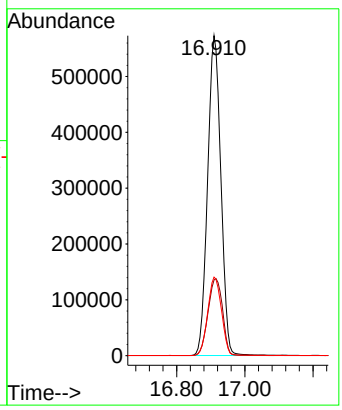


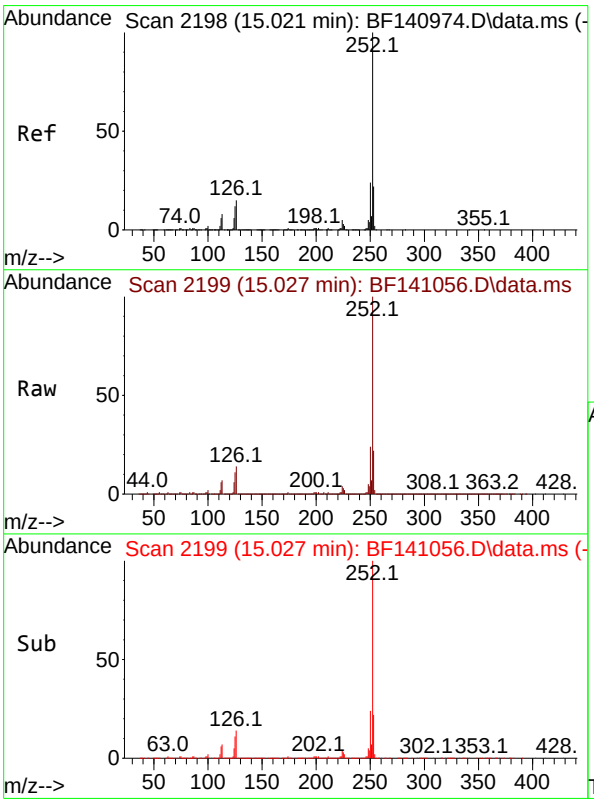
#87
Indeno(1,2,3-cd)pyrene
Concen: 46.672 ng
RT: 16.910 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 1547781

Ion	Ratio	Lower	Upper
276	100		
138	26.3	23.1	34.7
277	25.4	20.4	30.6

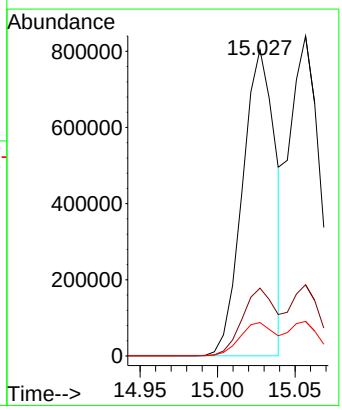


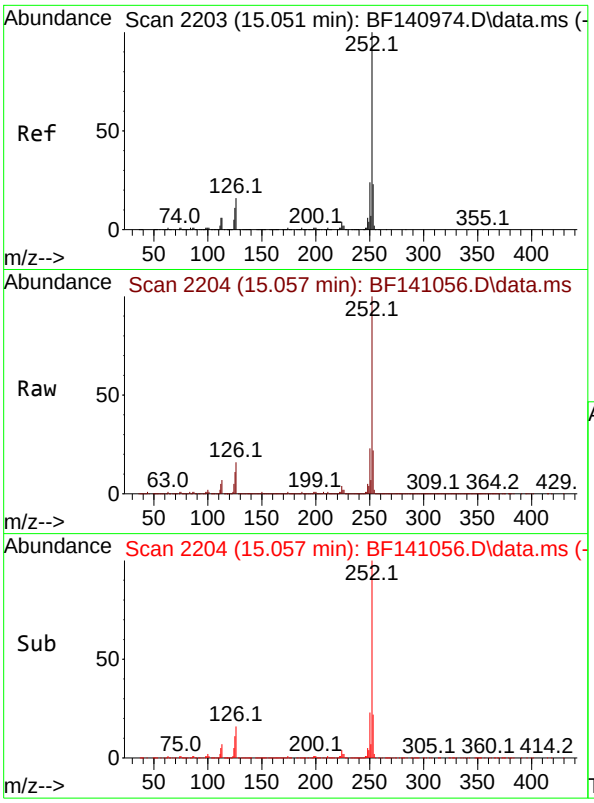


#88
Benzo(b)fluoranthene
Concen: 32.178 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:252 Resp: 1181314

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.9	9.3	13.9



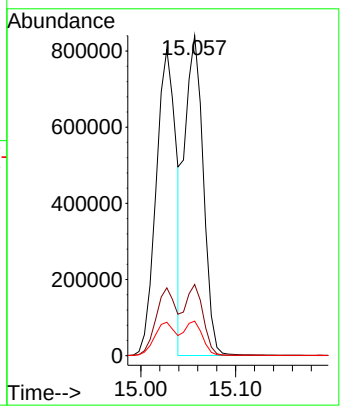


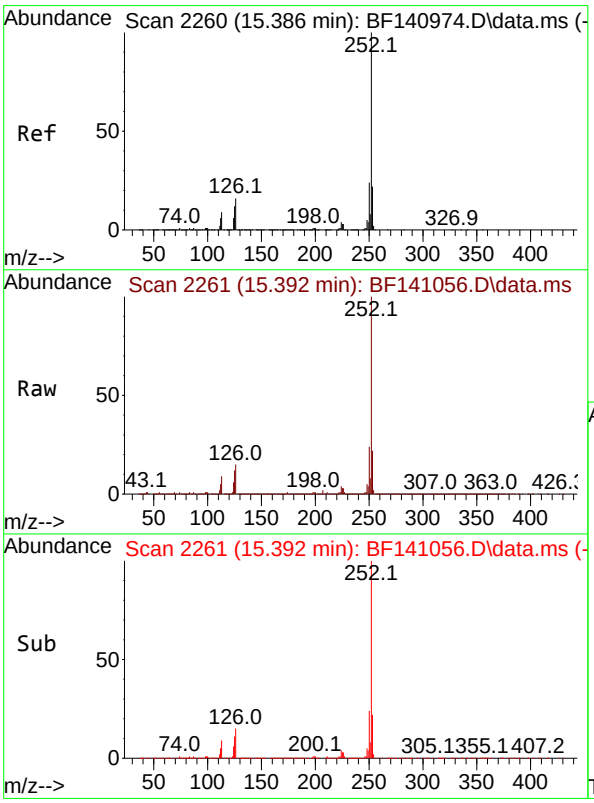
#89
Benzo(k)fluoranthene
Concen: 39.512 ng
RT: 15.057 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 1136896

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	10.8	9.4	14.0

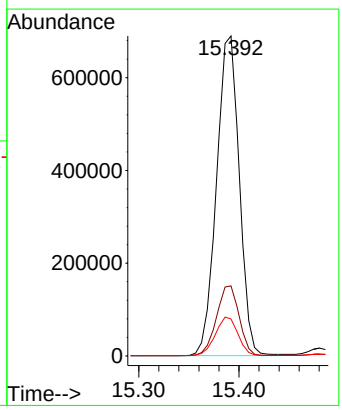


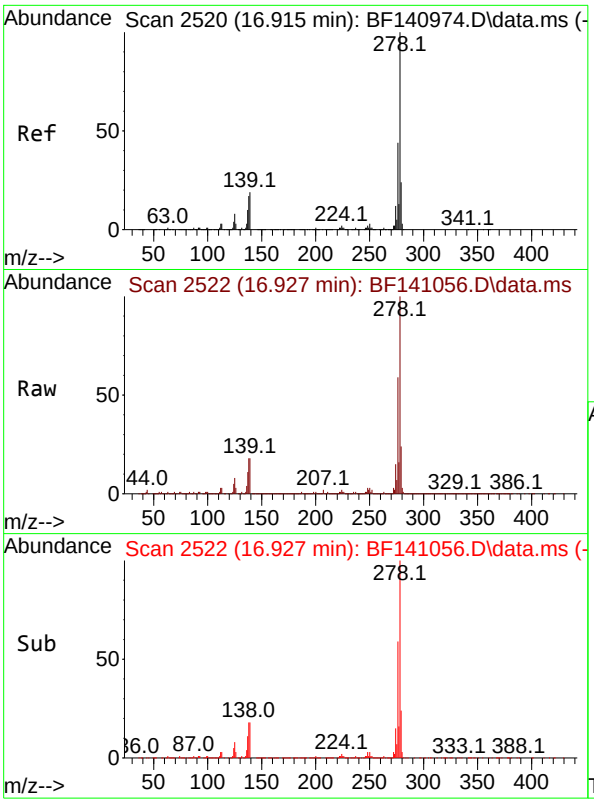


#90
Benzo(a)pyrene
Concen: 38.024 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:252 Resp: 1083487

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	11.5	9.8	14.8



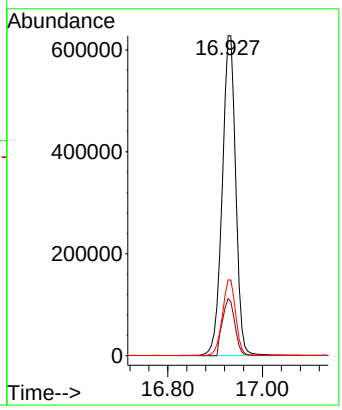


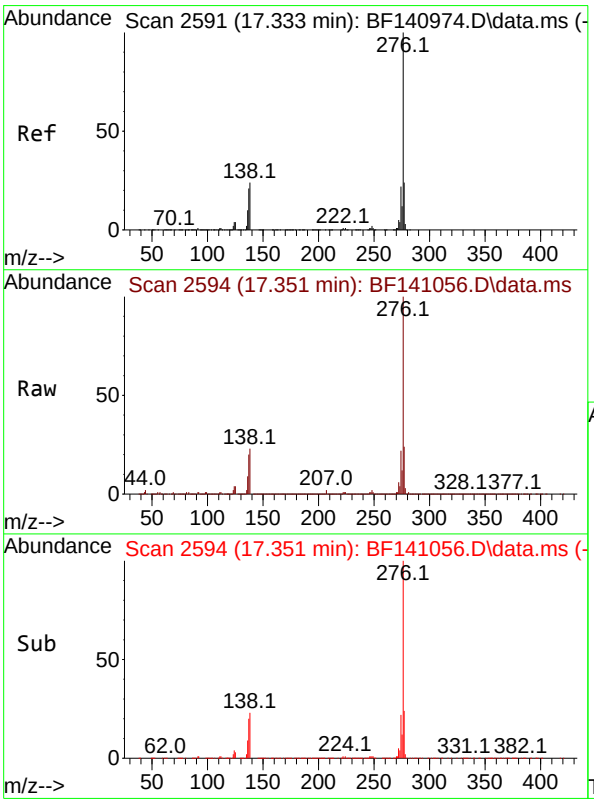
#91
Dibenzo(a,h)anthracene
Concen: 46.181 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 1241441

Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.9	22.3
279	23.7	19.0	28.6





#92
Benzo(g,h,i)perylene
Concen: 47.475 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.018 min
Lab File: BF141056.D
Acq: 31 Dec 2024 14:18

Tgt Ion:276 Resp: 1323696

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	22.8	19.4	29.2

